

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070819\
 Data File : VD063035.D
 Acq On : 8 Jul 2019 14:43
 Operator : VA/AP
 Sample : VD0708SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS02

Quant Time: Jul 09 05:09:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	935909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1271997	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1052460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	520955	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	558452	54.89	ug/l	-0.01
Spiked Amount			Recovery	=	109.78%	
35) Dibromofluoromethane	6.93	113	608401	56.73	ug/l	0.00
Spiked Amount			Recovery	=	113.46%	
50) Toluene-d8	10.41	98	1270594	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	
62) 4-Bromofluorobenzene	13.55	95	581199	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	249352	20.589	ug/l	99
3) Chloromethane	1.75	50	193675	21.264	ug/l #	84
4) Vinyl Chloride	1.85	62	193129	21.386	ug/l	99
5) Bromomethane	2.15	94	76928	18.190	ug/l	93
6) Chloroethane	2.26	64	87313	21.355	ug/l #	84
7) Trichlorofluoromethane	2.53	101	389216	21.296	ug/l	99
8) Diethyl Ether	2.88	74	53178	22.900	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	224974	22.722	ug/l	97
10) Methyl Iodide	3.30	142	268137	20.527	ug/l	99
11) Tert butyl alcohol	4.08	59	52153	112.560	ug/l #	87
12) 1,1-Dichloroethene	3.13	96	163525	22.016	ug/l	94
13) Acrolein	3.04	56	26172	55.331	ug/l	92
14) Allyl chloride	3.62	41	244494	22.277	ug/l	98
15) Acrylonitrile	4.20	53	129252	118.720	ug/l #	86
16) Acetone	3.23	43	205936	95.499	ug/l	93
17) Carbon Disulfide	3.37	76	468409	19.732	ug/l	96
18) Methyl Acetate	3.64	43	93689	30.507	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	361591	22.488	ug/l #	91
20) Methylene Chloride	3.82	84	174528	22.495	ug/l	90
21) trans-1,2-Dichloroethene	4.21	96	172390	21.797	ug/l	91
22) Diisopropyl ether	5.13	45	513437	23.004	ug/l	98
23) Vinyl Acetate	5.06	43	1464541	104.861	ug/l	98
24) 1,1-Dichloroethane	4.99	63	315640	21.720	ug/l	97
25) 2-Butanone	6.07	43	216984	114.040	ug/l	93
26) 2,2-Dichloropropane	6.03	77	342399	22.229	ug/l	94
27) cis-1,2-Dichloroethene	6.04	96	193040	23.081	ug/l	93
28) Bromochloromethane	6.44	49	124243	24.275	ug/l	93
29) Tetrahydrofuran	6.46	42	102701	114.082	ug/l	96
30) Chloroform	6.67	83	393602	22.271	ug/l	96
31) Cyclohexane	6.96	56	220102	23.039	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	379786	20.632	ug/l	93
36) 1,1-Dichloropropene	7.14	75	251162	20.858	ug/l	90
37) Ethyl Acetate	6.19	43	115844	22.292	ug/l #	94
38) Carbon Tetrachloride	7.11	117	396721	21.907	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	231523	21.844	ug/l	93
40) Benzene	7.46	78	543620	22.491	ug/l	93
41) Methacrylonitrile	6.44	41	137748	21.692	ug/l #	93
42) 1,2-Dichloroethane	7.58	62	280434	21.268	ug/l	100
43) Isopropyl Acetate	9.24	43	137687	21.811	ug/l #	95
44) Trichloroethene	8.54	130	213643	22.546	ug/l	95
45) 1,2-Dichloropropane	8.94	63	134420	22.366	ug/l #	87
46) Dibromomethane	9.06	93	111748	21.645	ug/l	98
47) Bromodichloromethane	9.38	83	290197	21.643	ug/l	99
48) Methyl methacrylate	9.12	41	101291	22.579	ug/l	96
49) 1,4-Dioxane	9.08	88	15774	422.639	ug/l #	88
51) 4-Methyl-2-Pentanone	10.30	43	485405	108.452	ug/l	100
52) Toluene	10.51	92	364089	22.409	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	231370	21.082	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	255747	21.440	ug/l	90
55) 1,1,2-Trichloroethane	11.19	97	124602	22.322	ug/l	95
56) Ethyl methacrylate	11.04	69	125893	21.104	ug/l	96
57) 1,3-Dichloropropane	11.41	76	184063	21.536	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	351723	114.846	ug/l	96
59) 2-Hexanone	11.53	43	368356	115.560	ug/l	99
60) Dibromochloromethane	11.68	129	231843	22.298	ug/l	98
61) 1,2-Dibromoethane	11.81	107	144849	21.971	ug/l	87
64) Tetrachloroethene	11.26	164	188909	21.809	ug/l	95
65) Chlorobenzene	12.40	112	433576	22.198	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	205984	22.550	ug/l	91
67) Ethyl Benzene	12.52	91	791681	22.575	ug/l	98
68) m/p-Xylenes	12.67	106	539267	44.151	ug/l	98
69) o-Xylene	13.05	106	254087	22.757	ug/l	96
70) Styrene	13.07	104	459226	23.416	ug/l	94
71) Bromoform	13.24	173	134604	21.508	ug/l #	98
73) Isopropylbenzene	13.40	105	834088	24.971	ug/l	97
74) N-amyl acetate	13.27	43	207507	25.581	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	145516	26.737	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	158555	26.364	ug/l	99
77) Bromobenzene	13.67	156	222231	24.735	ug/l	93
78) n-propylbenzene	13.77	91	892591	22.959	ug/l	92
79) 2-Chlorotoluene	13.84	91	500992	22.549	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	693464	24.716	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	33929	21.526	ug/l	93
82) 4-Chlorotoluene	13.95	91	663016	24.787	ug/l	98
83) tert-Butylbenzene	14.19	119	788945	25.227	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	661687	23.009	ug/l	95
85) sec-Butylbenzene	14.37	105	831807	24.472	ug/l	94
86) p-Isopropyltoluene	14.49	119	782234	25.156	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	390314	24.235	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	360765	22.303	ug/l	97
89) n-Butylbenzene	14.79	91	673700	23.148	ug/l	99
90) Hexachloroethane	15.01	117	205902	24.627	ug/l	100
91) 1,2-Dichlorobenzene	14.80	146	345104	25.045	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	27763	26.136	ug/l #	37

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

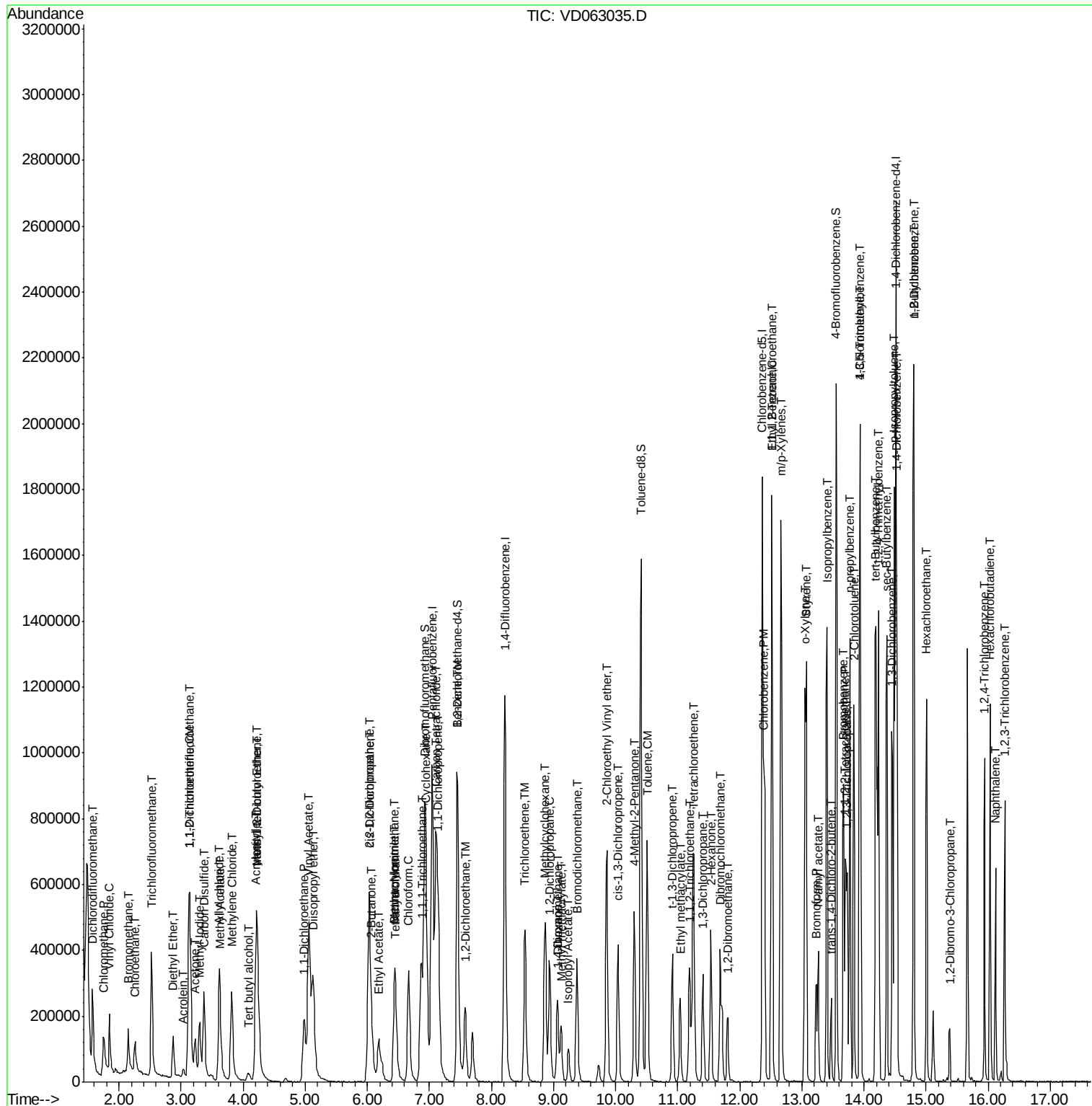
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	248952	23.129	ug/l	99
94) Hexachlorobutadiene	16.03	225	178479	21.705	ug/l	97
95) Naphthalene	16.12	128	358295	23.749	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	207208	25.055	ug/l	99

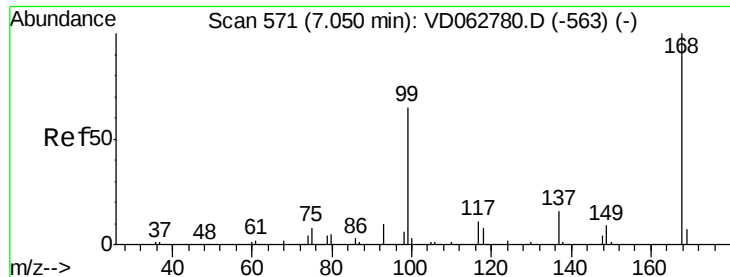
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

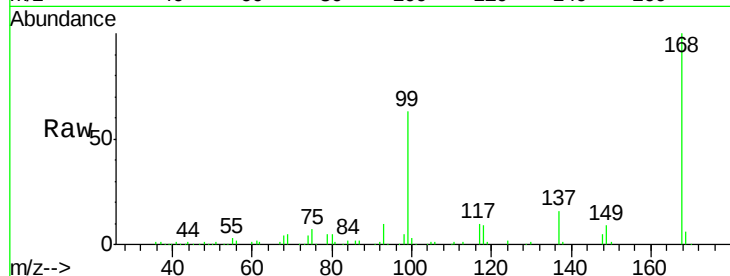
VD0708SBSD02

Tot Ion:168 Resp: 935909

Ion Ratio Lower Upper

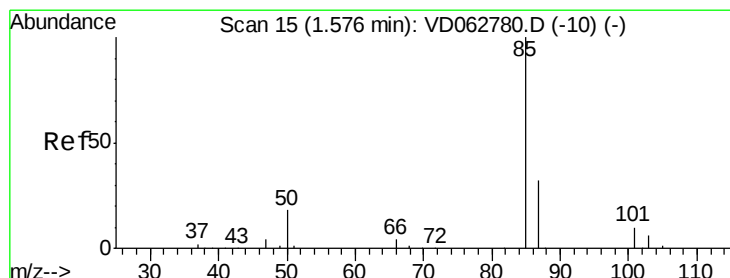
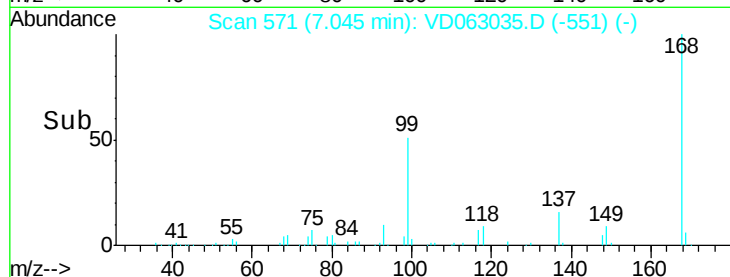
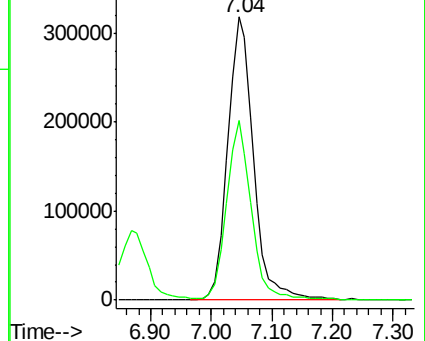
168 100

99 63.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.589 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063035.D

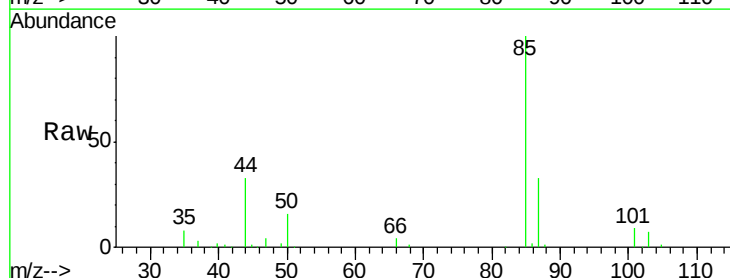
Acq: 8 Jul 2019 14:43

Tgt Ion: 85 Resp: 249352

Ion Ratio Lower Upper

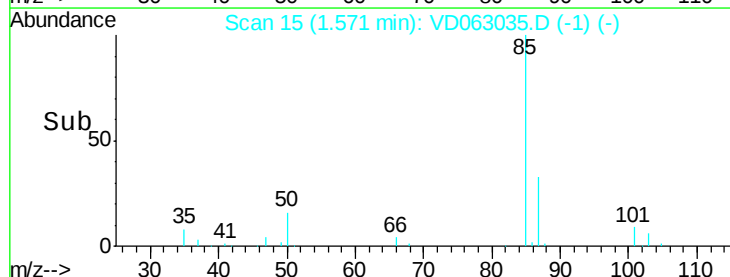
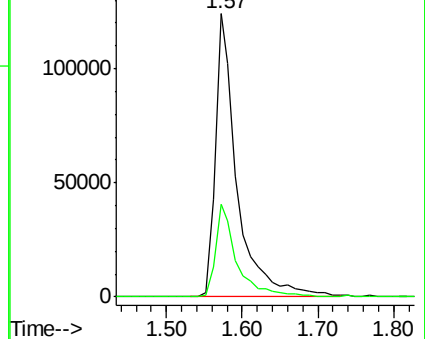
85 100

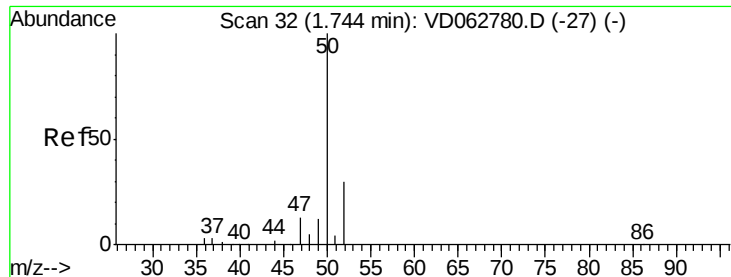
87 32.5 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.264 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

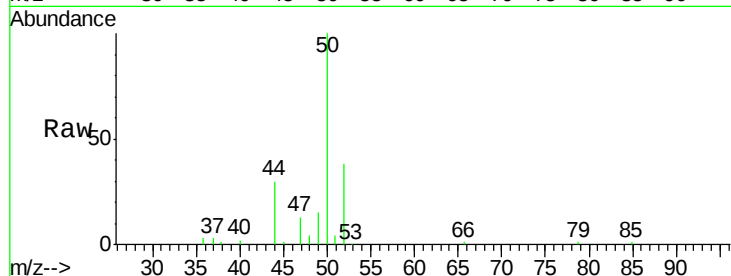
VD0708SBS02

Tot Ion: 50 Resp: 193675

Ion Ratio Lower Upper

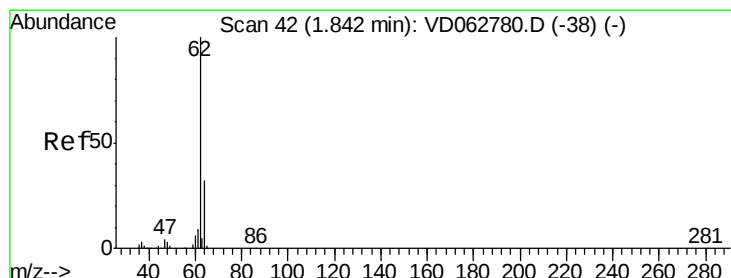
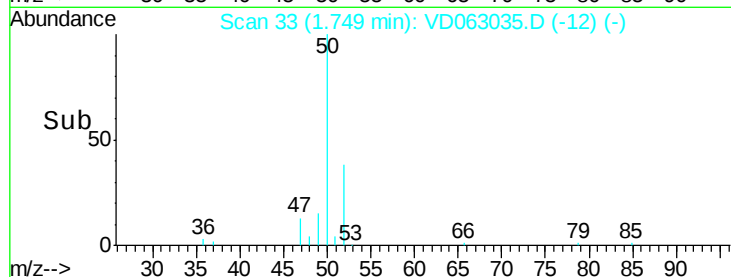
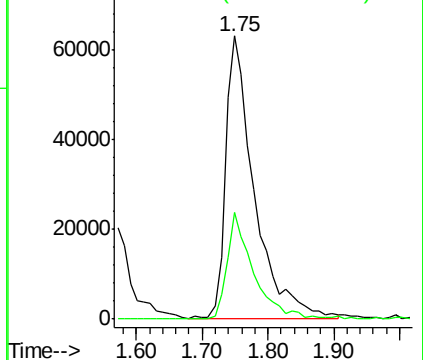
50 100

52 37.9 23.6 35.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.386 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063035.D

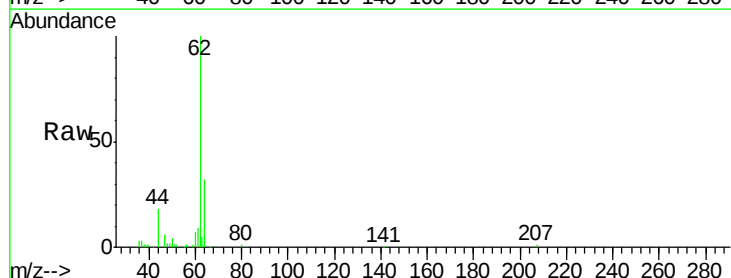
Acq: 8 Jul 2019 14:43

Tgt Ion: 62 Resp: 193129

Ion Ratio Lower Upper

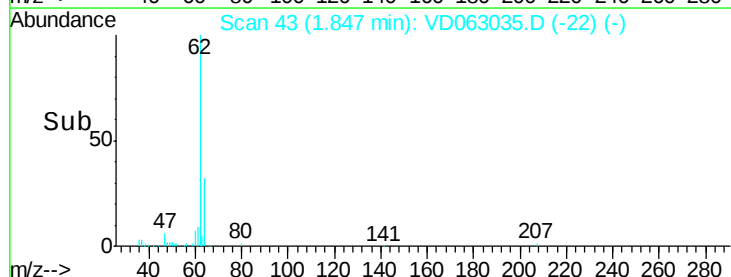
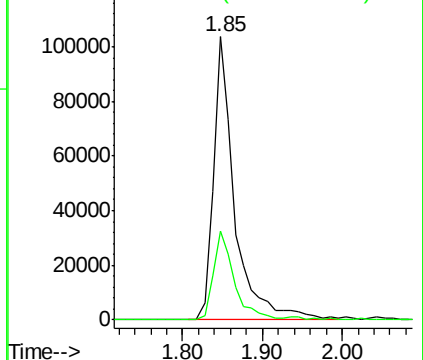
62 100

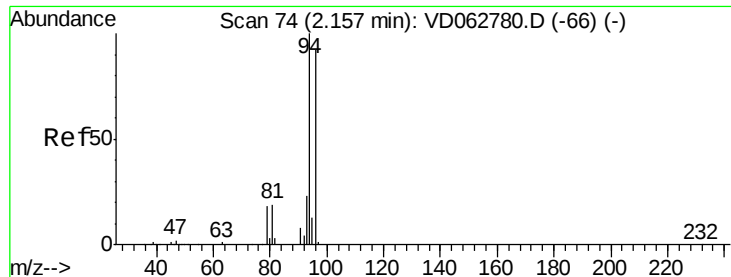
64 31.5 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.190 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

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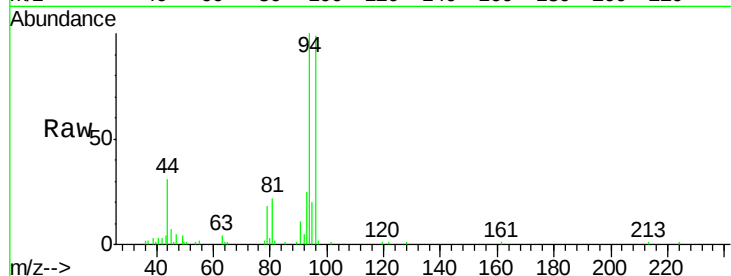
Tot Ion: 94 Resp: 76928

Ion Ratio Lower Upper

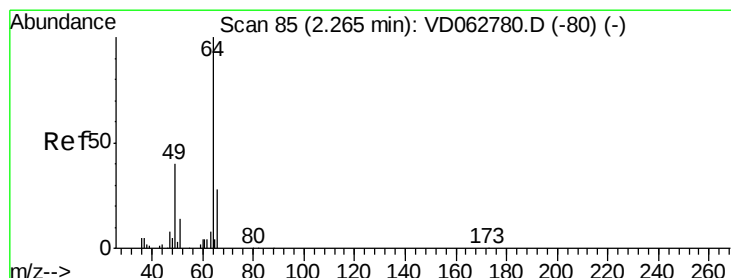
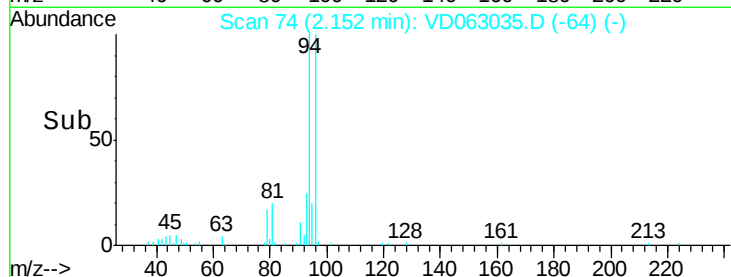
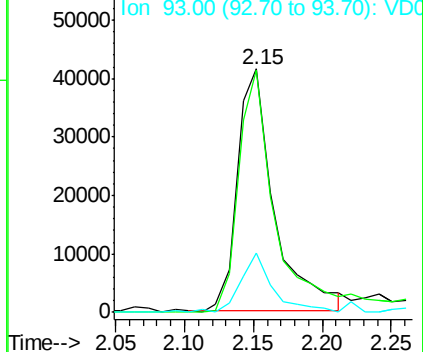
94 100

96 99.4 73.4 110.2

93 24.6 18.2 27.4



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 21.355 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063035.D

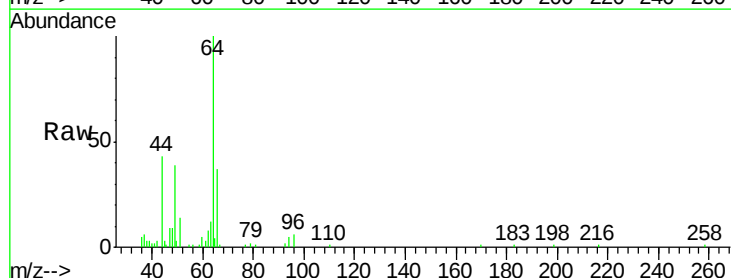
Acq: 8 Jul 2019 14:43

Tgt Ion: 64 Resp: 87313

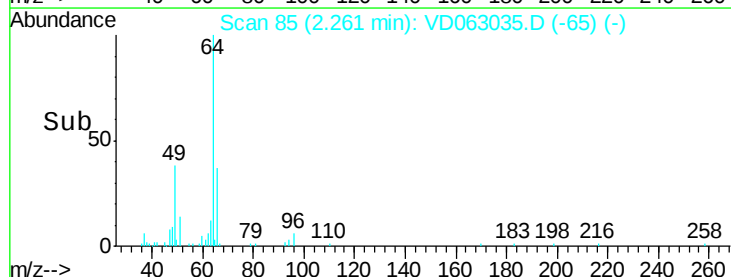
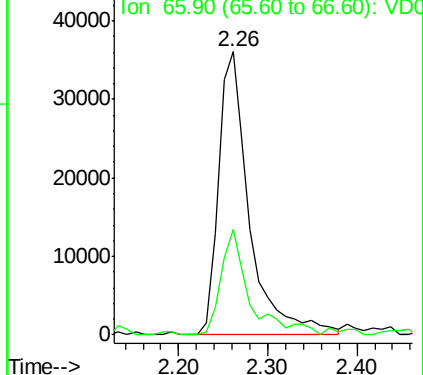
Ion Ratio Lower Upper

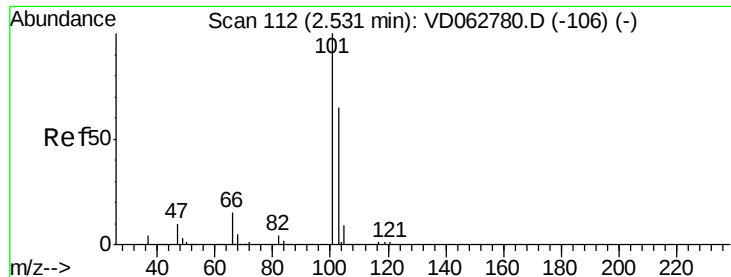
64 100

66 37.1 23.0 34.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



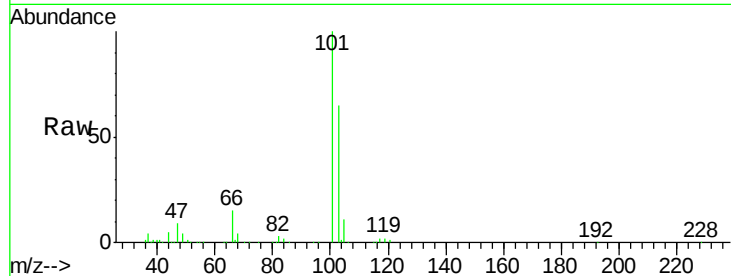


#7

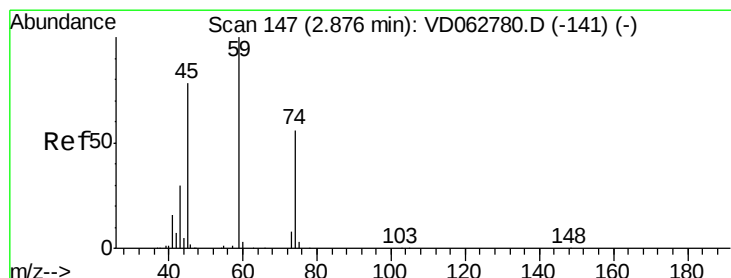
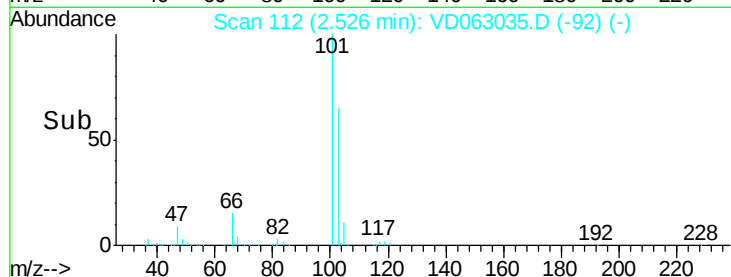
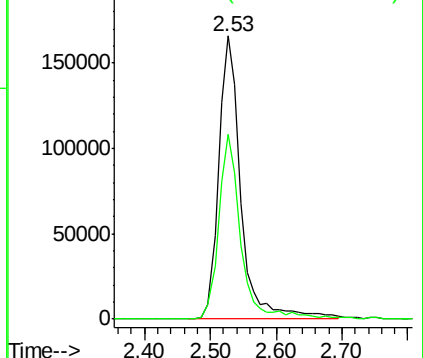
Trichlorofluoromethane
 Concen: 21.296 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

Instrument :
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Tot Ion:101 Resp: 389216
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.8 77.8



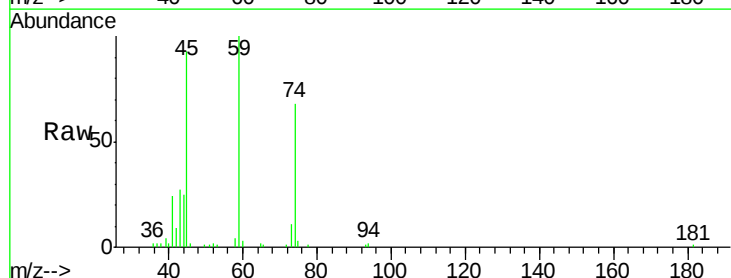
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



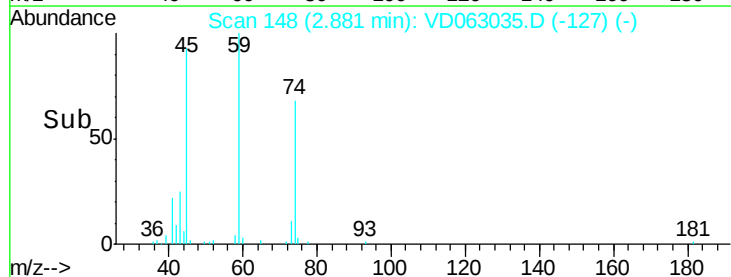
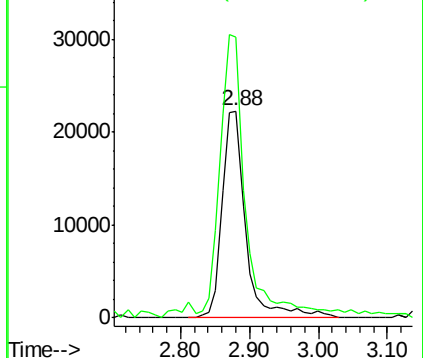
#8

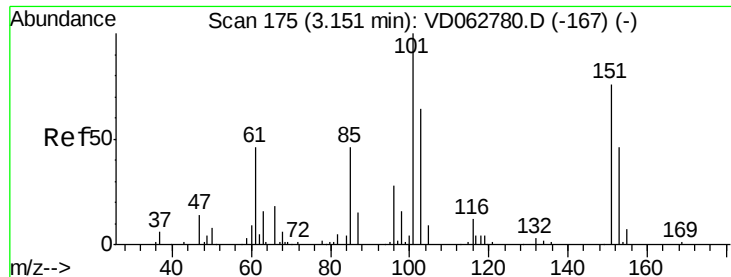
Diethyl Ether
 Concen: 22.900 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

Tgt Ion: 74 Resp: 53178
 Ion Ratio Lower Upper
 74 100
 45 135.7 70.2 210.6



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.722 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBSD02

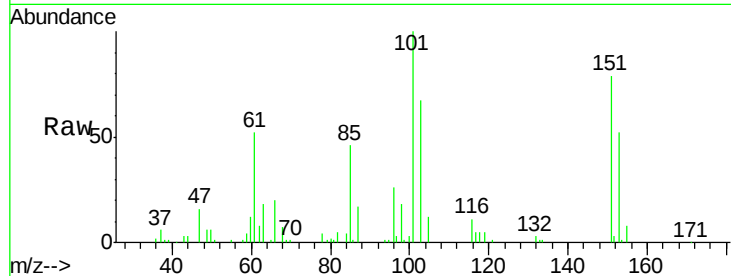
Tot Ion:101 Resp: 224974

Ion Ratio Lower Upper

101 100

85 45.8 37.0 55.4

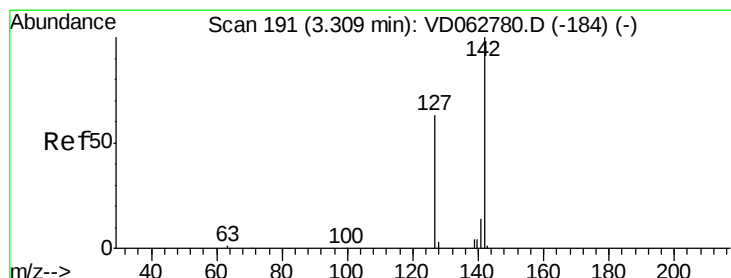
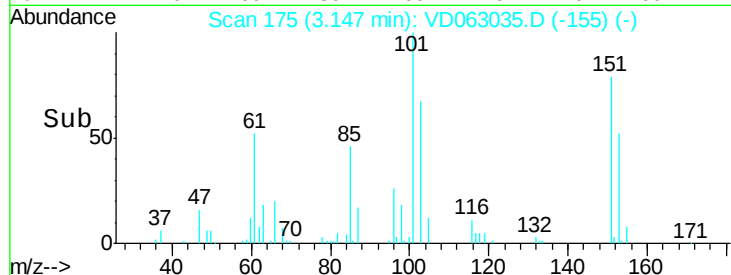
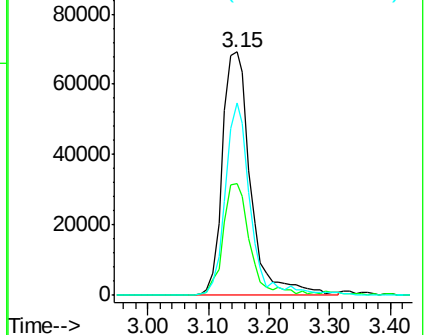
151 78.9 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.527 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

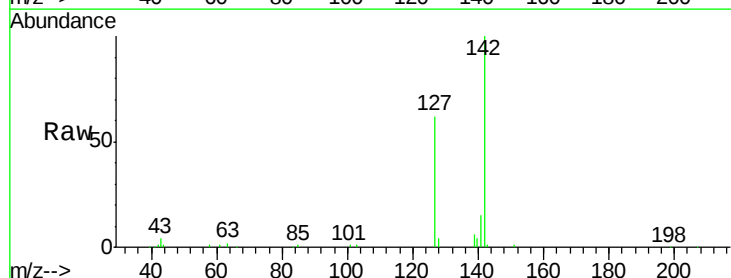
Tgt Ion:142 Resp: 268137

Ion Ratio Lower Upper

142 100

127 62.3 50.1 75.1

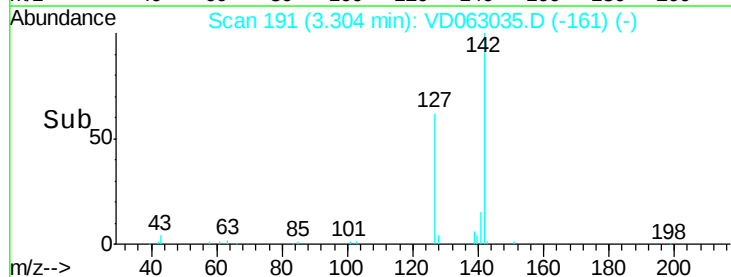
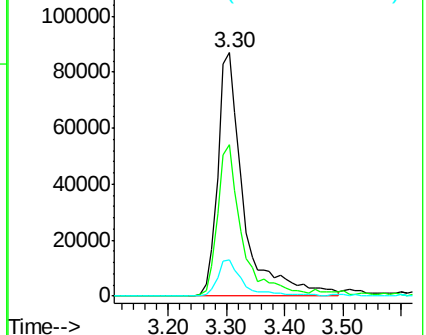
141 14.7 11.0 16.4

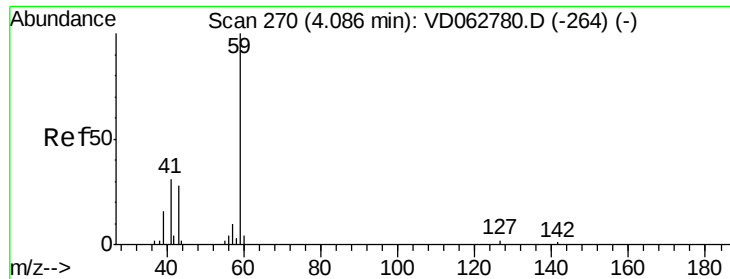


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



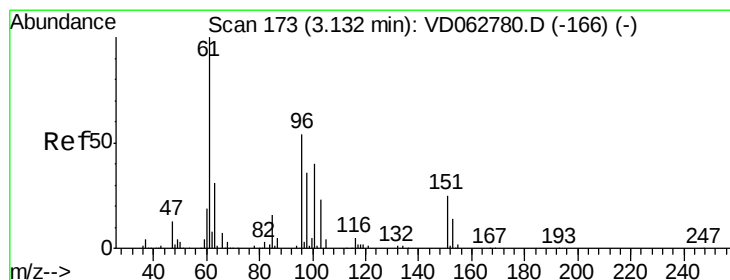
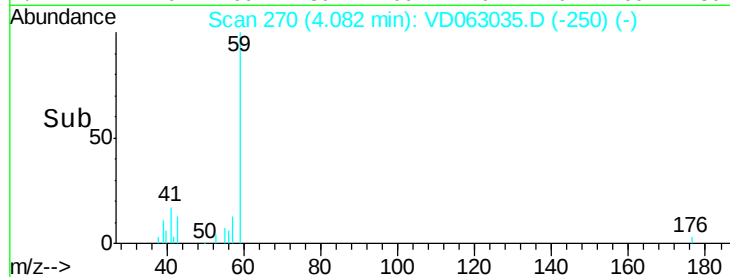
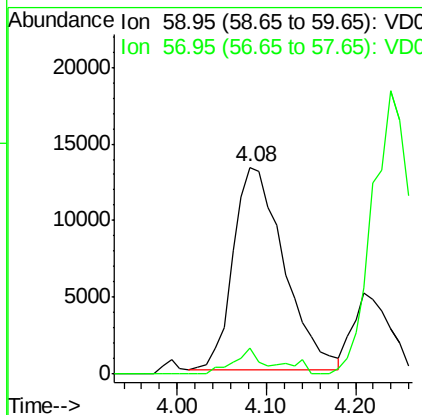
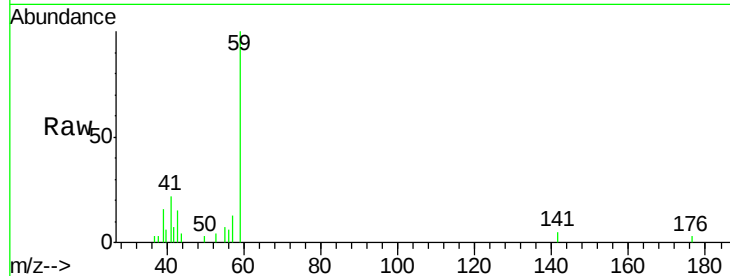


#11

Tert butyl alcohol
 Concen: 112.560 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBSD02

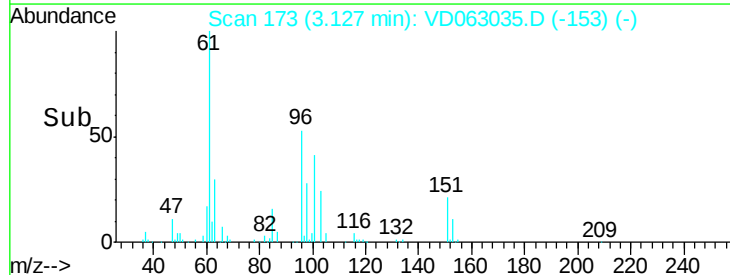
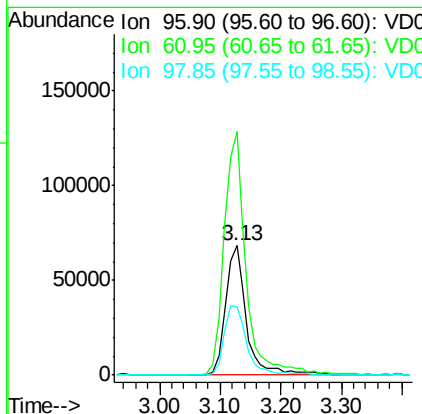
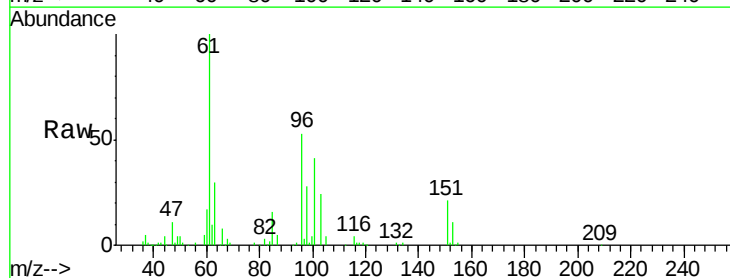
Tot Ion: 59 Resp: 52153
 Ion Ratio Lower Upper
 59 100
 57 12.8 6.6 10.0#

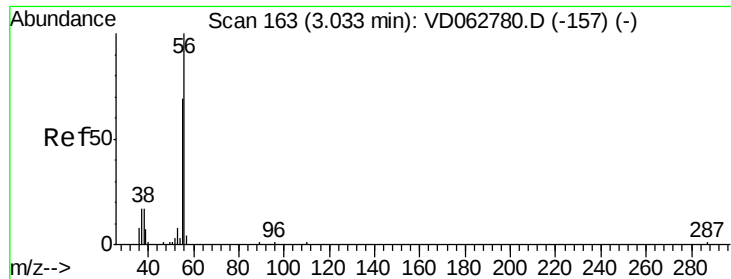


#12

1,1-Dichloroethene
 Concen: 22.016 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

Tgt Ion: 96 Resp: 163525
 Ion Ratio Lower Upper
 96 100
 61 188.1 147.1 220.7
 98 53.1 52.6 79.0





#13

Acrolein

Concen: 55.331 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

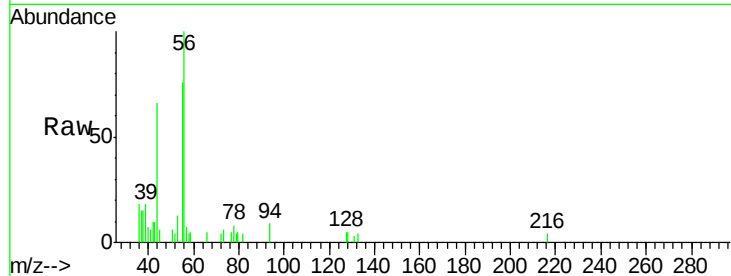
VD0708SBSD02

Tot Ion: 56 Resp: 26172

Ion Ratio Lower Upper

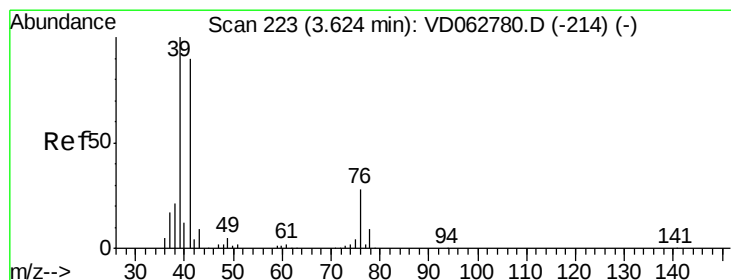
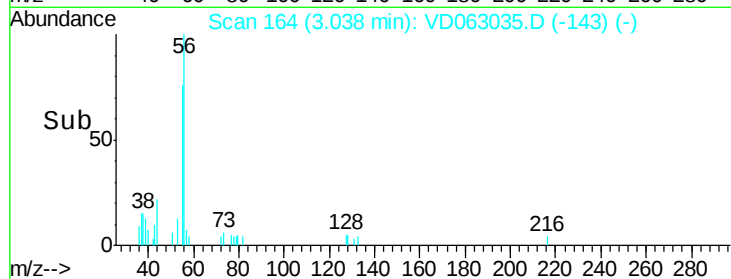
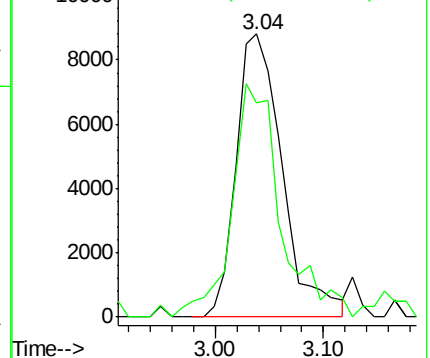
56 100

55 75.6 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.277 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

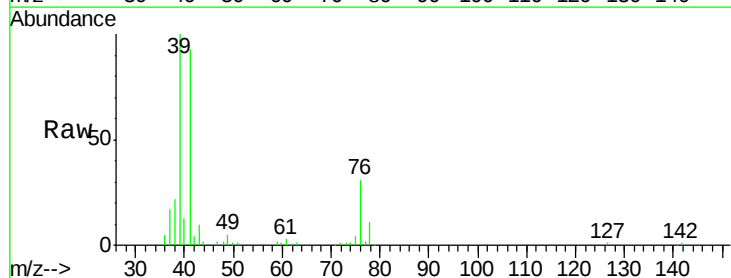
Tgt Ion: 41 Resp: 244494

Ion Ratio Lower Upper

41 100

39 107.6 88.8 133.2

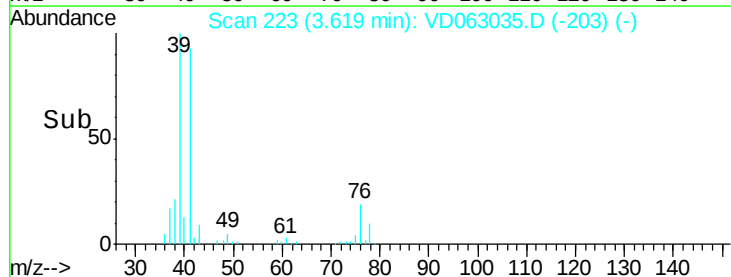
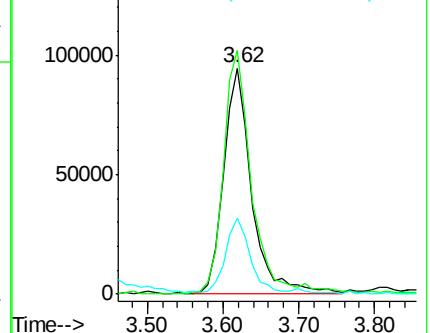
76 33.3 26.7 40.1

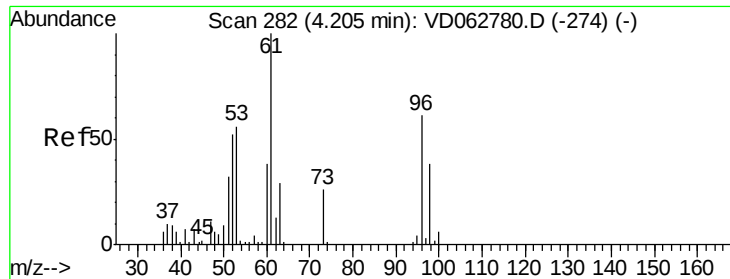


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 118.720 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS02

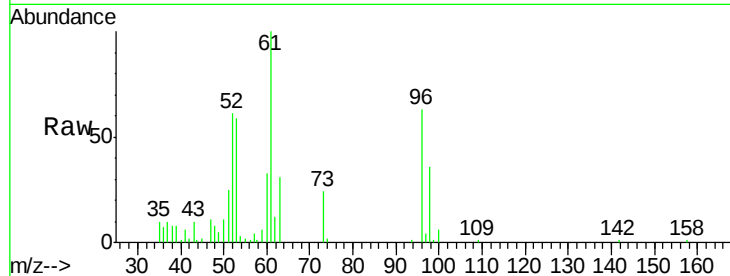
Tot Ion: 53 Resp: 129252

Ion Ratio Lower Upper

53 100

52 102.3 73.3 109.9

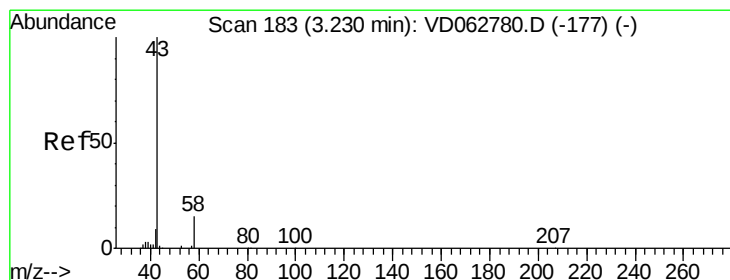
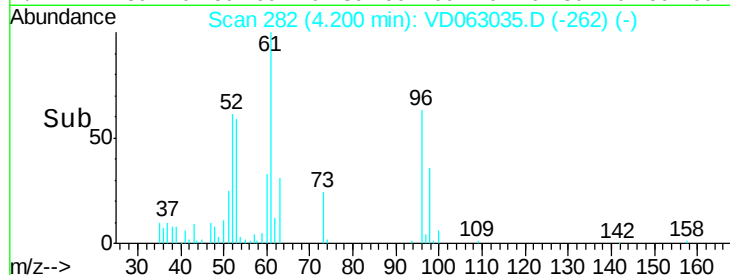
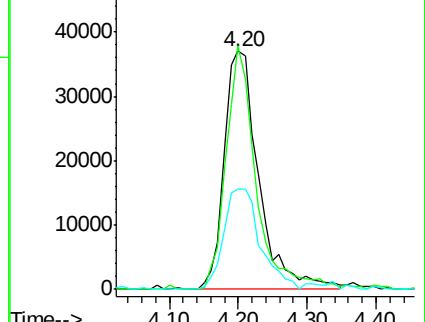
51 42.2 44.8 67.2#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 95.499 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063035.D

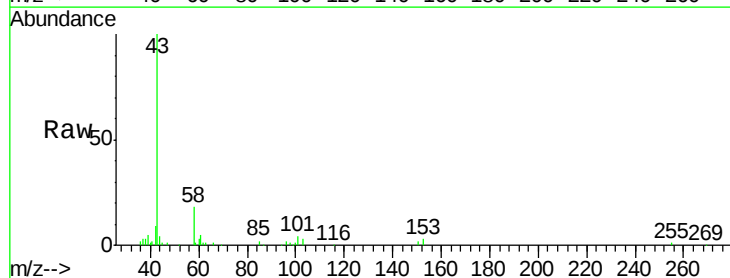
Acq: 8 Jul 2019 14:43

Tgt Ion: 43 Resp: 205936

Ion Ratio Lower Upper

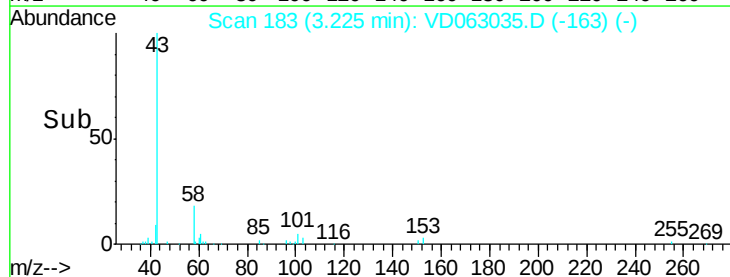
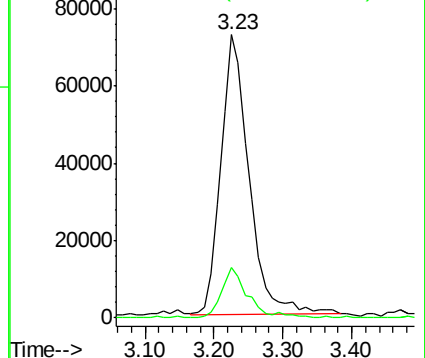
43 100

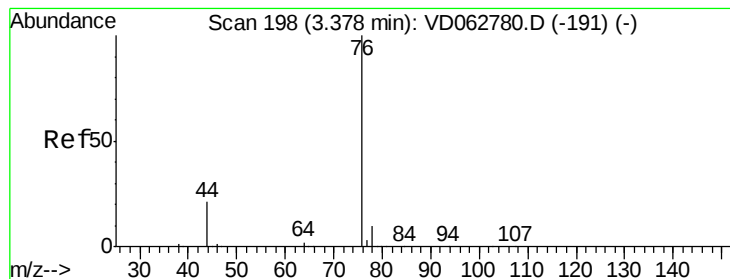
58 17.6 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 19.732 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

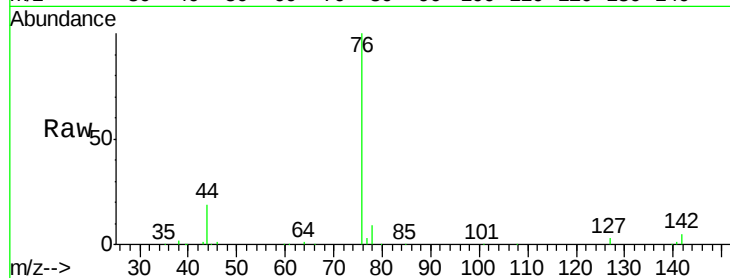
VD0708SBSD02

Tot Ion: 76 Resp: 468409

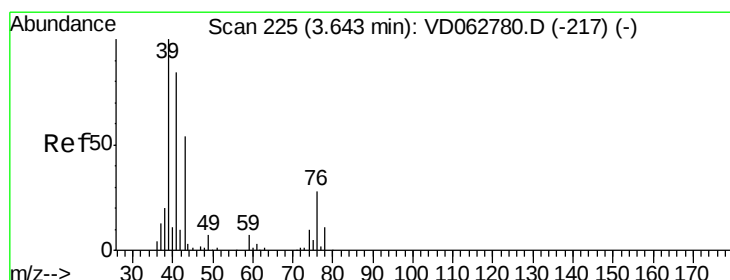
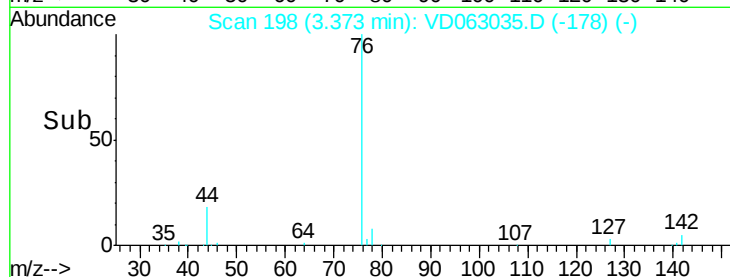
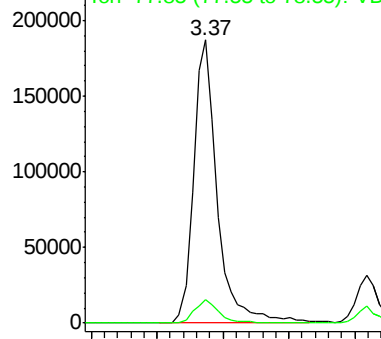
Ion Ratio Lower Upper

76 100

78 8.5 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 30.507 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD063035.D

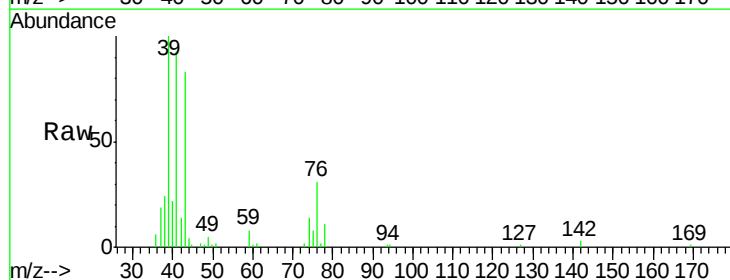
Acq: 8 Jul 2019 14:43

Tgt Ion: 43 Resp: 93689

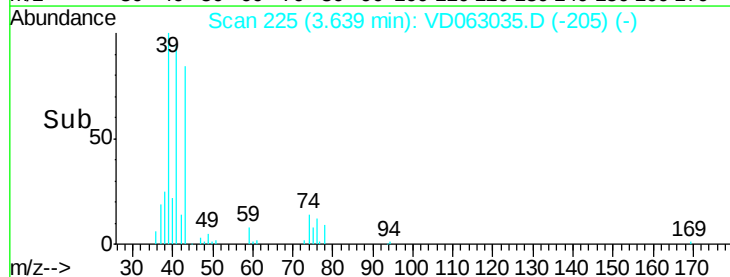
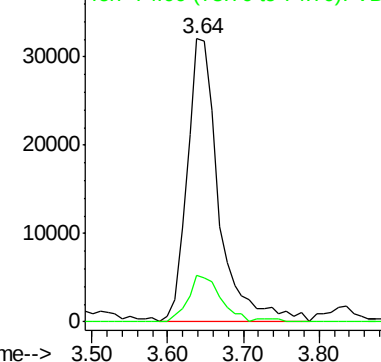
Ion Ratio Lower Upper

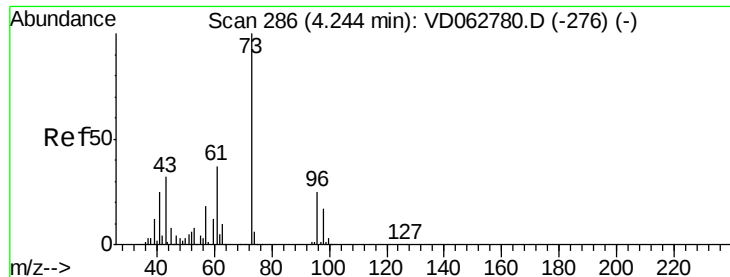
43 100

74 16.5 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

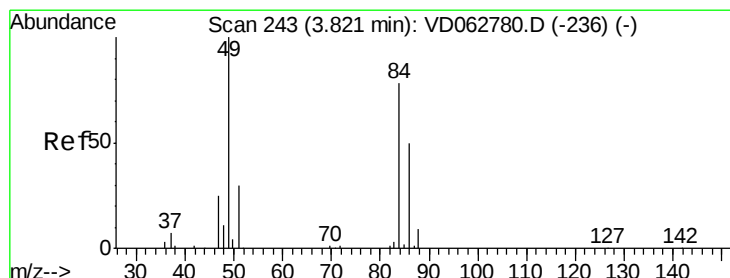
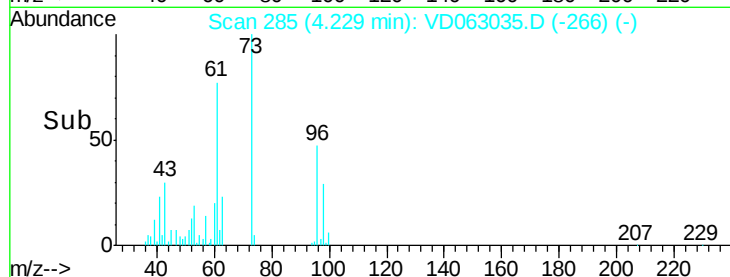
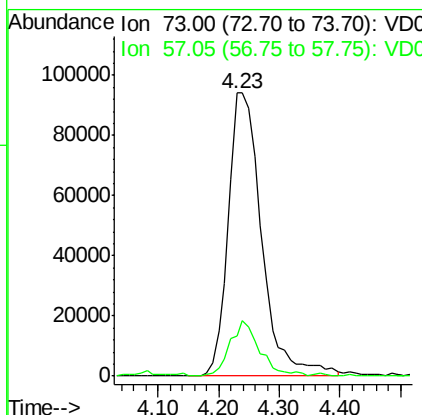
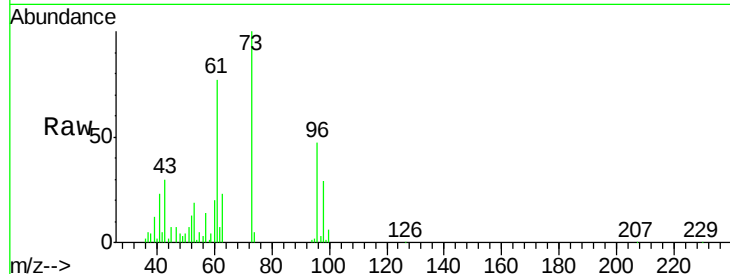




#19
Methyl tert-butyl Ether
Concen: 22.488 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

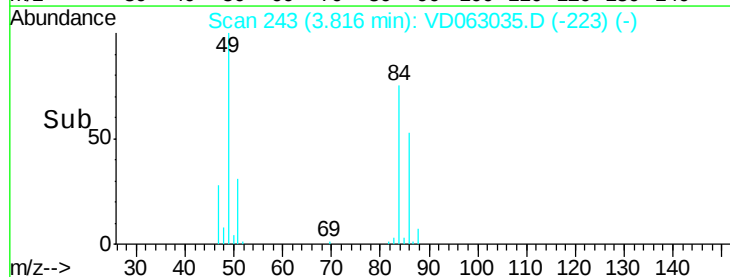
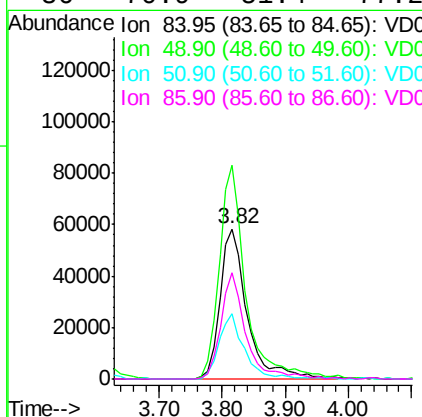
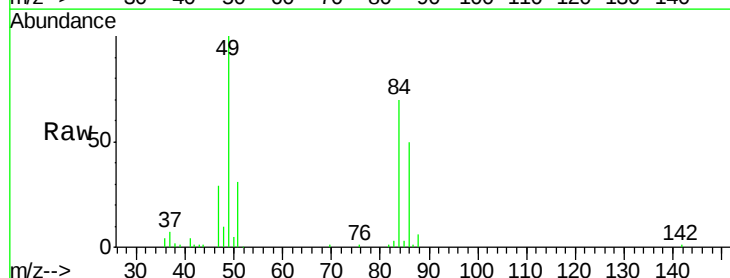
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS02

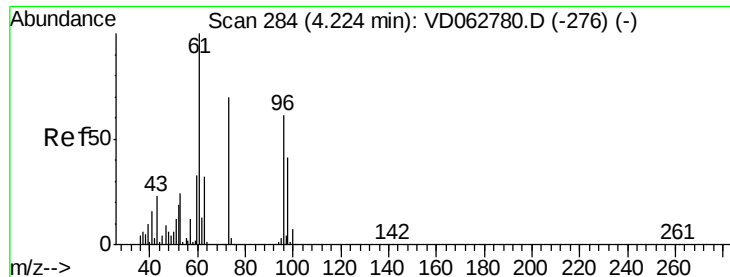
Tot Ion: 73 Resp: 361591
Ion Ratio Lower Upper
73 100
57 14.1 14.3 21.5#



#20
Methylene Chloride
Concen: 22.495 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

Tgt Ion: 84 Resp: 174528
Ion Ratio Lower Upper
84 100
49 142.4 102.9 154.3
51 43.9 31.2 46.8
86 70.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 21.797 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS02

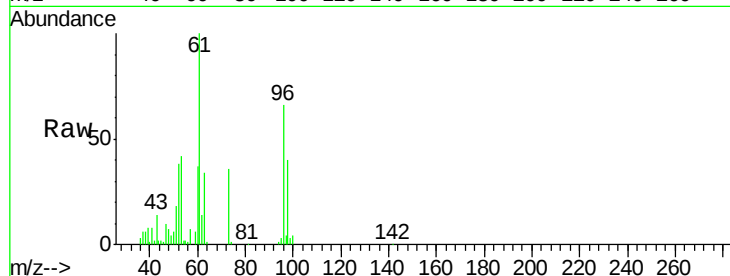
Tot Ion: 96 Resp: 172390

Ion Ratio Lower Upper

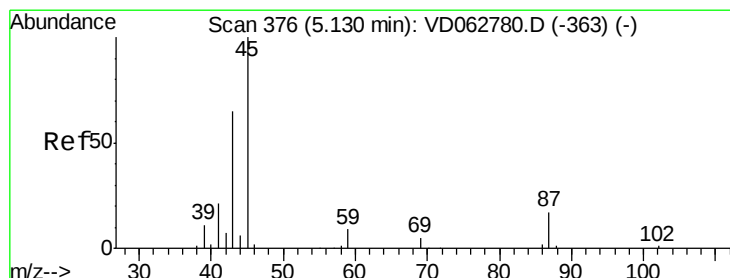
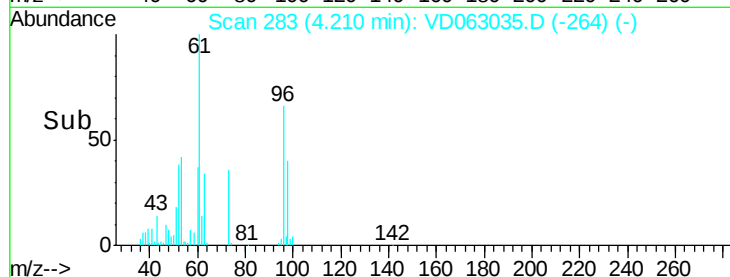
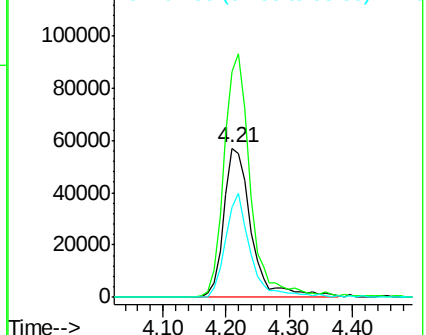
96 100

61 151.3 131.0 196.4

98 60.8 53.2 79.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 23.004 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Tgt Ion: 45 Resp: 513437

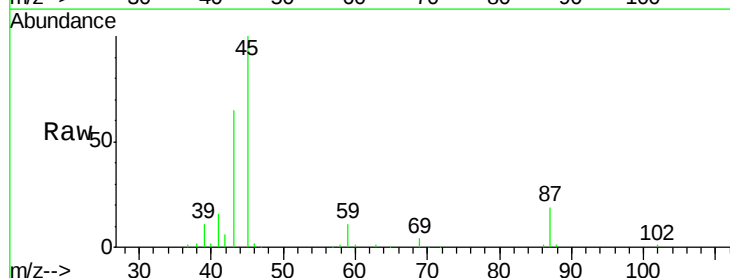
Ion Ratio Lower Upper

45 100

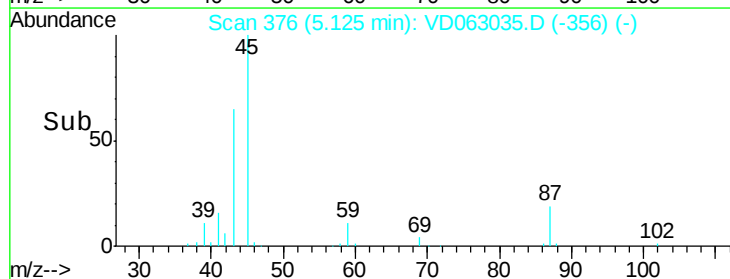
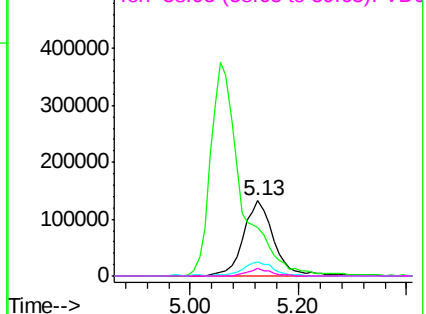
43 64.8 53.4 80.0

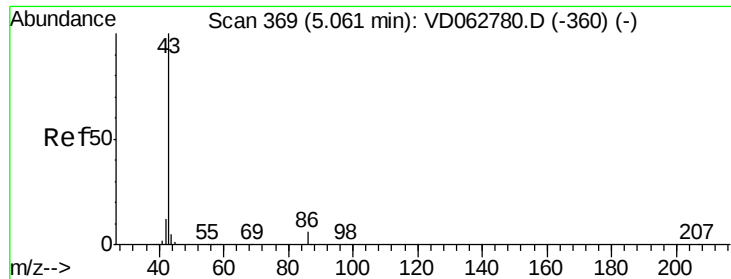
87 19.1 14.6 22.0

59 10.8 7.8 11.8



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 104.861 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

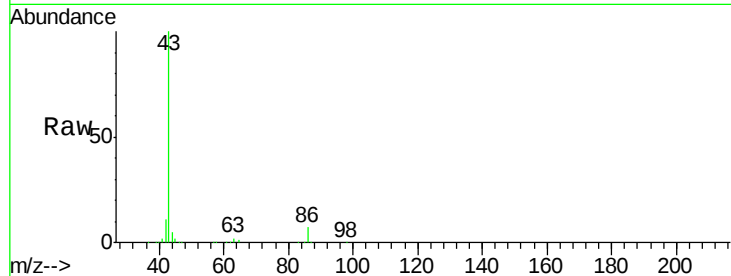
VD0708SBSD02

Tot Ion: 43 Resp: 1464541

Ion Ratio Lower Upper

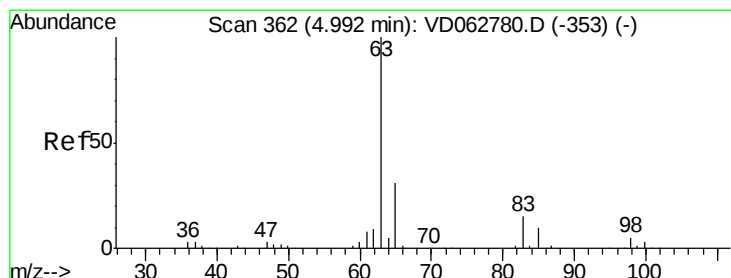
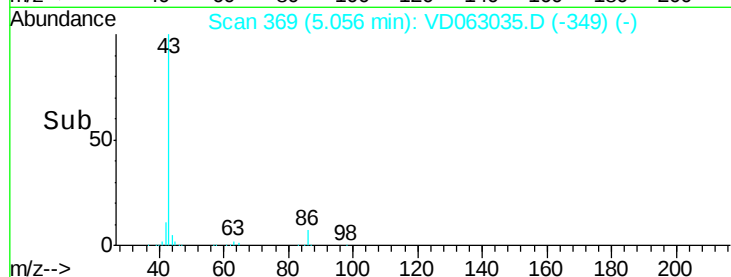
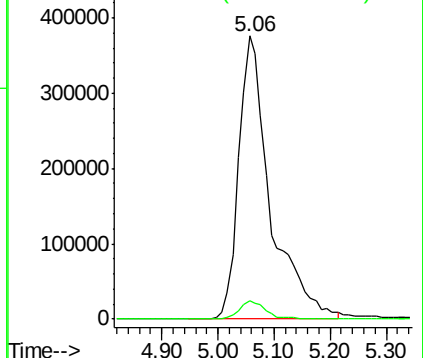
43 100

86 6.6 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.720 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

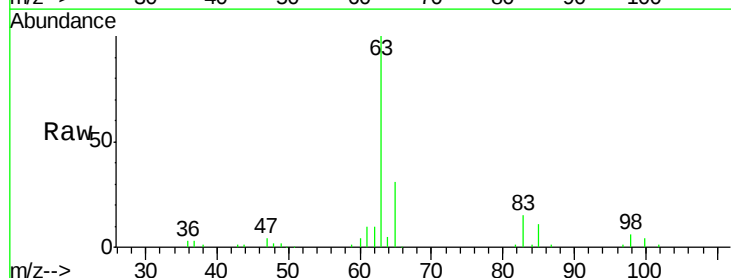
Tgt Ion: 63 Resp: 315640

Ion Ratio Lower Upper

63 100

98 5.7 2.3 6.9

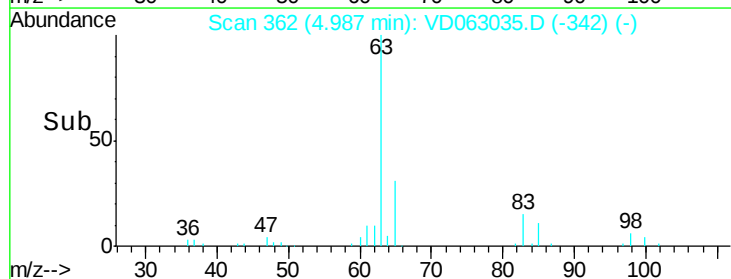
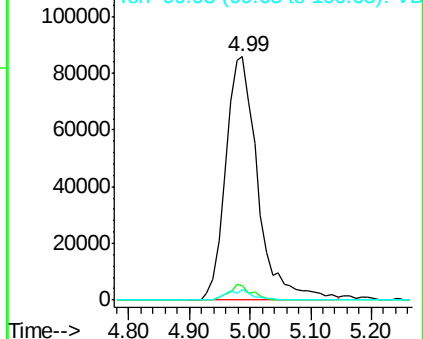
100 4.1 1.7 5.1

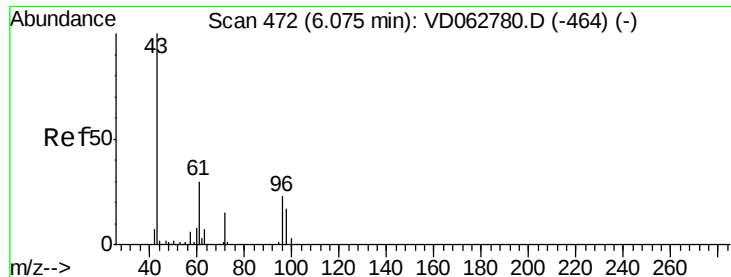


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 114.040 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

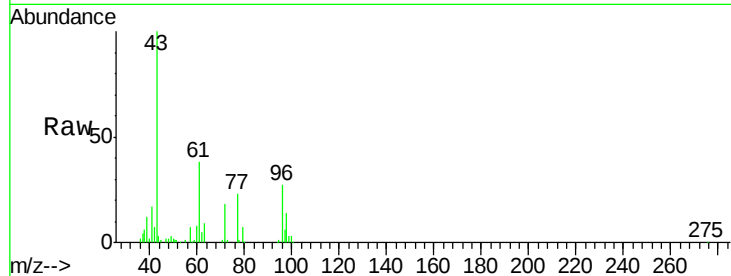
VD0708SBSD02

Tot Ion: 43 Resp: 216984

Ion Ratio Lower Upper

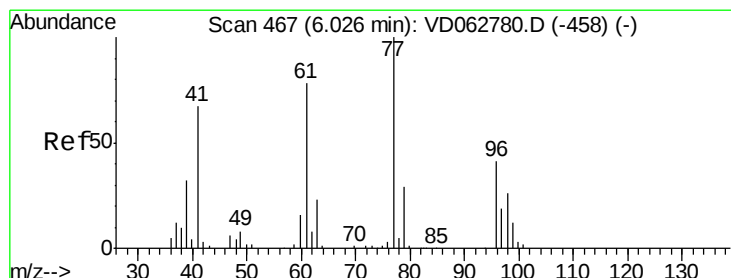
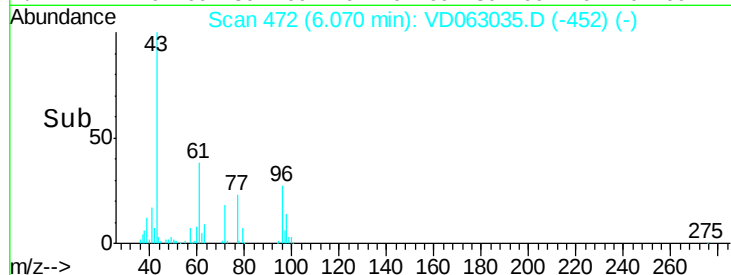
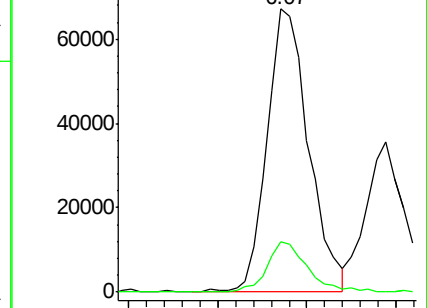
43 100

72 17.8 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.229 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD063035.D

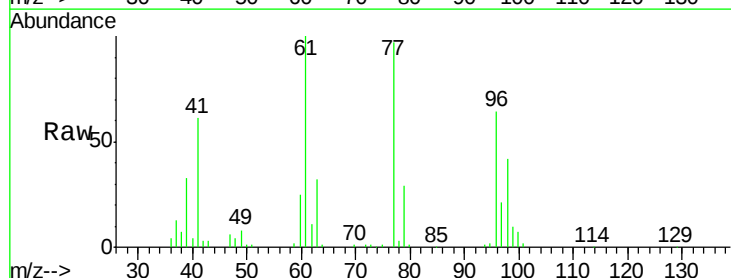
Acq: 8 Jul 2019 14:43

Tgt Ion: 77 Resp: 342399

Ion Ratio Lower Upper

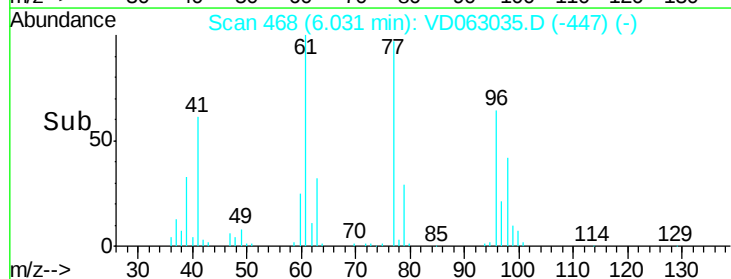
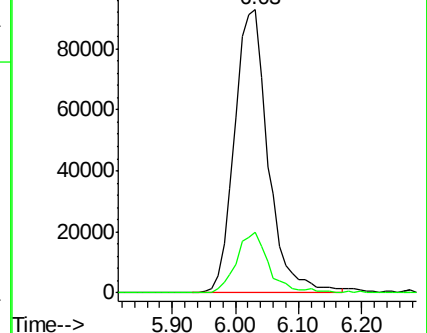
77 100

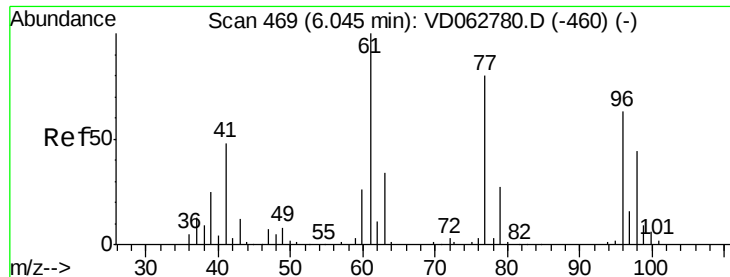
97 21.5 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



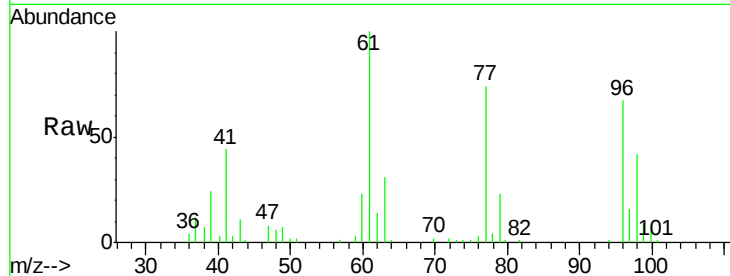


#27

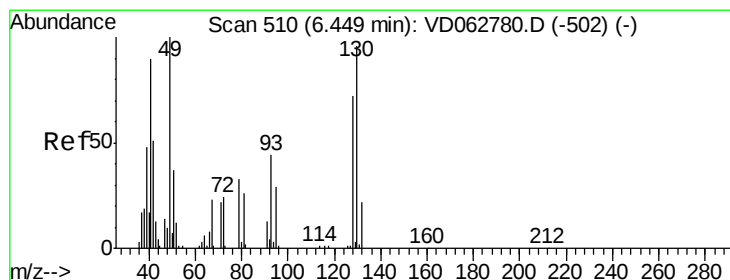
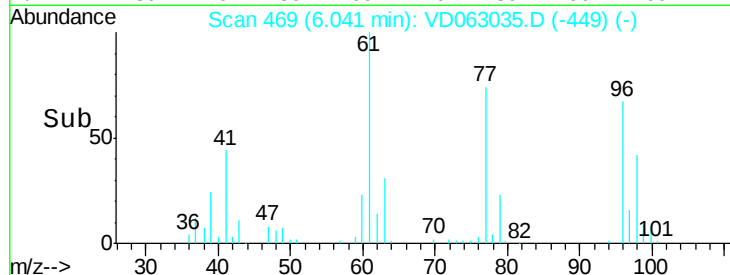
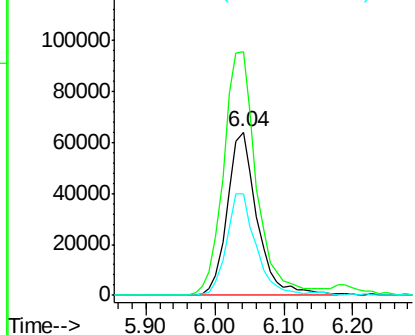
cis-1,2-Dichloroethene
 Concen: 23.081 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBSD02

Tot Ion: 96 Resp: 193040
 Ion Ratio Lower Upper
 96 100
 61 149.3 0.0 316.0
 98 62.1 0.0 138.4



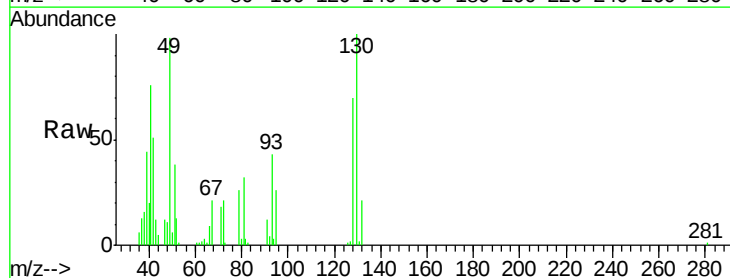
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



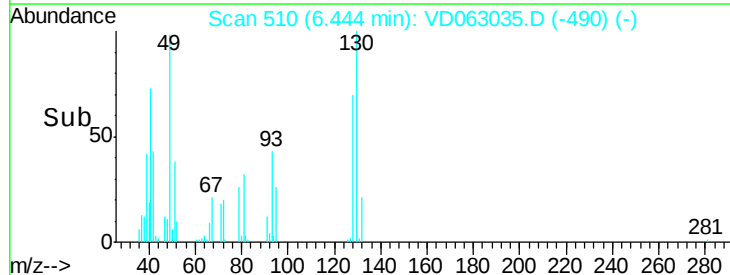
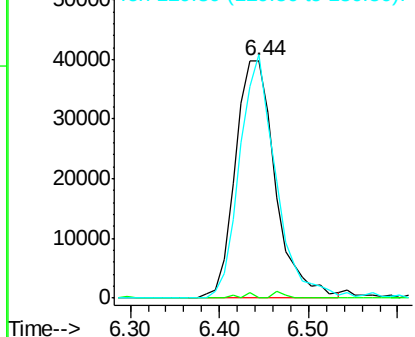
#28

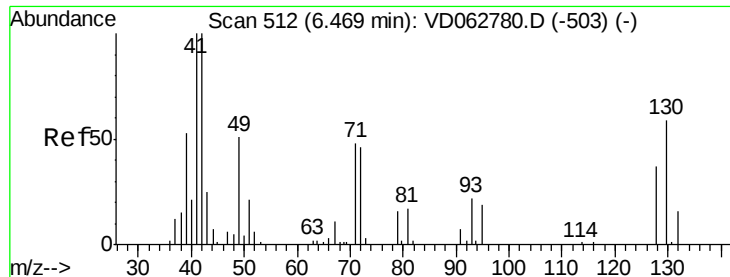
Bromochloromethane
 Concen: 24.275 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

Tgt Ion: 49 Resp: 124243
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.6
 130 102.5 76.6 114.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 114.082 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS02

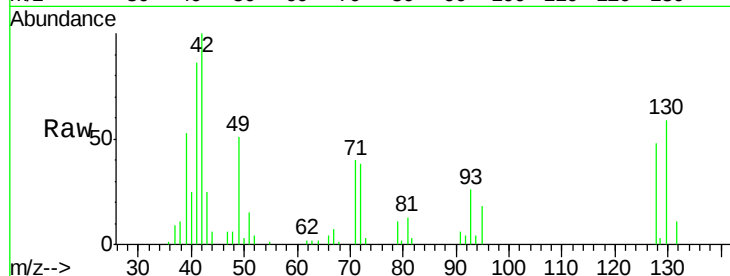
Tot Ion: 42 Resp: 102701

Ion Ratio Lower Upper

42 100

72 40.9 35.0 52.6

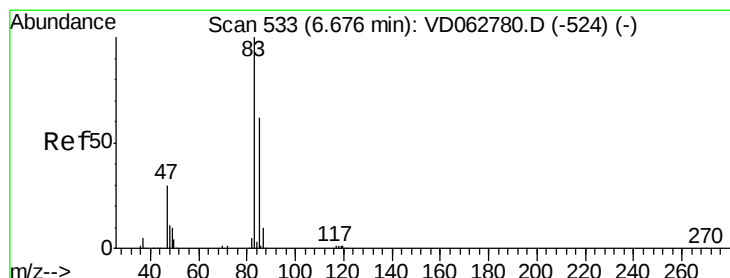
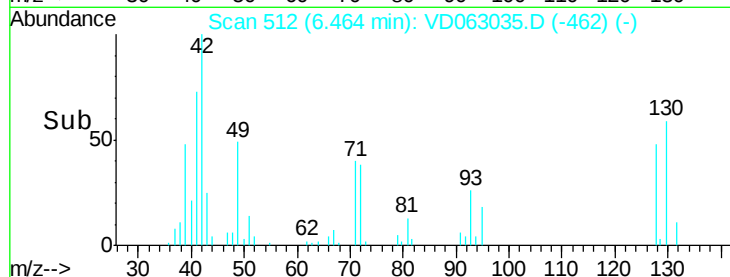
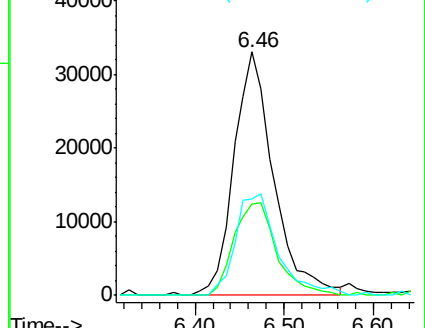
71 44.1 33.3 49.9



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 22.271 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD063035.D

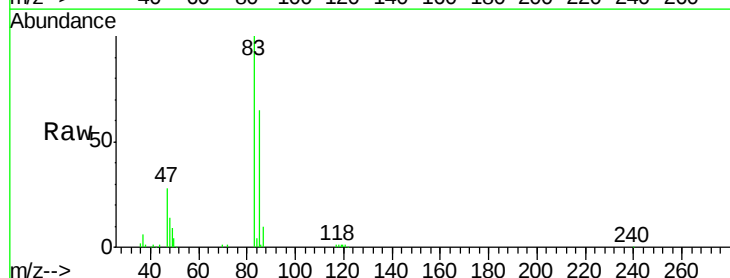
Acq: 8 Jul 2019 14:43

Tgt Ion: 83 Resp: 393602

Ion Ratio Lower Upper

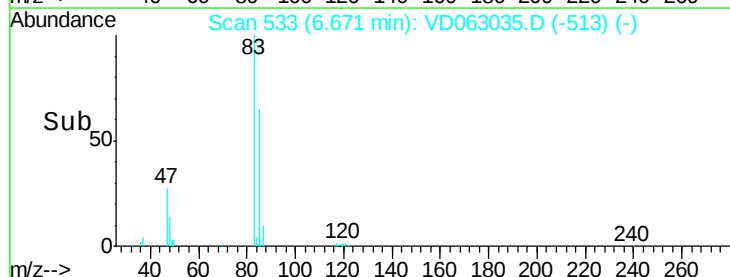
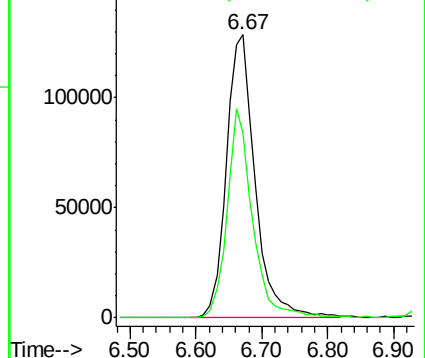
83 100

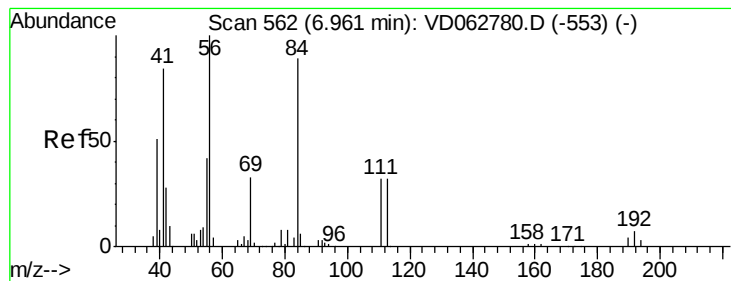
85 65.4 49.8 74.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 23.039 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS02

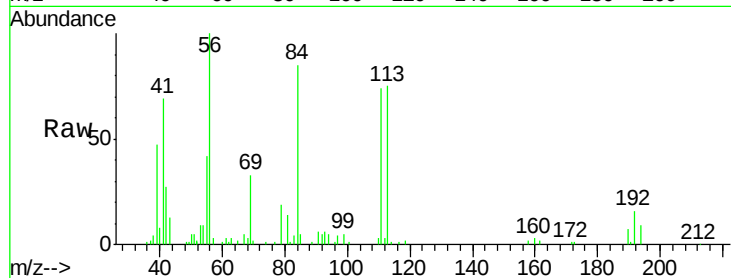
Tot Ion: 56 Resp: 220102

Ion Ratio Lower Upper

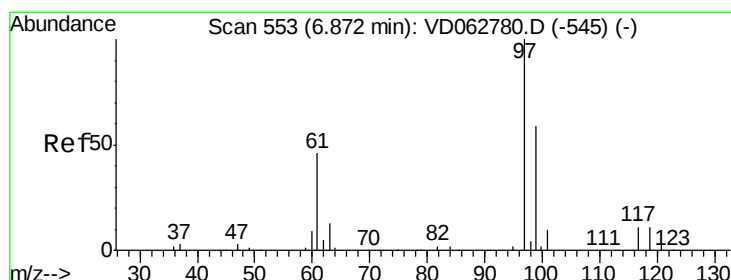
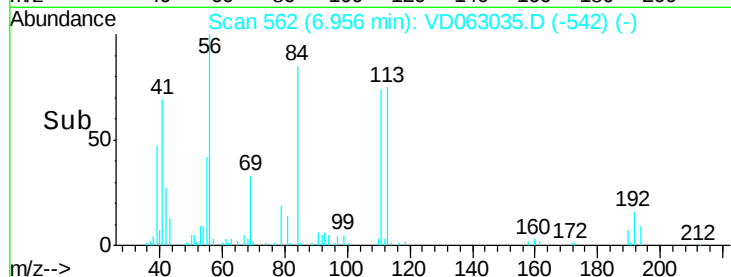
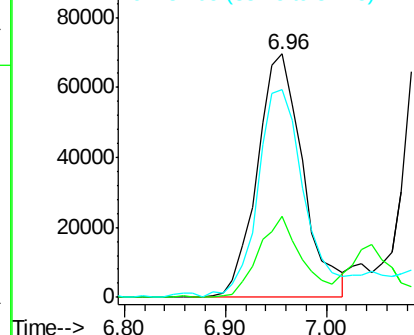
56 100

69 33.5 26.6 39.8

84 85.3 75.5 113.3



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 20.632 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

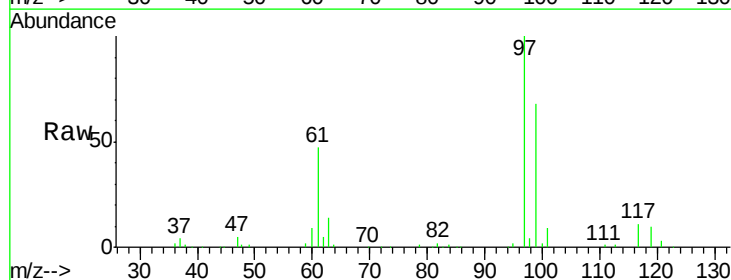
Tgt Ion: 97 Resp: 379786

Ion Ratio Lower Upper

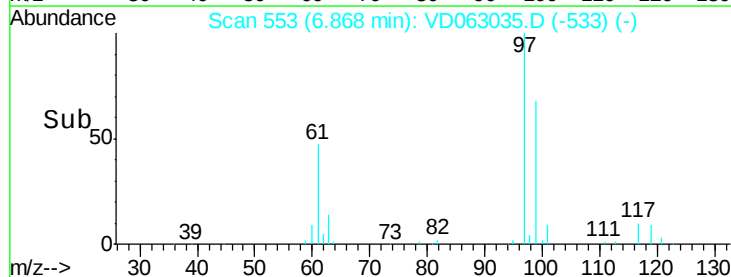
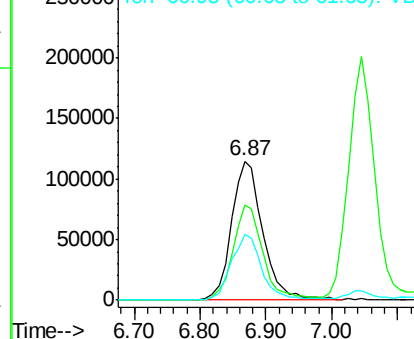
97 100

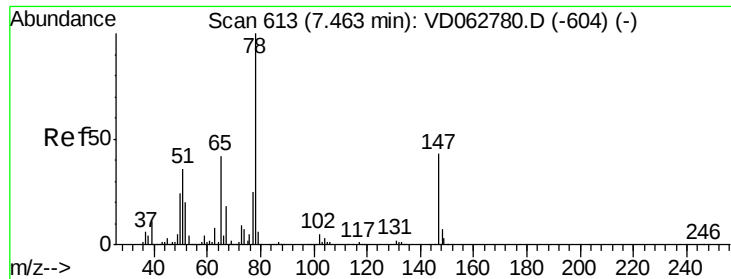
99 68.0 47.4 71.2

61 47.2 37.2 55.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

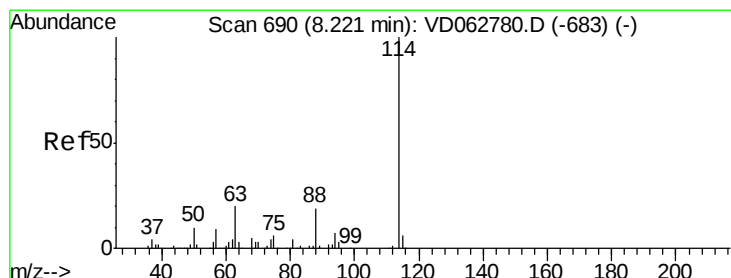
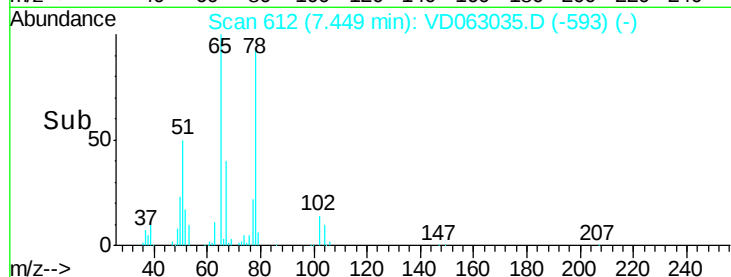
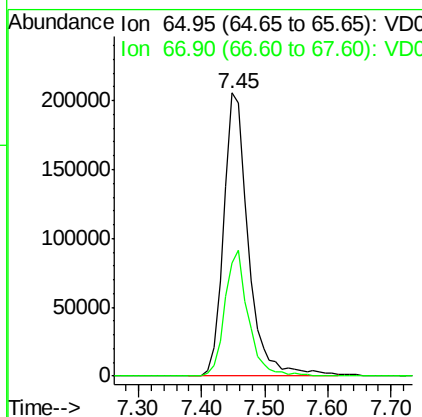
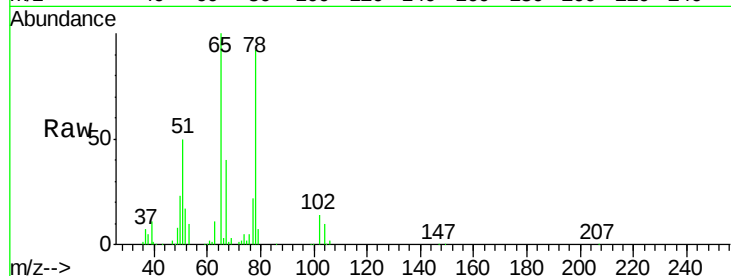




#33
 1,2-Dichloroethane-d4
 Concen: 54.894 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

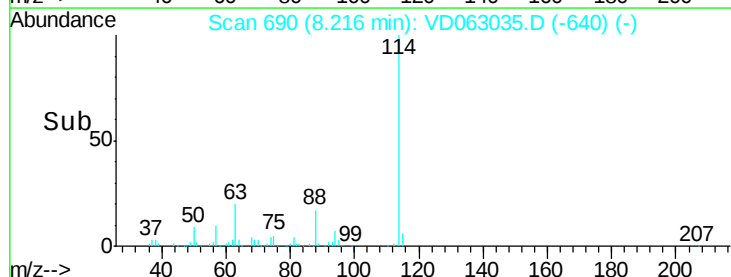
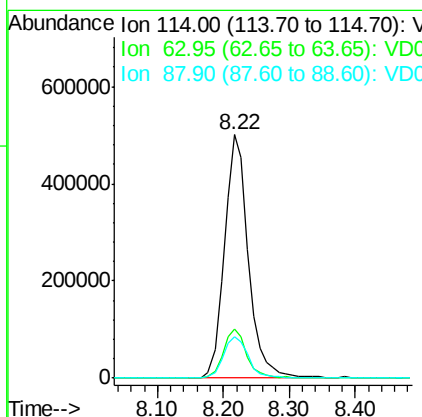
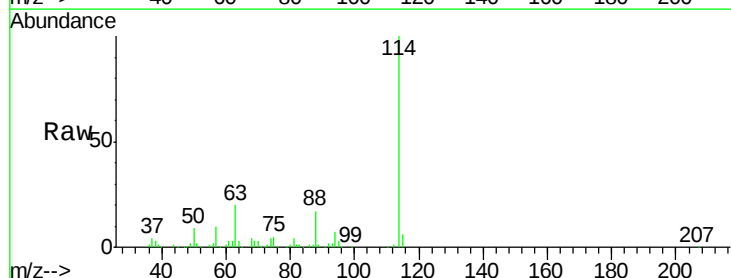
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBSD02

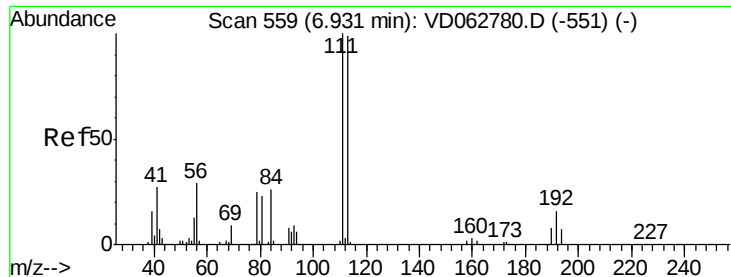
Tot Ion: 65 Resp: 558452
 Ion Ratio Lower Upper
 65 100
 67 40.1 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

Tgt Ion: 114 Resp: 1271997
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 16.8 0.0 38.8

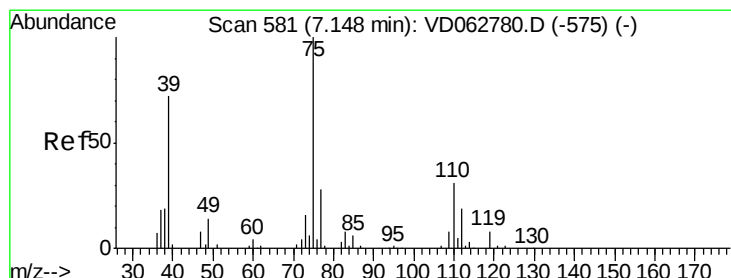
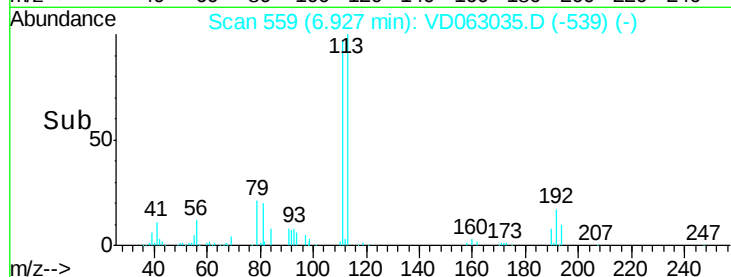
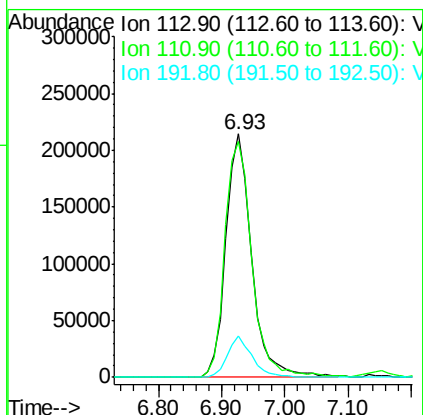
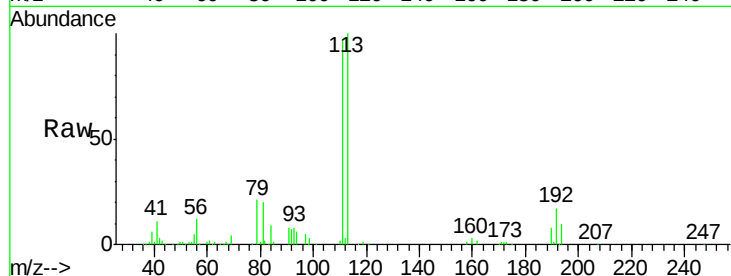




#35
 Dibromofluoromethane
 Concen: 56.725 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

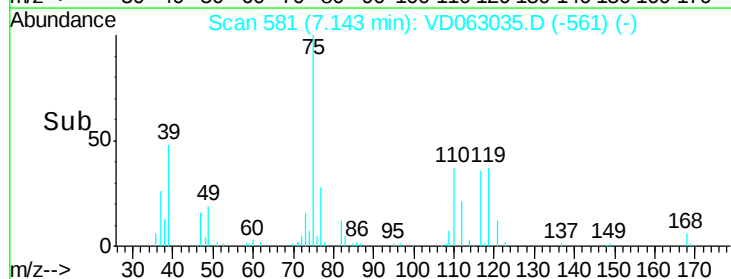
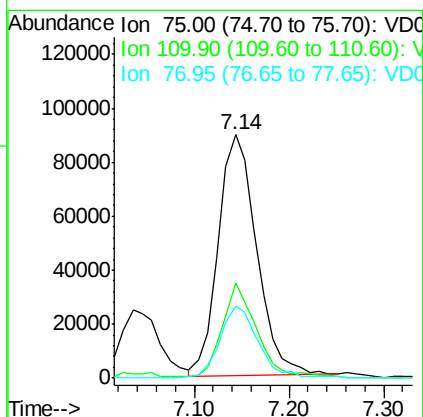
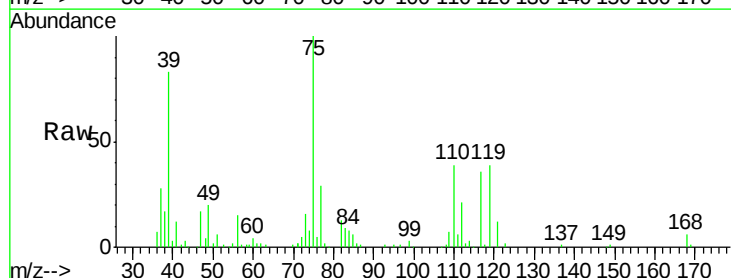
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBSD02

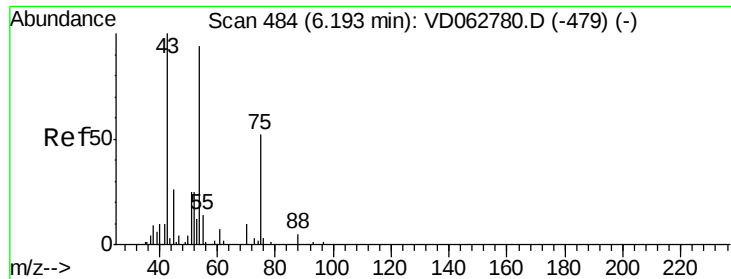
Tot Ion	Ratio	Lower	Upper
113	100		
111	96.7	81.2	121.8
192	17.2	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 20.858 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.8	15.0	45.1
77	29.4	22.2	33.2

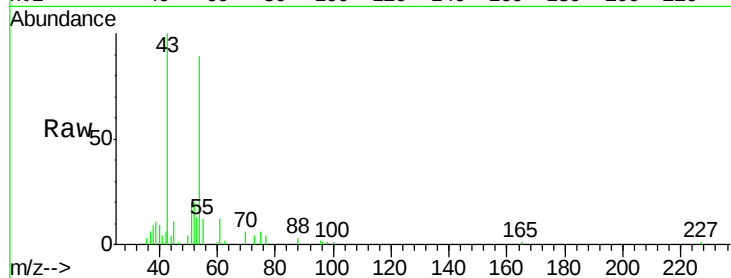




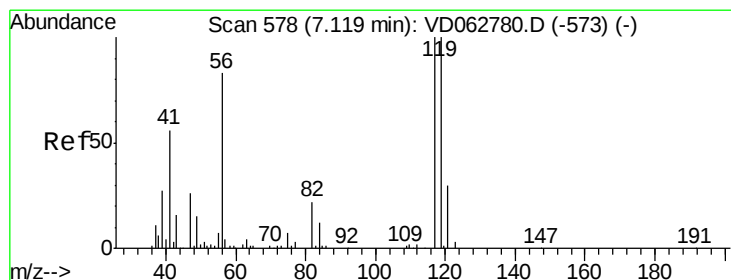
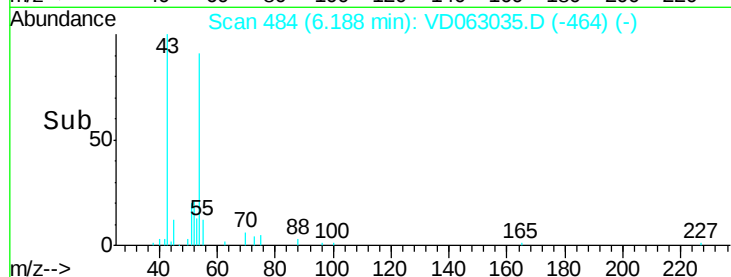
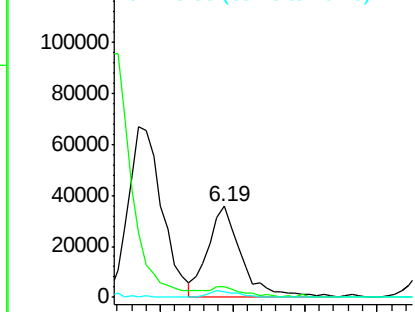
#37
Ethyl Acetate
Concen: 22.292 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS02

Tot Ion: 43 Resp: 115844
Ion Ratio Lower Upper
43 100
61 11.8 11.6 17.4
70 6.3 6.4 9.6#

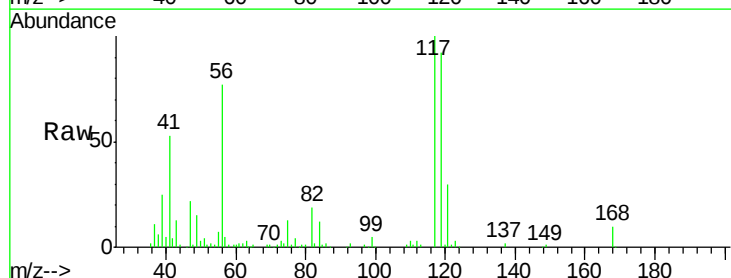


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

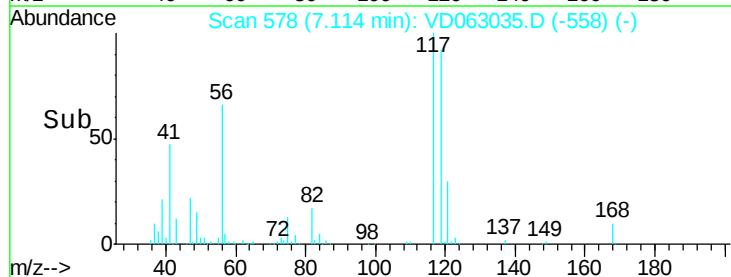
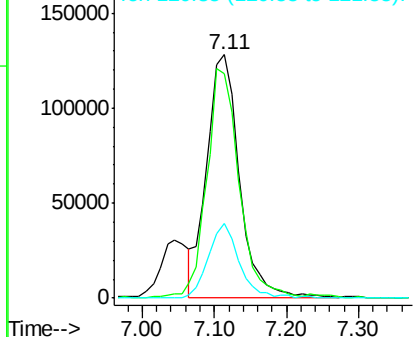


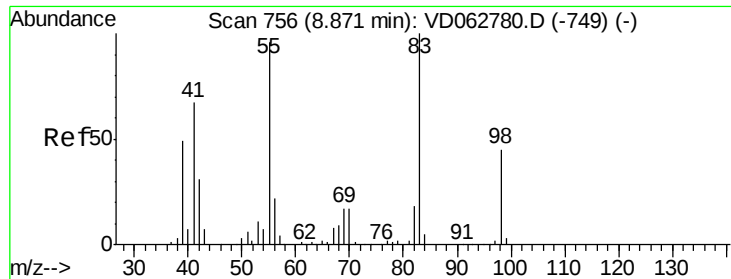
#38
Carbon Tetrachloride
Concen: 21.907 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

Tgt Ion: 117 Resp: 396721
Ion Ratio Lower Upper
117 100
119 92.1 75.4 113.2
121 30.5 22.3 33.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 21.844 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBSD02

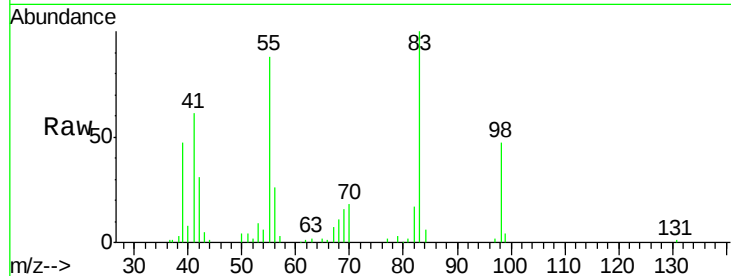
Tot Ion: 83 Resp: 231523

Ion Ratio Lower Upper

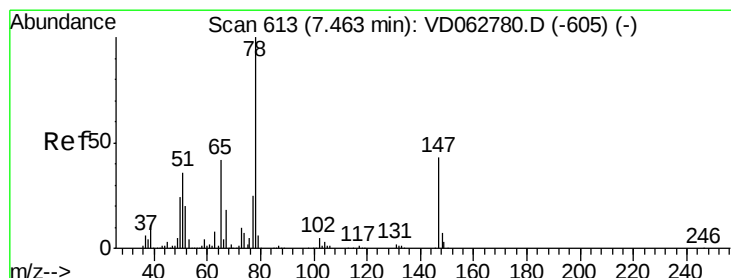
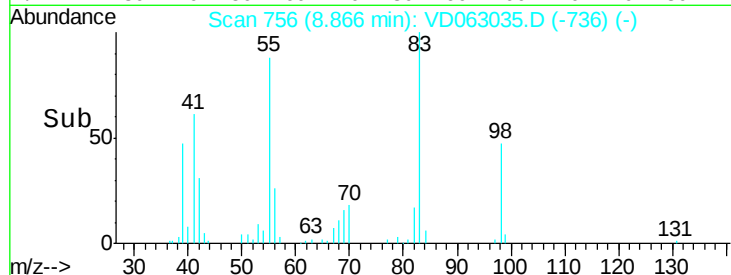
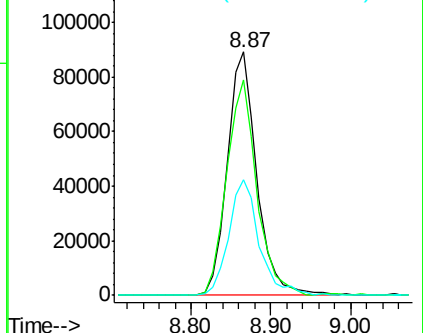
83 100

55 88.4 76.6 115.0

98 47.3 35.7 53.5



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 22.491 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063035.D

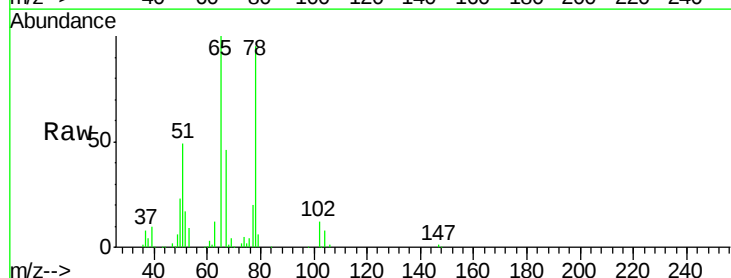
Acq: 8 Jul 2019 14:43

Tgt Ion: 78 Resp: 543620

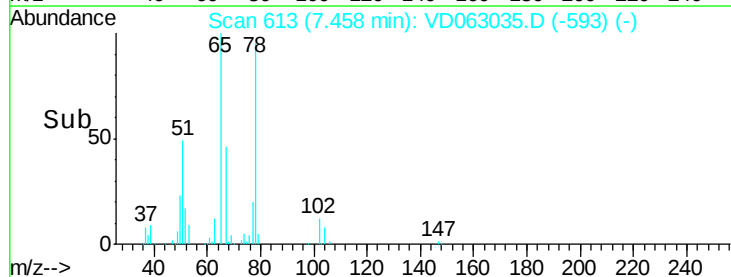
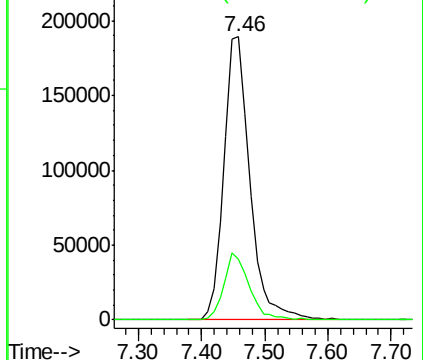
Ion Ratio Lower Upper

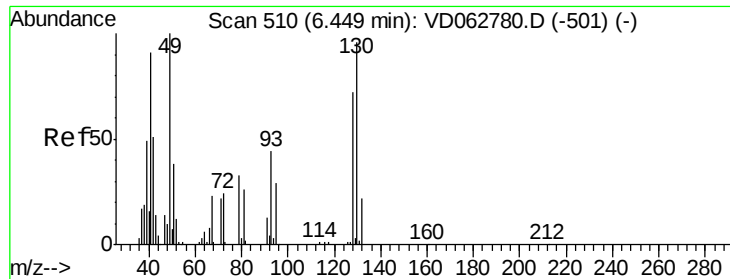
78 100

77 21.5 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

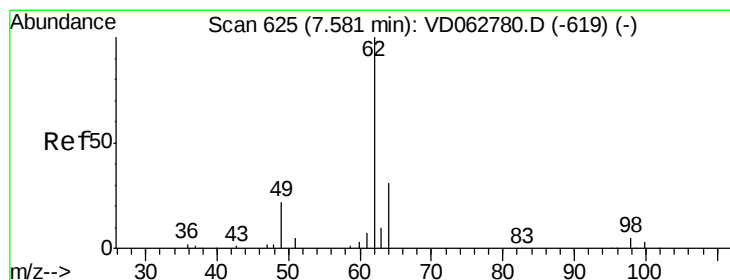
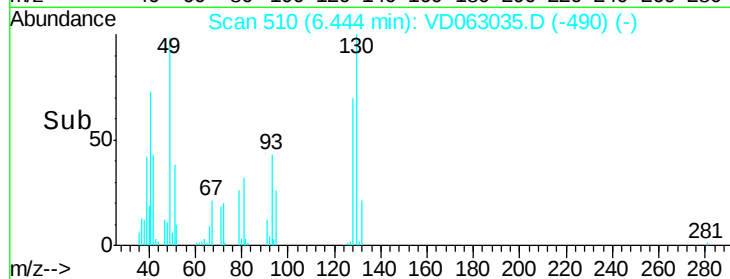
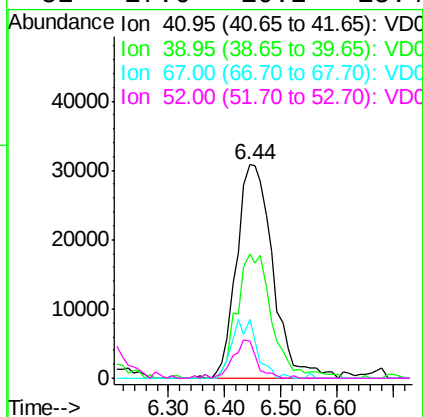
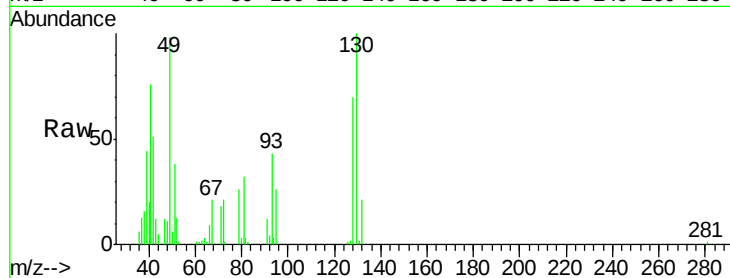




#41
Methacrylonitrile
Concen: 21.692 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

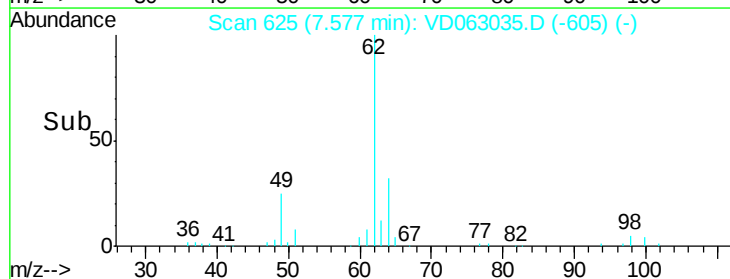
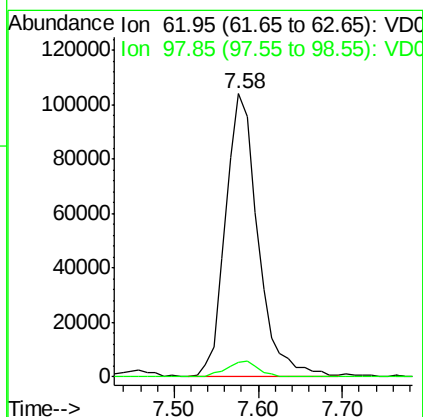
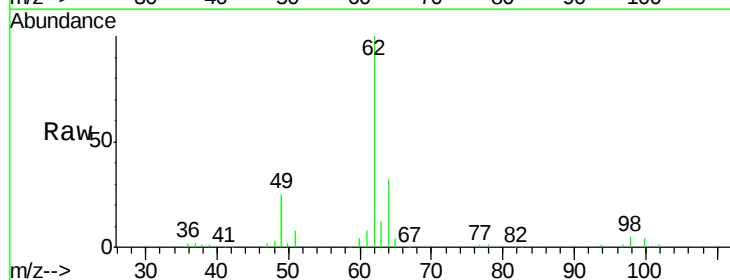
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS02

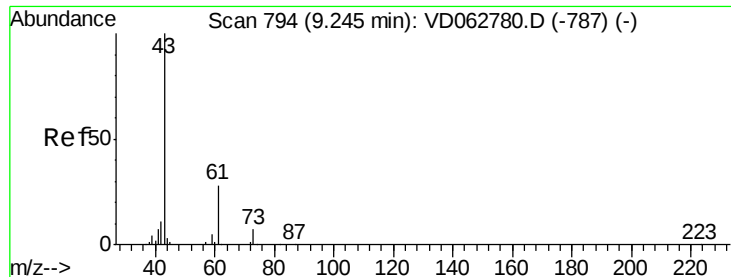
Tot Ion: 41 Resp: 137748
Ion Ratio Lower Upper
41 100
39 58.4 43.2 64.8
67 27.8 19.9 29.9
52 17.6 10.2 15.4#



#42
1,2-Dichloroethane
Concen: 21.268 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

Tgt Ion: 62 Resp: 280434
Ion Ratio Lower Upper
62 100
98 5.0 0.0 10.0





#43

Isopropyl Acetate

Concen: 21.811 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS02

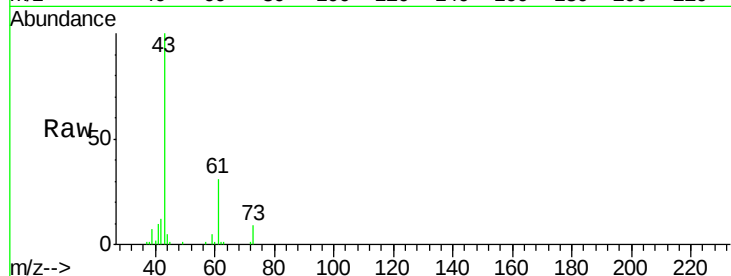
Tot Ion: 43 Resp: 137687

Ion Ratio Lower Upper

43 100

61 30.9 22.4 33.6

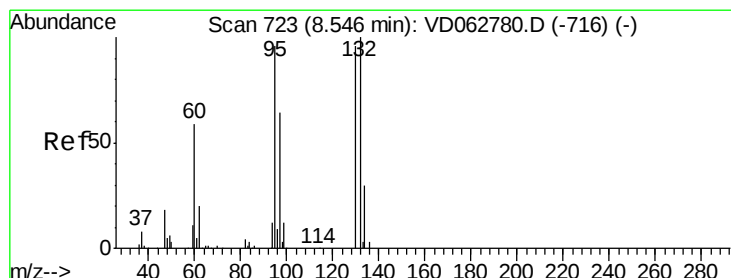
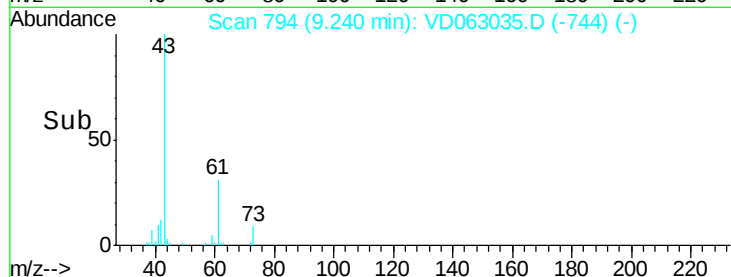
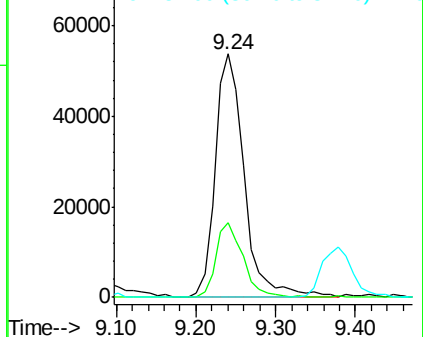
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.546 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD063035.D

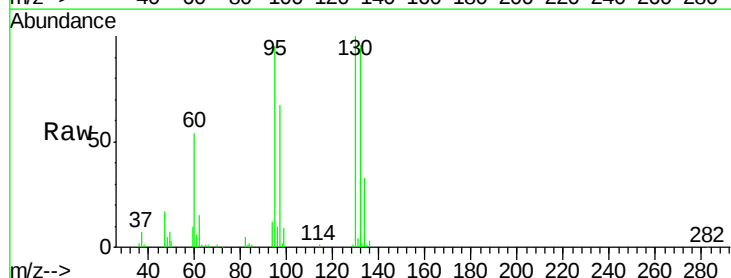
Acq: 8 Jul 2019 14:43

Tgt Ion:130 Resp: 213643

Ion Ratio Lower Upper

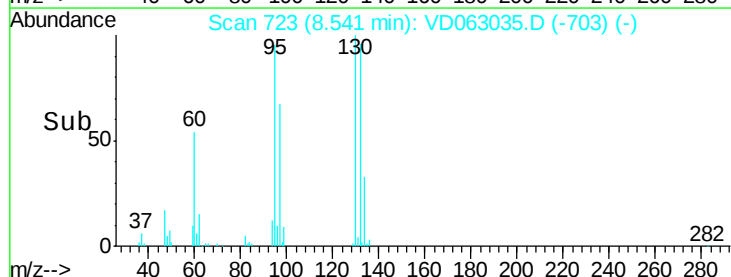
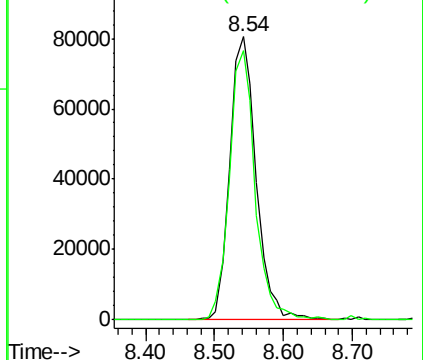
130 100

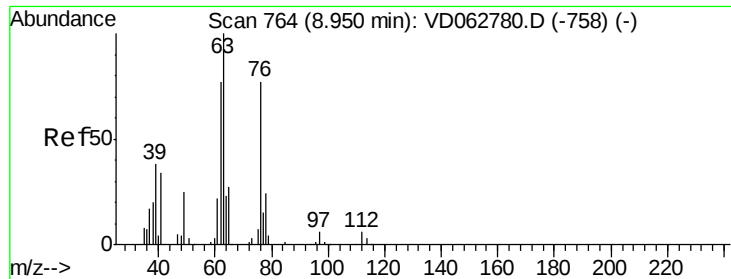
95 95.3 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.366 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

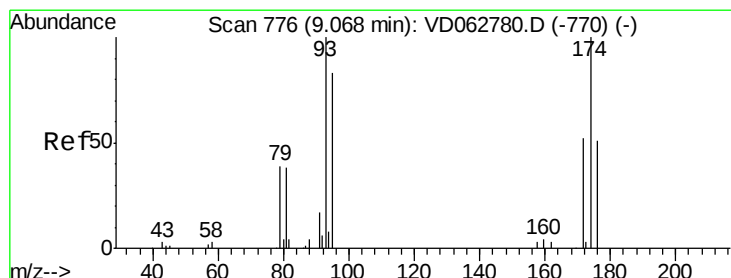
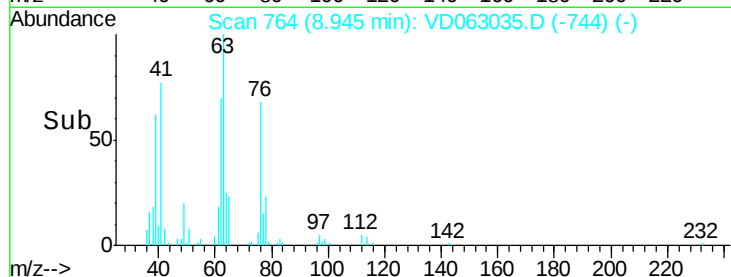
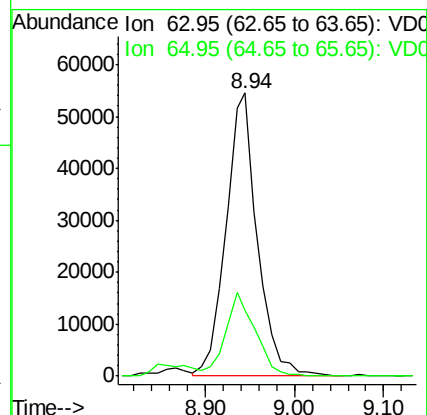
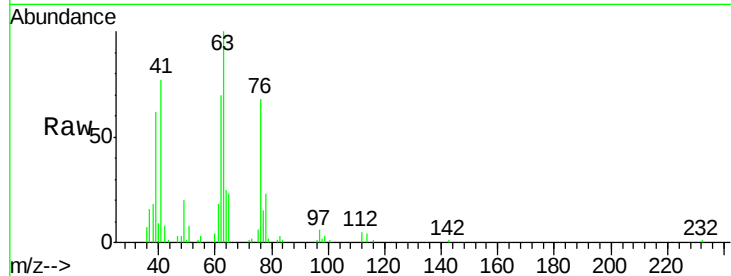
VD0708SBSD02

Tot Ion: 63 Resp: 134420

Ion Ratio Lower Upper

63 100

65 23.2 24.2 36.2#



#46

Dibromomethane

Concen: 21.645 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

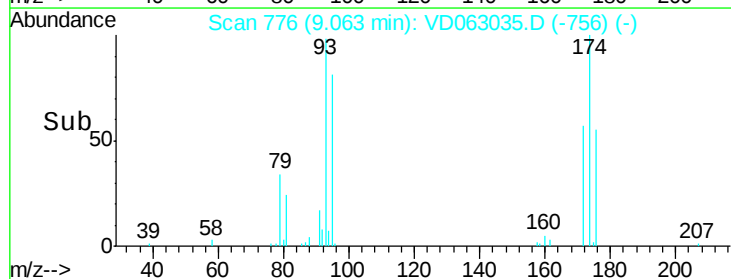
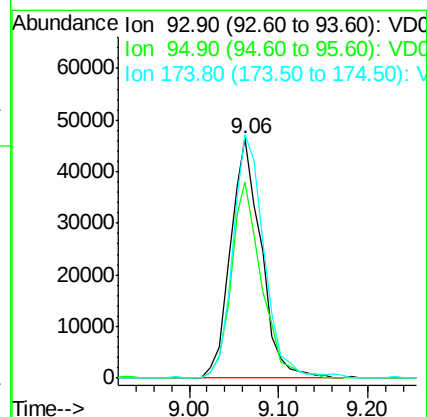
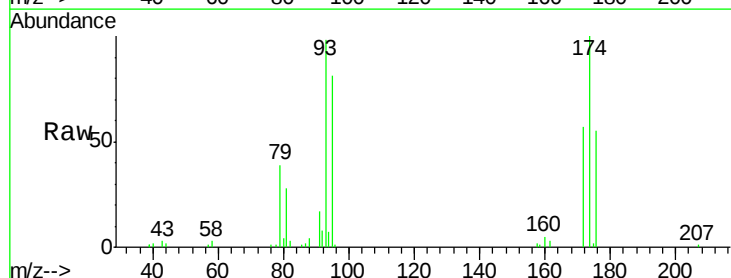
Tgt Ion: 93 Resp: 111748

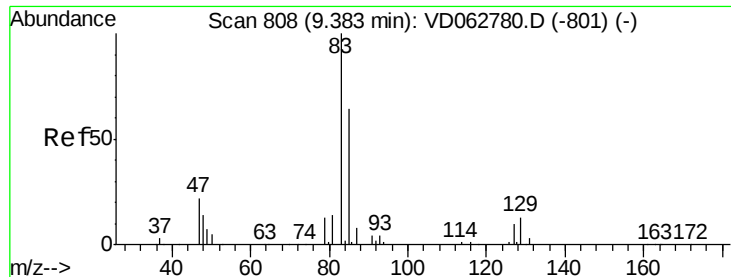
Ion Ratio Lower Upper

93 100

95 81.9 66.6 100.0

174 101.7 79.7 119.5





#47

Bromodichloromethane

Concen: 21.643 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBSD02

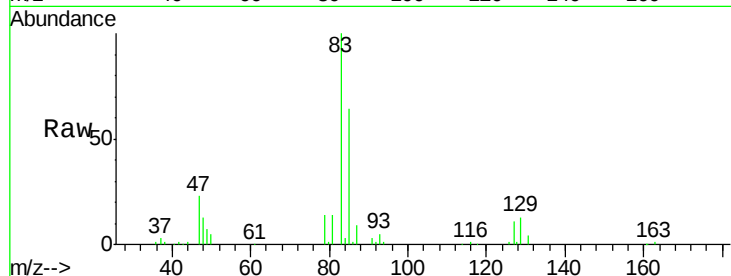
Tot Ion: 83 Resp: 290197

Ion Ratio Lower Upper

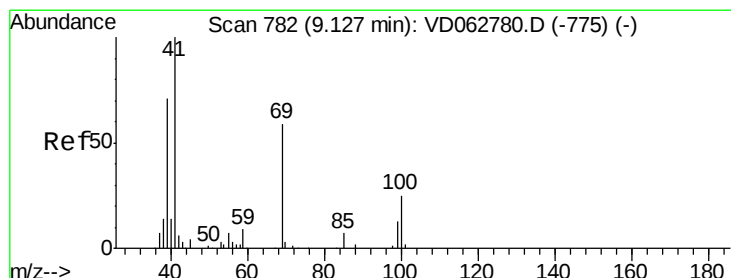
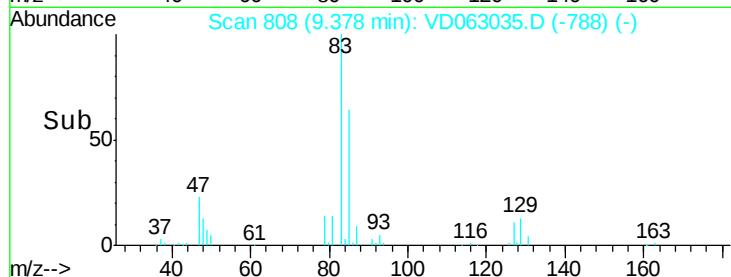
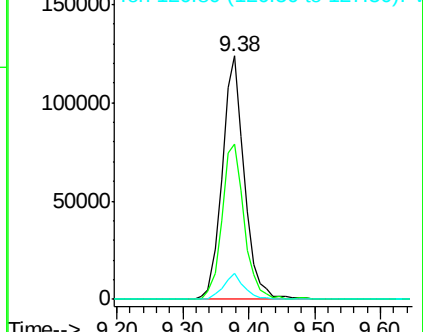
83 100

85 63.9 51.6 77.4

127 10.6 7.8 11.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 22.579 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

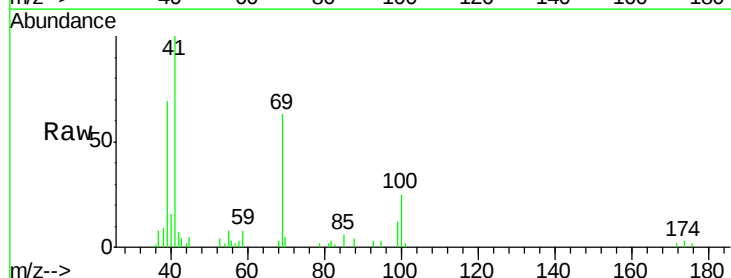
Tgt Ion: 41 Resp: 101291

Ion Ratio Lower Upper

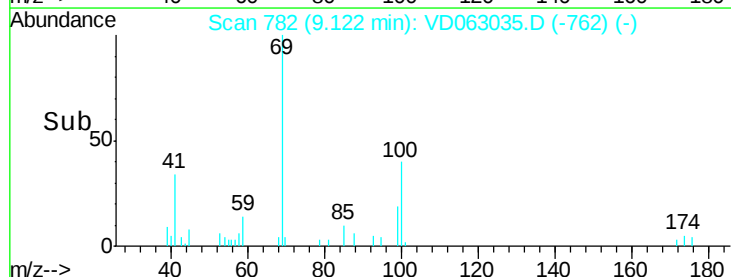
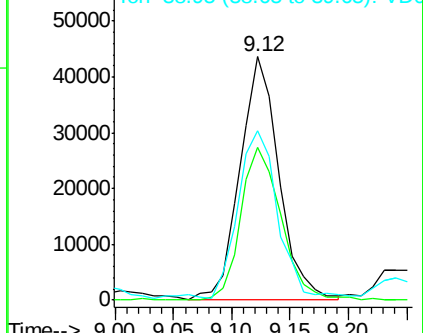
41 100

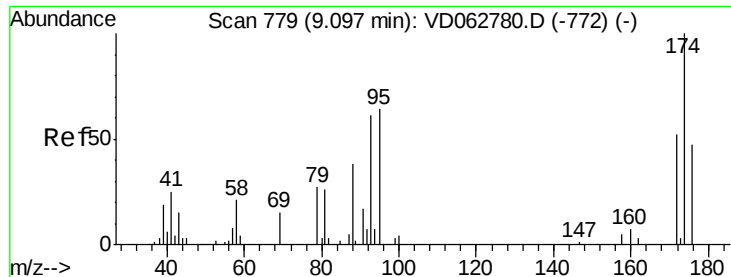
69 63.0 47.2 70.8

39 69.3 57.4 86.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

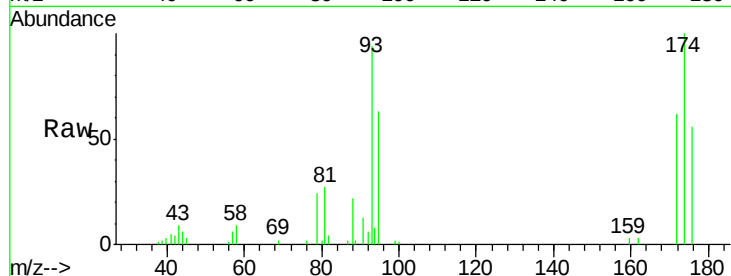




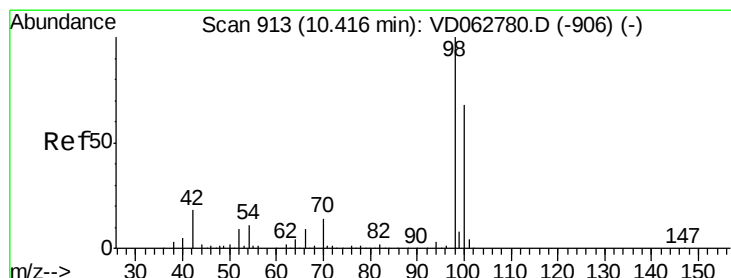
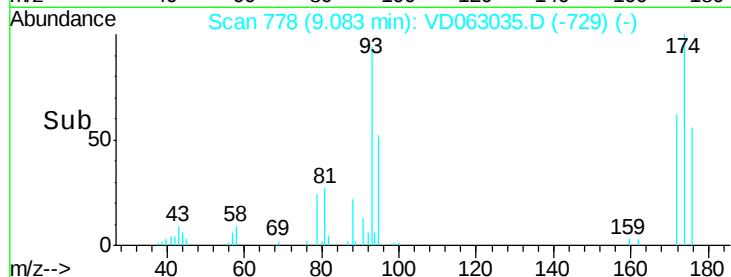
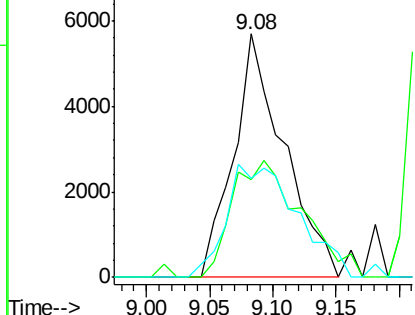
#49
1,4-Dioxane
Concen: 422.639 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS02

Tot Ion: 88 Resp: 15774
Ion Ratio Lower Upper
88 100
43 39.9 32.1 48.1
58 40.7 44.1 66.1#

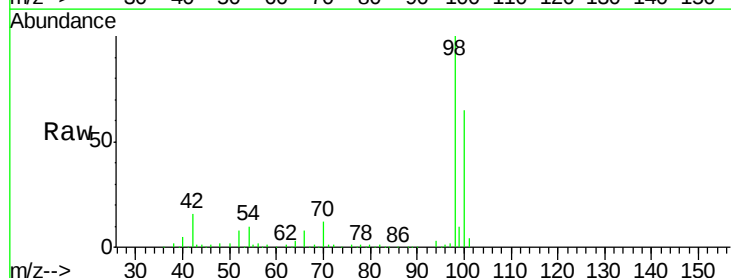


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

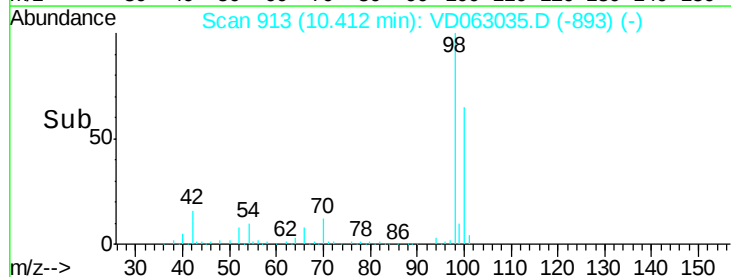
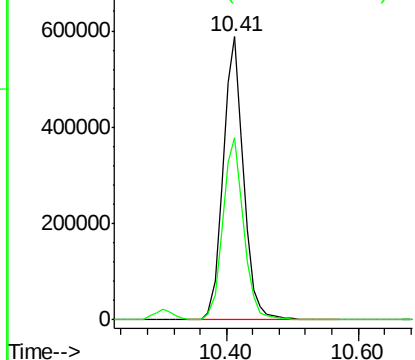


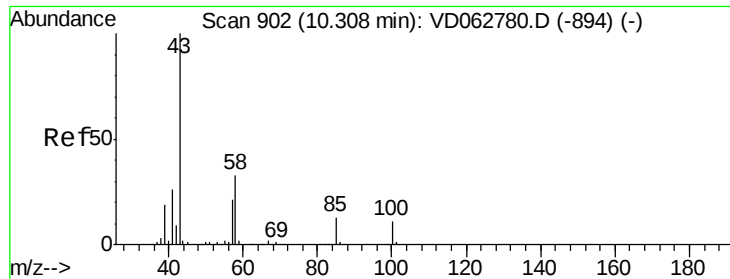
#50
Toluene-d8
Concen: 54.430 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

Tgt Ion: 98 Resp: 1270594
Ion Ratio Lower Upper
98 100
100 64.6 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 108.452 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

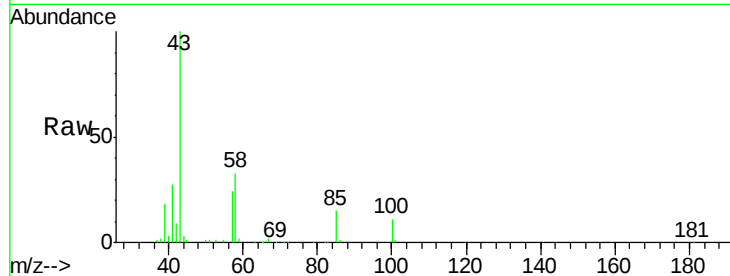
VD0708SBS02

Tot Ion: 43 Resp: 485405

Ion Ratio Lower Upper

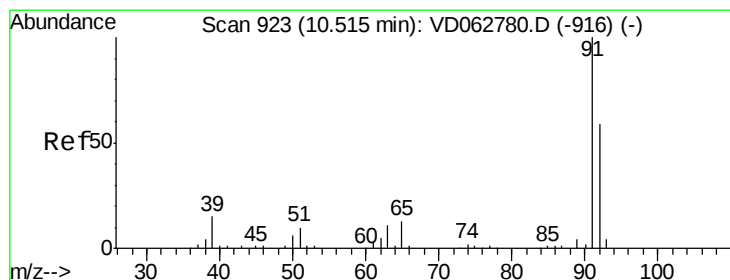
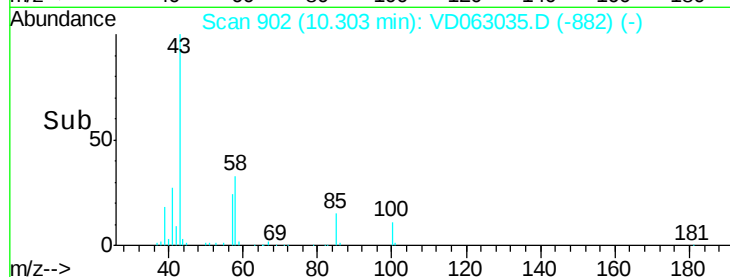
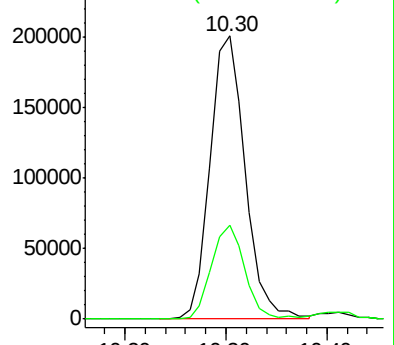
43 100

58 33.4 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.409 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD063035.D

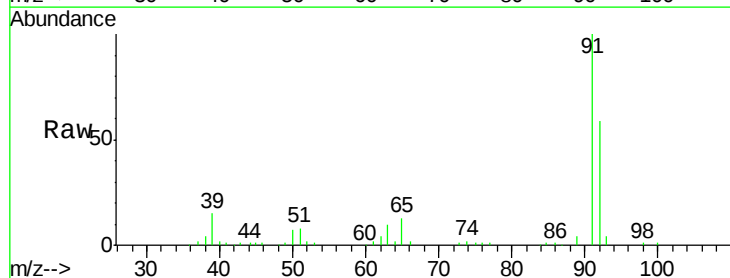
Acq: 8 Jul 2019 14:43

Tgt Ion: 92 Resp: 364089

Ion Ratio Lower Upper

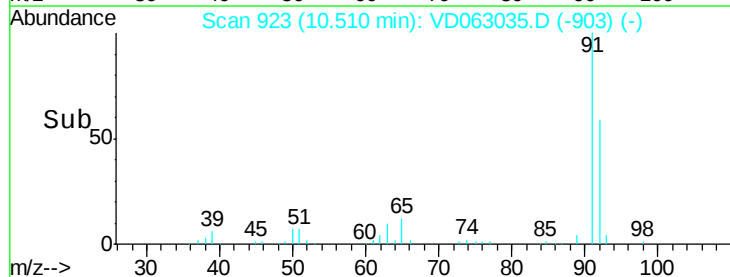
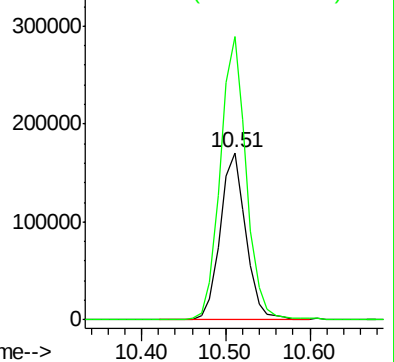
92 100

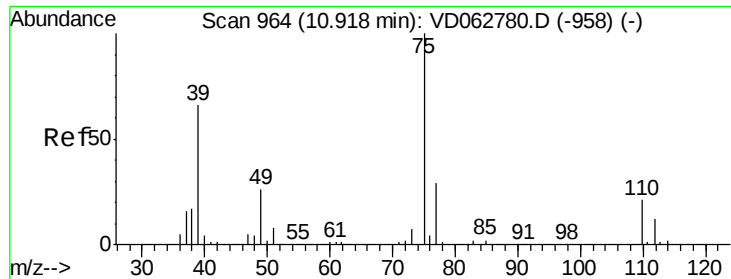
91 169.0 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.082 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

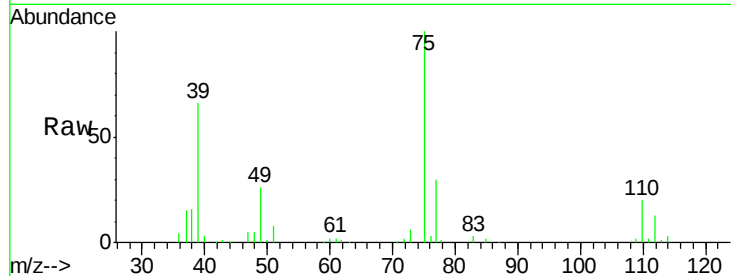
VD0708SBSD02

Tot Ion: 75 Resp: 231370

Ion Ratio Lower Upper

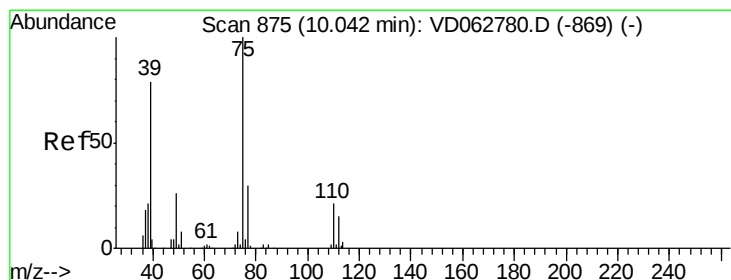
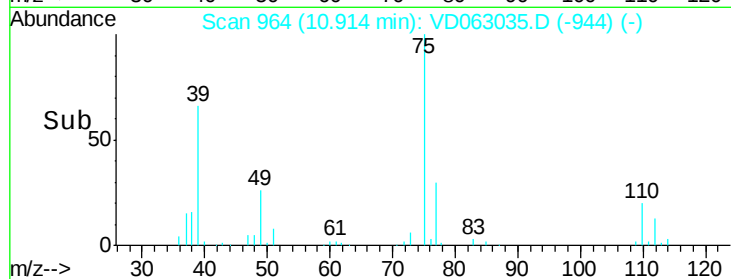
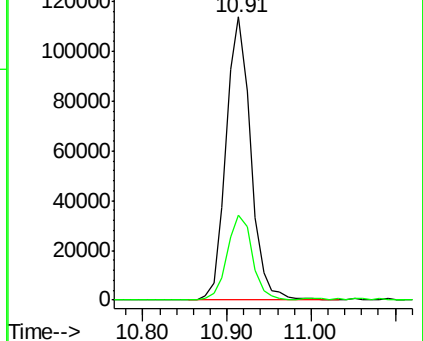
75 100

77 29.8 23.2 34.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.440 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

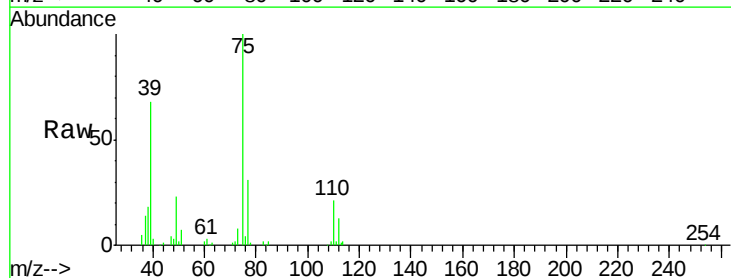
Tgt Ion: 75 Resp: 255747

Ion Ratio Lower Upper

75 100

77 31.4 24.2 36.2

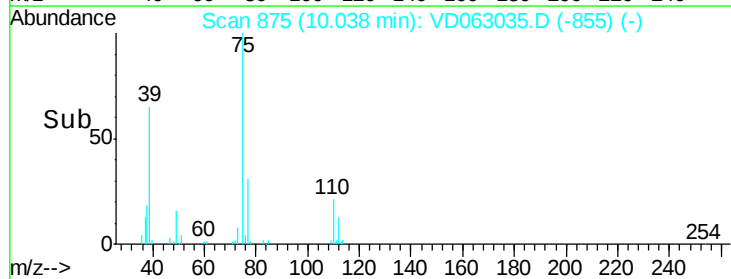
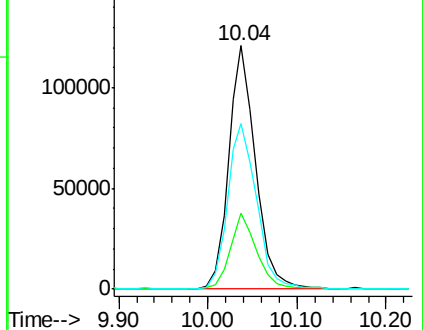
39 68.0 63.5 95.3

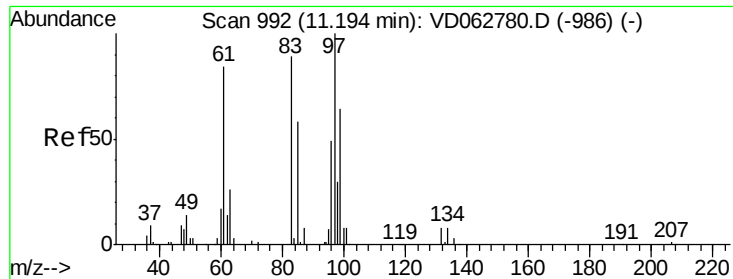


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

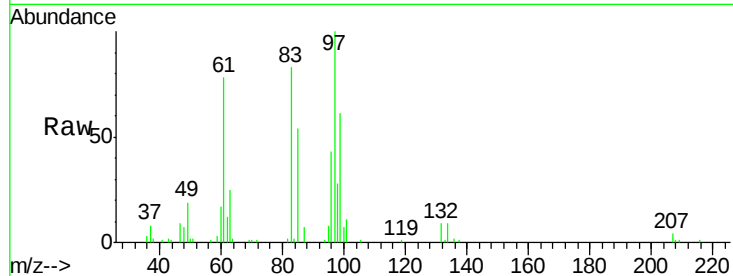




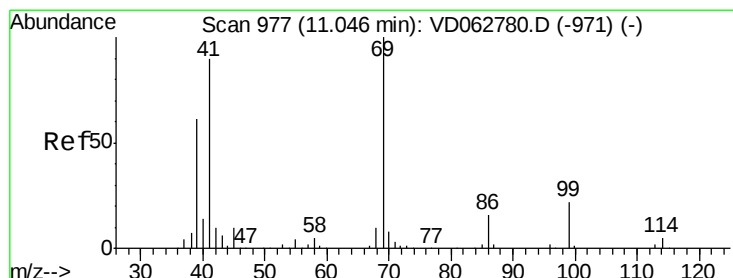
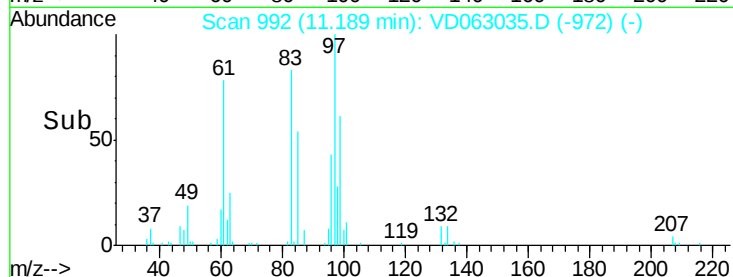
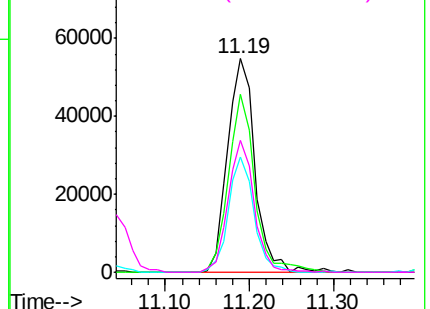
#55
 1,1,2-Trichloroethane
 Concen: 22.322 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS02

Tot Ion: 97 Resp: 124602
 Ion Ratio Lower Upper
 97 100
 83 83.3 71.0 106.4
 85 53.8 46.6 69.8
 99 61.5 51.4 77.0

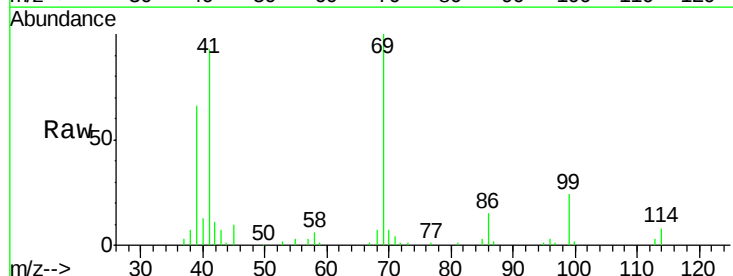


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

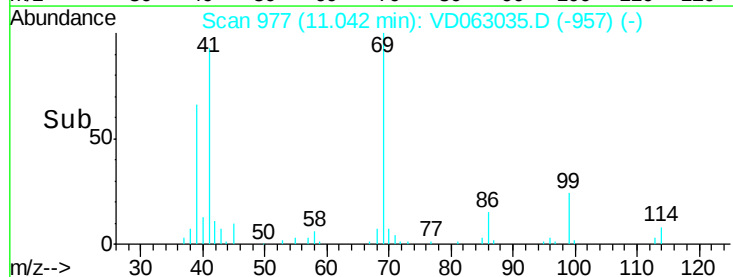
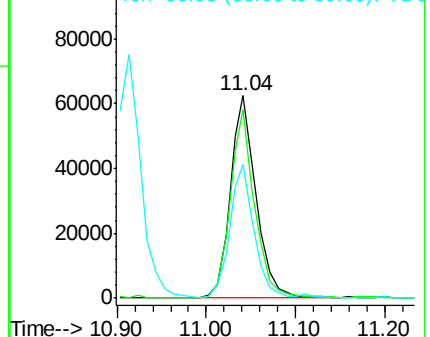


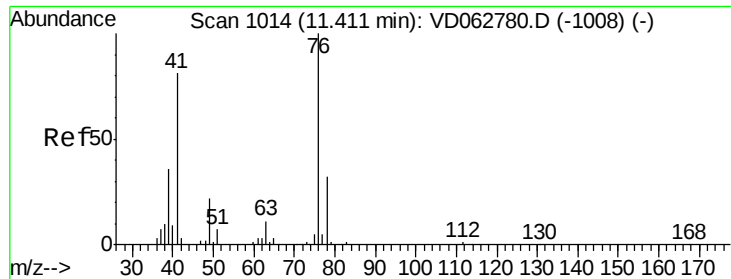
#56
 Ethyl methacrylate
 Concen: 21.104 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

Tgt Ion: 69 Resp: 125893
 Ion Ratio Lower Upper
 69 100
 41 93.1 72.0 108.0
 39 66.1 49.5 74.3



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.536 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

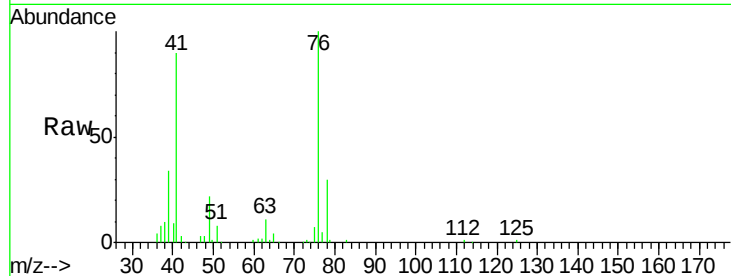
VD0708SBS02

Tot Ion: 76 Resp: 184063

Ion Ratio Lower Upper

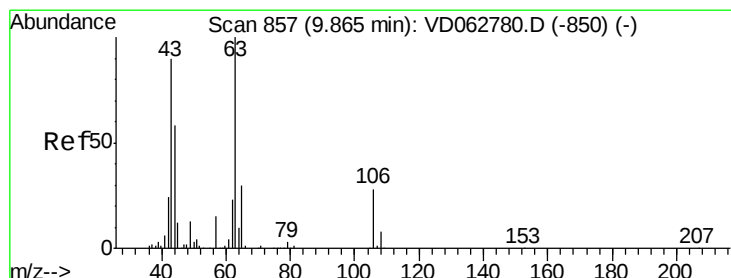
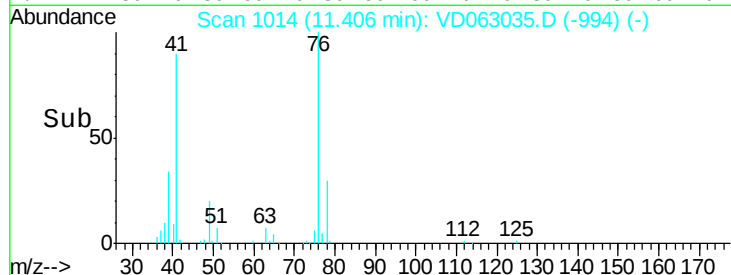
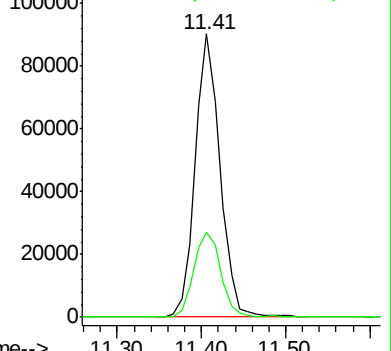
76 100

78 29.9 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 114.846 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD063035.D

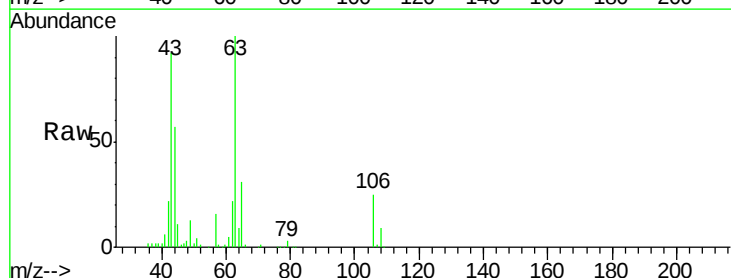
Acq: 8 Jul 2019 14:43

Tgt Ion: 63 Resp: 351723

Ion Ratio Lower Upper

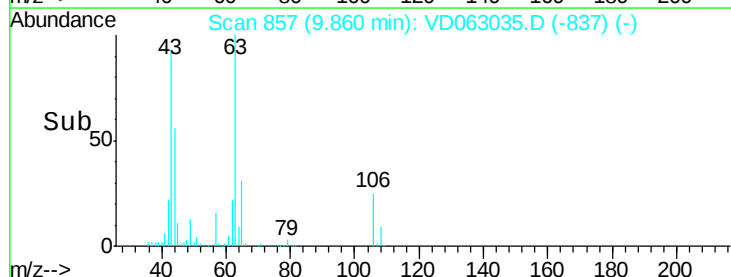
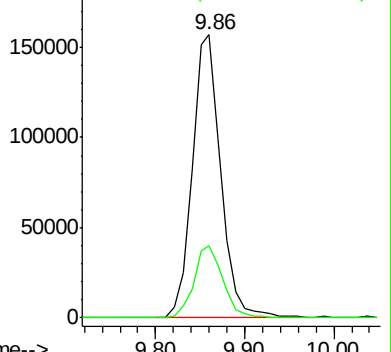
63 100

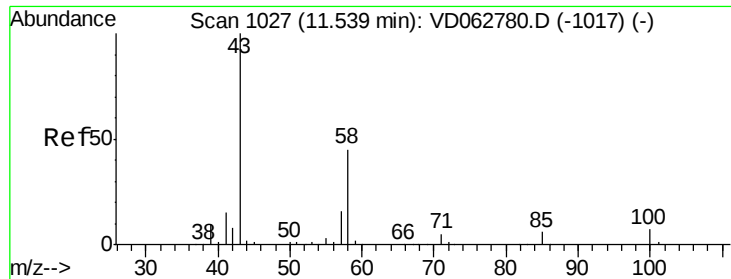
106 25.5 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

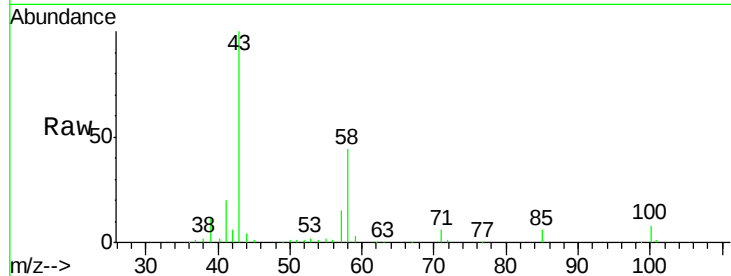




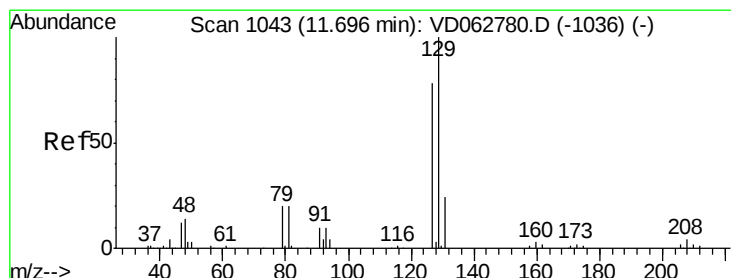
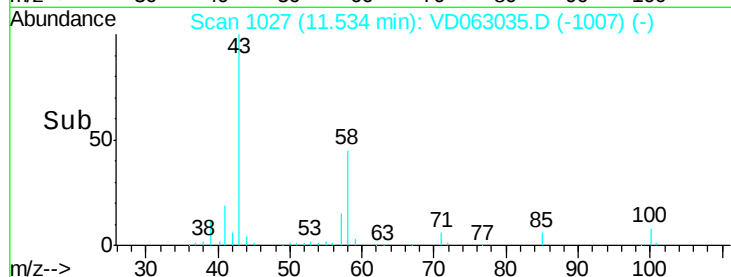
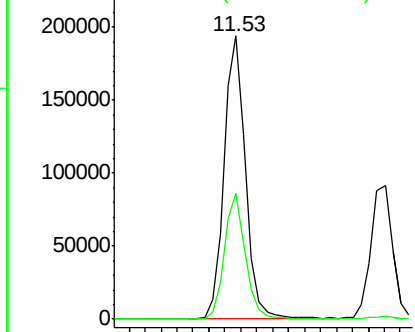
#59
2-Hexanone
Concen: 115.560 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBSD02

Tot Ion: 43 Resp: 368356
Ion Ratio Lower Upper
43 100
58 44.4 22.4 67.2

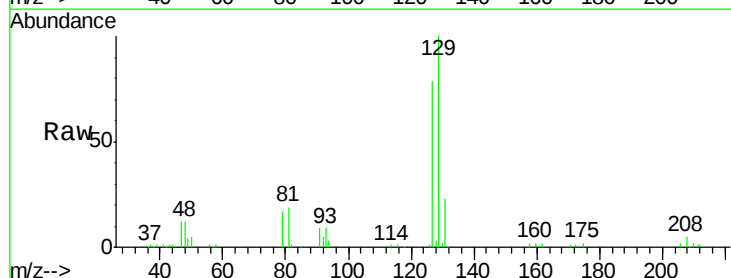


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

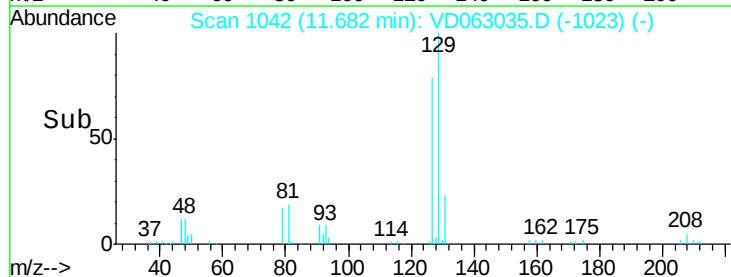
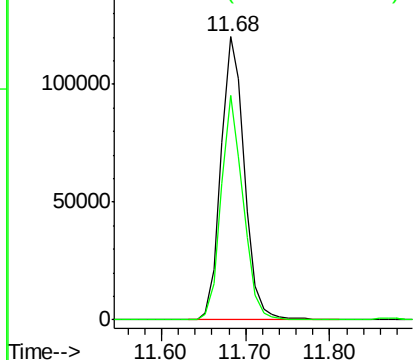


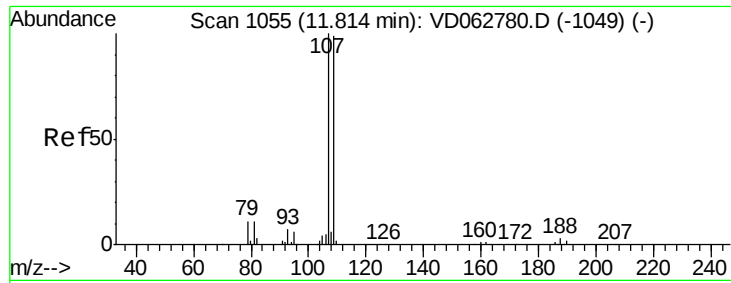
#60
Dibromochloromethane
Concen: 22.298 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

Tgt Ion: 129 Resp: 231843
Ion Ratio Lower Upper
129 100
127 79.2 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 21.971 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

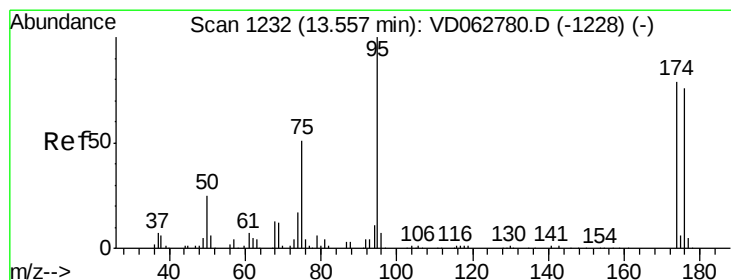
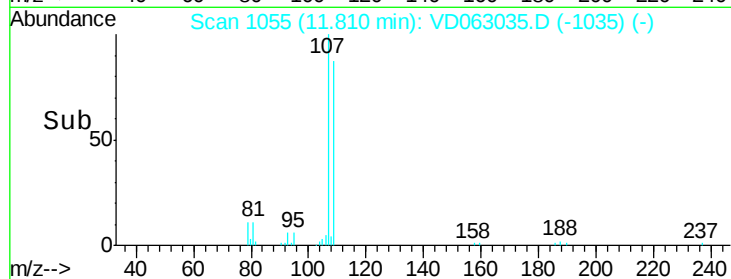
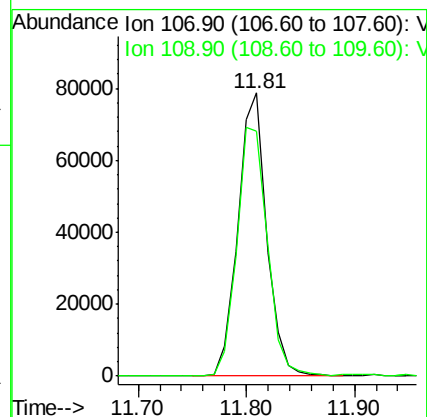
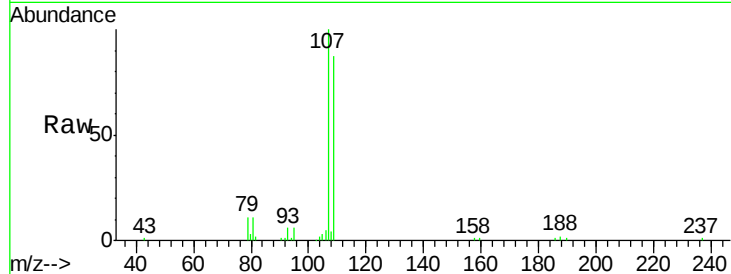
VD0708SBSD02

Tot Ion:107 Resp: 144849

Ion Ratio Lower Upper

107 100

109 86.5 79.3 118.9



#62

4-Bromofluorobenzene

Concen: 54.755 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

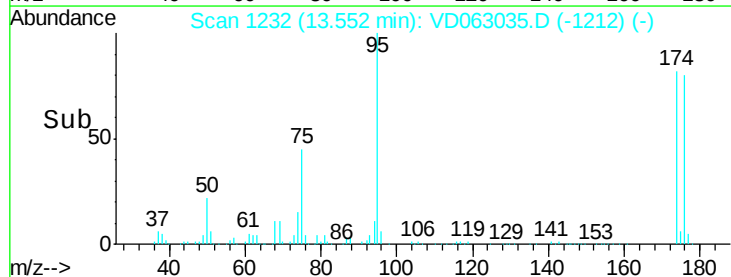
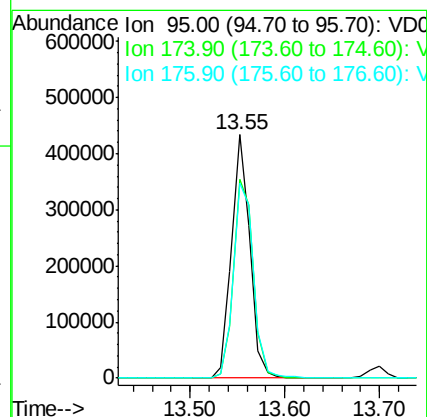
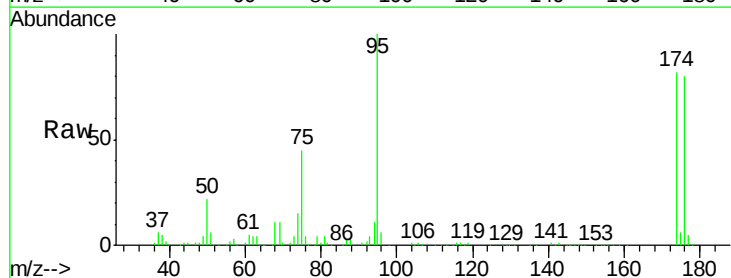
Tgt Ion: 95 Resp: 581199

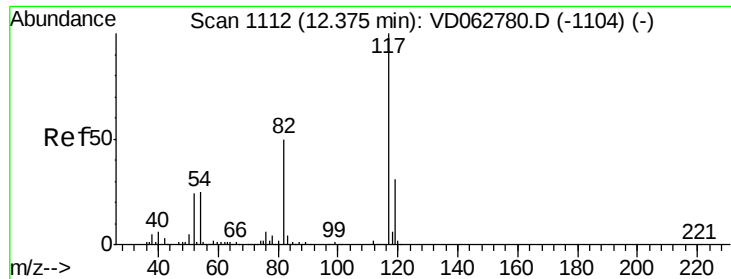
Ion Ratio Lower Upper

95 100

174 81.5 0.0 158.0

176 80.3 0.0 151.6

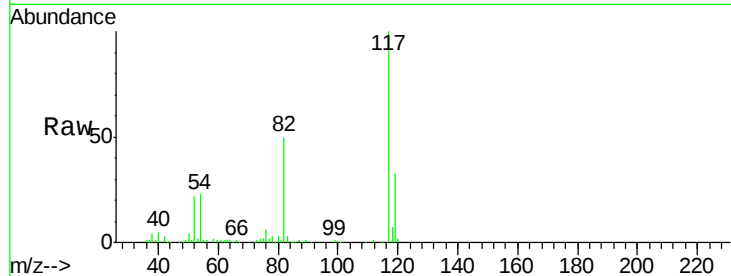




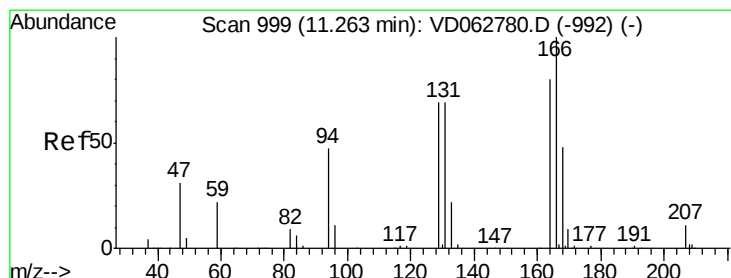
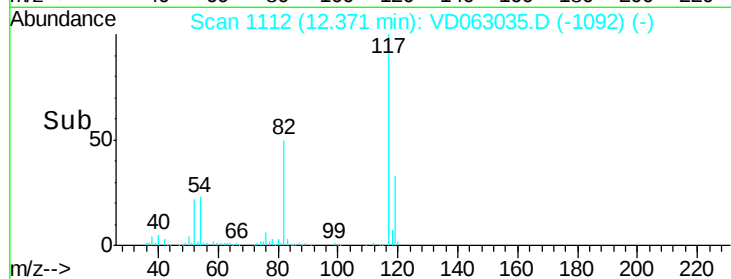
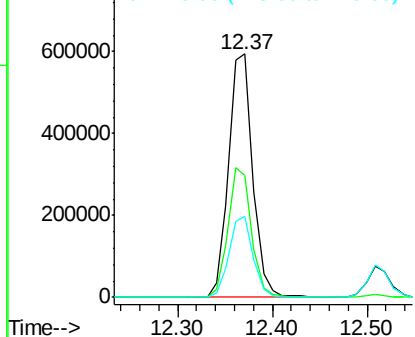
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBSD02

Tot Ion:117 Resp: 1052460
Ion Ratio Lower Upper
117 100
82 50.3 40.4 60.6
119 33.1 25.2 37.8

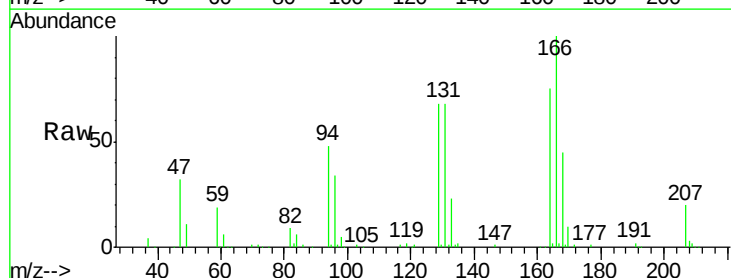


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

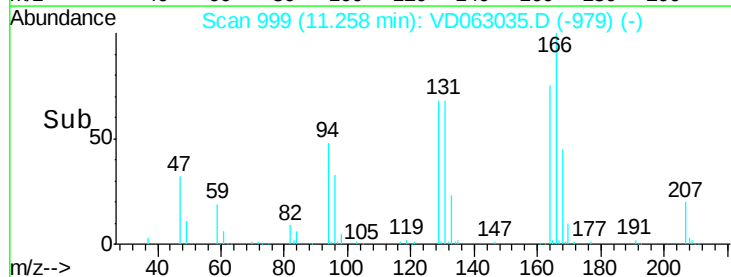
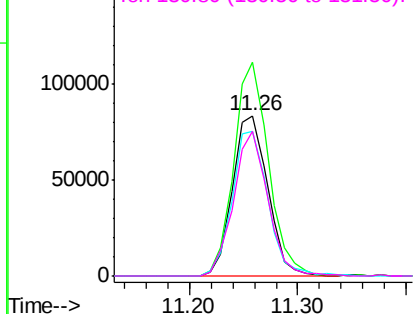


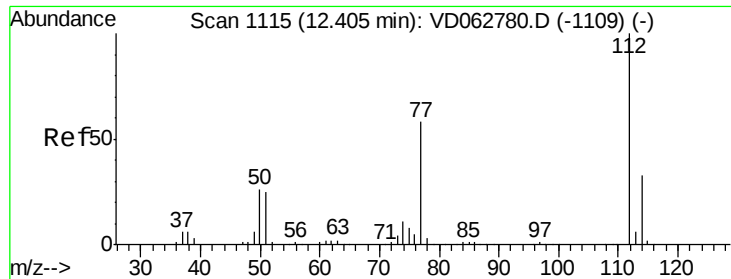
#64
Tetrachloroethene
Concen: 21.809 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

Tgt Ion:164 Resp: 188909
Ion Ratio Lower Upper
164 100
166 133.1 100.6 150.8
129 90.2 69.4 104.0
131 90.4 69.3 103.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

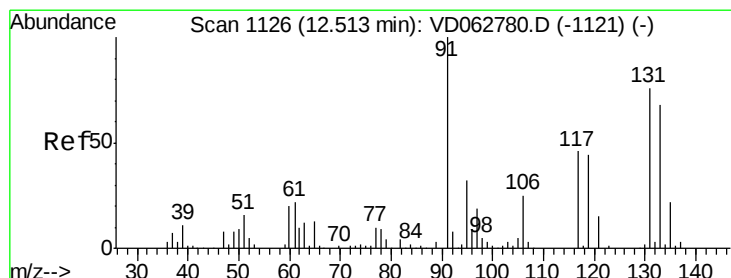
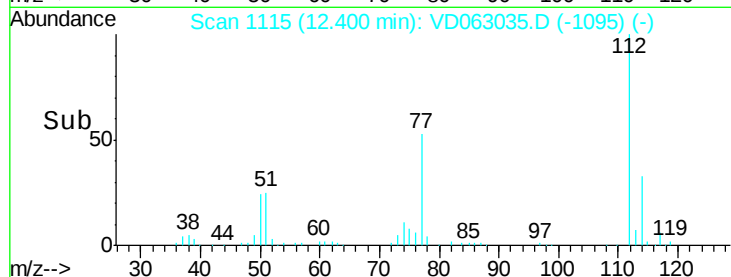
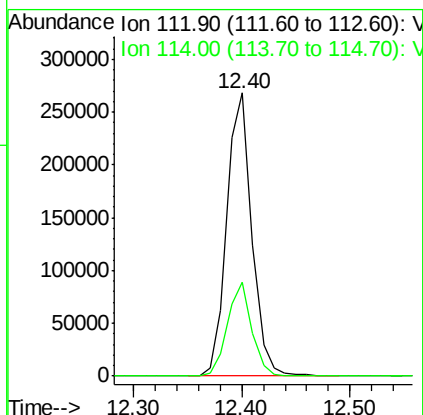
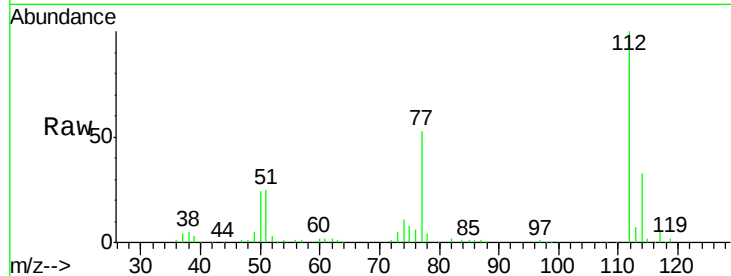




#65
Chlorobenzene
Concen: 22.198 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

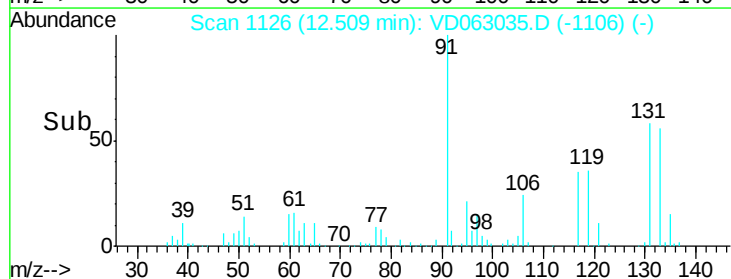
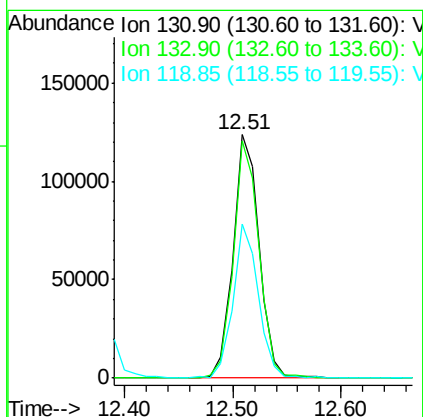
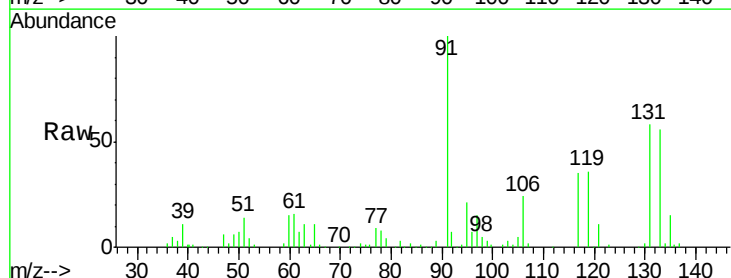
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBSD02

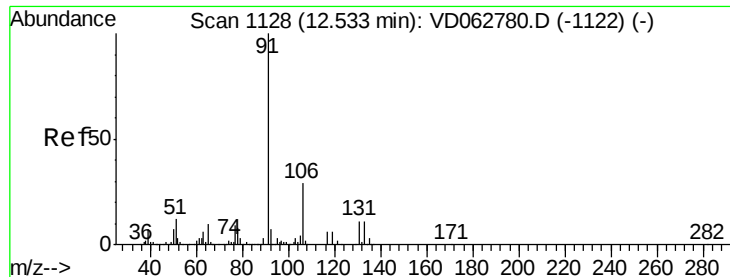
Tot Ion:112 Resp: 433576
Ion Ratio Lower Upper
112 100
114 33.3 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 22.550 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

Tgt Ion:131 Resp: 205984
Ion Ratio Lower Upper
131 100
133 97.5 44.5 133.3
119 63.2 28.6 85.9

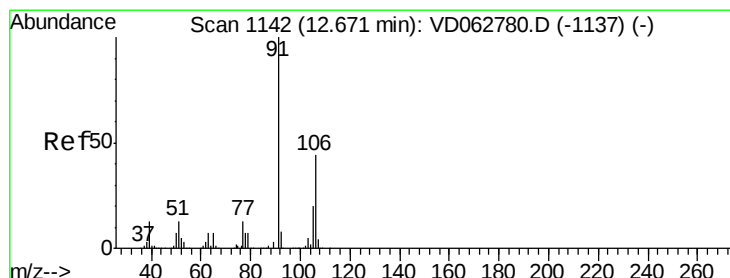
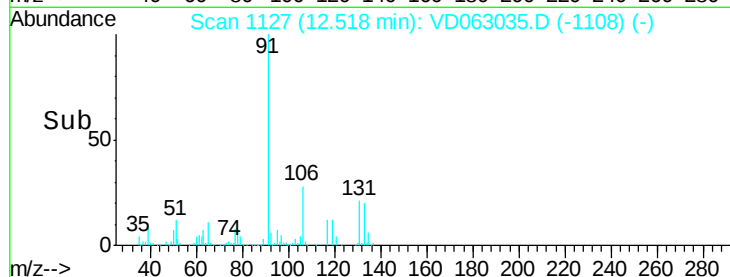
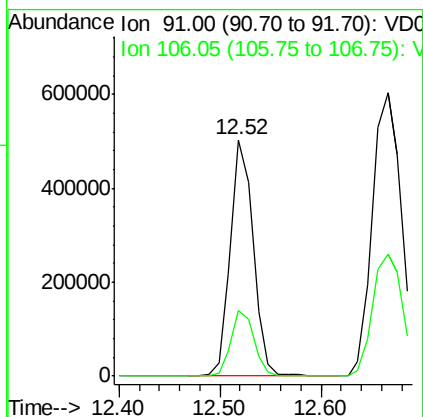
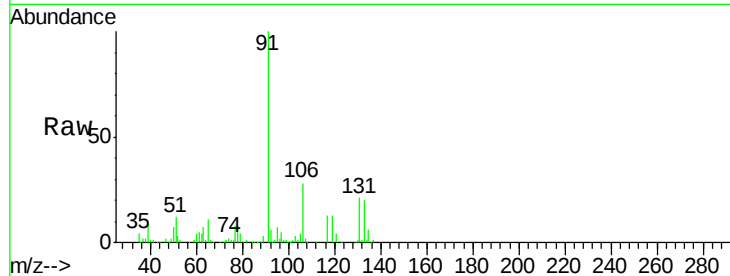




#67
Ethyl Benzene
Concen: 22.575 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

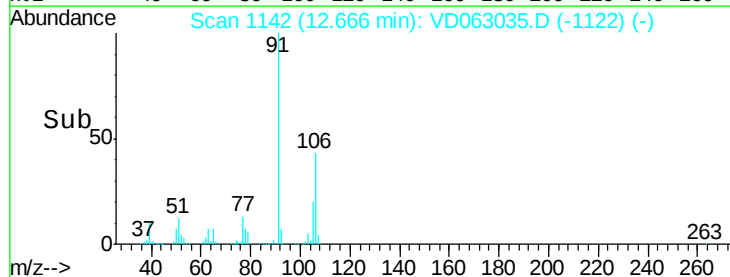
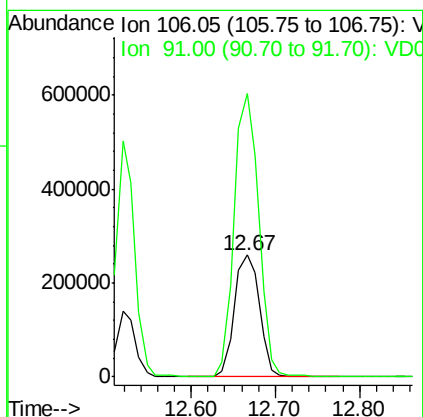
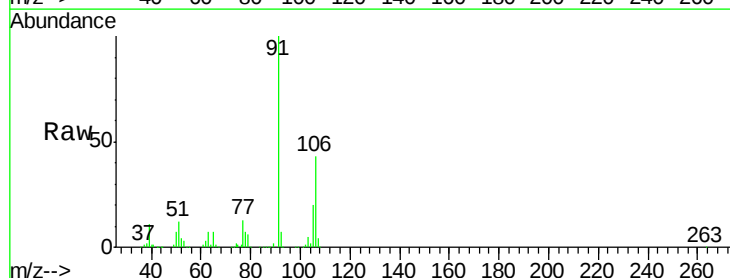
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS02

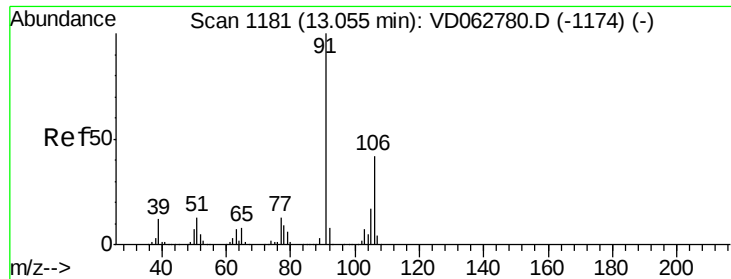
Tot Ion: 91 Resp: 791681
Ion Ratio Lower Upper
91 100
106 27.9 23.1 34.7



#68
m/p-Xylenes
Concen: 44.151 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

Tgt Ion: 106 Resp: 539267
Ion Ratio Lower Upper
106 100
91 232.3 183.0 274.6

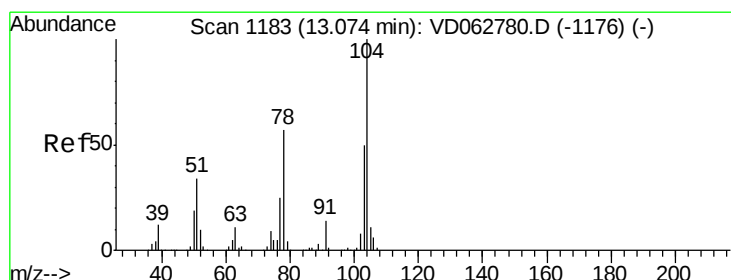
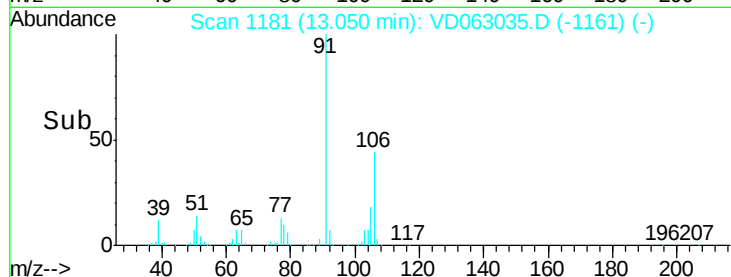
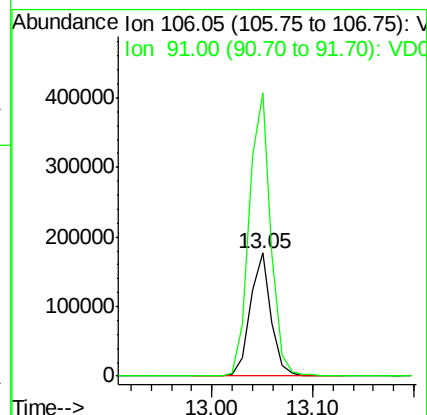
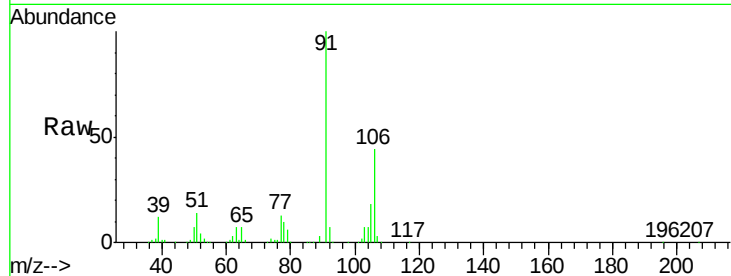




#69
o-Xylene
Concen: 22.757 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

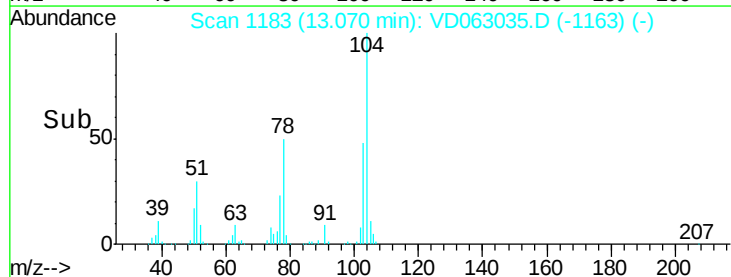
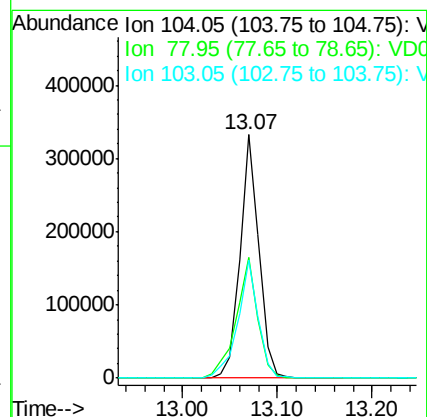
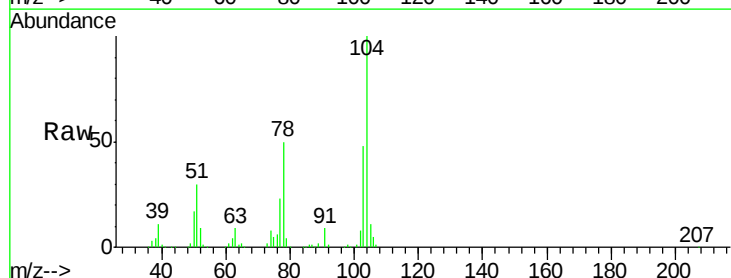
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBSD02

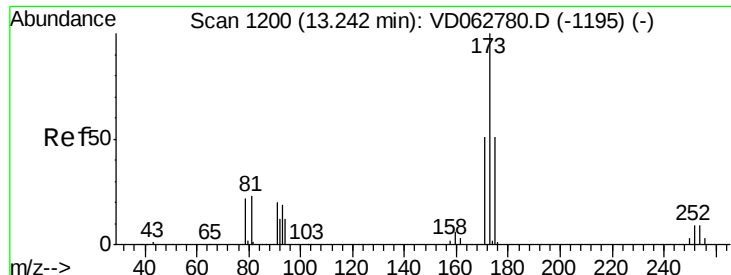
Tot Ion:106 Resp: 254087
Ion Ratio Lower Upper
106 100
91 229.7 117.9 353.6



#70
Styrene
Concen: 23.416 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063035.D
Acq: 8 Jul 2019 14:43

Tgt Ion:104 Resp: 459226
Ion Ratio Lower Upper
104 100
78 49.8 45.4 68.2
103 48.3 39.7 59.5





#71

Bromoform

Concen: 21.508 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS02

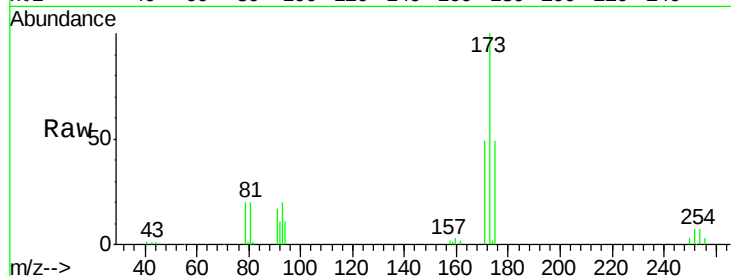
Tot Ion:173 Resp: 134604

Ion Ratio Lower Upper

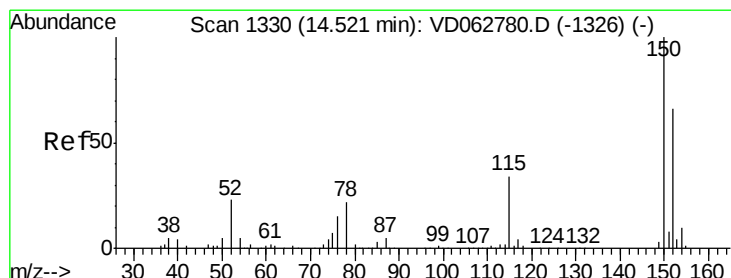
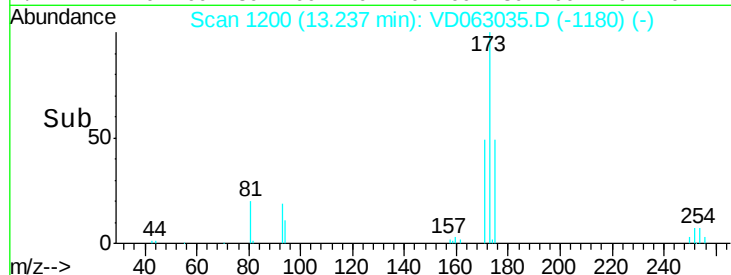
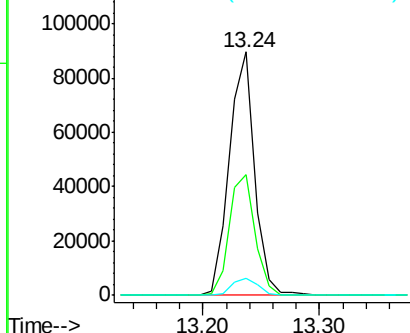
173 100

175 49.5 25.3 75.9

254 7.1 7.1 10.7#



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

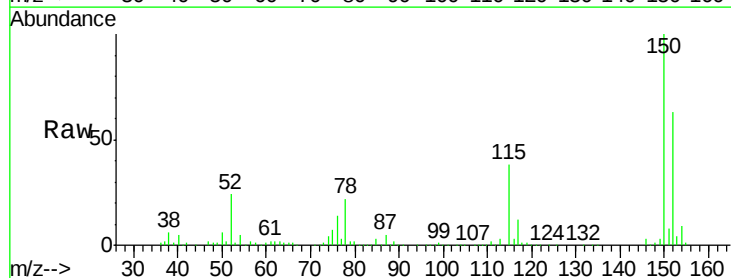
Tgt Ion:152 Resp: 520955

Ion Ratio Lower Upper

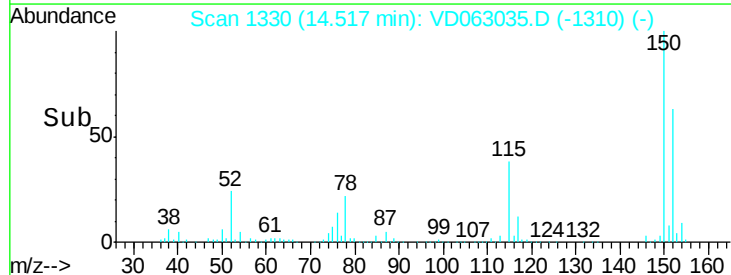
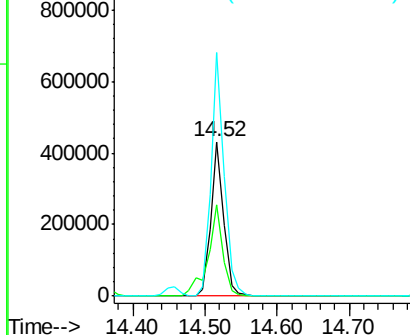
152 100

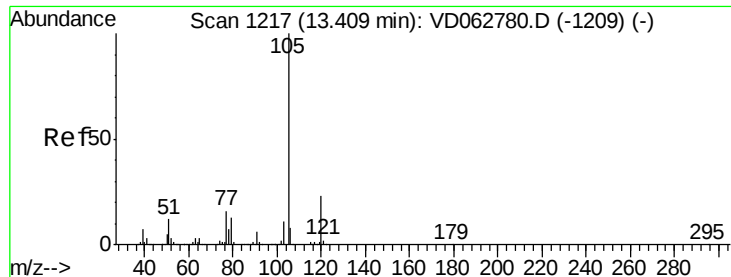
115 59.4 29.2 87.6

150 157.7 0.0 305.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 24.971 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

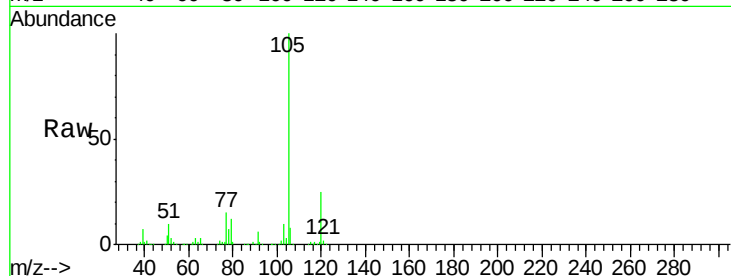
VD0708SBS02

Tot Ion:105 Resp: 834088

Ion Ratio Lower Upper

105 100

120 24.8 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

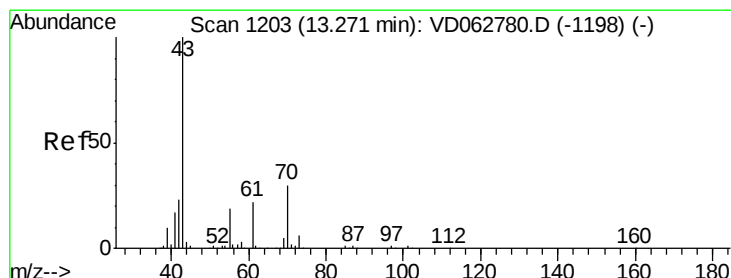
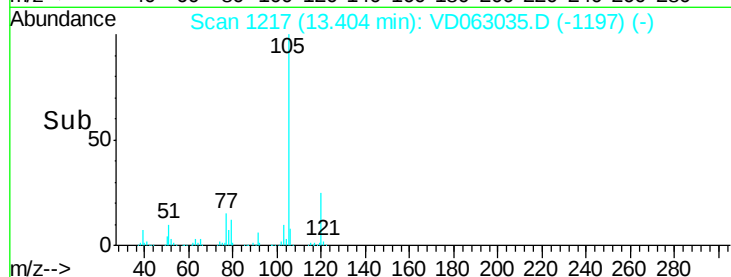
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 25.581 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Tgt Ion: 43 Resp: 207507

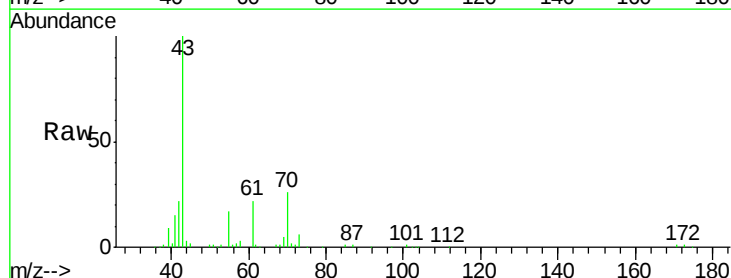
Ion Ratio Lower Upper

43 100

70 26.3 24.4 36.6

55 17.5 15.2 22.8

61 21.8 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.27

250000

200000

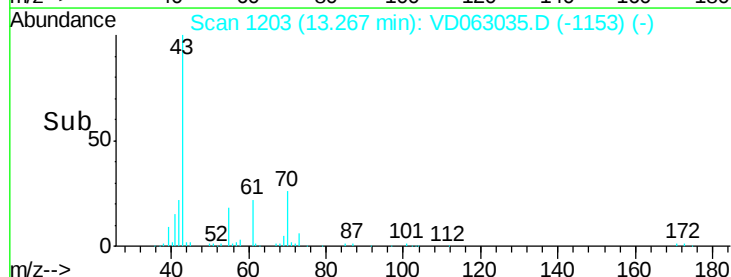
150000

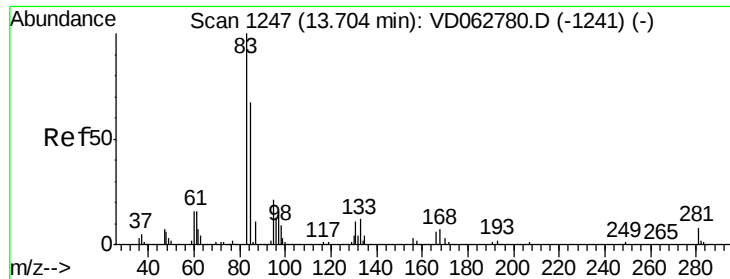
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 26.737 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBSD02

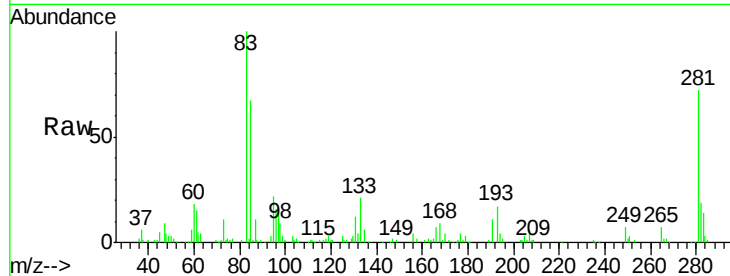
Tot Ion: 83 Resp: 145516

Ion Ratio Lower Upper

83 100

131 12.0 5.3 16.1

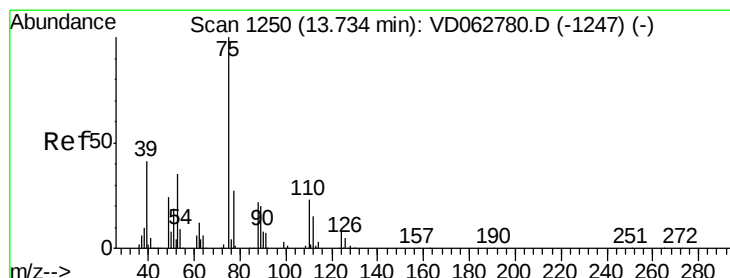
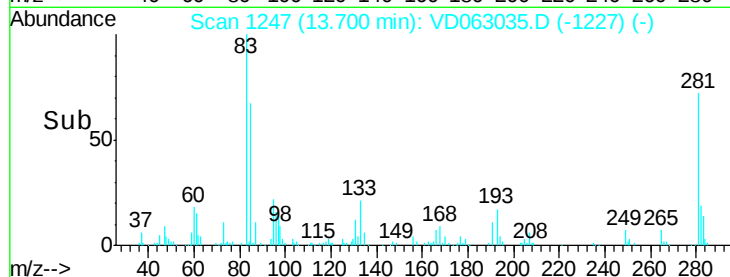
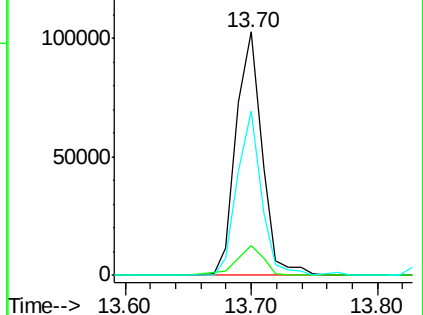
85 67.4 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 26.364 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063035.D

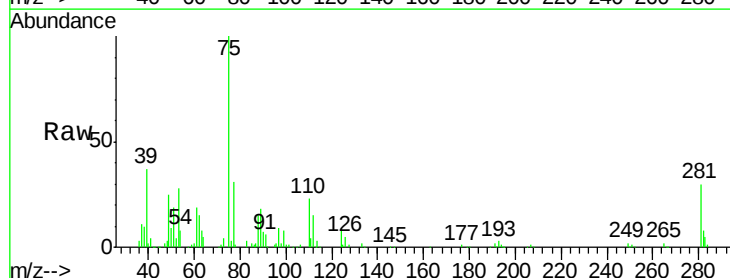
Acq: 8 Jul 2019 14:43

Tgt Ion: 75 Resp: 158555

Ion Ratio Lower Upper

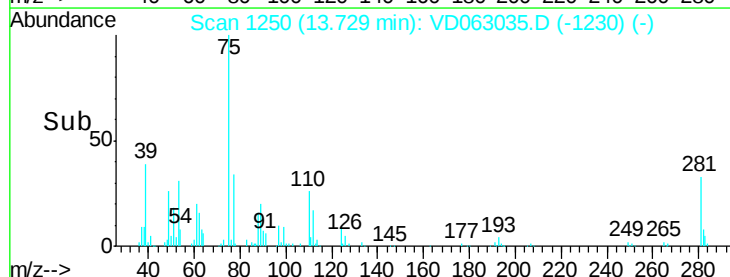
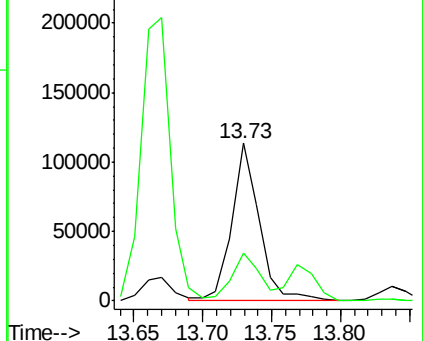
75 100

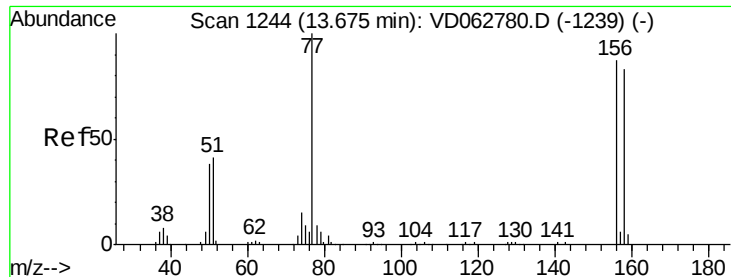
77 30.7 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 24.735 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBSD02

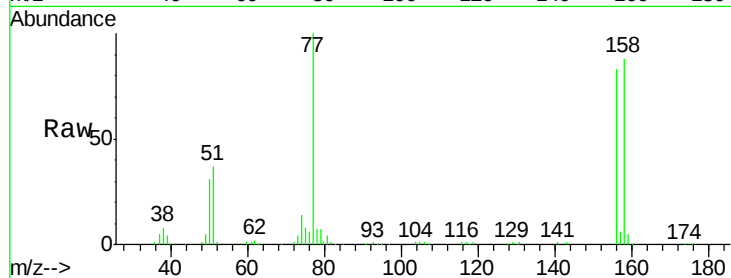
Tot Ion:156 Resp: 222231

Ion Ratio Lower Upper

156 100

77 119.9 57.7 173.1

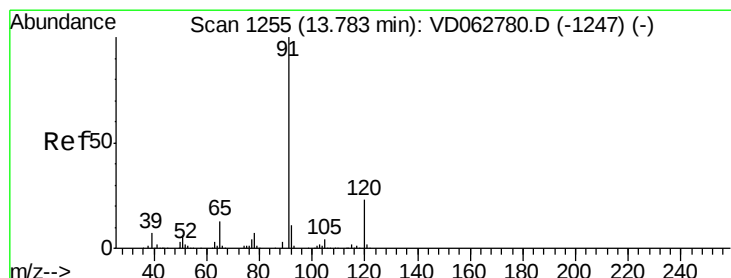
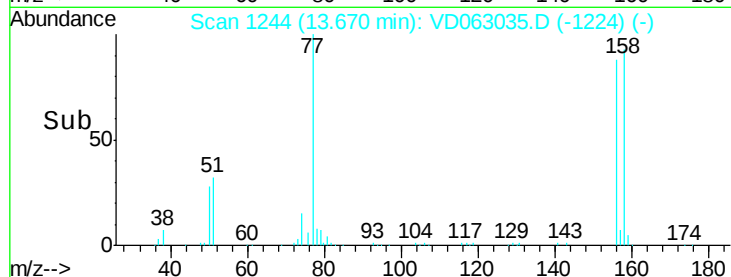
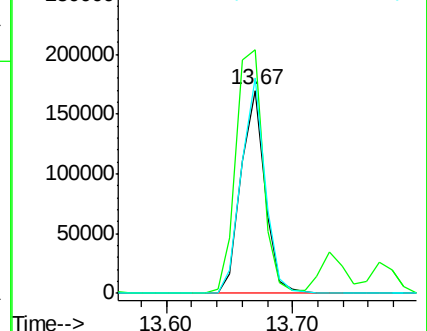
158 106.0 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.959 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063035.D

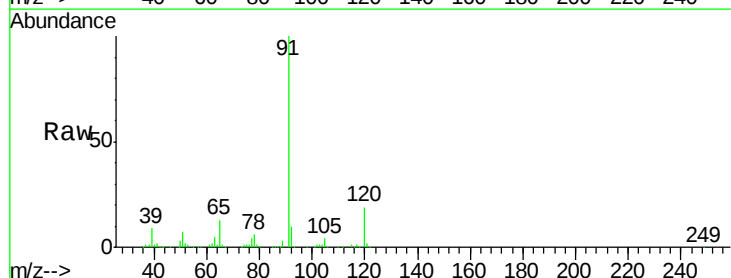
Acq: 8 Jul 2019 14:43

Tgt Ion: 91 Resp: 892591

Ion Ratio Lower Upper

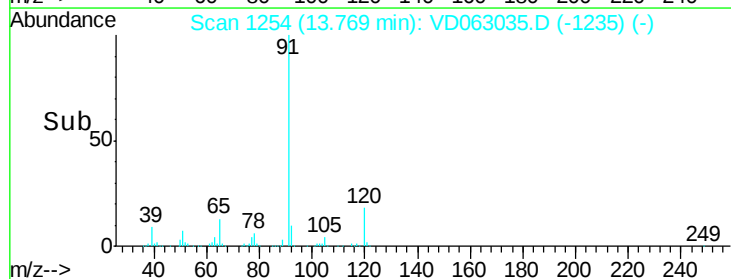
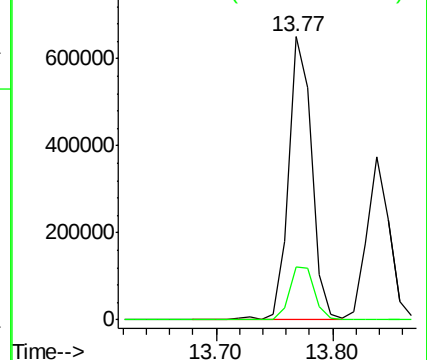
91 100

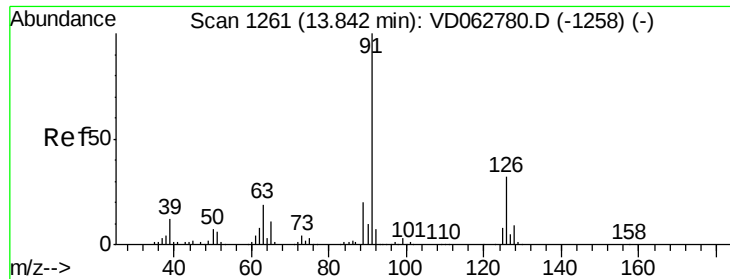
120 18.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.549 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

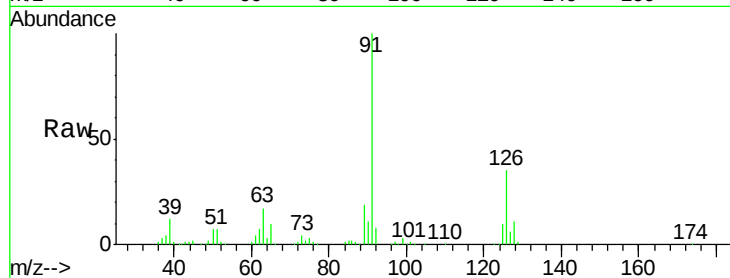
VD0708SBSD02

Tot Ion: 91 Resp: 500992

Ion Ratio Lower Upper

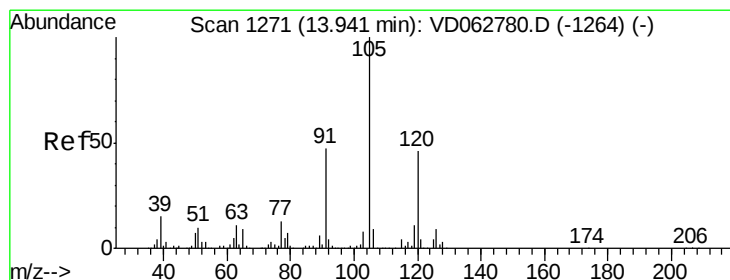
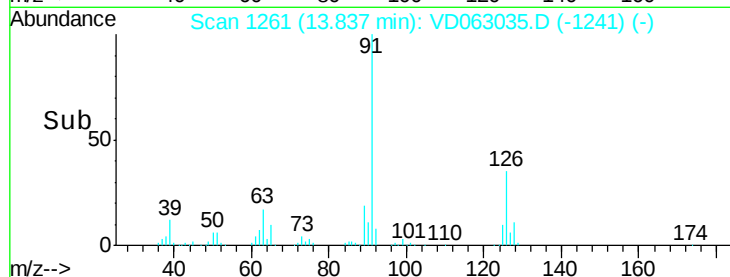
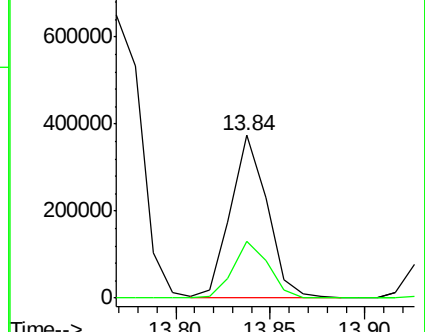
91 100

126 35.1 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 24.716 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063035.D

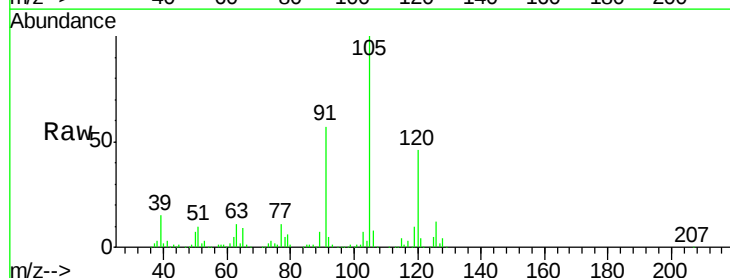
Acq: 8 Jul 2019 14:43

Tgt Ion: 105 Resp: 693464

Ion Ratio Lower Upper

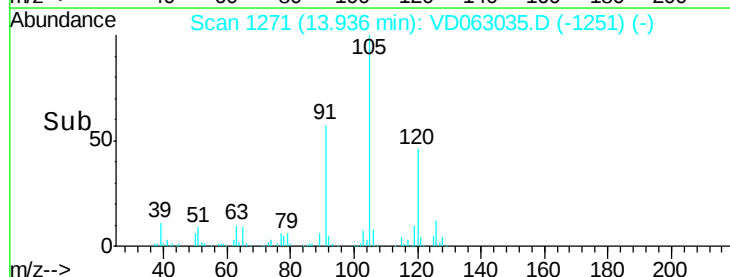
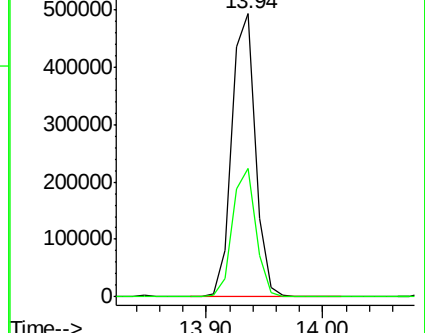
105 100

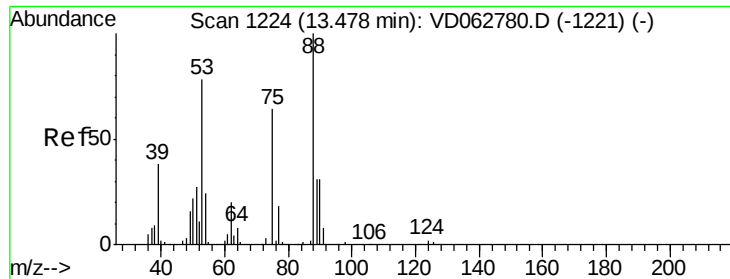
120 45.6 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.526 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBSD02

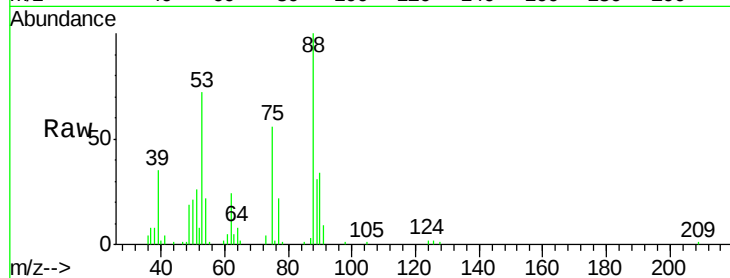
Tot Ion: 75 Resp: 33929

Ion Ratio Lower Upper

75 100

53 128.8 97.8 146.8

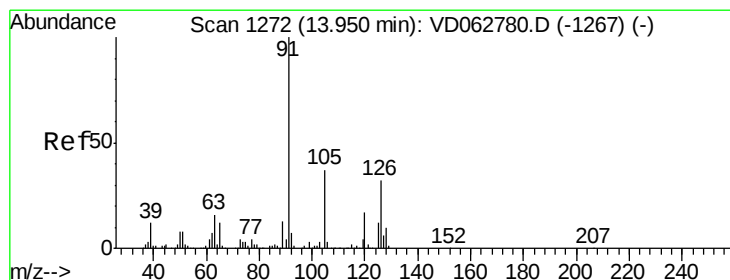
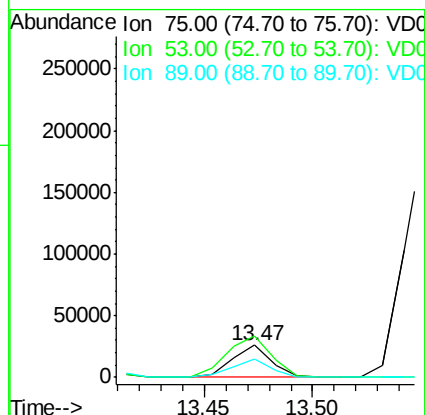
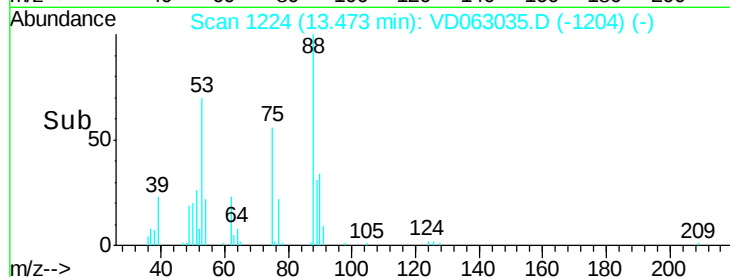
89 55.9 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 24.787 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063035.D

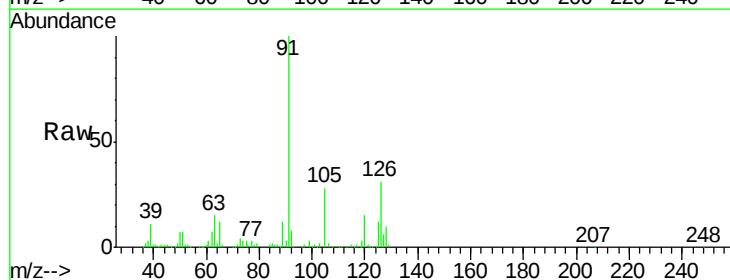
Acq: 8 Jul 2019 14:43

Tgt Ion: 91 Resp: 663016

Ion Ratio Lower Upper

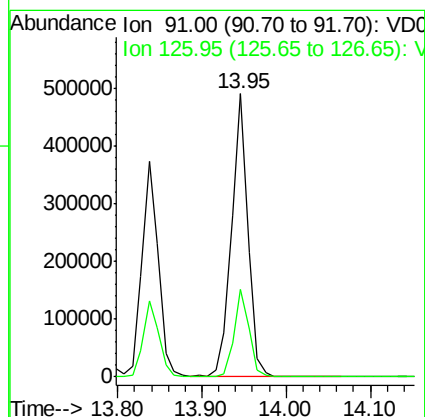
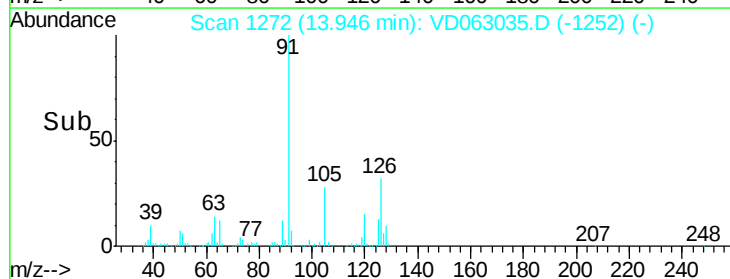
91 100

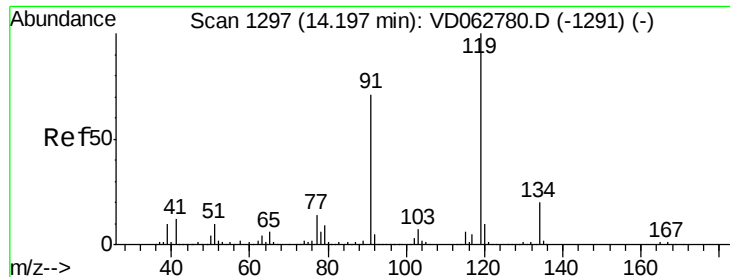
126 30.8 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

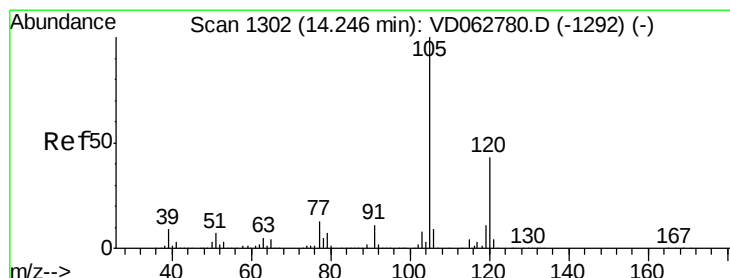
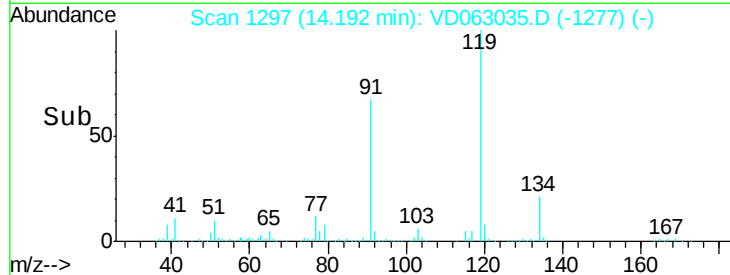
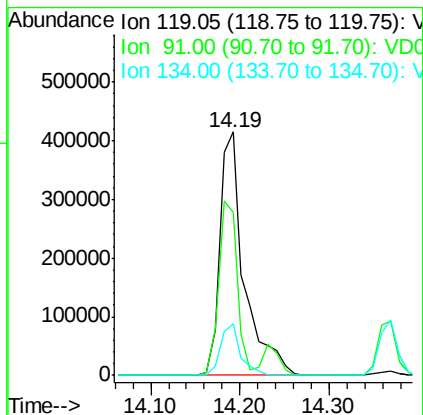
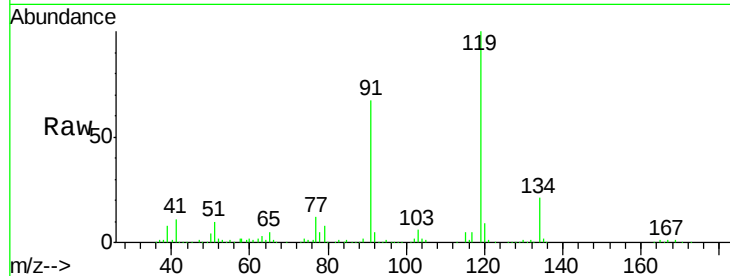




#83
 tert-Butylbenzene
 Concen: 25.227 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

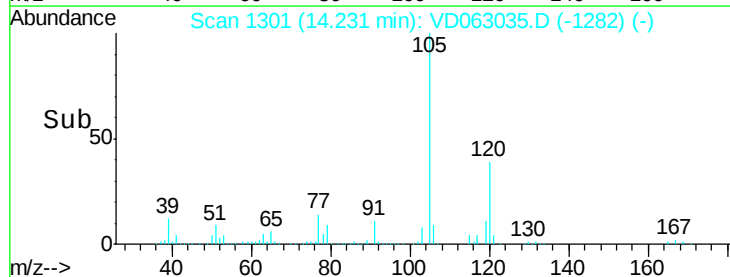
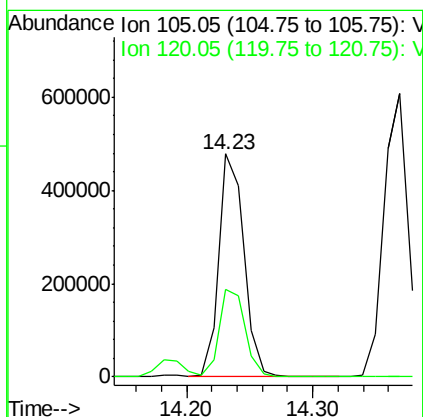
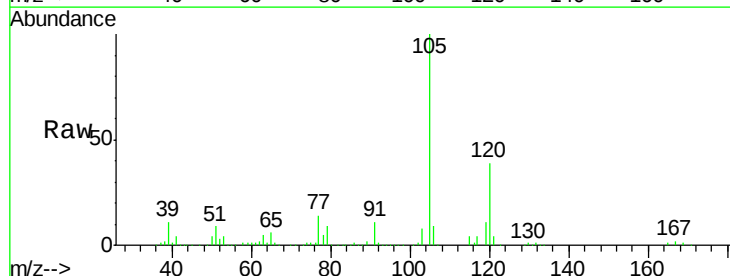
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBSD02

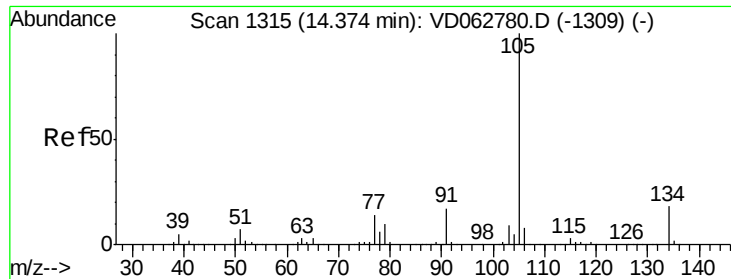
Tot Ion:119 Resp: 788945
 Ion Ratio Lower Upper
 119 100
 91 67.0 35.5 106.5
 134 21.1 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 23.009 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

Tgt Ion:105 Resp: 661687
 Ion Ratio Lower Upper
 105 100
 120 39.2 21.3 63.9

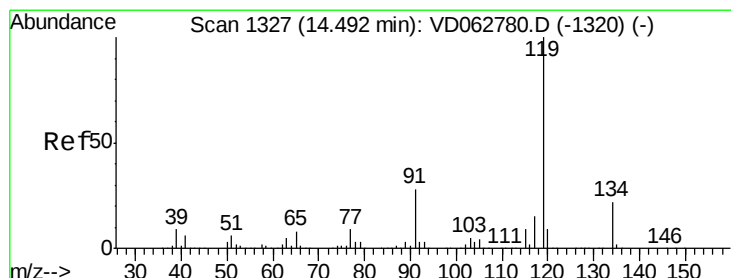
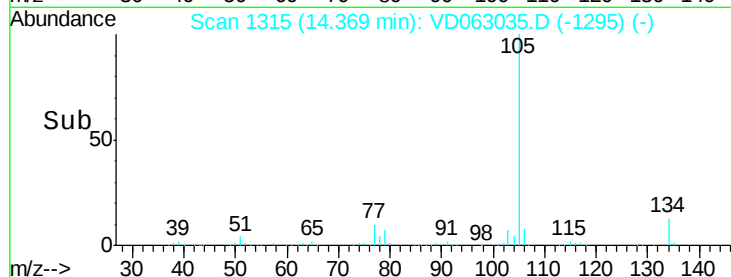
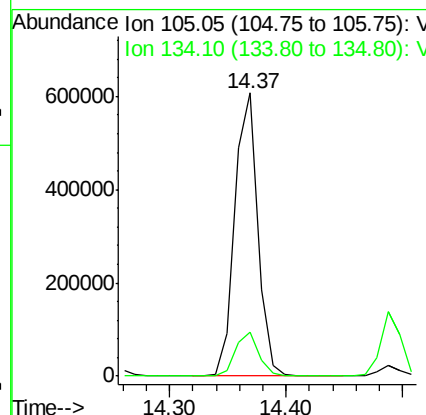
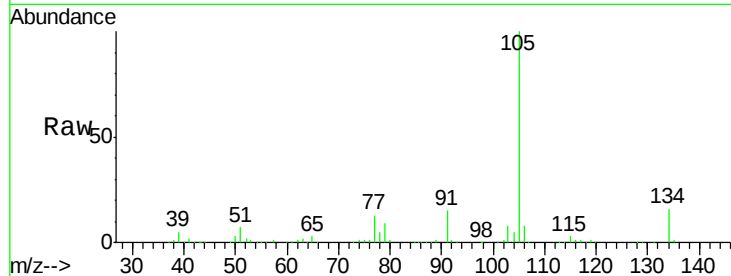




#85
 sec-Butylbenzene
 Concen: 24.472 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

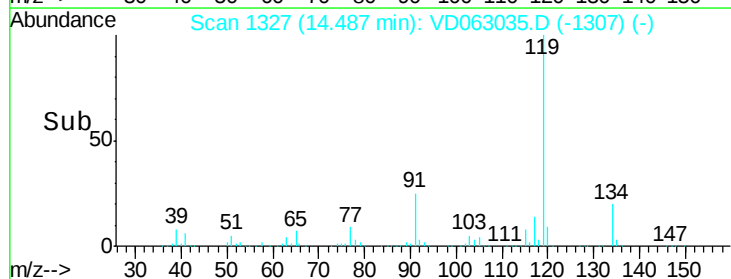
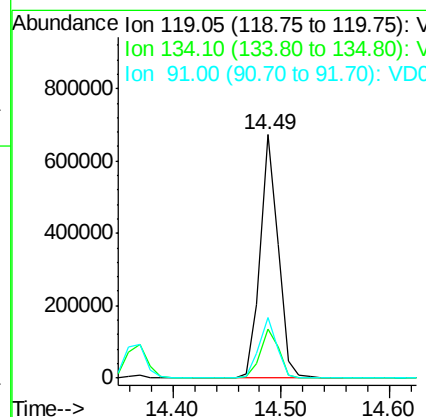
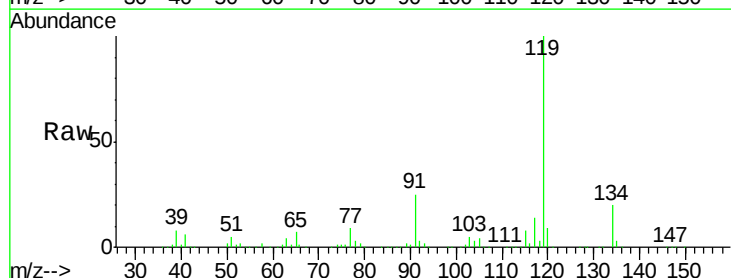
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBSD02

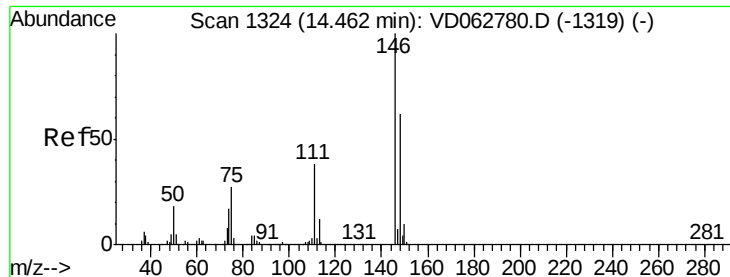
Tot Ion:105 Resp: 831807
 Ion Ratio Lower Upper
 105 100
 134 15.5 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 25.156 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

Tgt Ion:119 Resp: 782234
 Ion Ratio Lower Upper
 119 100
 134 20.4 11.1 33.1
 91 24.7 14.0 41.9

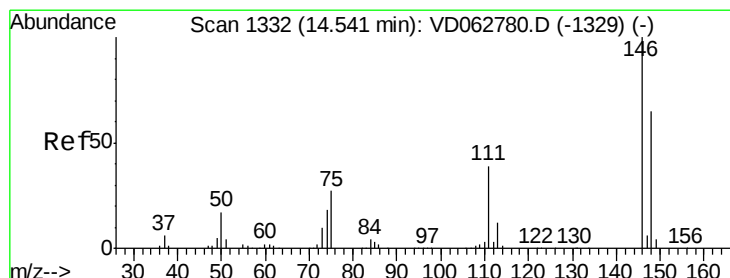
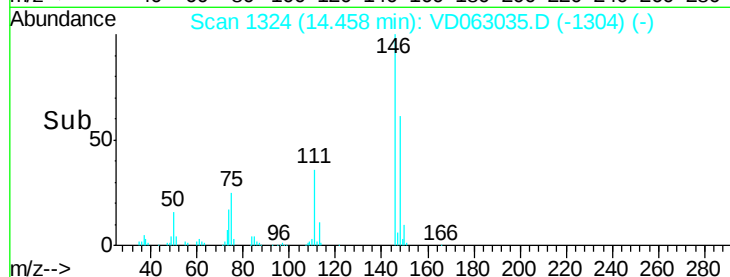
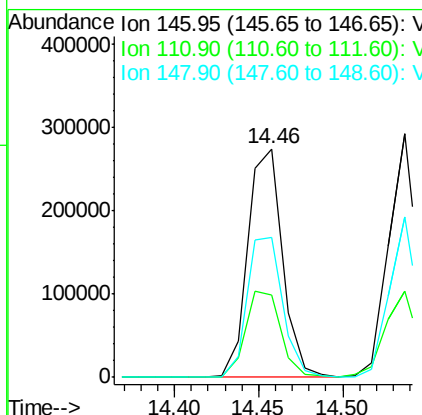
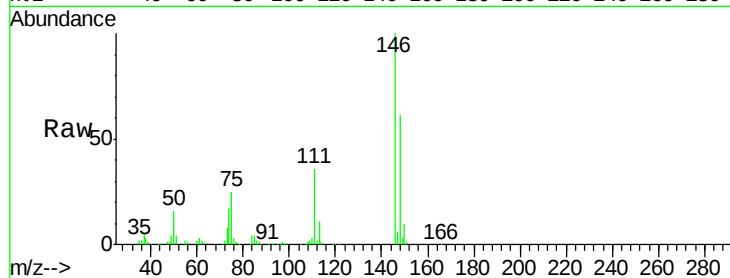




#87
 1,3-Dichlorobenzene
 Concen: 24.235 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

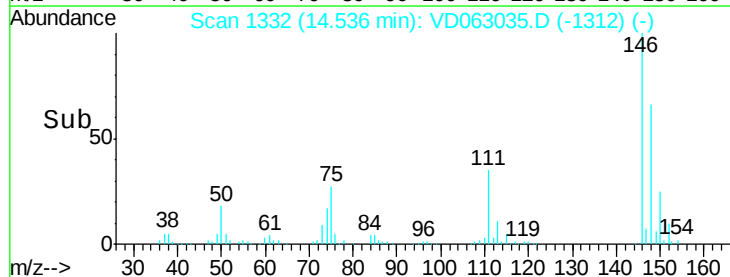
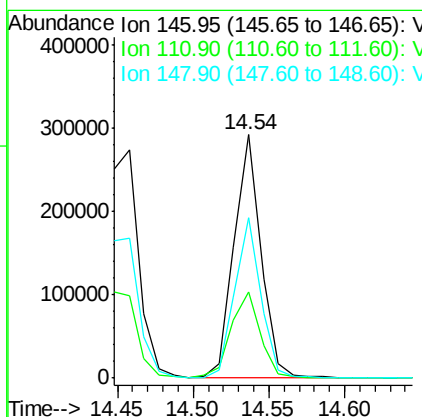
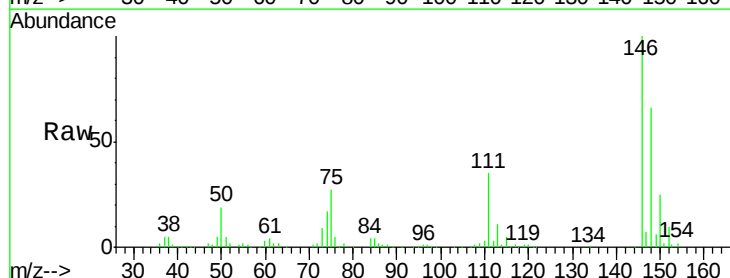
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS02

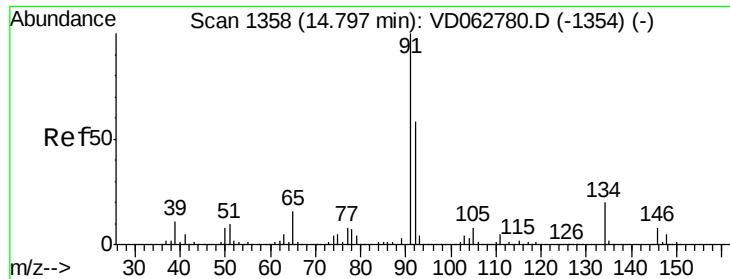
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	19.0	57.0
148	61.3	30.8	92.3



#88
 1,4-Dichlorobenzene
 Concen: 22.303 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	19.7	59.1
148	65.9	32.8	98.3





#89

n-Butylbenzene

Concen: 23.148 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS02

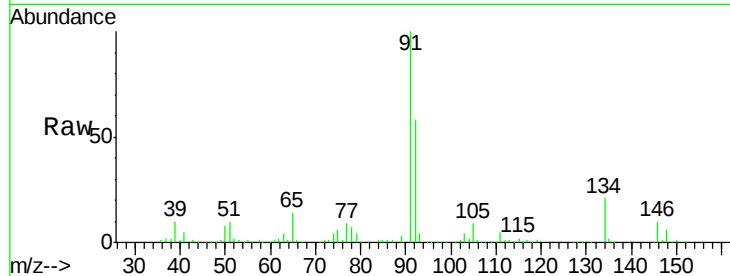
Tot Ion: 91 Resp: 673700

Ion Ratio Lower Upper

91 100

92 57.8 28.9 86.7

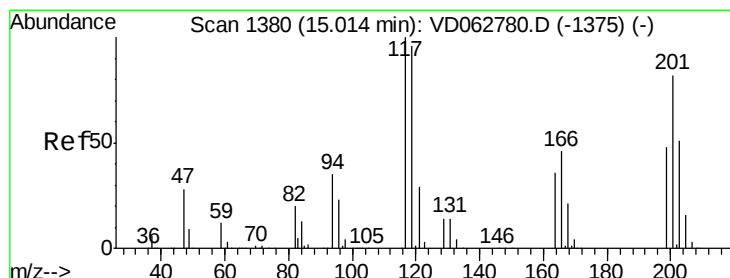
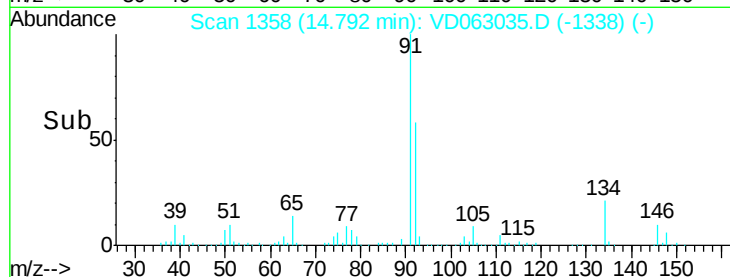
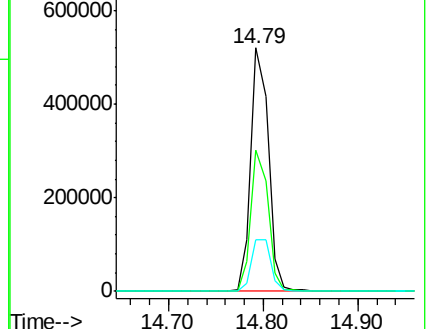
134 21.3 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 24.627 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063035.D

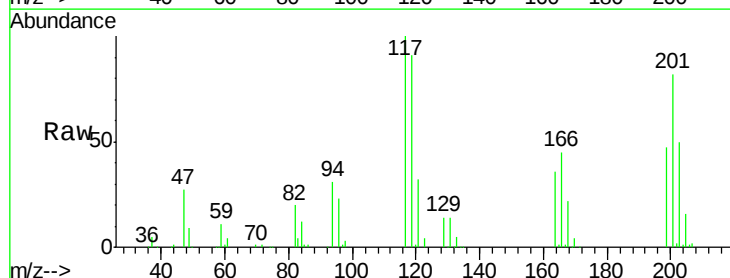
Acq: 8 Jul 2019 14:43

Tgt Ion: 117 Resp: 205902

Ion Ratio Lower Upper

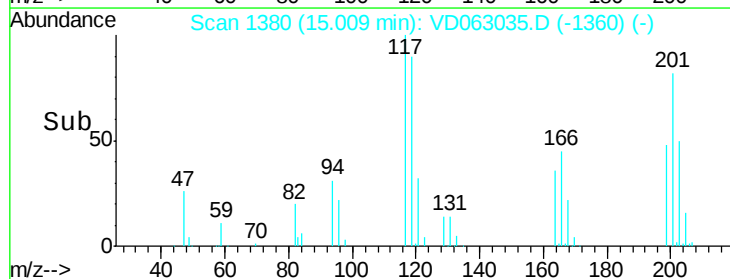
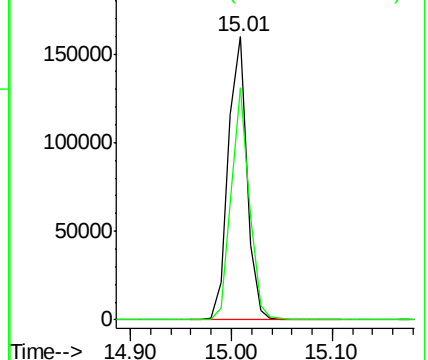
117 100

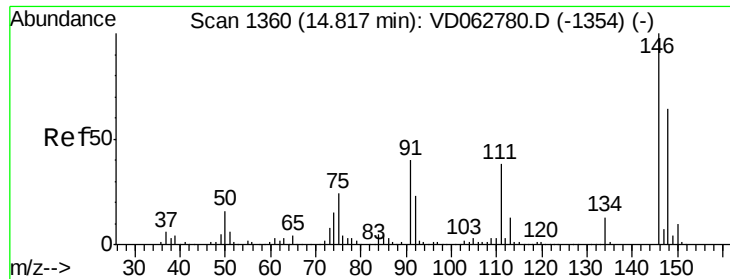
201 81.8 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 25.045 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS02

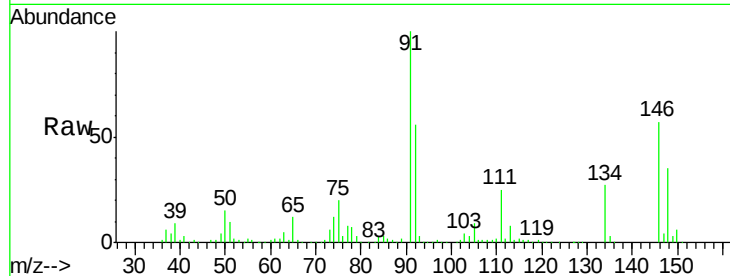
Tot Ion:146 Resp: 345104

Ion Ratio Lower Upper

146 100

111 43.2 19.1 57.1

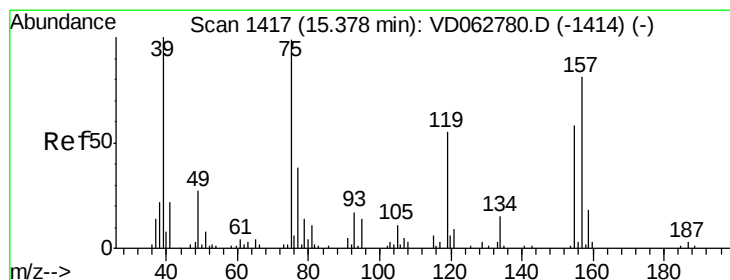
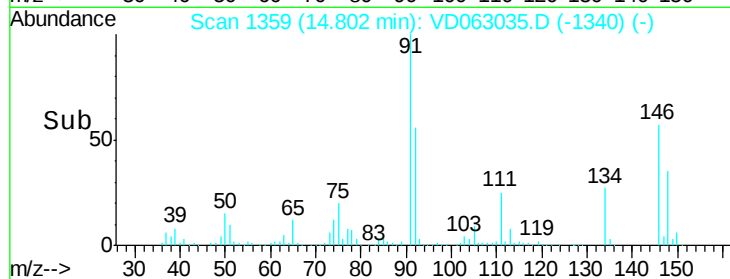
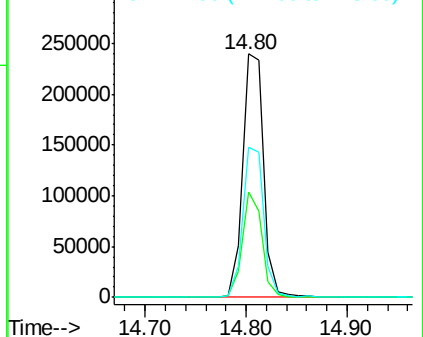
148 61.8 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 26.136 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

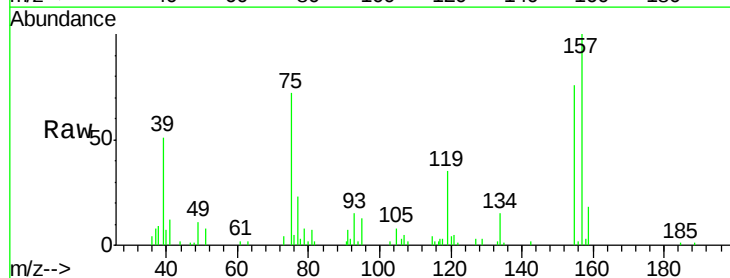
Tgt Ion: 75 Resp: 27763

Ion Ratio Lower Upper

75 100

155 106.0 29.3 87.8#

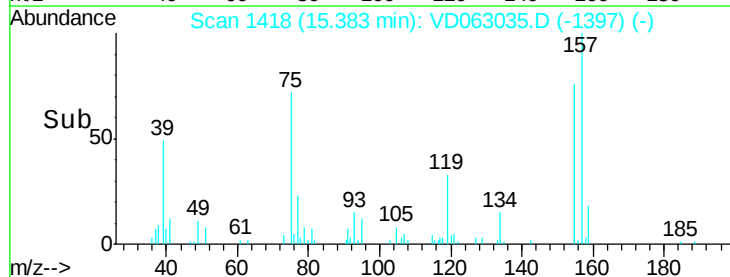
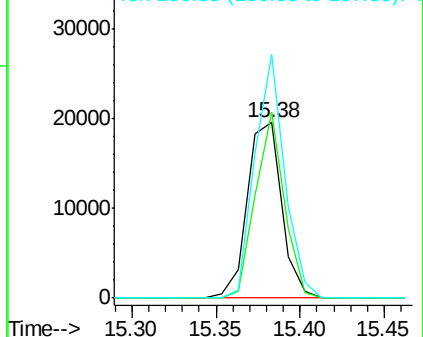
157 138.7 41.3 123.7#

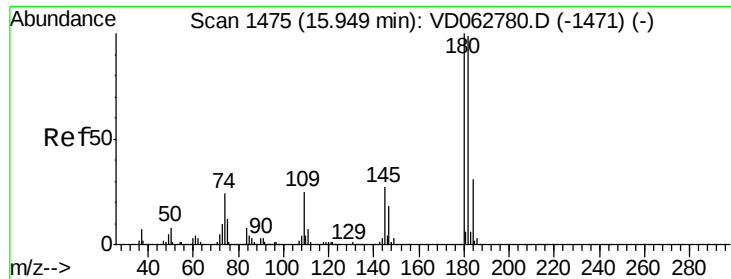


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

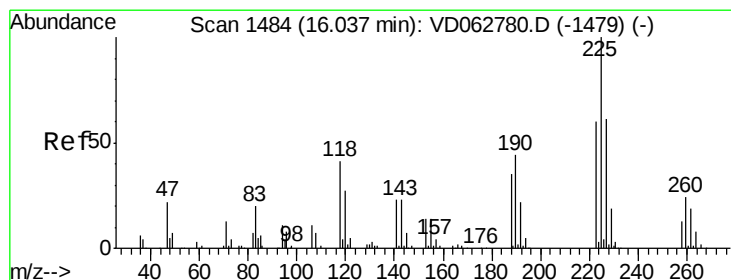
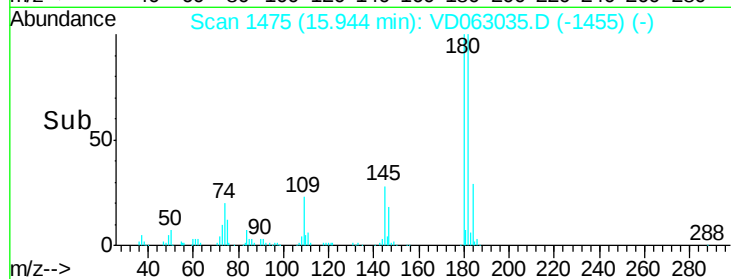
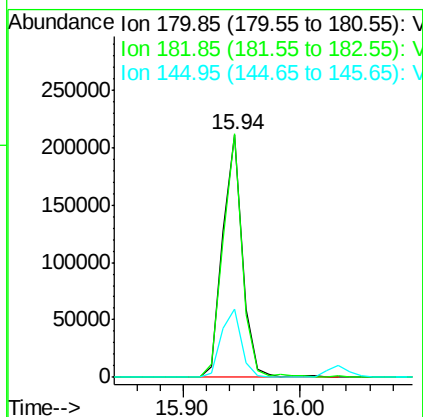
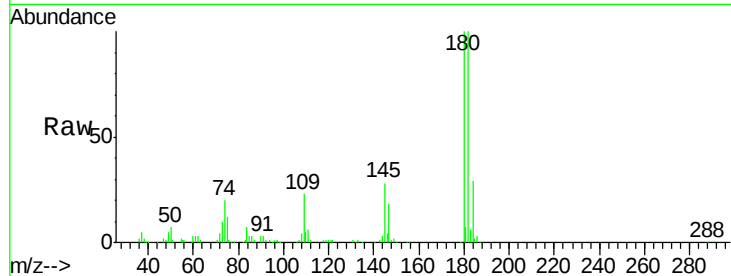




#93
 1,2,4-Trichlorobenzene
 Concen: 23.129 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

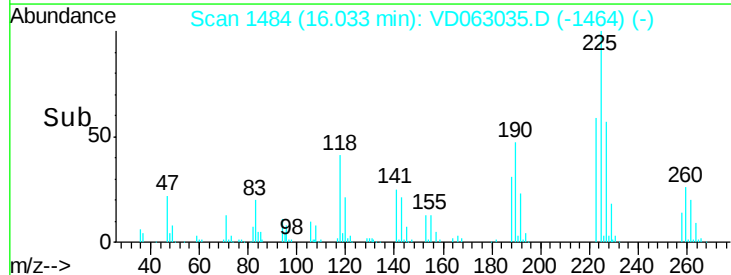
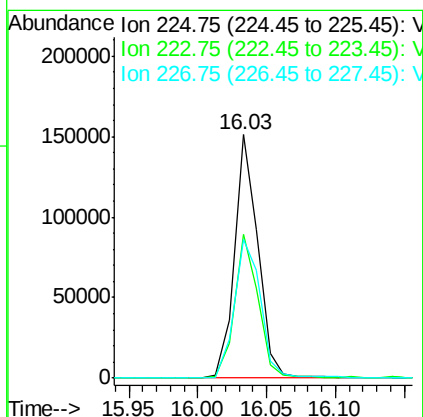
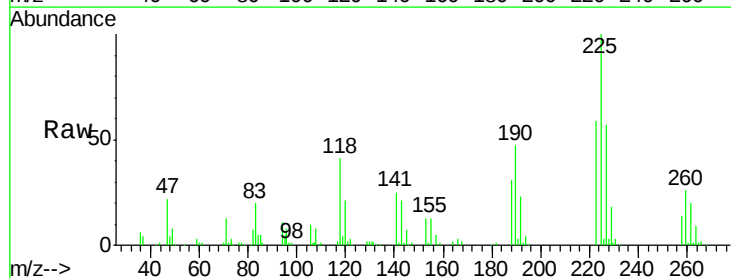
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBSD02

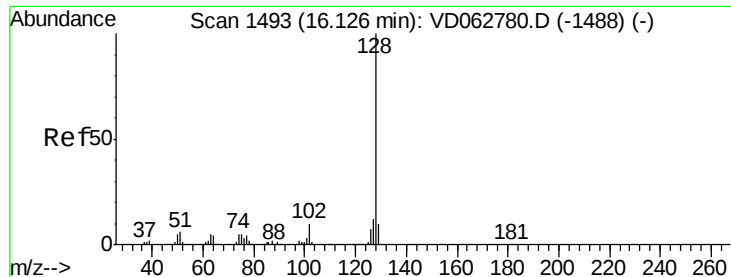
Tot Ion:180 Resp: 248952
 Ion Ratio Lower Upper
 180 100
 182 100.5 49.5 148.5
 145 28.1 13.7 41.0



#94
 Hexachlorobutadiene
 Concen: 21.705 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063035.D
 Acq: 8 Jul 2019 14:43

Tgt Ion:225 Resp: 178479
 Ion Ratio Lower Upper
 225 100
 223 58.9 29.8 89.5
 227 56.9 30.6 91.6





#95

Naphthalene

Concen: 23.749 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS02

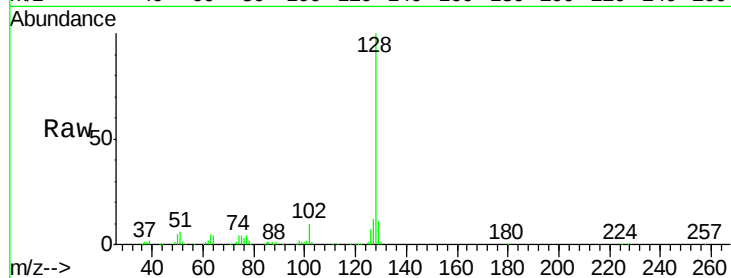
Tot Ion:128 Resp: 358295

Ion Ratio Lower Upper

128 100

127 12.3 9.7 14.5

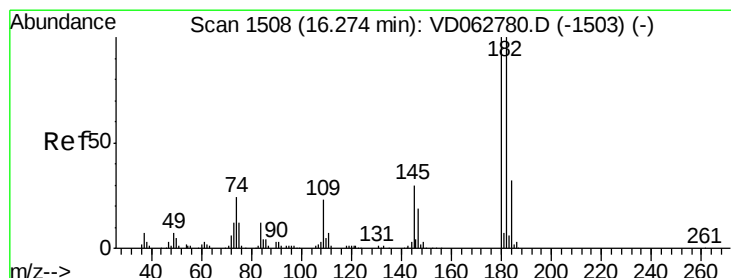
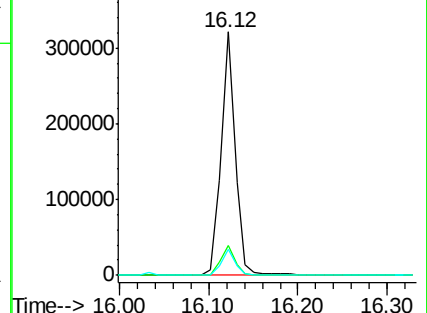
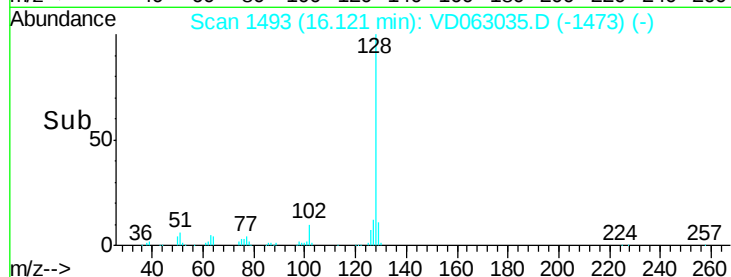
129 10.5 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 25.055 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD063035.D

Acq: 8 Jul 2019 14:43

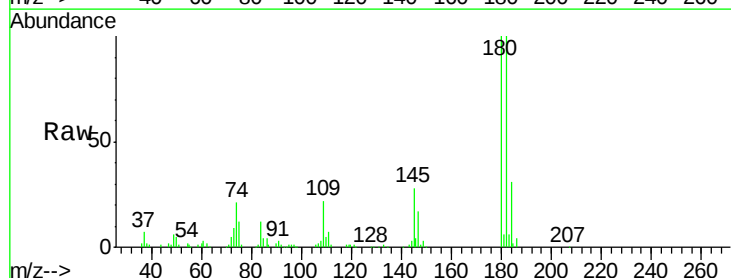
Tgt Ion:180 Resp: 207208

Ion Ratio Lower Upper

180 100

182 99.7 49.9 149.6

145 28.4 15.2 45.5



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

