

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070819\
 Data File : VD063034.D
 Acq On : 8 Jul 2019 14:16
 Operator : VA/AP
 Sample : VD0708SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

Quant Time: Jul 09 05:09:29 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	7.05	168	958057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1253905	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1039111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	593955	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	471853	45.31	ug/l	-0.01
Spiked Amount			Recovery	=	90.62%	
35) Dibromofluoromethane	6.93	113	511521	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	10.41	98	1085606	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
62) 4-Bromofluorobenzene	13.55	95	500505	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	250333	20.192	ug/l	98
3) Chloromethane	1.75	50	182517	19.575	ug/l #	81
4) Vinyl Chloride	1.85	62	181287	19.610	ug/l	96
5) Bromomethane	2.15	94	81631	18.855	ug/l #	97
6) Chloroethane	2.26	64	81572	19.490	ug/l	97
7) Trichlorofluoromethane	2.53	101	377545	20.180	ug/l	100
8) Diethyl Ether	2.87	74	50785	21.364	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	225652	22.263	ug/l	94
10) Methyl Iodide	3.30	142	257593	19.264	ug/l	93
11) Tert butyl alcohol	4.08	59	51798	109.210	ug/l	97
12) 1,1-Dichloroethene	3.13	96	160109	21.057	ug/l	95
13) Acrolein	3.04	56	24118	49.810	ug/l	84
14) Allyl chloride	3.61	41	249927	22.246	ug/l #	91
15) Acrylonitrile	4.20	53	121605	109.114	ug/l	96
16) Acetone	3.23	43	190768	85.735	ug/l	99
17) Carbon Disulfide	3.37	76	451704	18.588	ug/l	96
18) Methyl Acetate	3.64	43	93255	29.664	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	352155	21.394	ug/l	99
20) Methylene Chloride	3.81	84	167705	21.116	ug/l	92
21) trans-1,2-Dichloroethene	4.21	96	164736	20.348	ug/l	95
22) Diisopropyl ether	5.13	45	499042	21.842	ug/l	98
23) Vinyl Acetate	5.06	43	1378242	96.401	ug/l	100
24) 1,1-Dichloroethane	4.99	63	304678	20.481	ug/l	97
25) 2-Butanone	6.07	43	198574	101.952	ug/l	95
26) 2,2-Dichloropropane	6.02	77	332813	21.107	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	182465	21.312	ug/l	84
28) Bromochloromethane	6.44	49	124224	23.710	ug/l	95
29) Tetrahydrofuran	6.46	42	93102	101.028	ug/l	93
30) Chloroform	6.66	83	381708	21.099	ug/l	98
31) Cyclohexane	6.96	56	200820	20.535	ug/l	92
32) 1,1,1-Trichloroethane	6.87	97	387183	20.547	ug/l	94
36) 1,1-Dichloropropene	7.14	75	251091	21.153	ug/l	97
37) Ethyl Acetate	6.19	43	100654	19.515	ug/l #	93
38) Carbon Tetrachloride	7.11	117	364686	20.428	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	218418	20.904	ug/l	99
40) Benzene	7.45	78	516045	21.658	ug/l	95
41) Methacrylonitrile	6.45	41	130355	20.824	ug/l #	91
42) 1,2-Dichloroethane	7.58	62	269050	20.699	ug/l	94
43) Isopropyl Acetate	9.24	43	126811	20.378	ug/l #	96
44) Trichloroethene	8.54	130	205852	22.037	ug/l	93
45) 1,2-Dichloropropane	8.94	63	132409	22.349	ug/l	99
46) Dibromomethane	9.06	93	109762	21.567	ug/l	96
47) Bromodichloromethane	9.38	83	279205	21.124	ug/l	94
48) Methyl methacrylate	9.12	41	97266	21.995	ug/l	96
49) 1,4-Dioxane	9.08	88	14438	392.424	ug/l #	66
51) 4-Methyl-2-Pentanone	10.30	43	459380	104.118	ug/l	97
52) Toluene	10.51	92	341462	21.320	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	238414	22.038	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	251041	21.349	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	114342	20.780	ug/l #	83
56) Ethyl methacrylate	11.04	69	126875	21.575	ug/l	99
57) 1,3-Dichloropropane	11.41	76	185112	21.971	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	336123	111.336	ug/l	94
59) 2-Hexanone	11.53	43	321902	102.443	ug/l	98
60) Dibromochloromethane	11.68	129	207485	20.244	ug/l	97
61) 1,2-Dibromoethane	11.81	107	134333	20.670	ug/l	93
64) Tetrachloroethene	11.26	164	169552	19.826	ug/l	96
65) Chlorobenzene	12.40	112	437660	22.695	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	204950	22.725	ug/l	94
67) Ethyl Benzene	12.52	91	774567	22.371	ug/l	98
68) m/p-Xylenes	12.67	106	543011	45.029	ug/l	100
69) o-Xylene	13.05	106	255184	23.148	ug/l	93
70) Styrene	13.07	104	455809	23.540	ug/l	98
71) Bromoform	13.24	173	128548	20.804	ug/l	99
73) Isopropylbenzene	13.41	105	765036	20.089	ug/l	96
74) N-amyl acetate	13.27	43	196587	21.256	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	128249	20.669	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	145759	21.258	ug/l	96
77) Bromobenzene	13.67	156	211324	20.630	ug/l	95
78) n-propylbenzene	13.77	91	874174	19.722	ug/l	92
79) 2-Chlorotoluene	13.84	91	537934	21.236	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	663913	20.755	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.47	75	35628	19.826	ug/l	87
82) 4-Chlorotoluene	13.95	91	637259	20.896	ug/l	99
83) tert-Butylbenzene	14.19	119	708341	19.866	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	602223	18.368	ug/l	97
85) sec-Butylbenzene	14.37	105	801360	20.679	ug/l	100
86) p-Isopropyltoluene	14.49	119	751909	21.209	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	389150	21.193	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	363794	19.726	ug/l	96
89) n-Butylbenzene	14.79	91	692011	20.855	ug/l	98
90) Hexachloroethane	15.01	117	185576	19.468	ug/l	90
91) 1,2-Dichlorobenzene	14.80	146	329897	20.999	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	15.38	75	23510	19.412	ug/l #	56

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Quant Time: Jul 09 05:09:29 2019
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

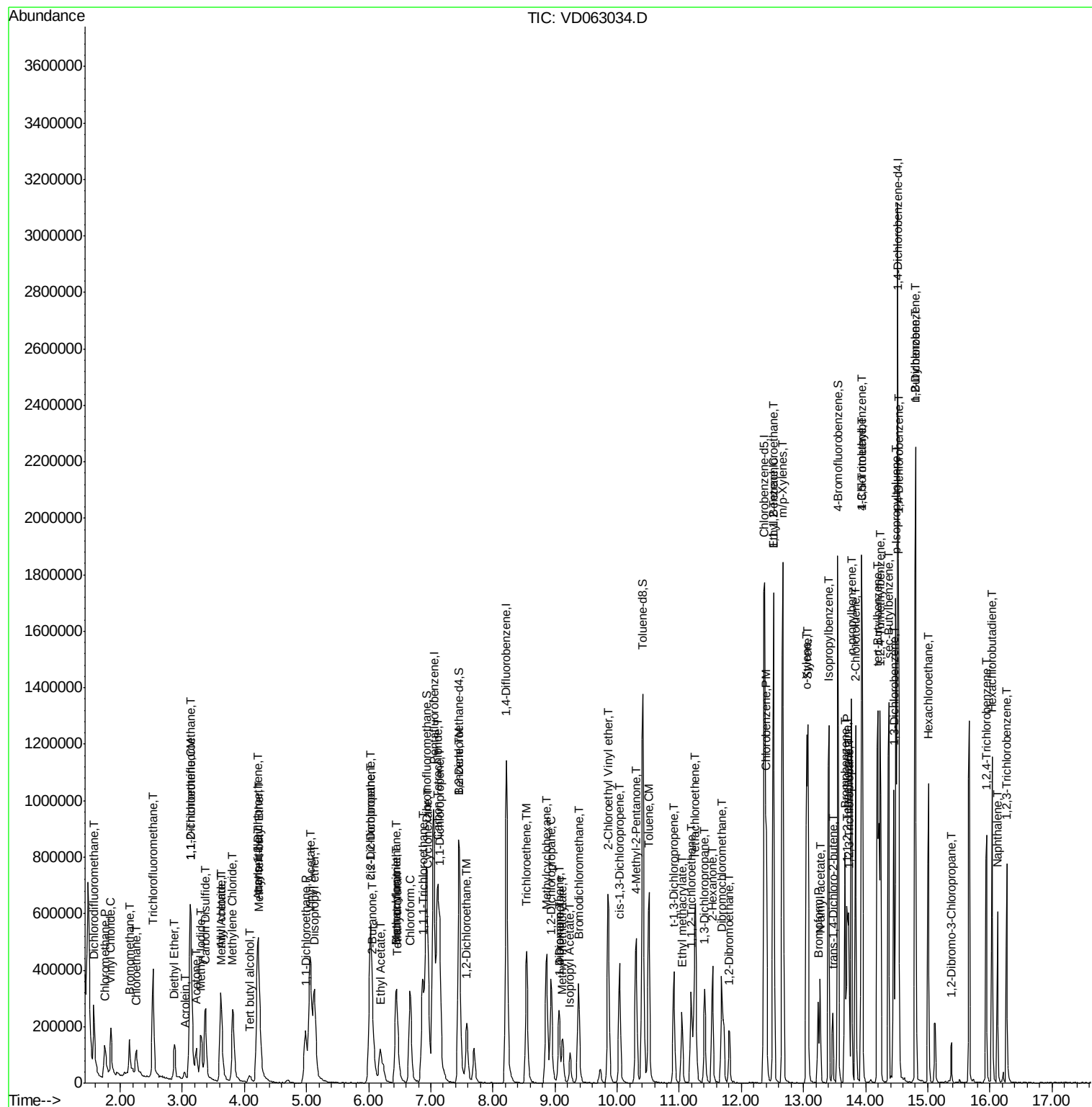
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	243830	19.869	ug/l	95
94) Hexachlorobutadiene	16.03	225	183455	19.568	ug/l	98
95) Naphthalene	16.12	128	339247	19.723	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	188733	20.016	ug/l	96

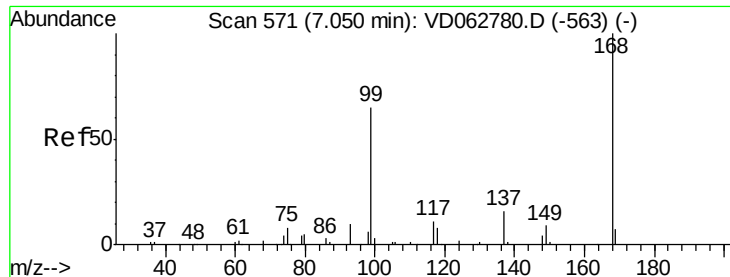
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

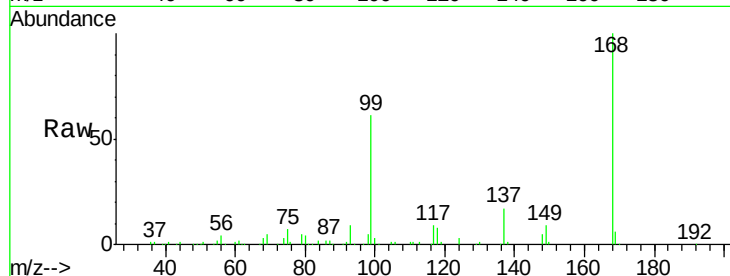
VD0708SBS01

Tot Ion:168 Resp: 958057

Ion Ratio Lower Upper

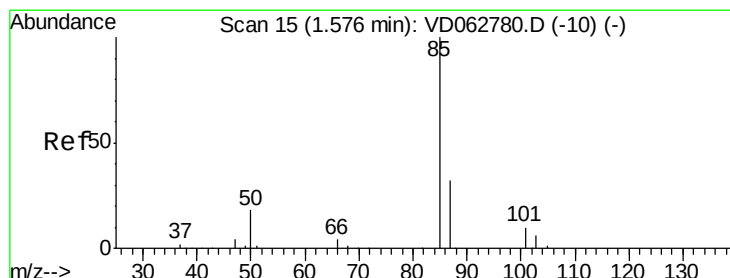
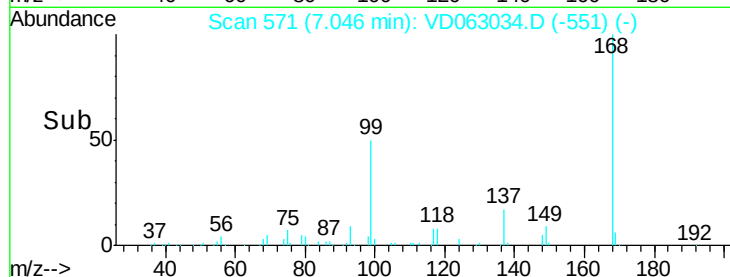
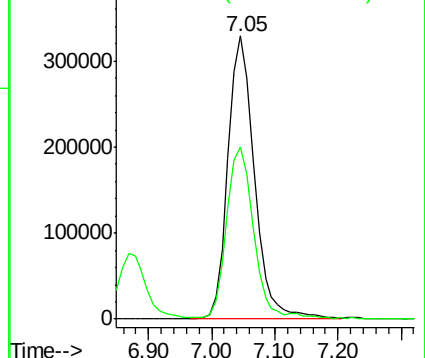
168 100

99 60.7 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: 20.192 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063034.D

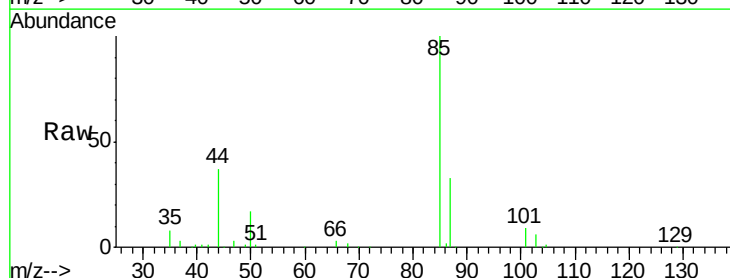
Acq: 8 Jul 2019 14:16

Tgt Ion: 85 Resp: 250333

Ion Ratio Lower Upper

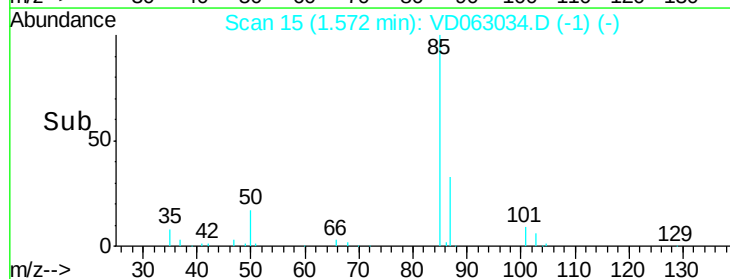
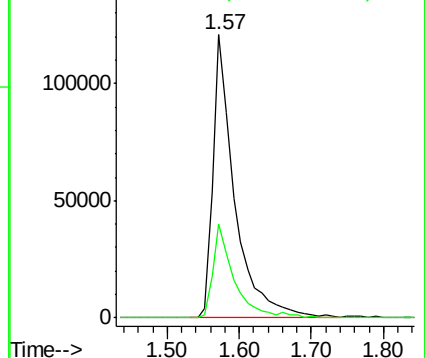
85 100

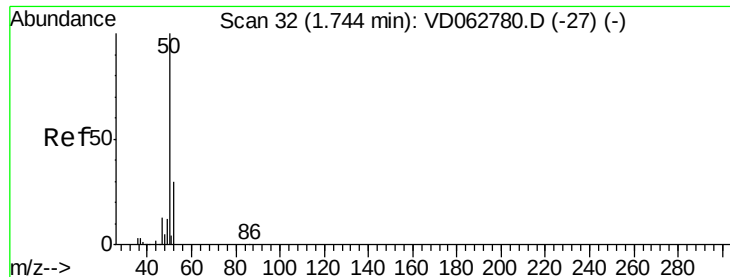
87 33.0 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.575 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

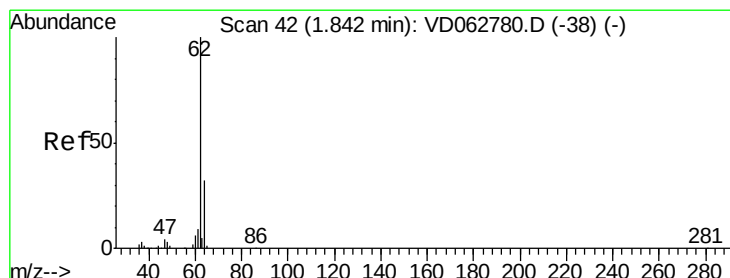
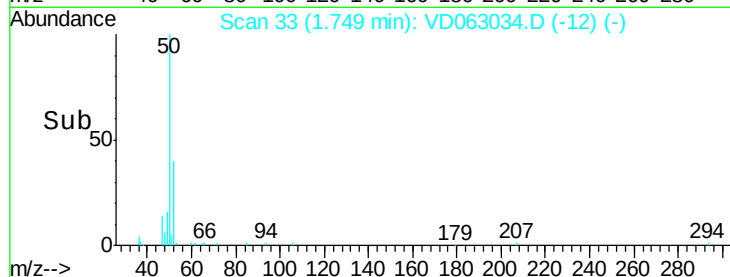
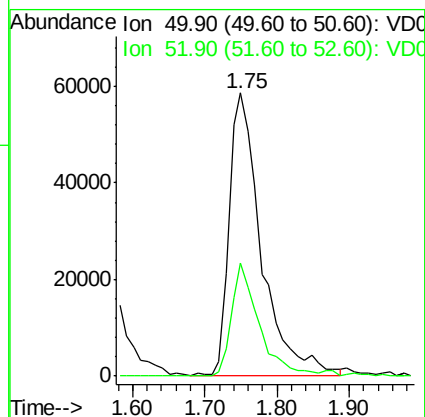
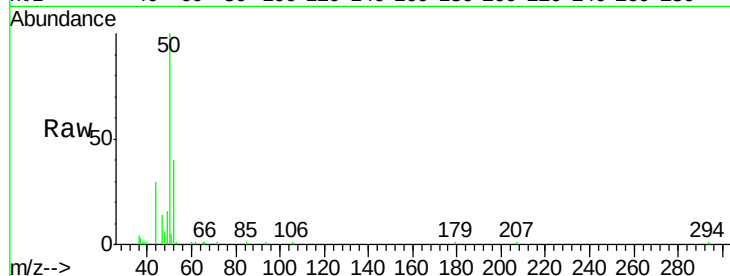
VD0708SBS01

Tot Ion: 50 Resp: 182517

Ion Ratio Lower Upper

50 100

52 39.8 23.6 35.4#



#4

Vinyl Chloride

Concen: 19.610 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063034.D

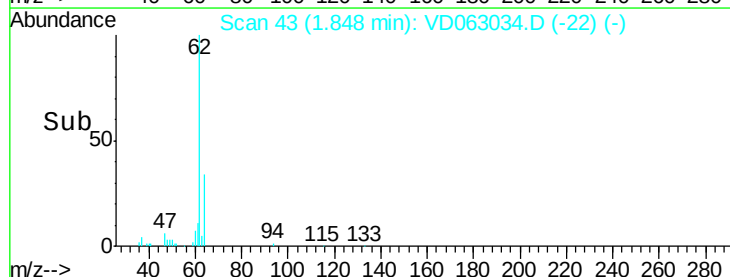
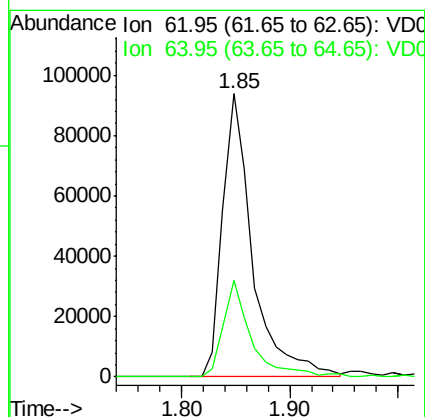
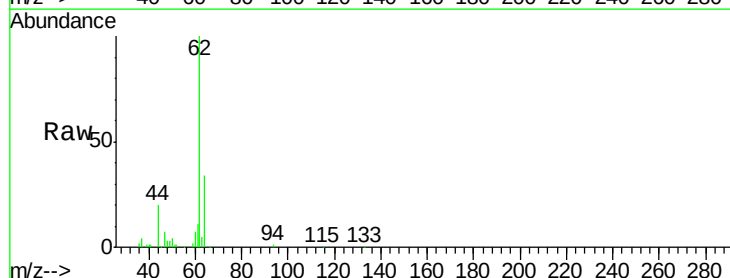
Acq: 8 Jul 2019 14:16

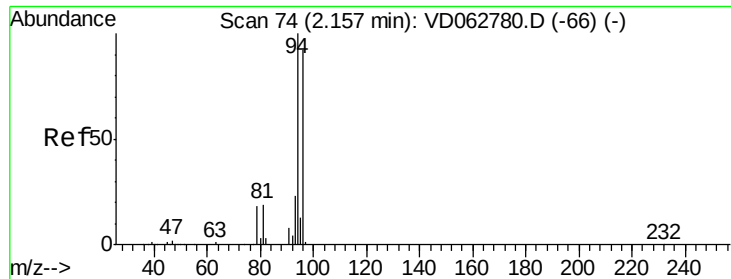
Tgt Ion: 62 Resp: 181287

Ion Ratio Lower Upper

62 100

64 34.0 25.6 38.4





#5

Bromomethane

Concen: 18.855 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

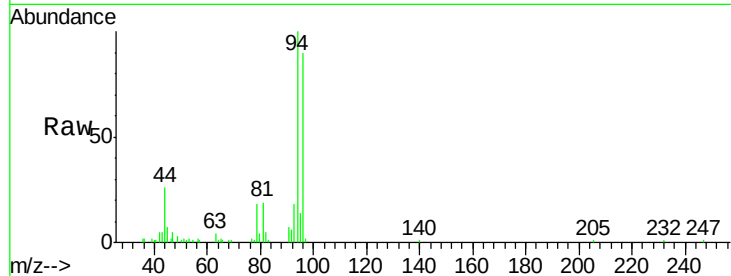
Tot Ion: 94 Resp: 81631

Ion Ratio Lower Upper

94 100

96 90.1 73.4 110.2

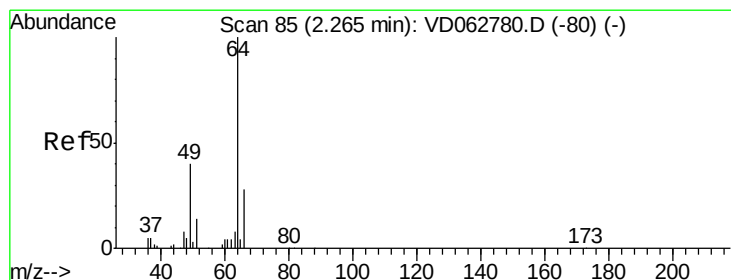
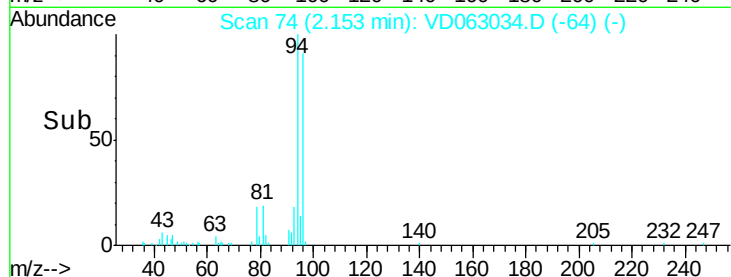
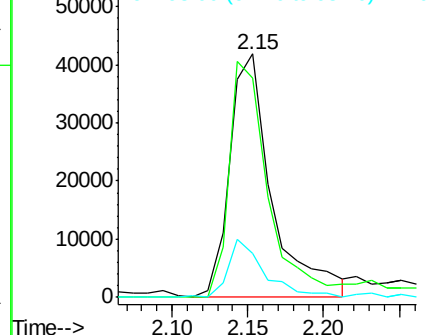
93 17.9 18.2 27.4#



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: 19.490 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063034.D

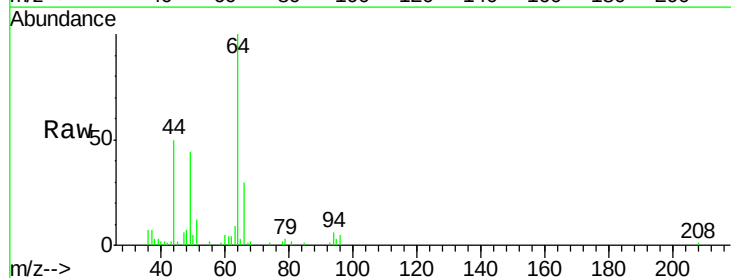
Acq: 8 Jul 2019 14:16

Tgt Ion: 64 Resp: 81572

Ion Ratio Lower Upper

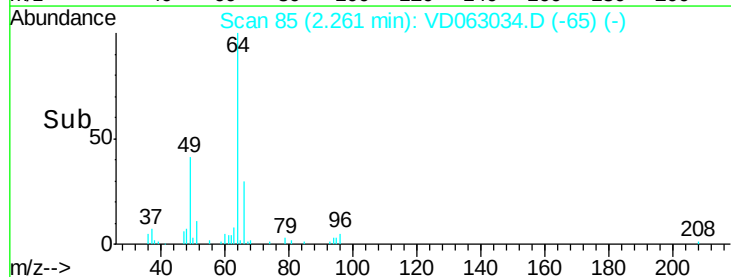
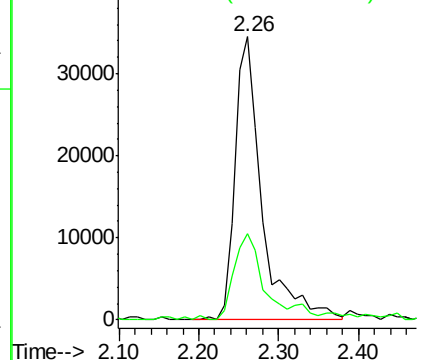
64 100

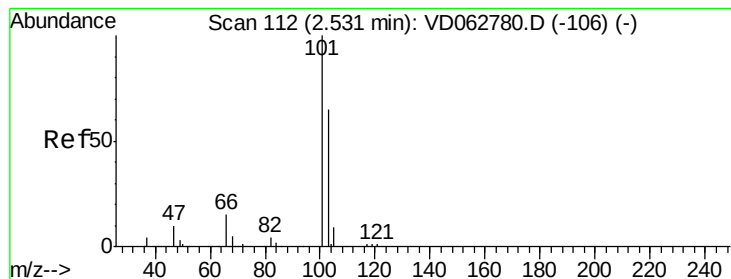
66 30.4 23.0 34.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



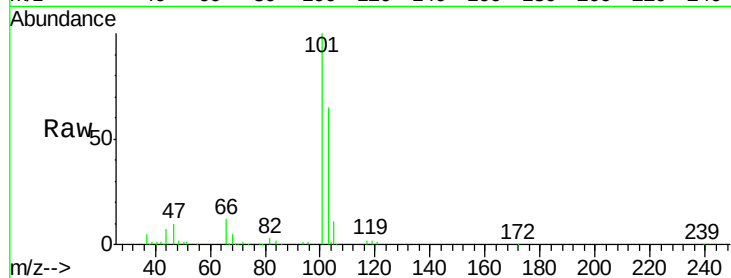


#7

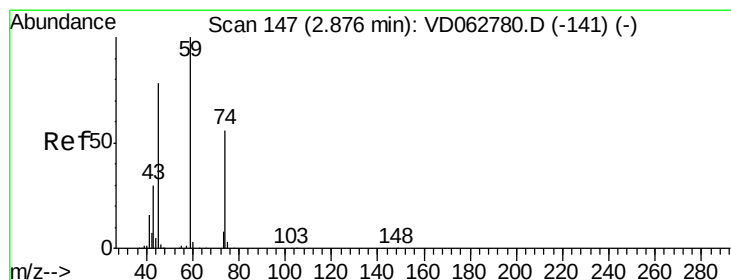
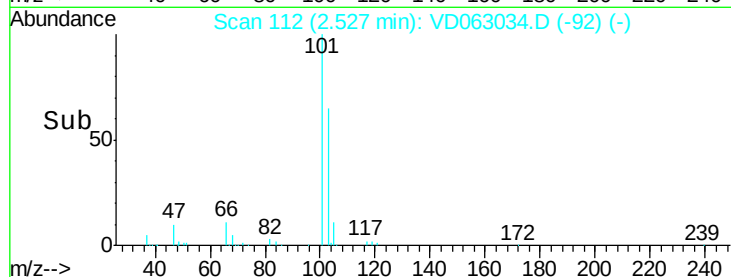
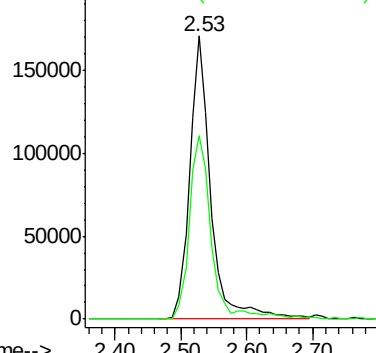
Trichlorofluoromethane
Concen: 20.180 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion:101 Resp: 377545
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.8



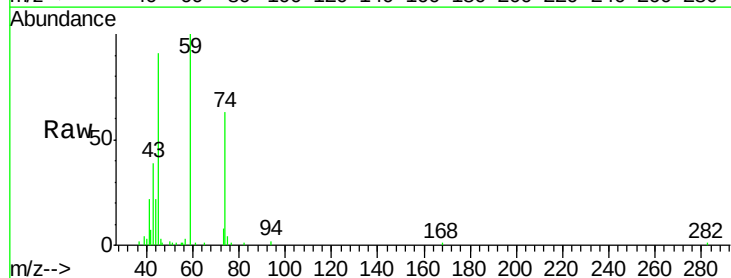
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



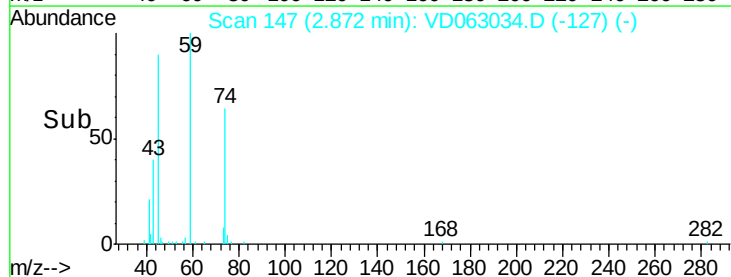
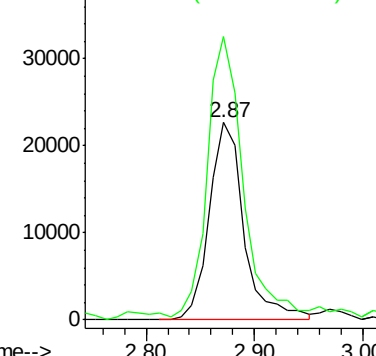
#8

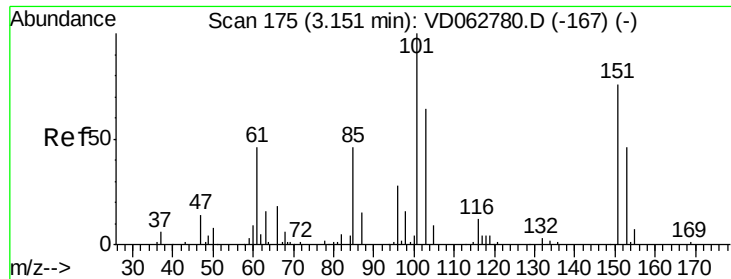
Diethyl Ether
Concen: 21.364 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Tgt Ion: 74 Resp: 50785
Ion Ratio Lower Upper
74 100
45 143.6 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: 22.263 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

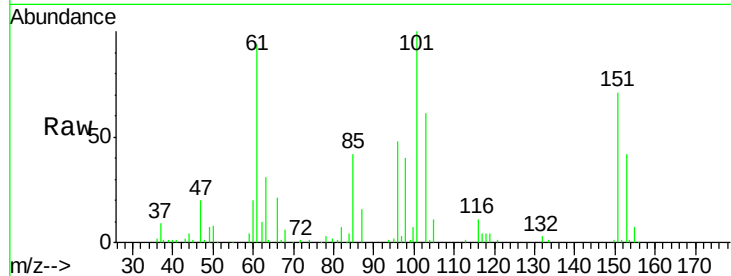
Tot Ion:101 Resp: 225652

Ion Ratio Lower Upper

101 100

85 41.8 37.0 55.4

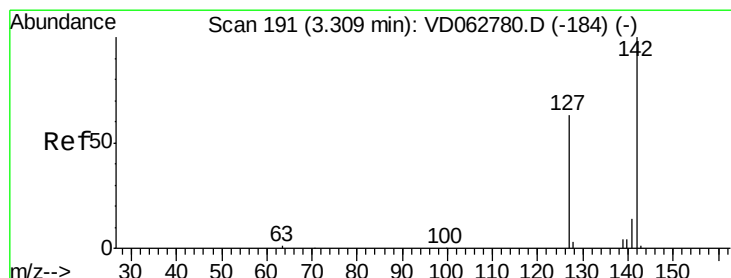
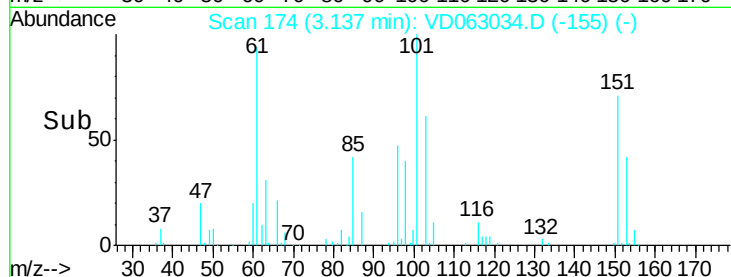
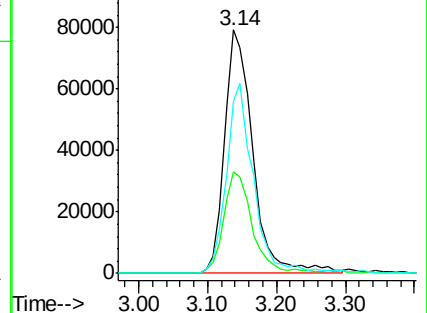
151 70.7 60.5 90.7



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: 19.264 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

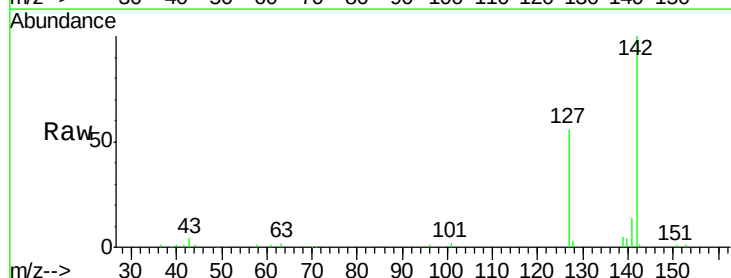
Tgt Ion:142 Resp: 257593

Ion Ratio Lower Upper

142 100

127 55.9 50.1 75.1

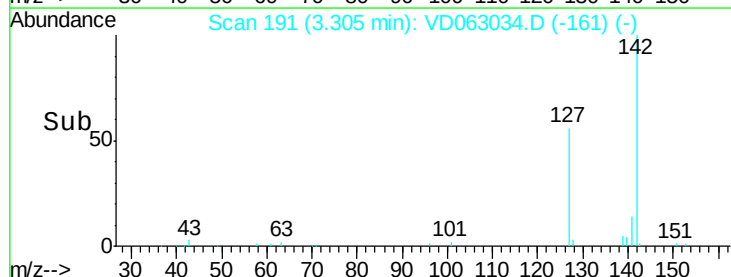
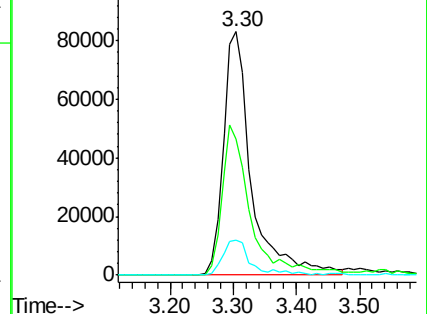
141 14.3 11.0 16.4

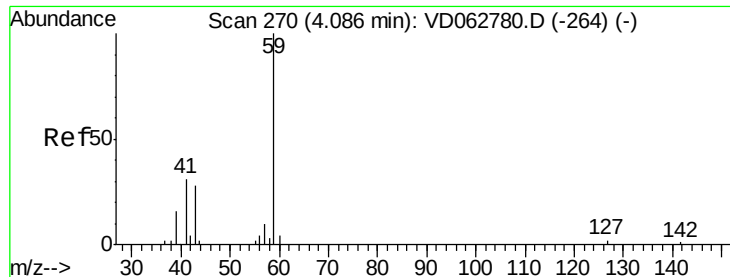


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



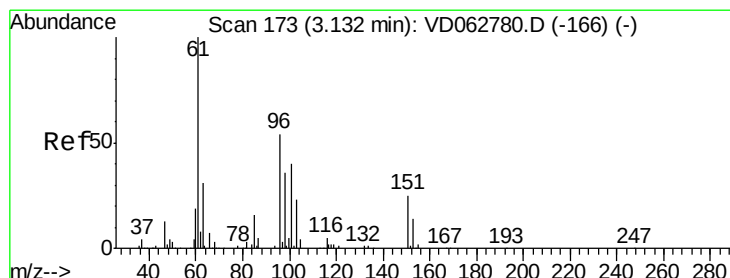
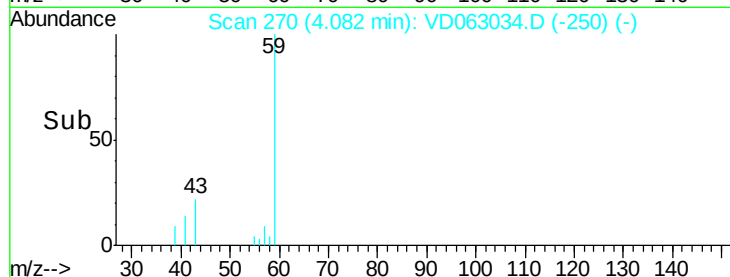
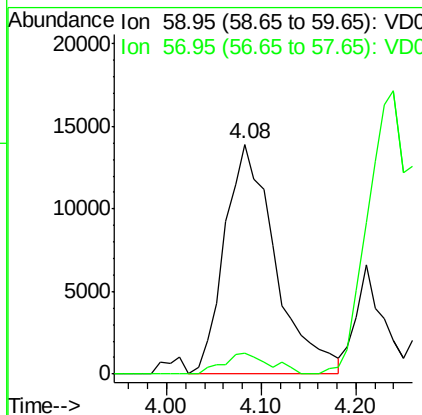
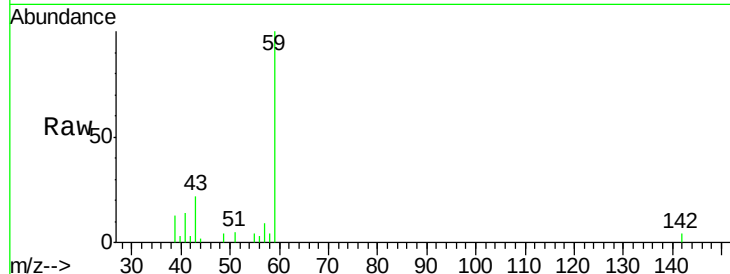


#11

Tert butyl alcohol
Concen: 109.210 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

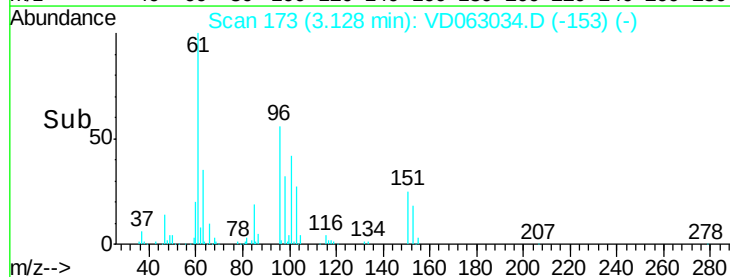
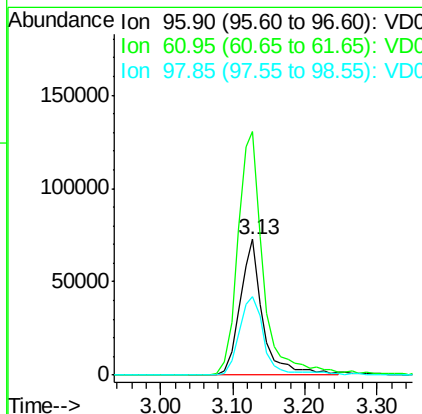
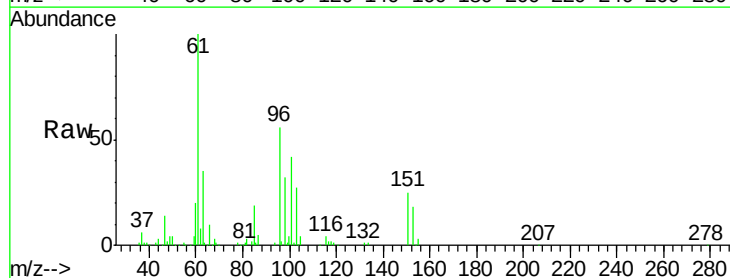
Tot Ion: 59 Resp: 51798
Ion Ratio Lower Upper
59 100
57 9.3 6.6 10.0

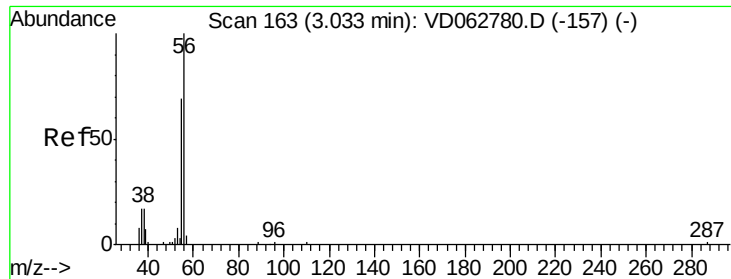


#12

1,1-Dichloroethene
Concen: 21.057 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Tgt Ion: 96 Resp: 160109
Ion Ratio Lower Upper
96 100
61 179.3 147.1 220.7
98 57.9 52.6 79.0





#13

Acrolein

Concen: 49.810 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

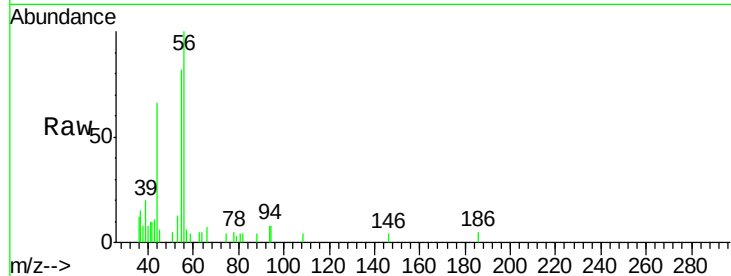
VD0708SBS01

Tot Ion: 56 Resp: 24118

Ion Ratio Lower Upper

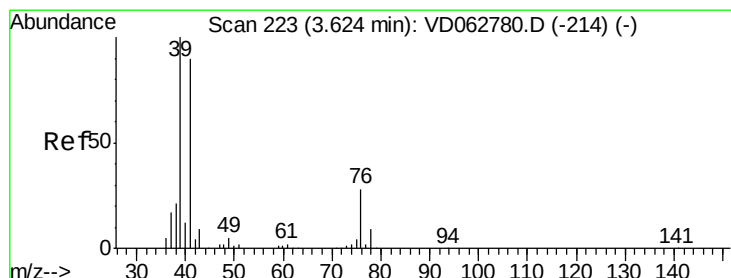
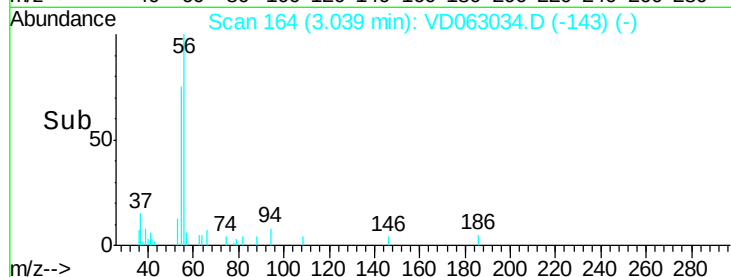
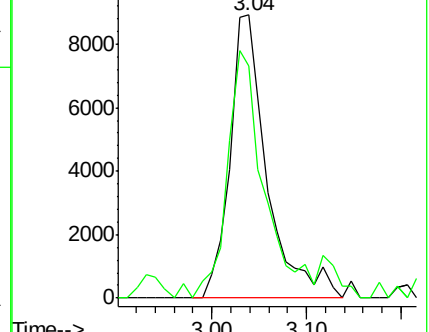
56 100

55 82.1 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: 22.246 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

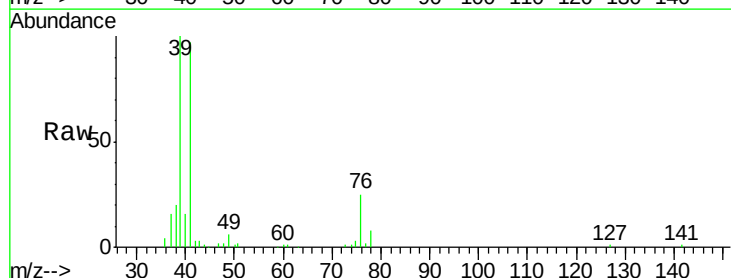
Tgt Ion: 41 Resp: 249927

Ion Ratio Lower Upper

41 100

39 103.2 88.8 133.2

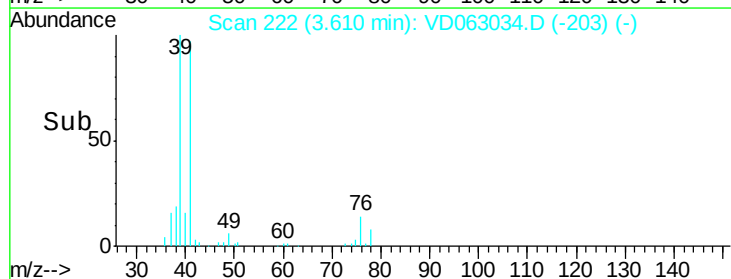
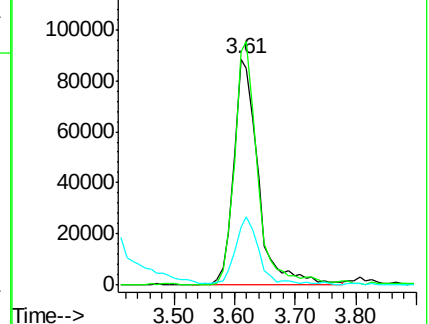
76 25.9 26.7 40.1#

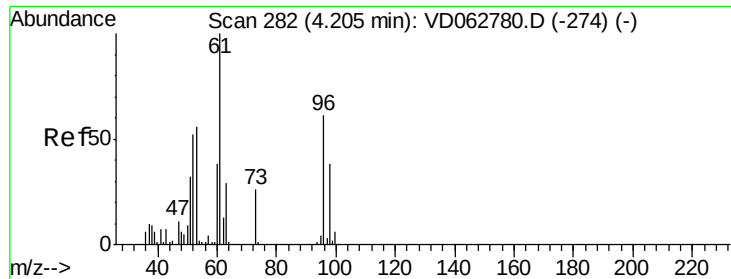


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 109.114 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

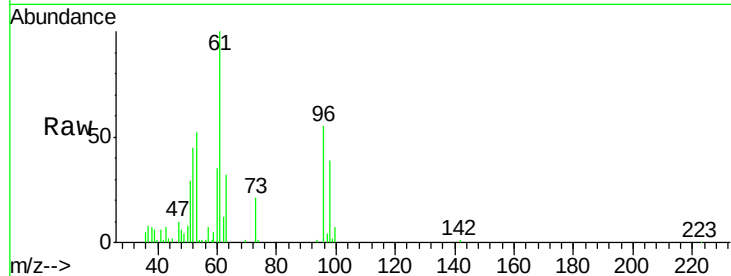
Tot Ion: 53 Resp: 121605

Ion Ratio Lower Upper

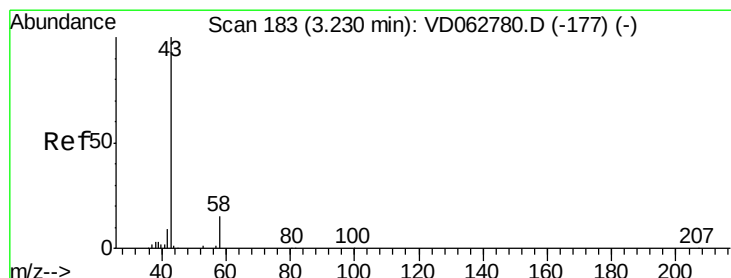
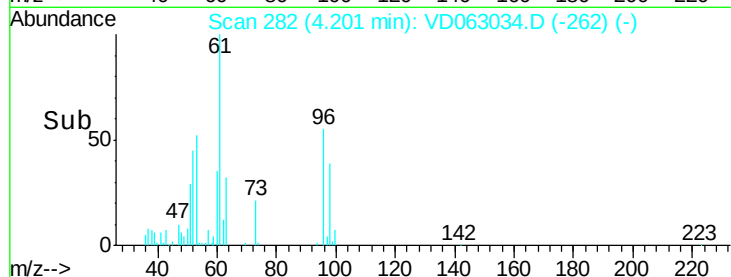
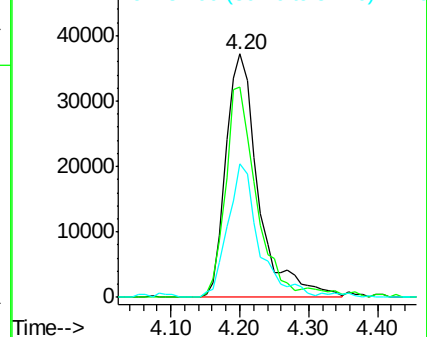
53 100

52 86.6 73.3 109.9

51 54.9 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: 85.735 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063034.D

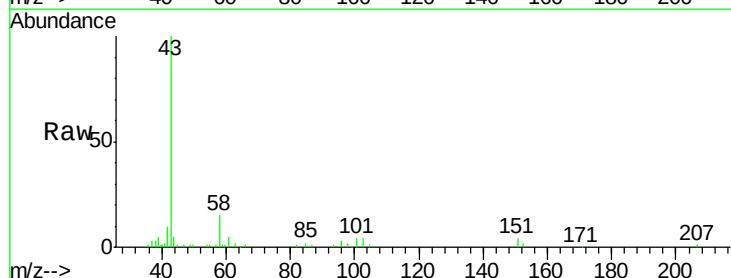
Acq: 8 Jul 2019 14:16

Tgt Ion: 43 Resp: 190768

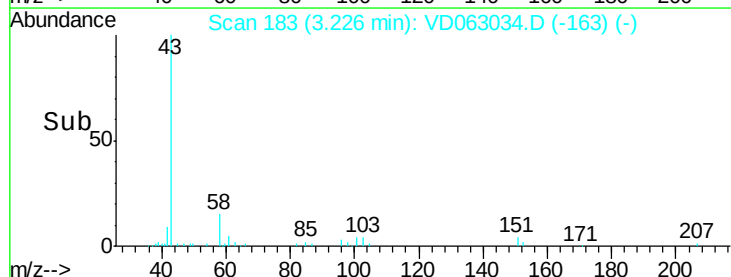
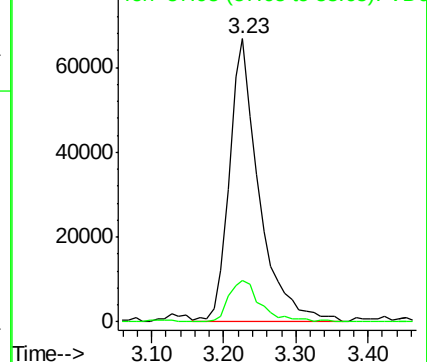
Ion Ratio Lower Upper

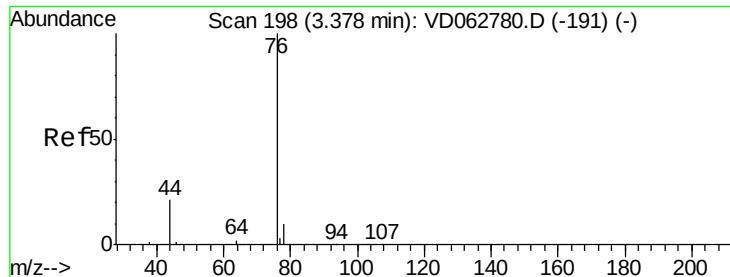
43 100

58 14.7 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: 18.588 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

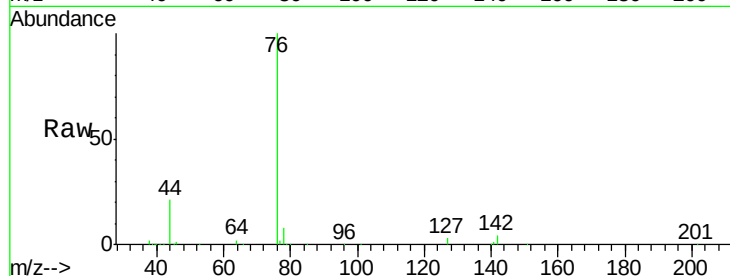
VD0708SBS01

Tot Ion: 76 Resp: 451704

Ion Ratio Lower Upper

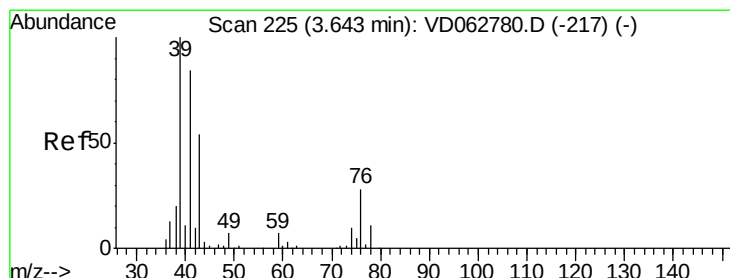
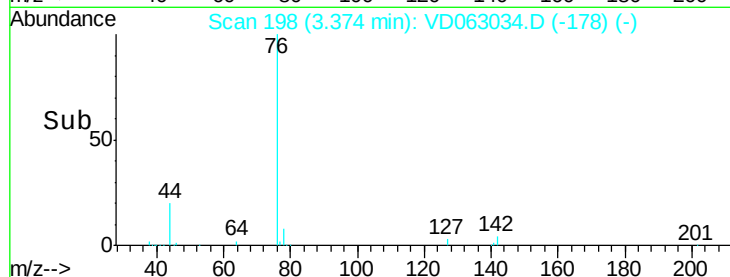
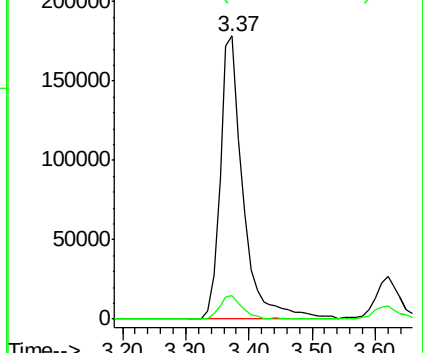
76 100

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: 29.664 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD063034.D

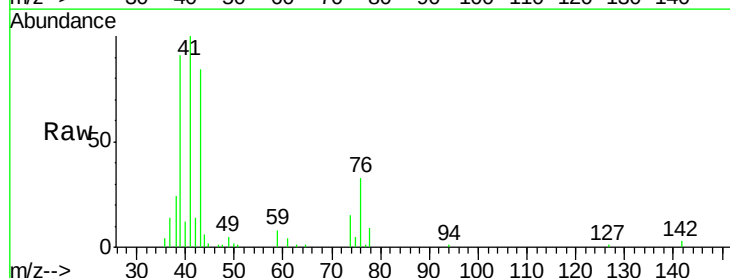
Acq: 8 Jul 2019 14:16

Tgt Ion: 43 Resp: 93255

Ion Ratio Lower Upper

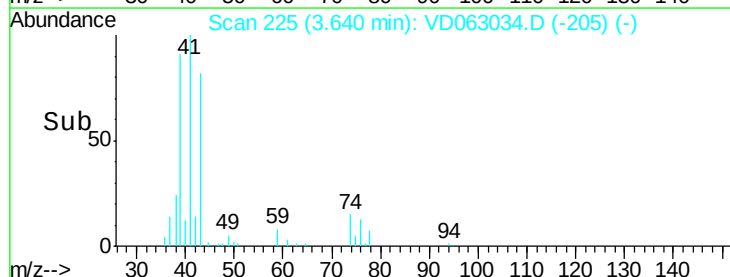
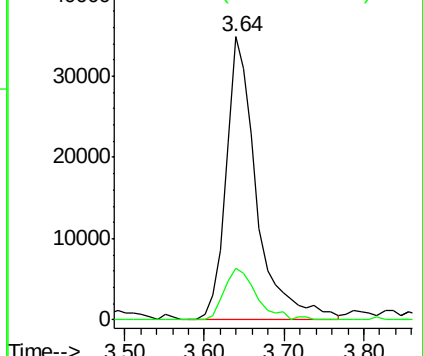
43 100

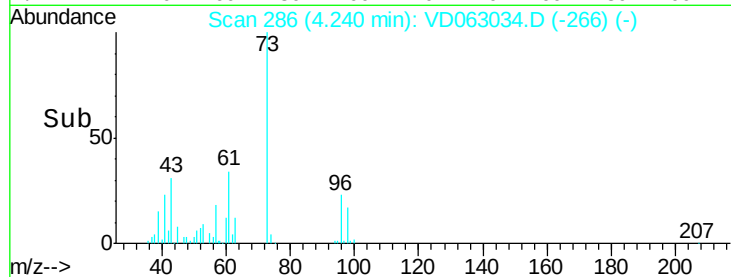
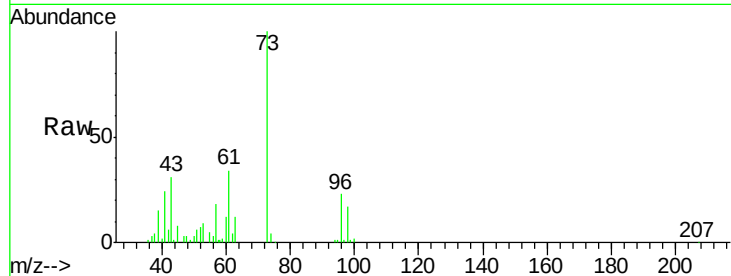
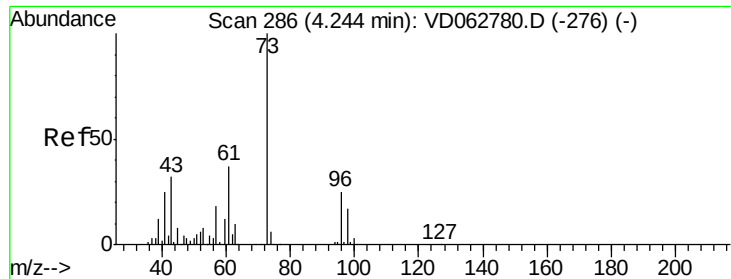
74 18.4 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



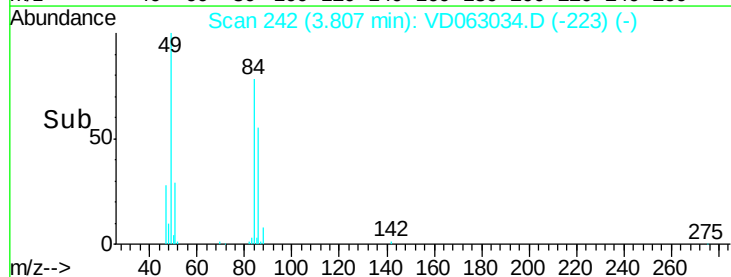
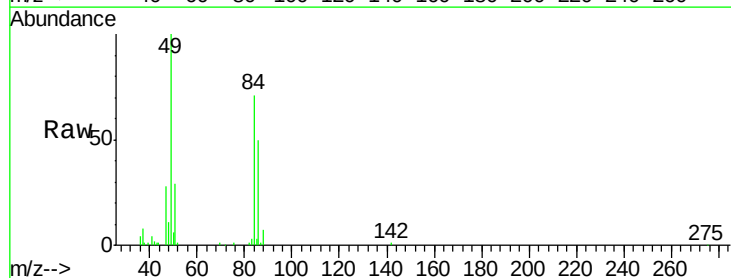
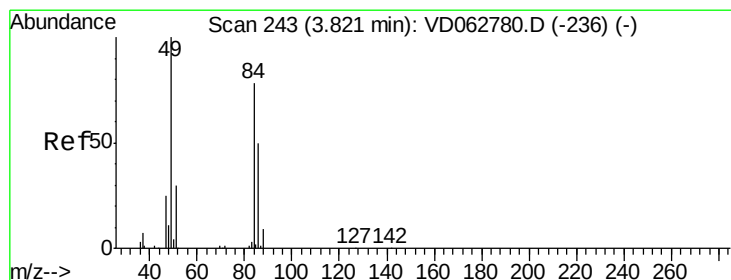
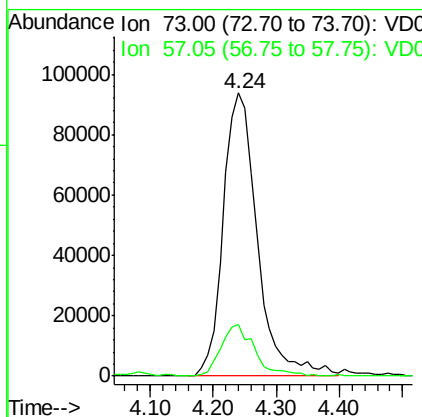


#19

Methyl tert-butyl Ether
Concen: 21.394 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

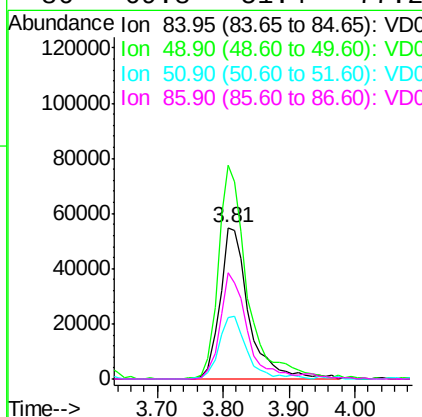
Tot Ion: 73 Resp: 352155
Ion Ratio Lower Upper
73 100
57 18.3 14.3 21.5

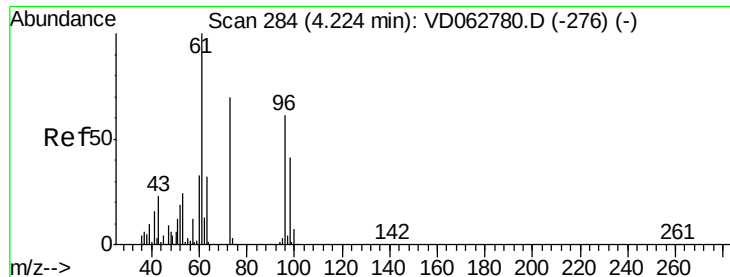


#20

Methylene Chloride
Concen: 21.116 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Tgt Ion: 84 Resp: 167705
Ion Ratio Lower Upper
84 100
49 140.9 102.9 154.3
51 40.3 31.2 46.8
86 69.8 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.348 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

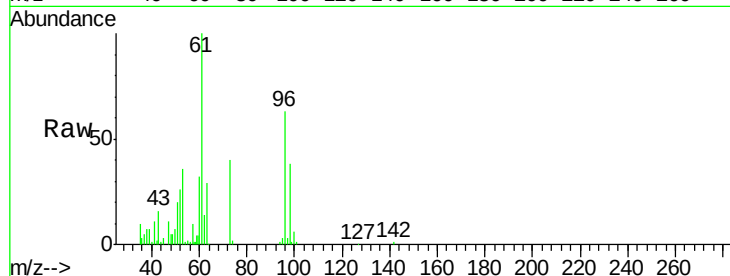
Tot Ion: 96 Resp: 164736

Ion Ratio Lower Upper

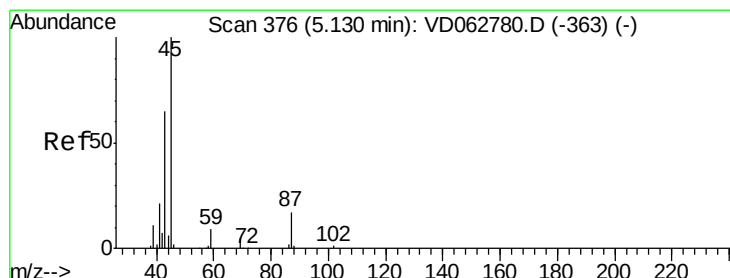
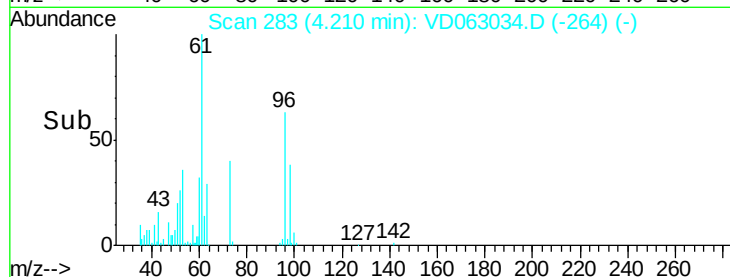
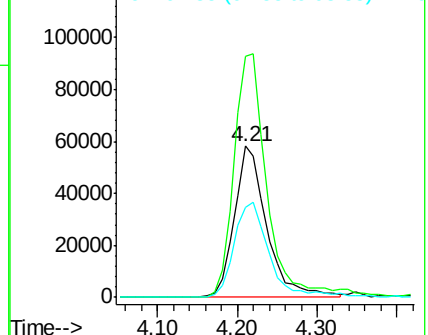
96 100

61 159.5 131.0 196.4

98 60.0 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: 21.842 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Tgt Ion: 45 Resp: 499042

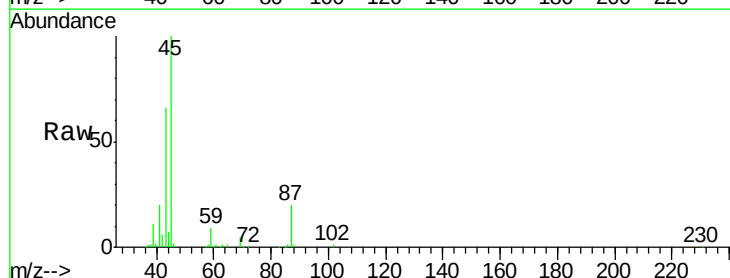
Ion Ratio Lower Upper

45 100

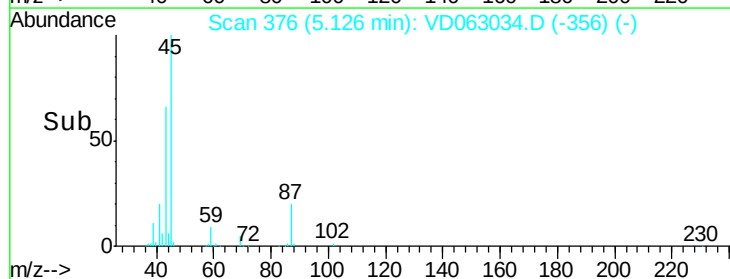
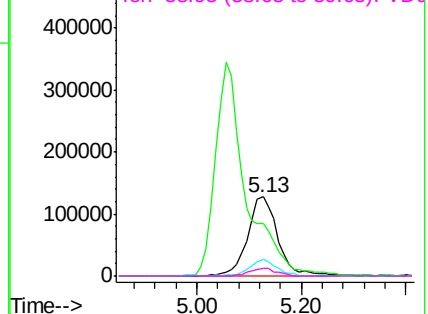
43 66.1 53.4 80.0

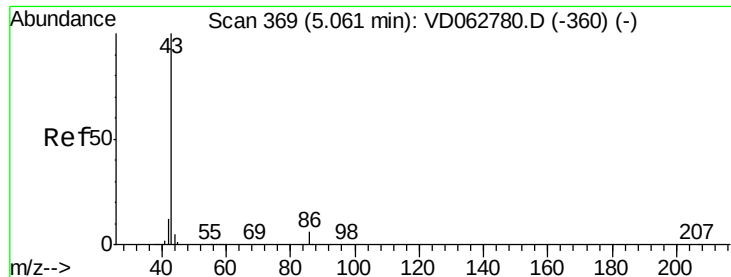
87 20.3 14.6 22.0

59 9.2 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: 96.401 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

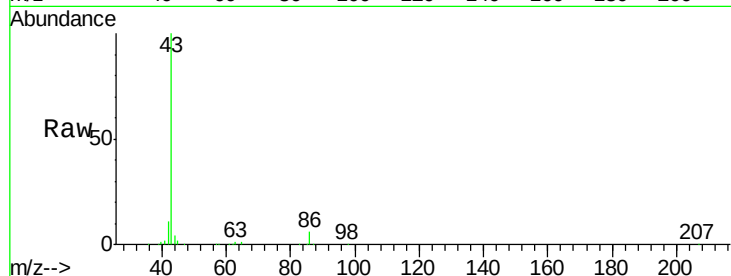
VD0708SBS01

Tot Ion: 43 Resp: 1378242

Ion Ratio Lower Upper

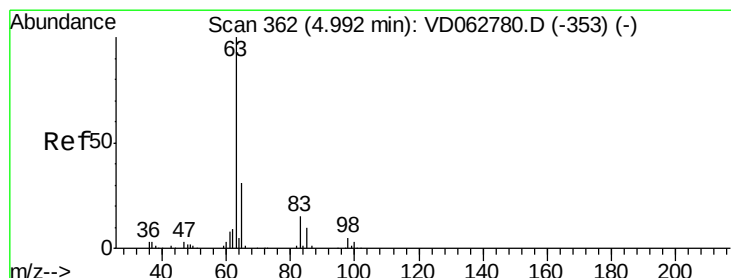
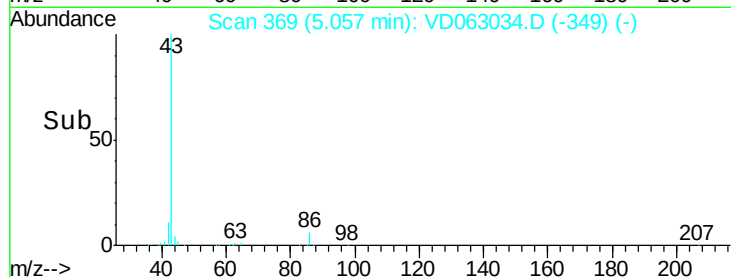
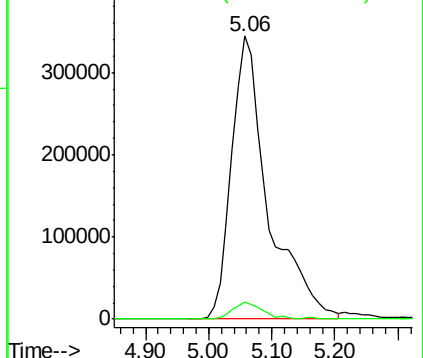
43 100

86 6.1 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: 20.481 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

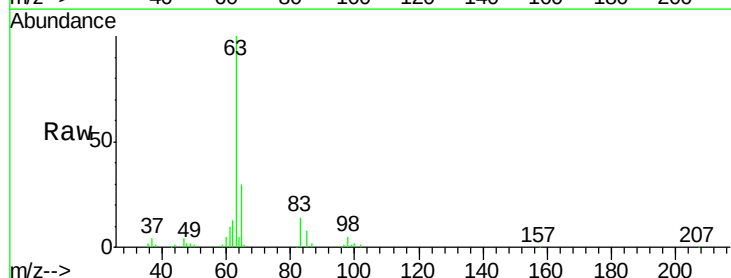
Tgt Ion: 63 Resp: 304678

Ion Ratio Lower Upper

63 100

98 5.4 2.3 6.9

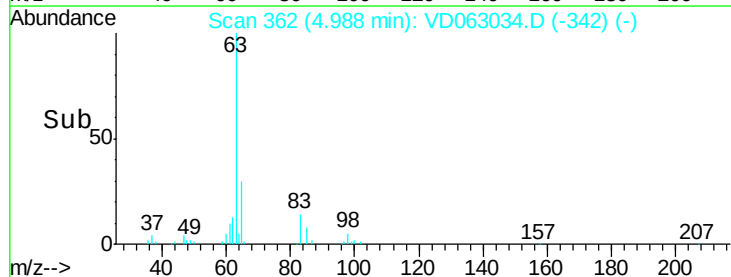
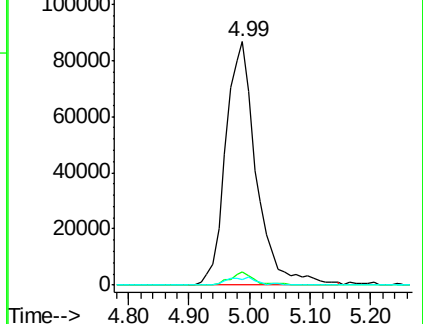
100 2.1 1.7 5.1

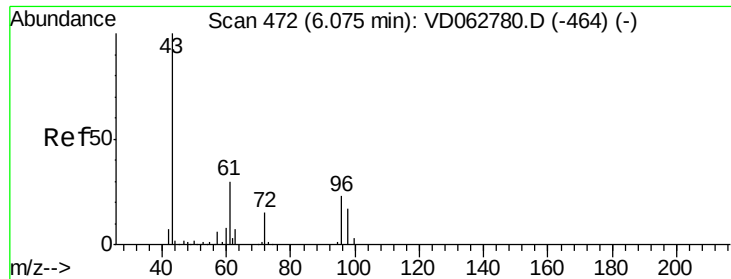


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 101.952 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

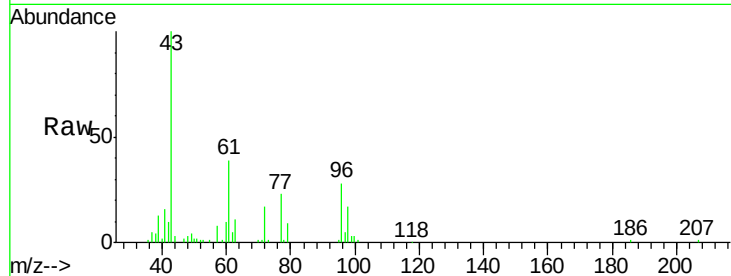
VD0708SBS01

Tot Ion: 43 Resp: 198574

Ion Ratio Lower Upper

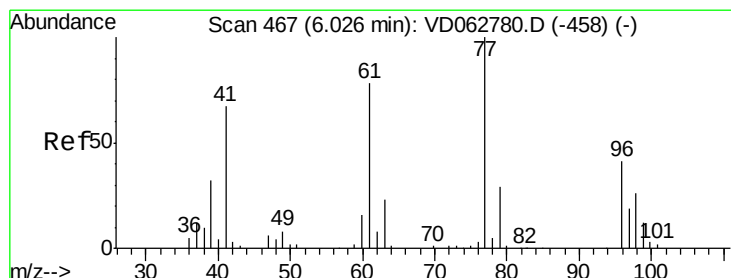
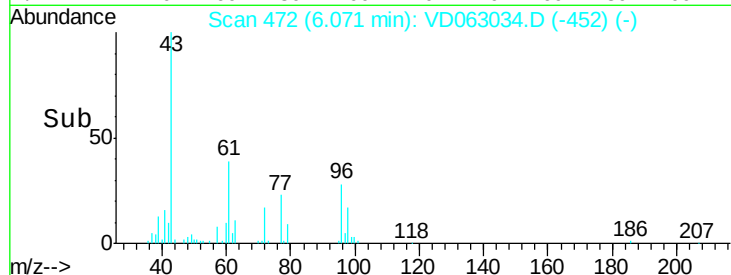
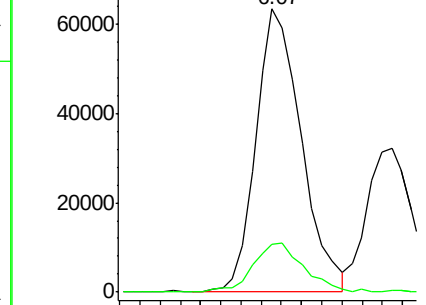
43 100

72 16.9 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: 21.107 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD063034.D

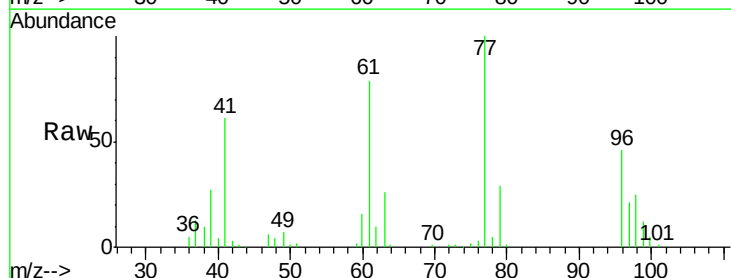
Acq: 8 Jul 2019 14:16

Tgt Ion: 77 Resp: 332813

Ion Ratio Lower Upper

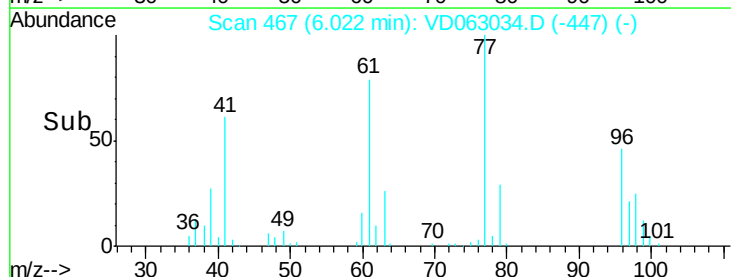
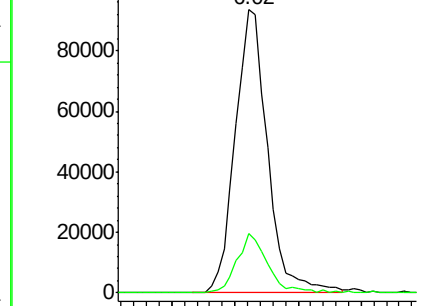
77 100

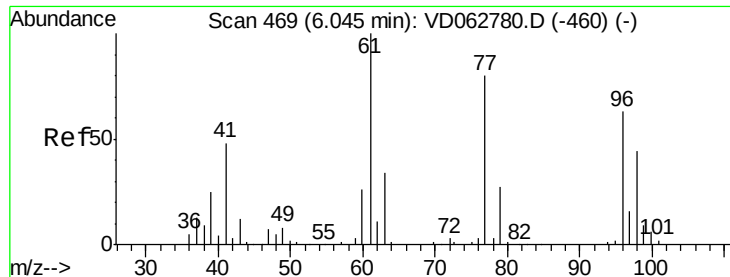
97 20.9 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



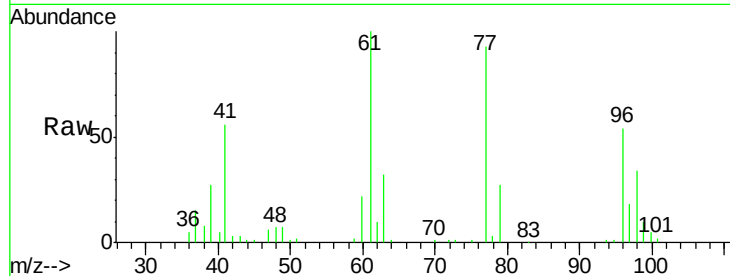


#27

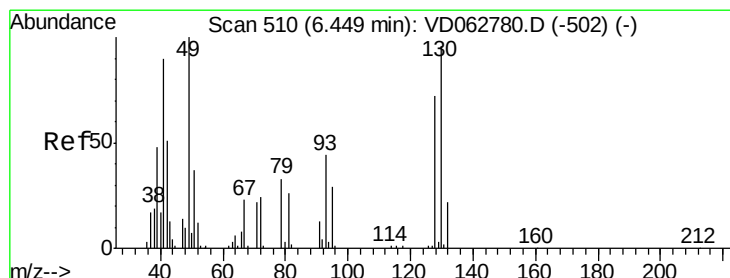
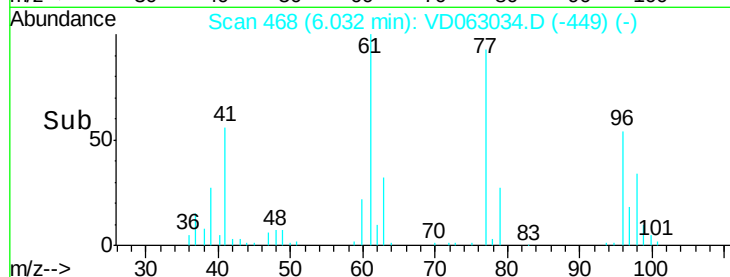
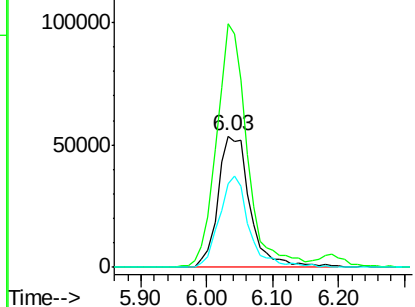
cis-1,2-Dichloroethene
 Concen: 21.312 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

Tot Ion: 96 Resp: 182465
 Ion Ratio Lower Upper
 96 100
 61 185.1 0.0 316.0
 98 63.8 0.0 138.4



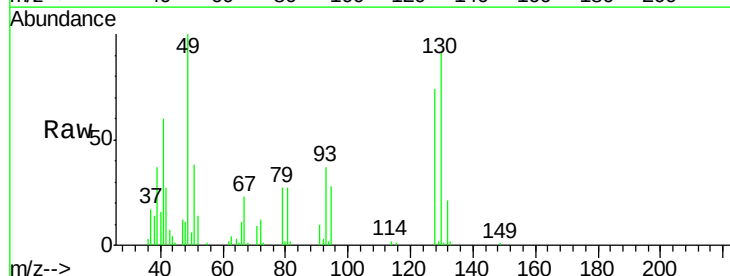
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



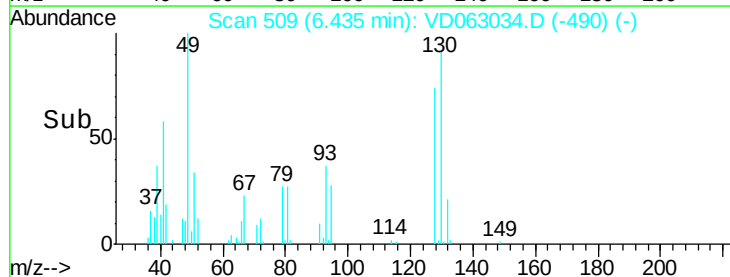
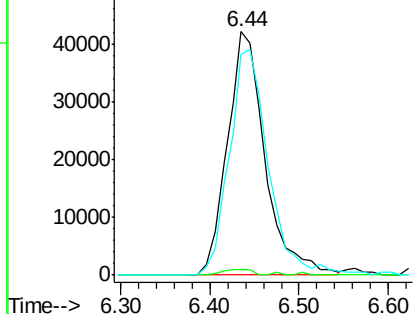
#28

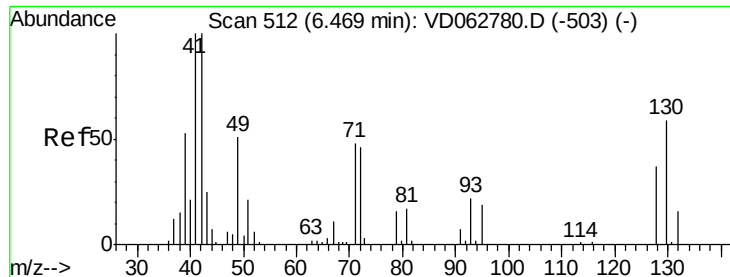
Bromochloromethane
 Concen: 23.710 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

Tgt Ion: 49 Resp: 124224
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 5.6
 130 90.6 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: 101.028 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

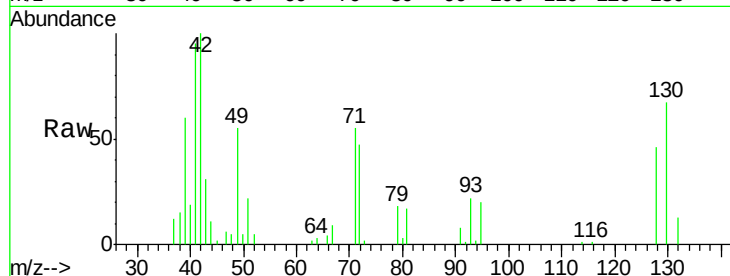
Tot Ion: 42 Resp: 93102

Ion Ratio Lower Upper

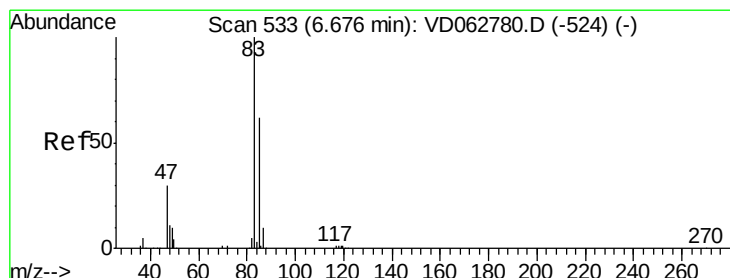
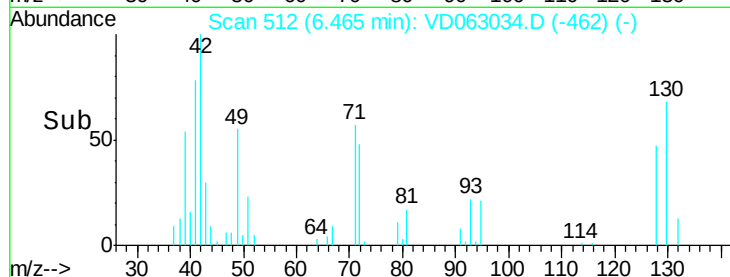
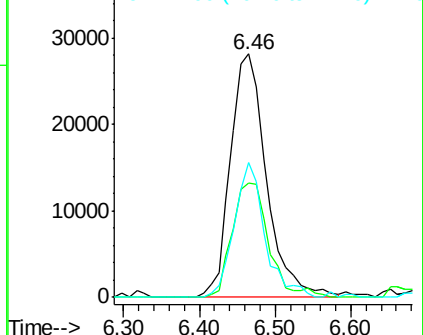
42 100

72 47.4 35.0 52.6

71 46.8 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: 21.099 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD063034.D

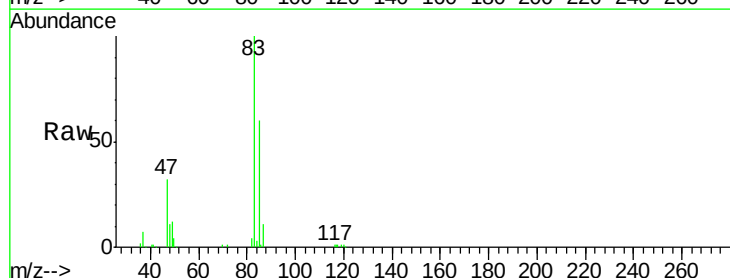
Acq: 8 Jul 2019 14:16

Tgt Ion: 83 Resp: 381708

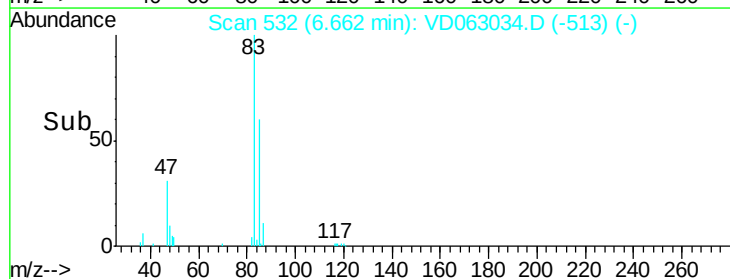
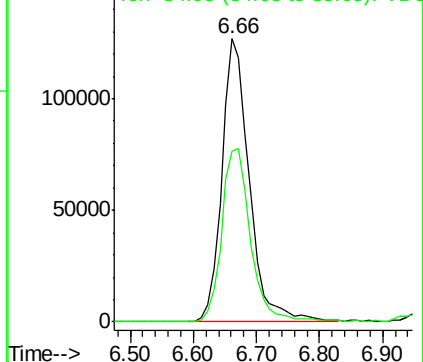
Ion Ratio Lower Upper

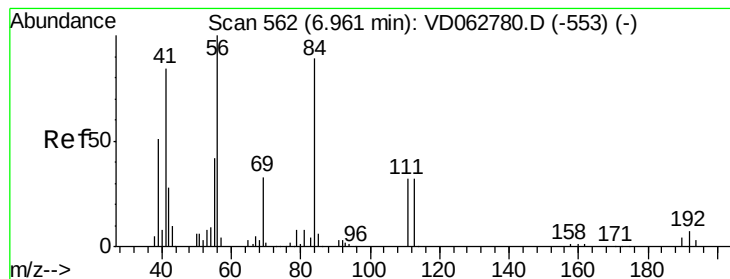
83 100

85 60.3 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: 20.535 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

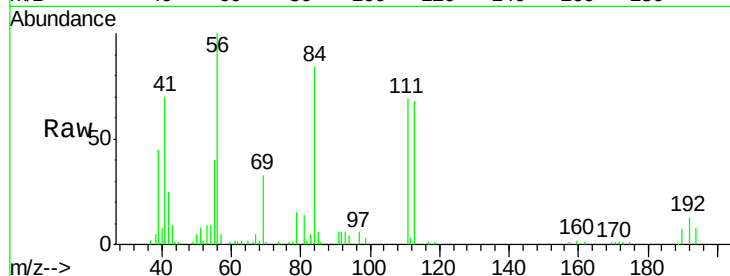
Tot Ion: 56 Resp: 200820

Ion Ratio Lower Upper

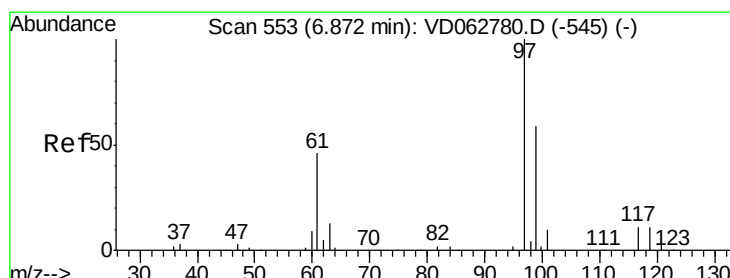
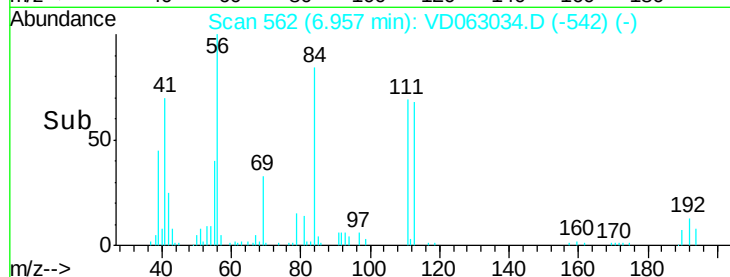
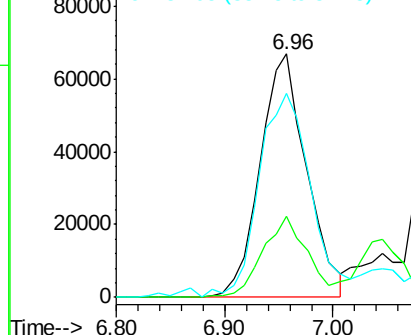
56 100

69 33.4 26.6 39.8

84 84.0 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: 20.547 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

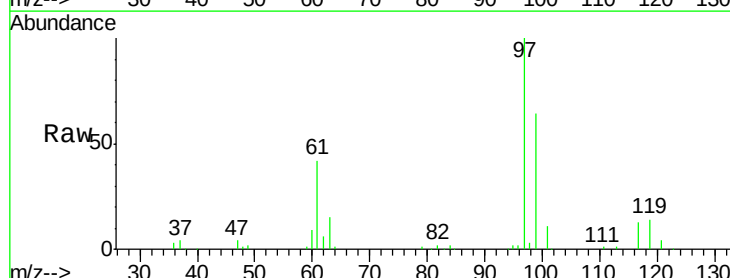
Tgt Ion: 97 Resp: 387183

Ion Ratio Lower Upper

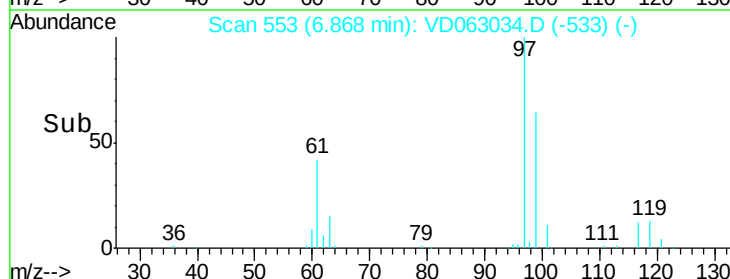
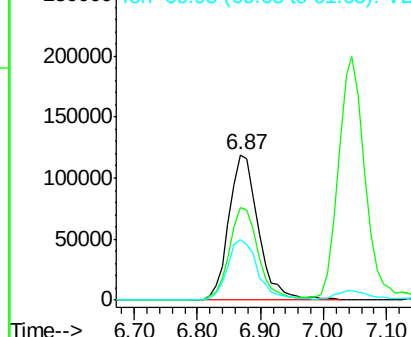
97 100

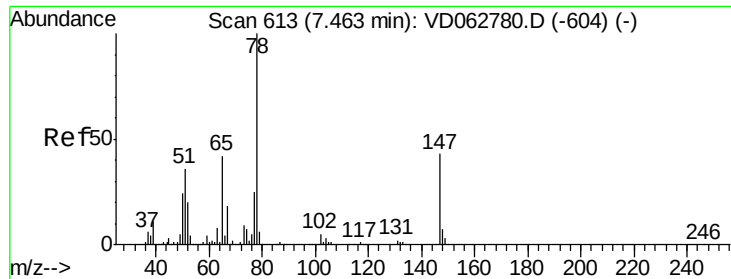
99 63.9 47.4 71.2

61 42.0 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

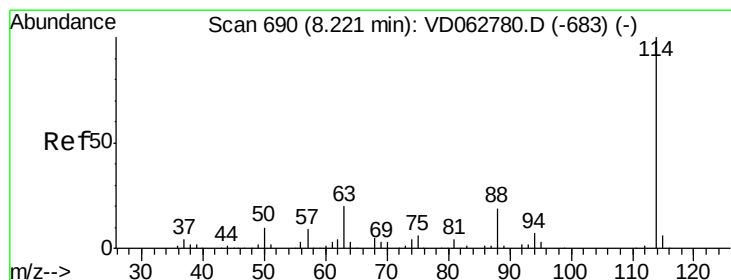
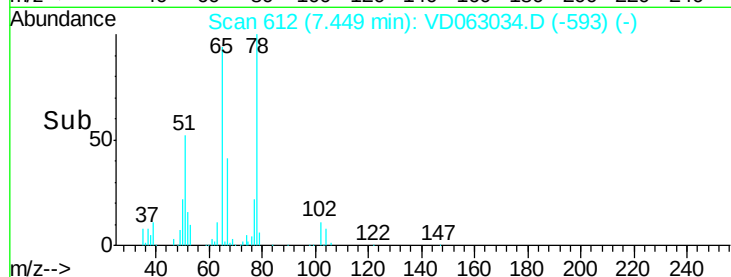
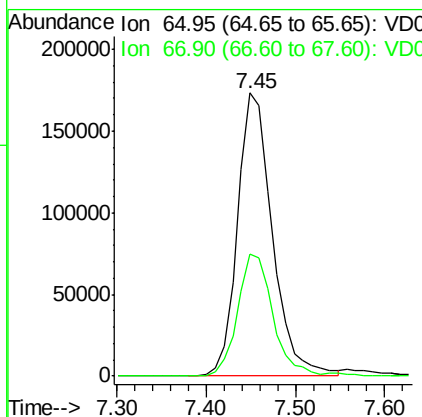
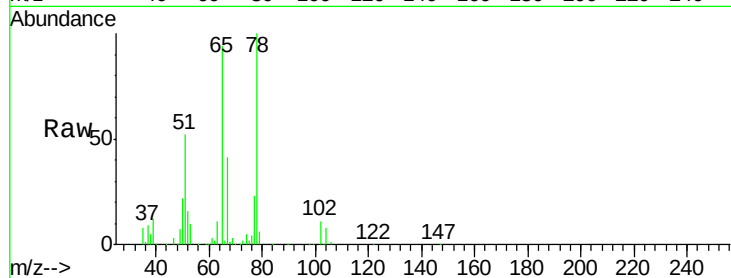




#33
 1,2-Dichloroethane-d4
 Concen: 45.310 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

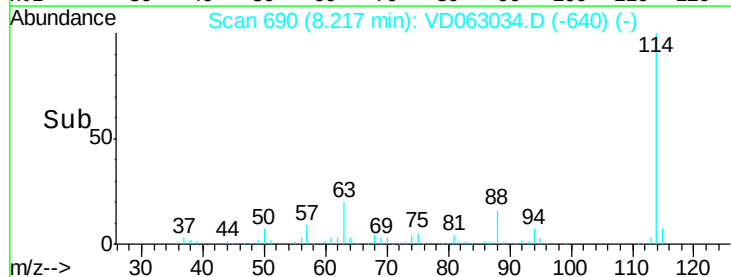
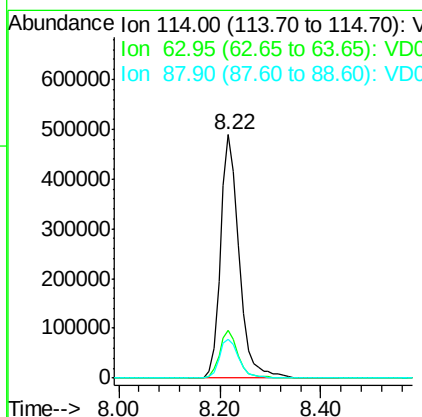
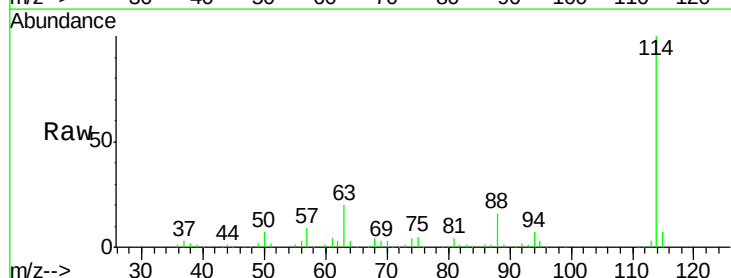
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

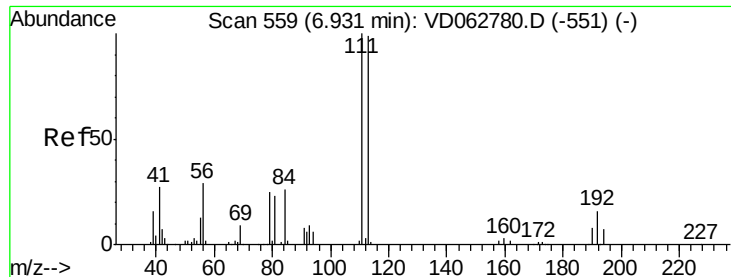
Tot Ion: 65 Resp: 471853
 Ion Ratio Lower Upper
 65 100
 67 43.0 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

Tgt Ion: 114 Resp: 1253905
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 16.1 0.0 38.8

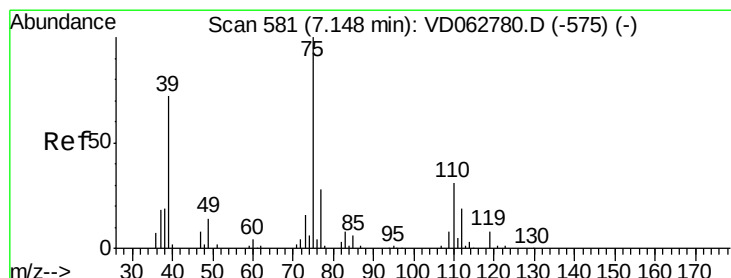
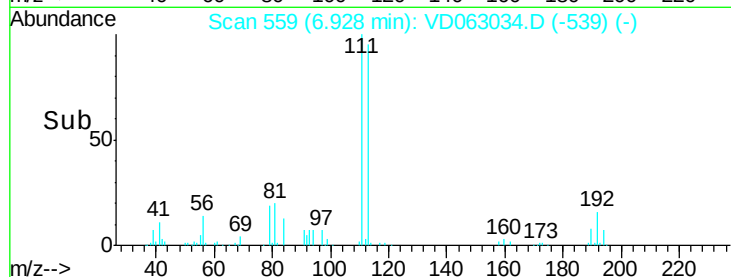
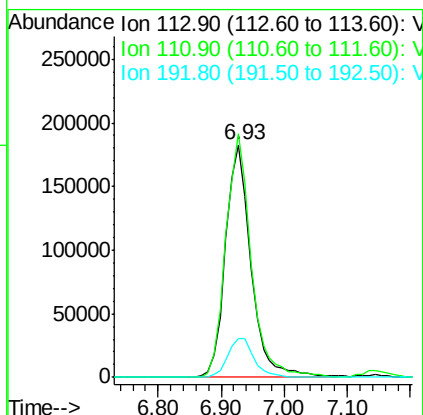
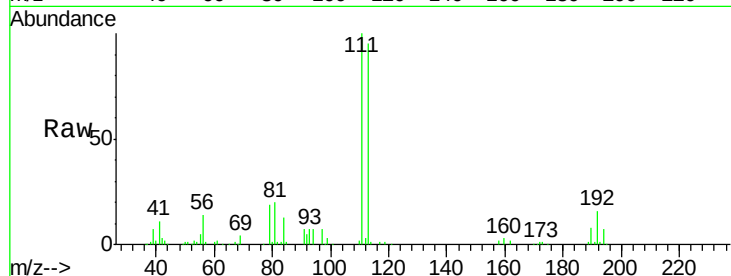




#35
 Dibromofluoromethane
 Concen: 48.380 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

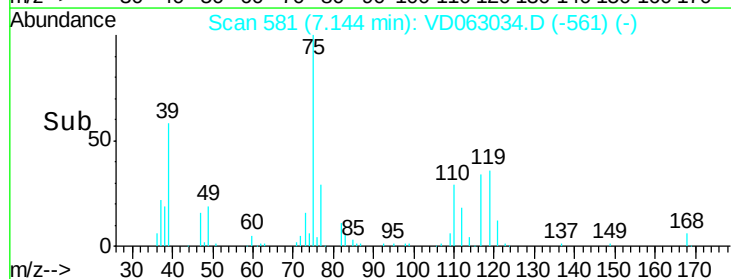
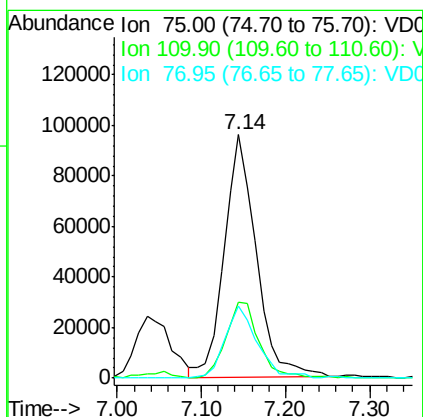
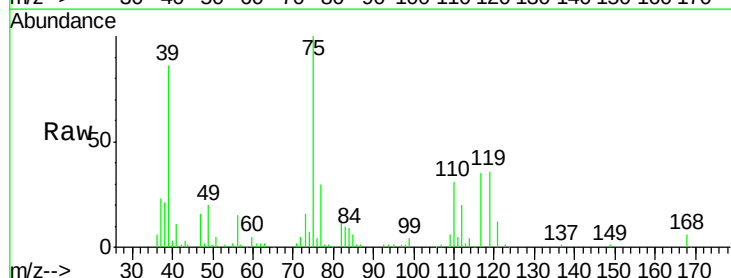
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

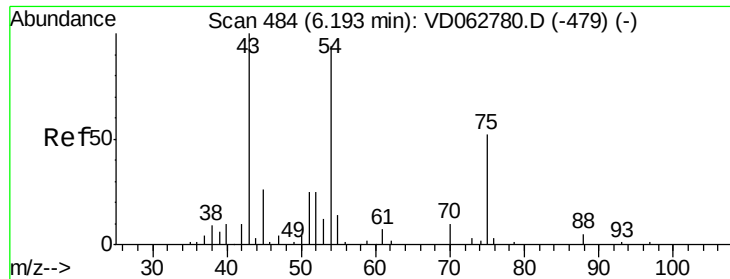
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.2	121.8
192	16.9	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 21.153 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.1	15.0	45.1
77	29.6	22.2	33.2

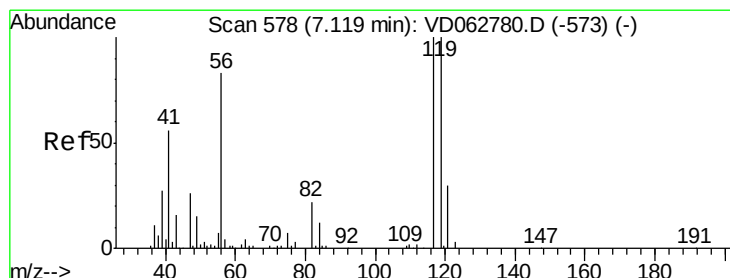
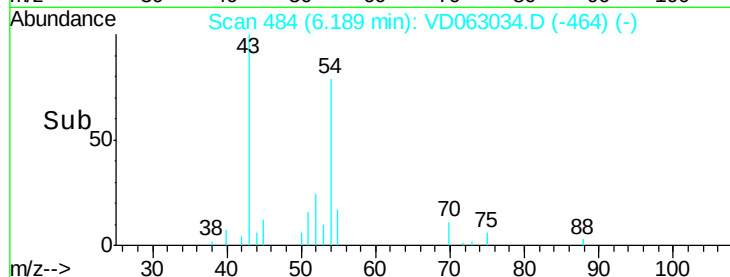
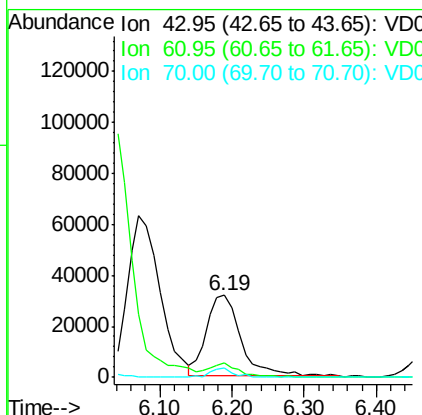
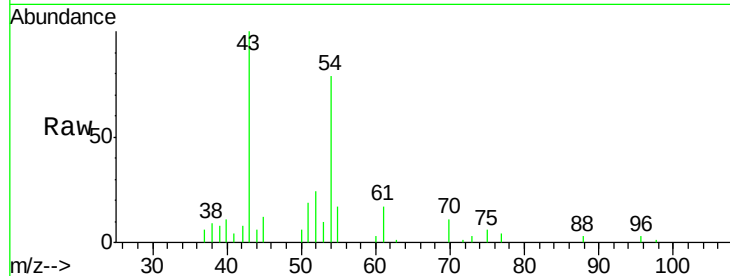




#37
Ethyl Acetate
Concen: 19.515 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

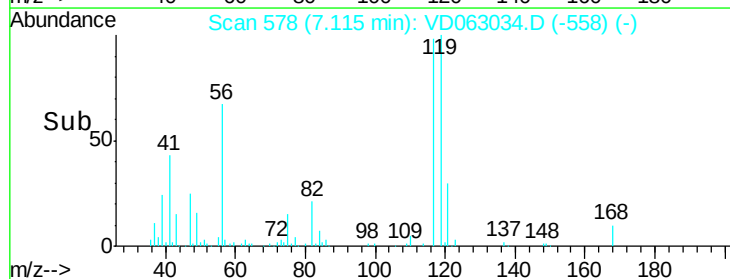
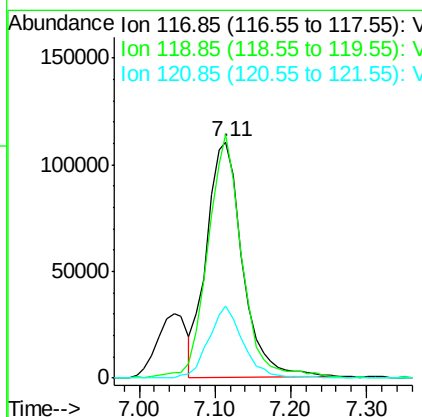
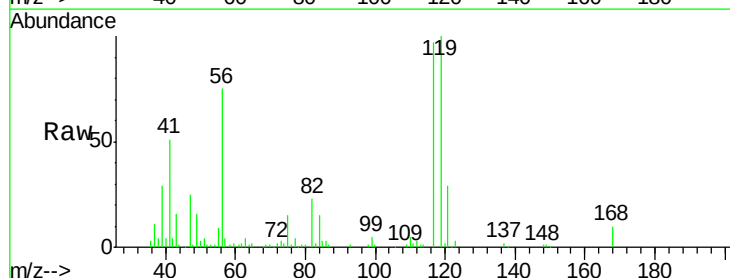
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

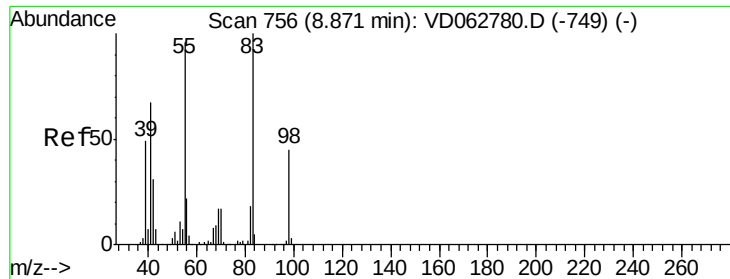
Tot Ion: 43 Resp: 100654
Ion Ratio Lower Upper
43 100
61 17.2 11.6 17.4
70 11.2 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 20.428 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Tgt Ion: 117 Resp: 364686
Ion Ratio Lower Upper
117 100
119 103.0 75.4 113.2
121 30.3 22.3 33.5

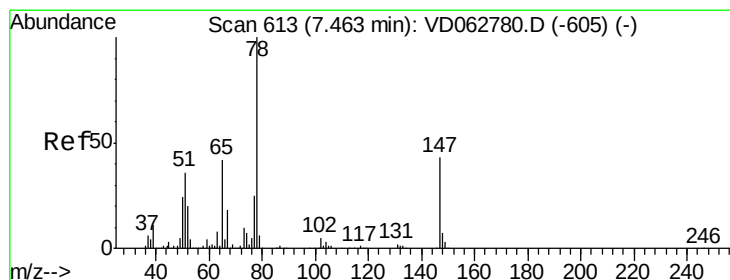
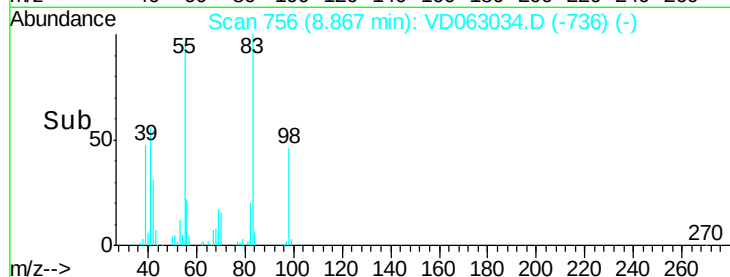
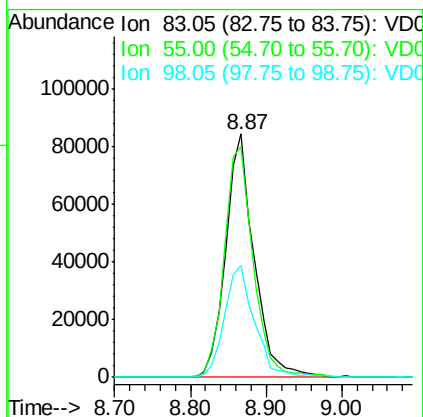
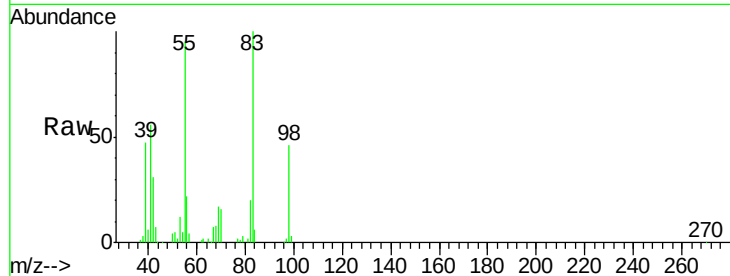




#39
Methvlcvclohexane
Concen: 20.904 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

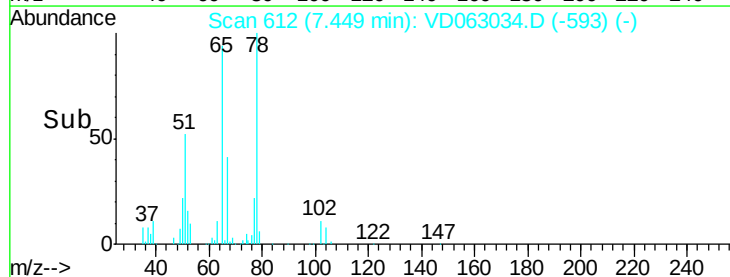
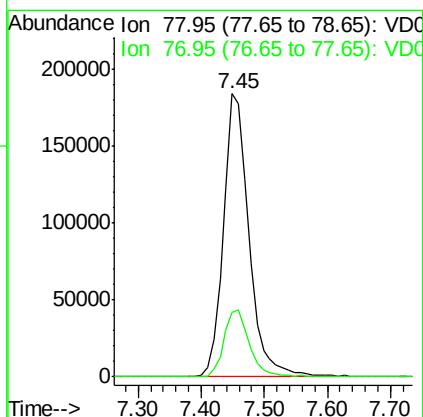
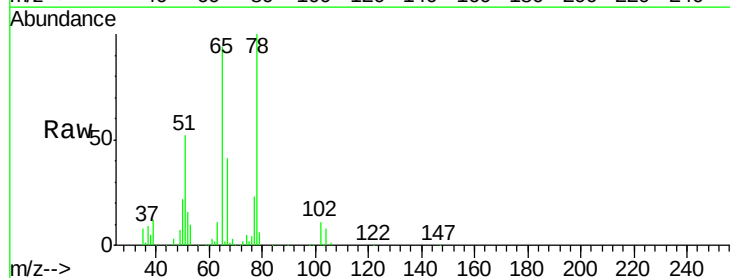
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

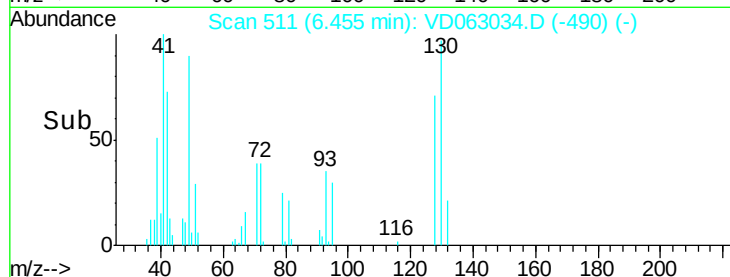
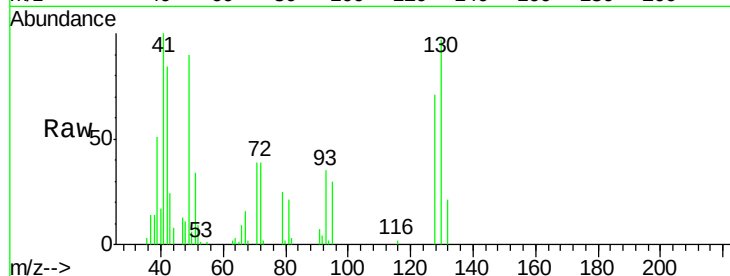
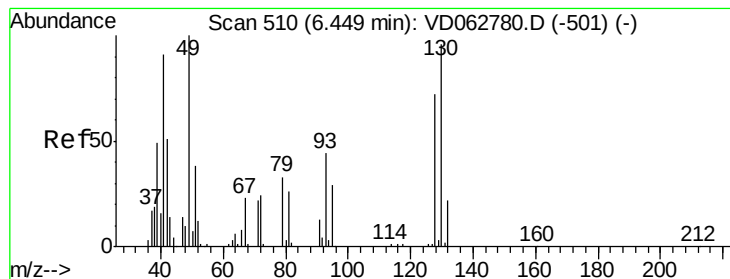
Tot Ion: 83 Resp: 218418
Ion Ratio Lower Upper
83 100
55 95.1 76.6 115.0
98 45.9 35.7 53.5



#40
Benzene
Concen: 21.658 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Tgt Ion: 78 Resp: 516045
Ion Ratio Lower Upper
78 100
77 22.7 20.2 30.2





#41

Methacrylonitrile

Concen: 20.824 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

Tot Ion: 41 Resp: 130355

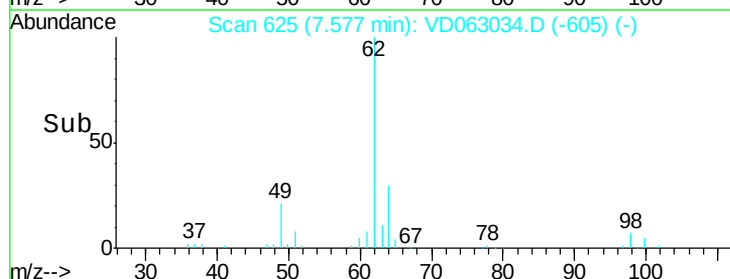
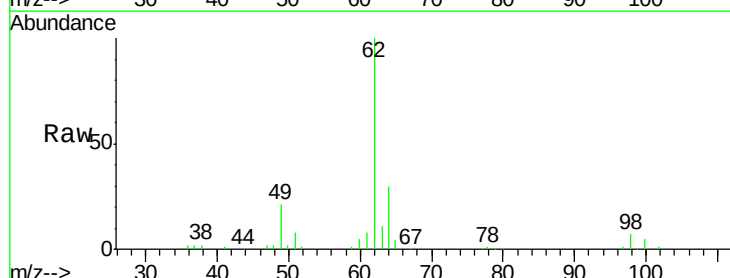
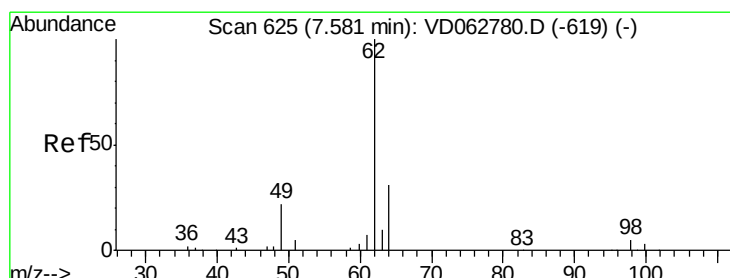
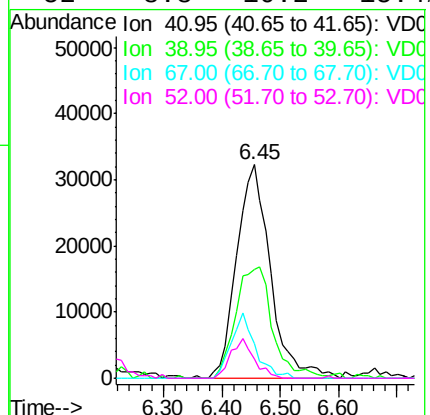
Ion Ratio Lower Upper

41 100

39 50.9 43.2 64.8

67 16.0 19.9 29.9#

52 8.8 10.2 15.4#



#42

1,2-Dichloroethane

Concen: 20.699 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.00 min

Lab File: VD063034.D

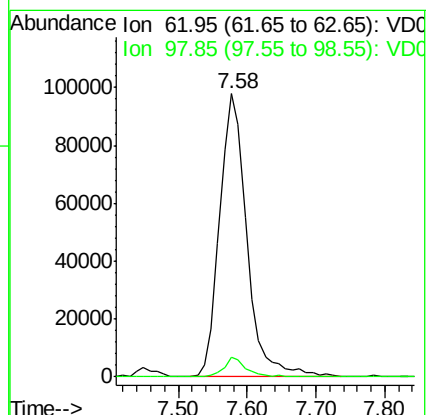
Acq: 8 Jul 2019 14:16

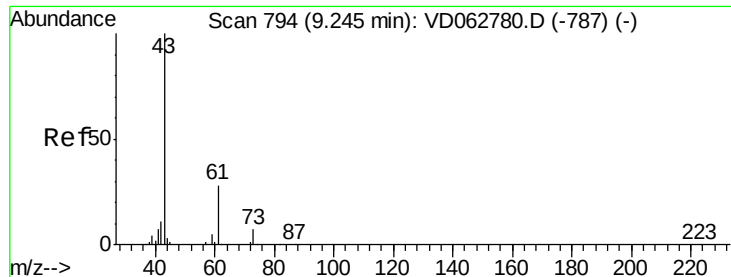
Tgt Ion: 62 Resp: 269050

Ion Ratio Lower Upper

62 100

98 6.9 0.0 10.0





#43

Isopropyl Acetate

Concen: 20.378 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

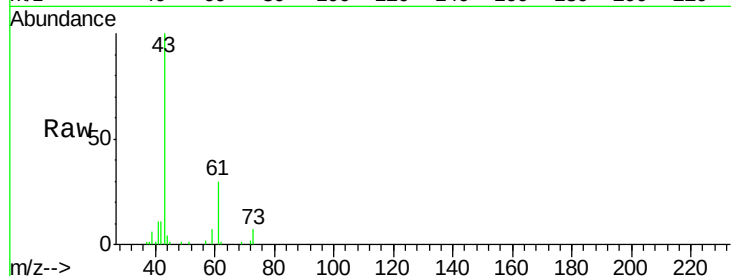
Tot Ion: 43 Resp: 126811

Ion Ratio Lower Upper

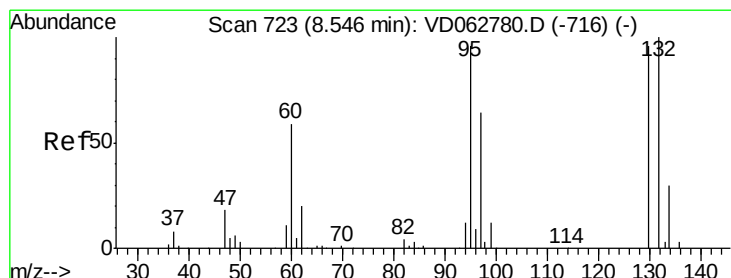
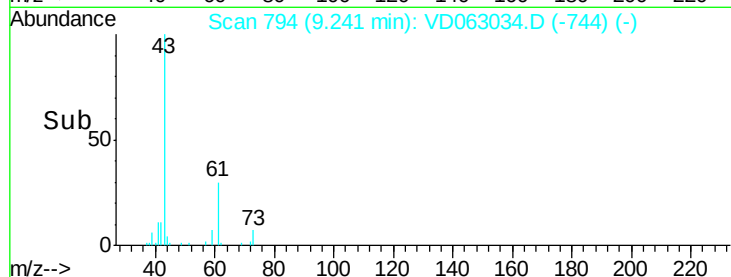
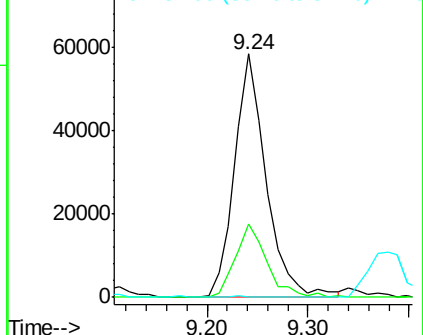
43 100

61 30.4 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: 22.037 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD063034.D

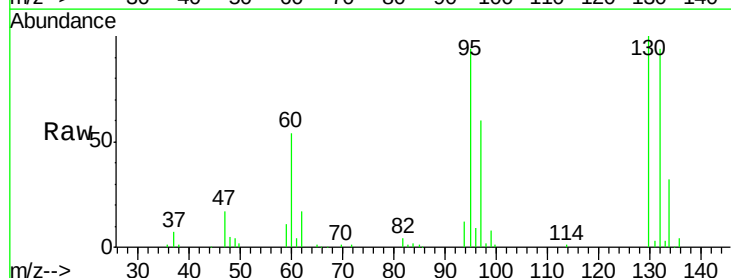
Acq: 8 Jul 2019 14:16

Tgt Ion:130 Resp: 205852

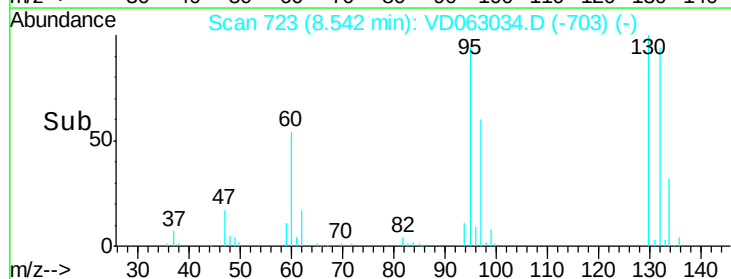
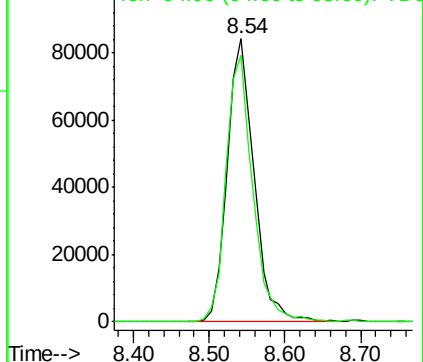
Ion Ratio Lower Upper

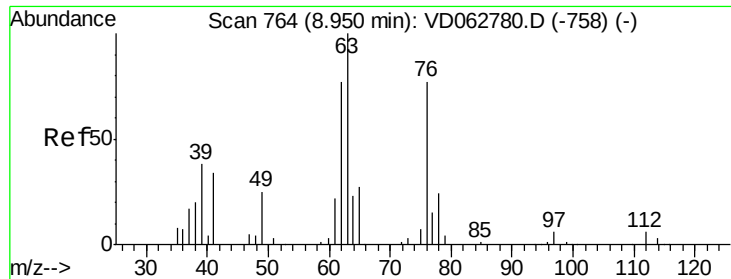
130 100

95 94.1 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

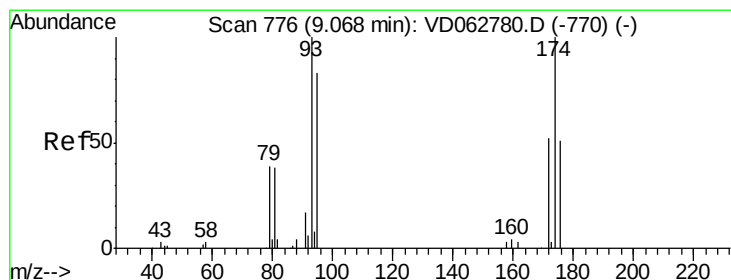
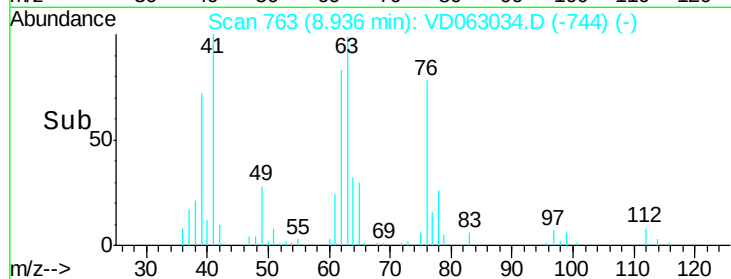
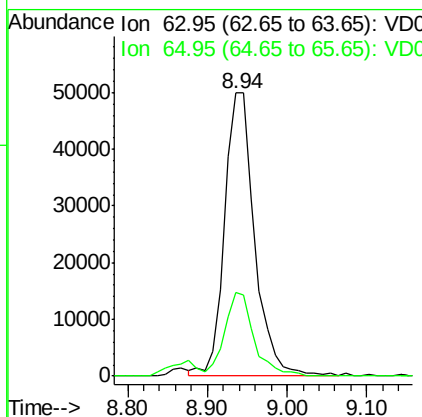
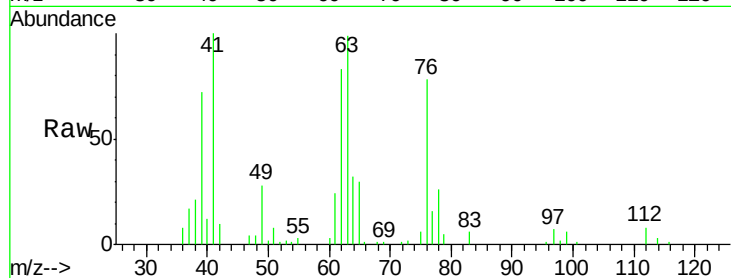




#45
 1,2-Dichloropropane
 Concen: 22.349 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

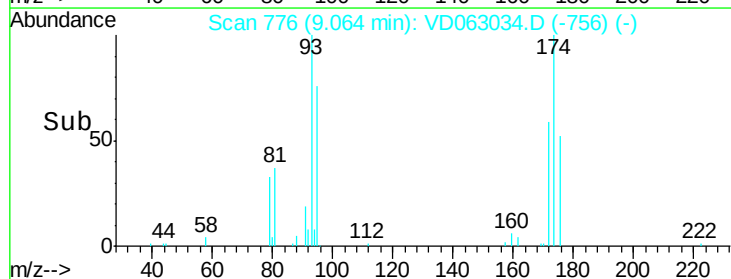
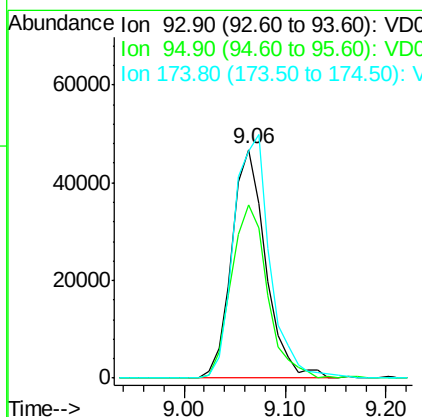
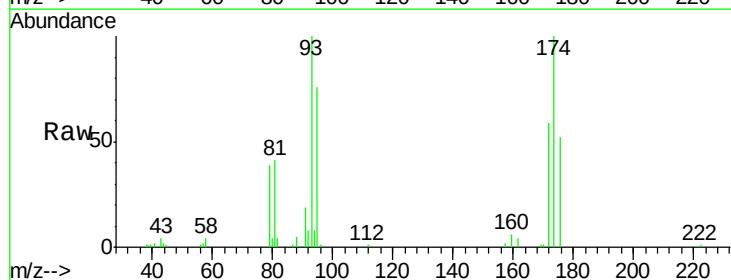
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

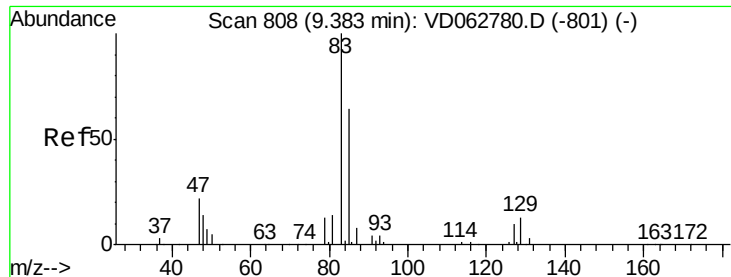
Tot Ion: 63 Resp: 132409
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.2 36.2



#46
 Dibromomethane
 Concen: 21.567 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

Tgt Ion: 93 Resp: 109762
 Ion Ratio Lower Upper
 93 100
 95 75.8 66.6 100.0
 174 99.5 79.7 119.5





#47

Bromodichloromethane

Concen: 21.124 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

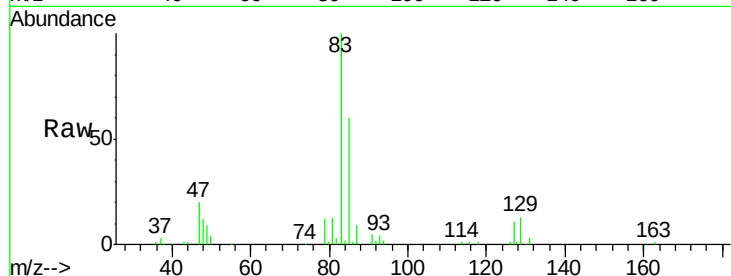
Tot Ion: 83 Resp: 279205

Ion Ratio Lower Upper

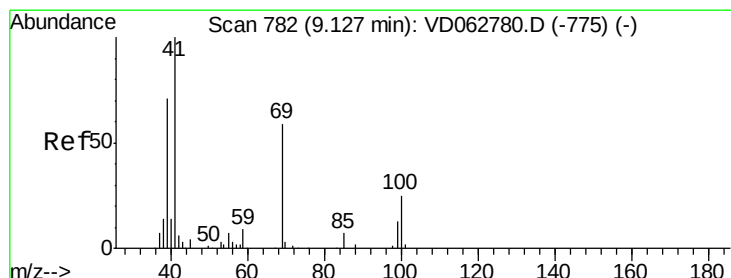
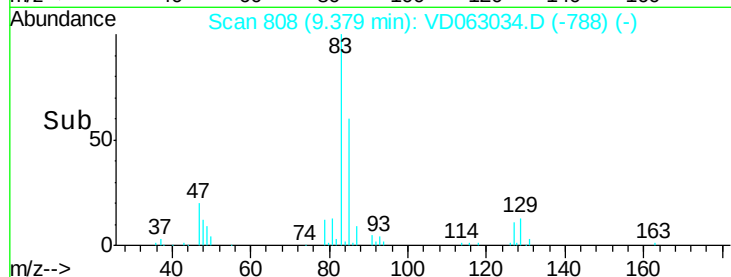
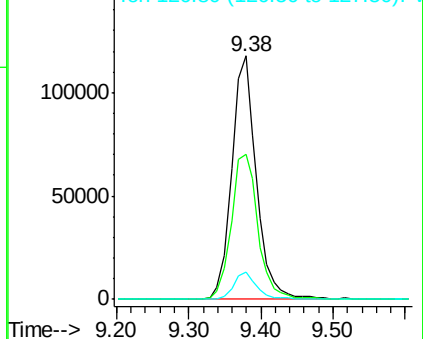
83 100

85 59.7 51.6 77.4

127 11.4 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: 21.995 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

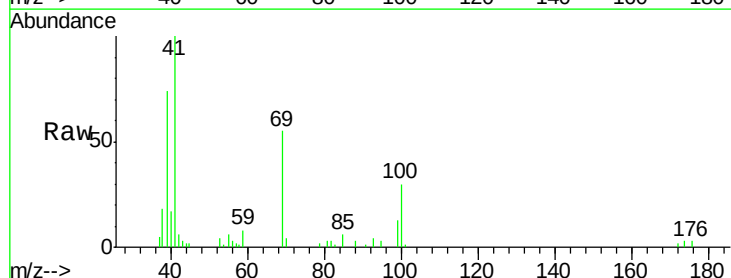
Tgt Ion: 41 Resp: 97266

Ion Ratio Lower Upper

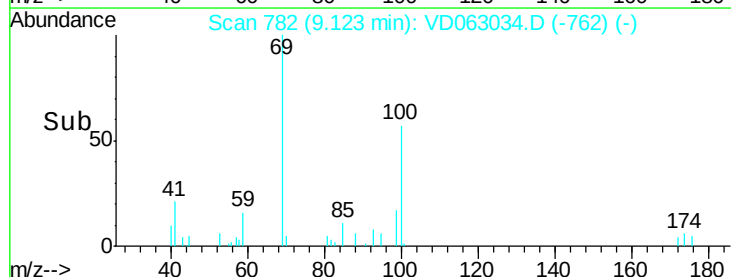
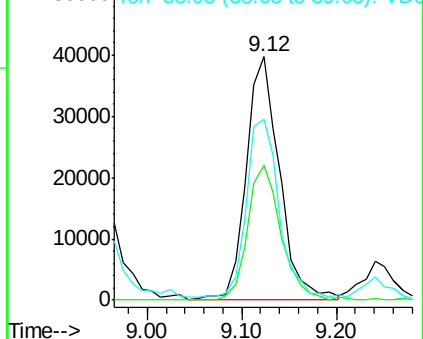
41 100

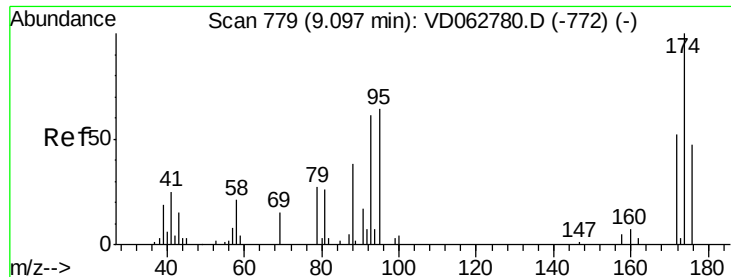
69 55.2 47.2 70.8

39 74.1 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

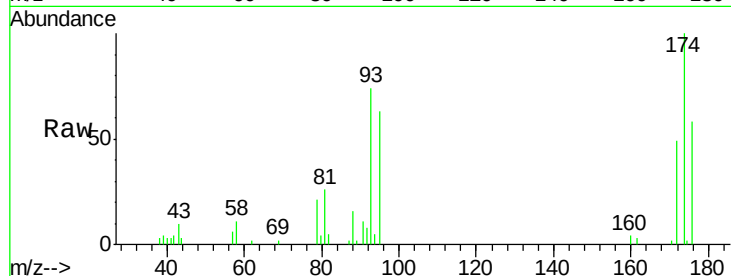




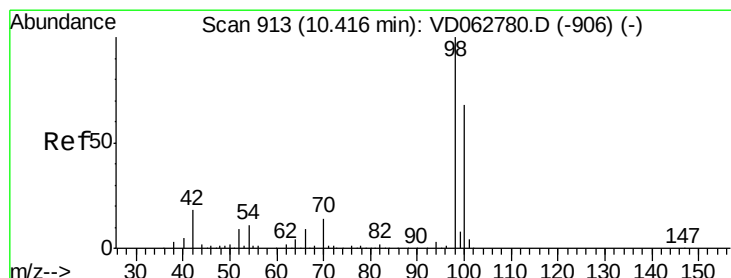
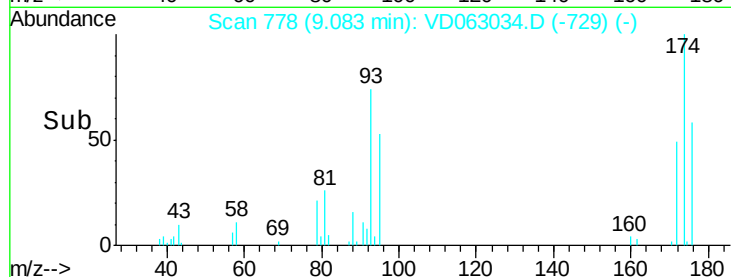
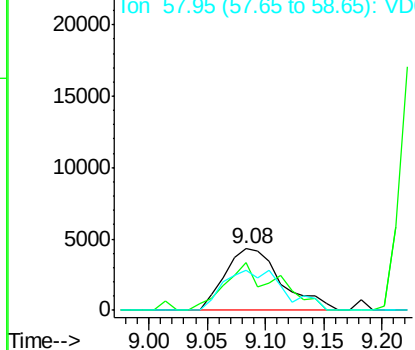
#49
1,4-Dioxane
Concen: 392.424 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion: 88 Resp: 14438
Ion Ratio Lower Upper
88 100
43 77.3 32.1 48.1#
58 65.5 44.1 66.1

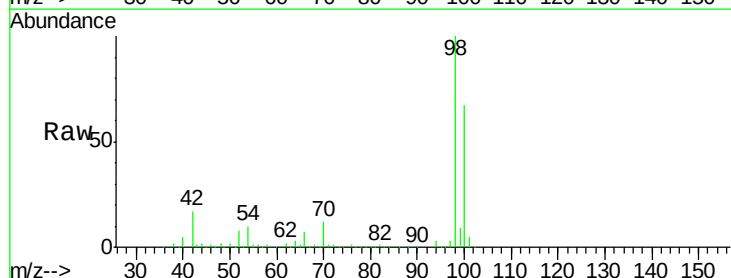


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

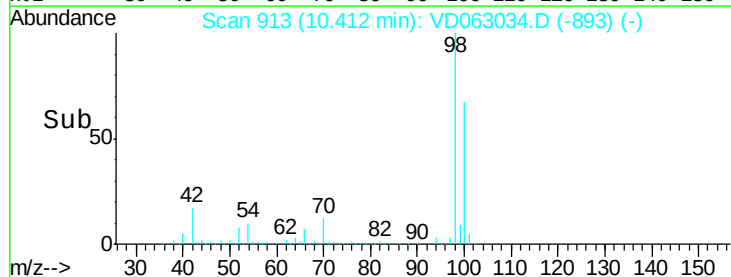
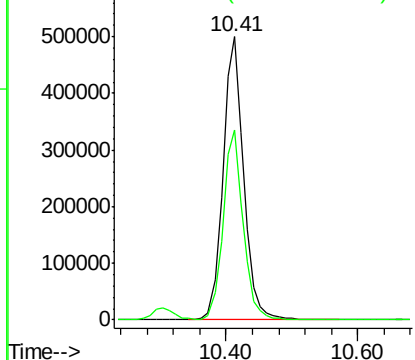


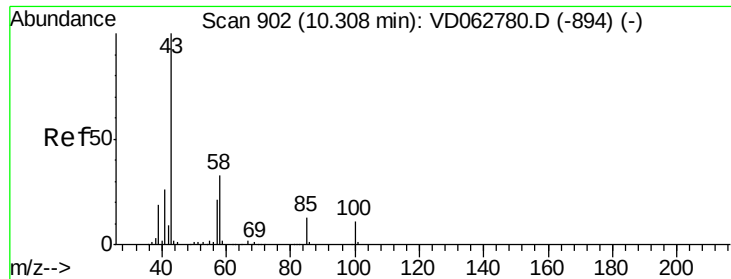
#50
Toluene-d8
Concen: 47.177 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Tgt Ion: 98 Resp: 1085606
Ion Ratio Lower Upper
98 100
100 67.3 54.7 82.1



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

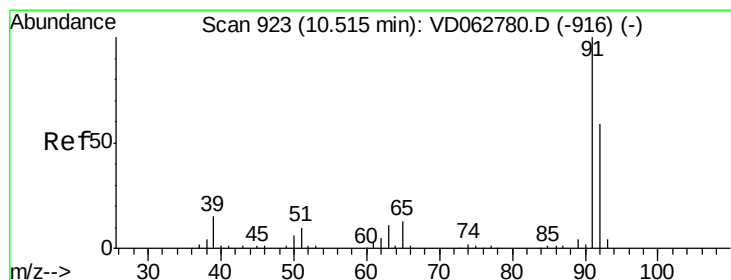
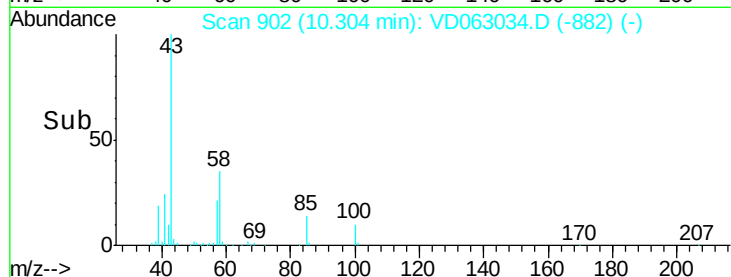
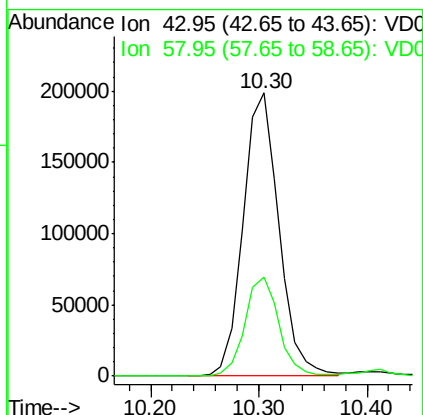
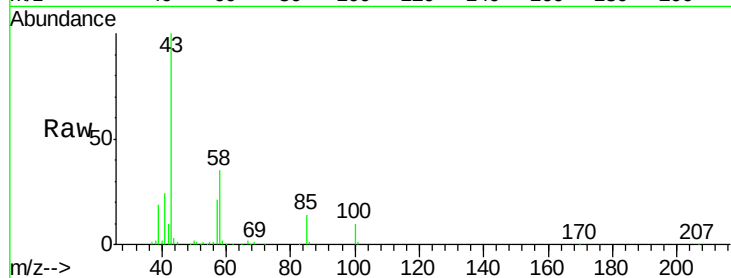




#51
4-Methyl-2-Pentanone
Concen: 104.118 ug/l
RT: 10.30 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

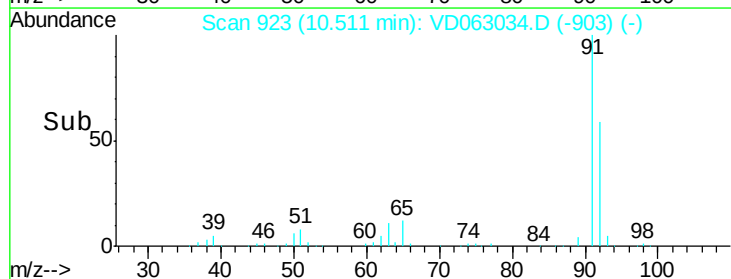
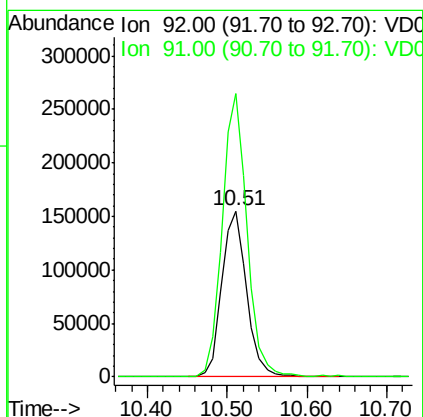
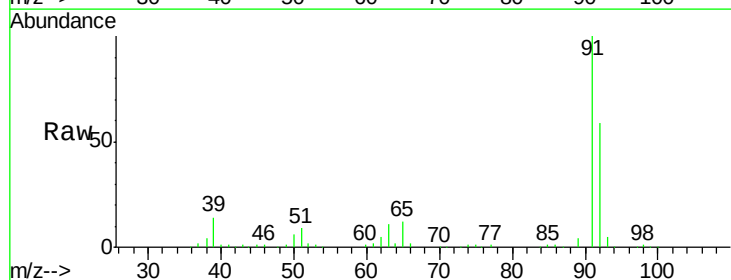
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

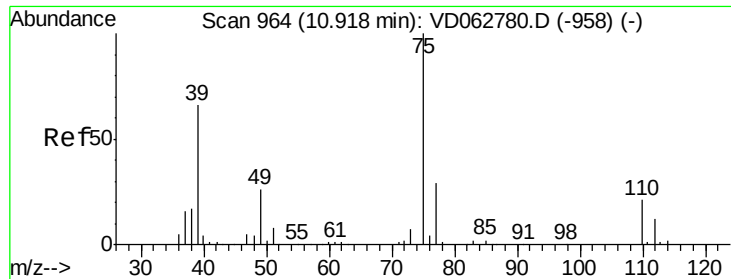
Tot Ion: 43 Resp: 459380
Ion Ratio Lower Upper
43 100
58 34.9 26.6 40.0



#52
Toluene
Concen: 21.320 ug/l
RT: 10.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Tgt Ion: 92 Resp: 341462
Ion Ratio Lower Upper
92 100
91 170.7 136.3 204.5

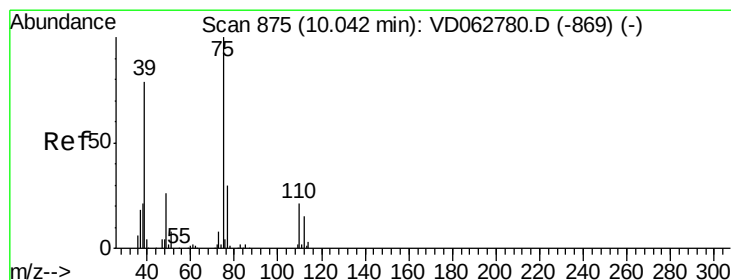
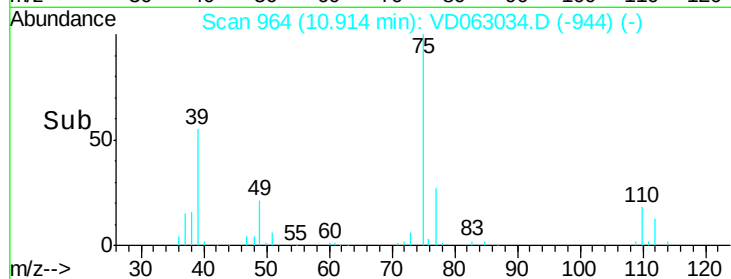
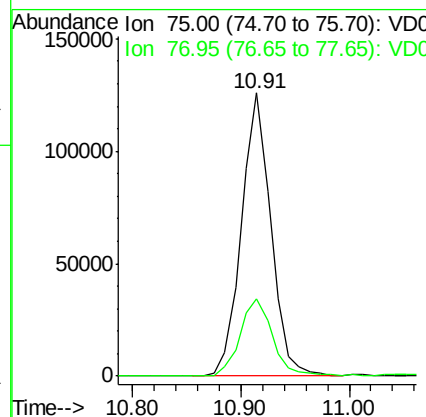
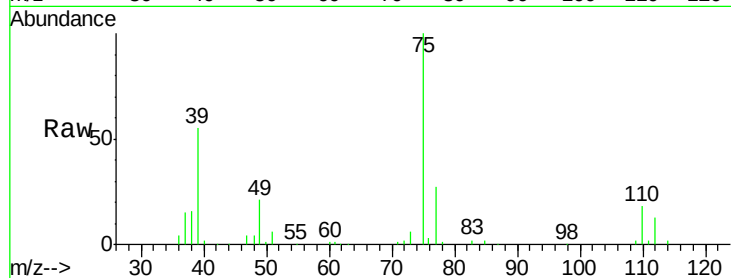




#53
 t-1,3-Dichloropropene
 Concen: 22.038 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

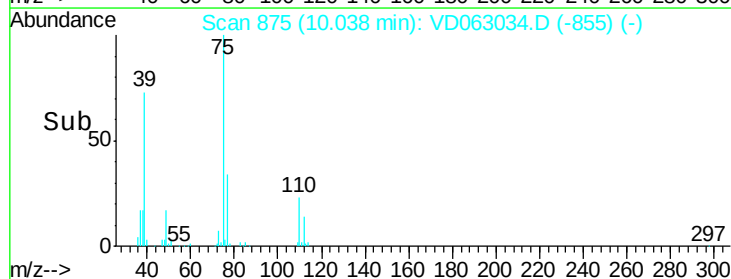
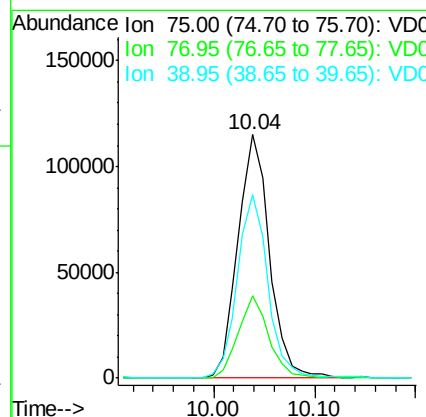
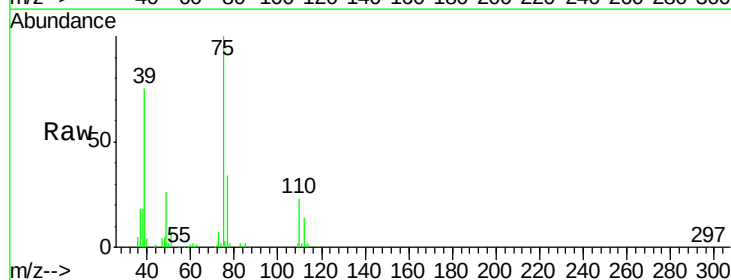
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

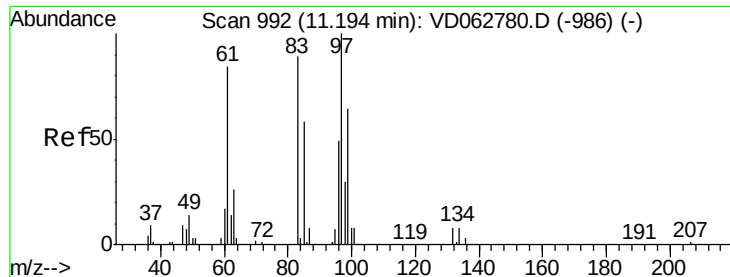
Tot Ion: 75 Resp: 238414
 Ion Ratio Lower Upper
 75 100
 77 27.4 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.349 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

Tgt Ion: 75 Resp: 251041
 Ion Ratio Lower Upper
 75 100
 77 34.0 24.2 36.2
 39 75.5 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 20.780 ug/l

RT: 11.19 min Scan# 992

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

Tot Ion: 97 Resp: 114342

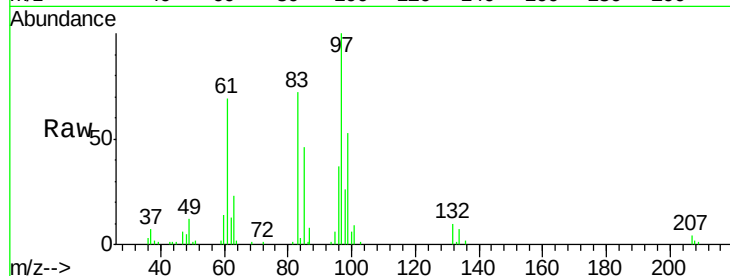
Ion Ratio Lower Upper

97 100

83 72.1 71.0 106.4

85 45.8 46.6 69.8#

99 52.7 51.4 77.0

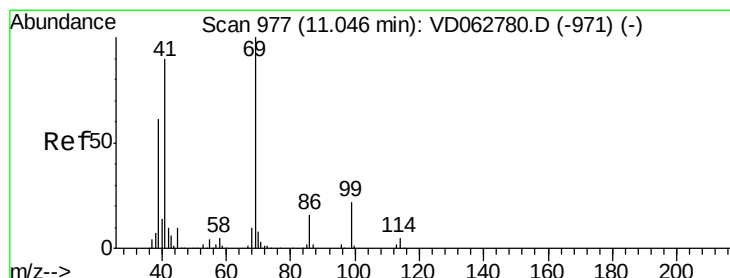
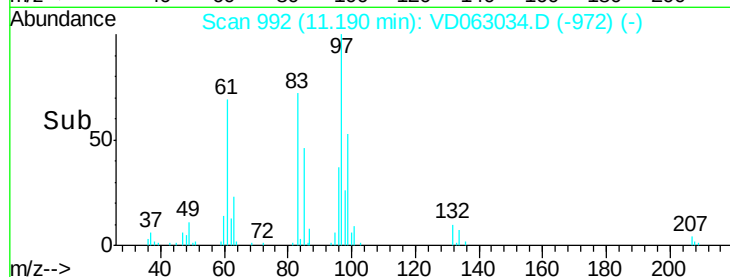
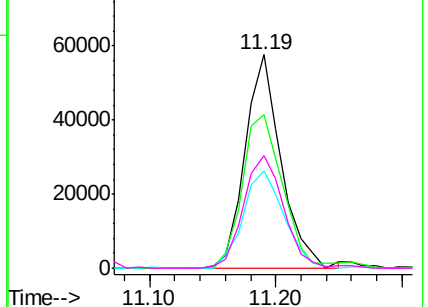


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 21.575 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

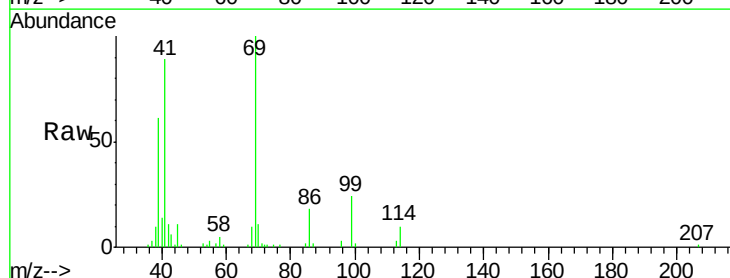
Tgt Ion: 69 Resp: 126875

Ion Ratio Lower Upper

69 100

41 88.7 72.0 108.0

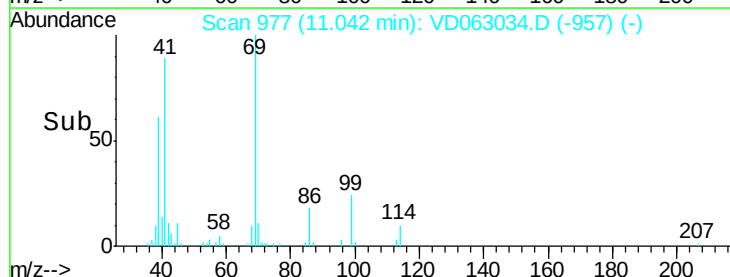
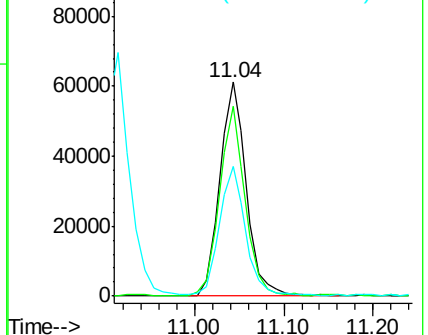
39 61.0 49.5 74.3

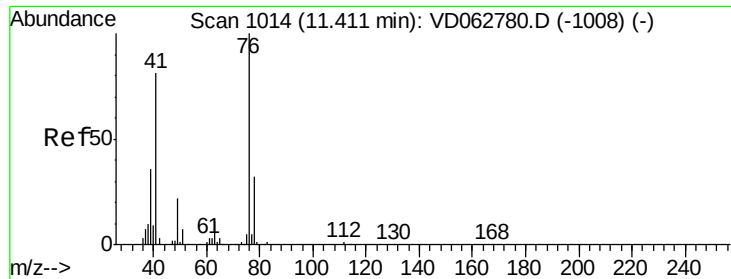


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.971 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

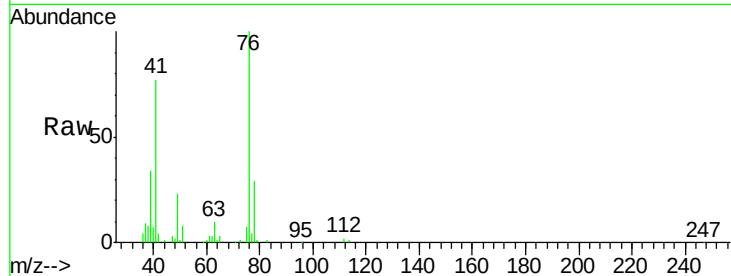
VD0708SBS01

Tot Ion: 76 Resp: 185112

Ion Ratio Lower Upper

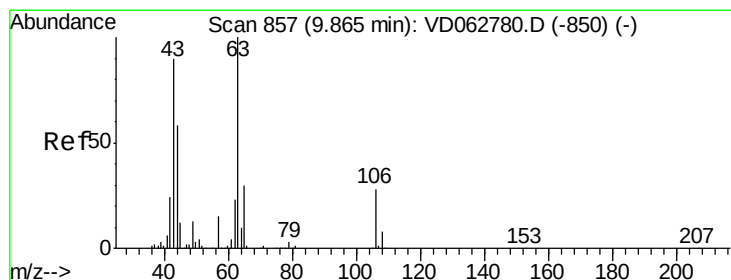
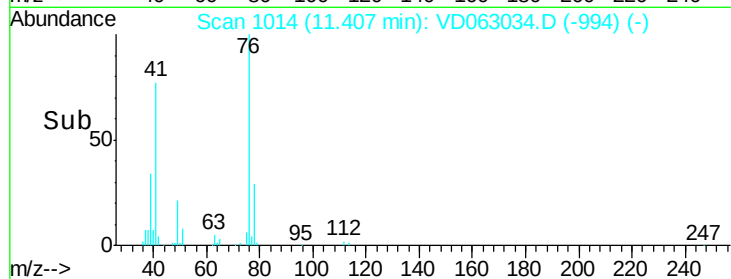
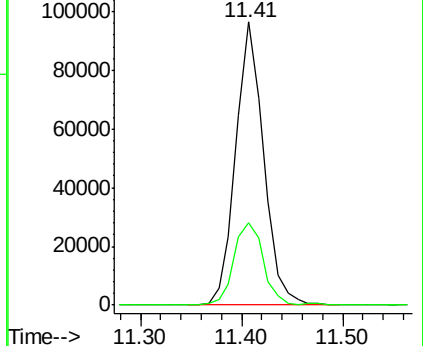
76 100

78 29.3 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: 111.336 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD063034.D

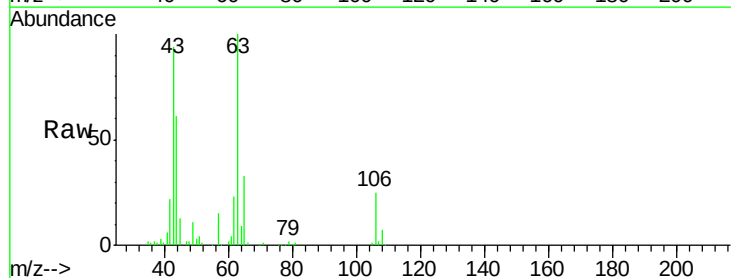
Acq: 8 Jul 2019 14:16

Tgt Ion: 63 Resp: 336123

Ion Ratio Lower Upper

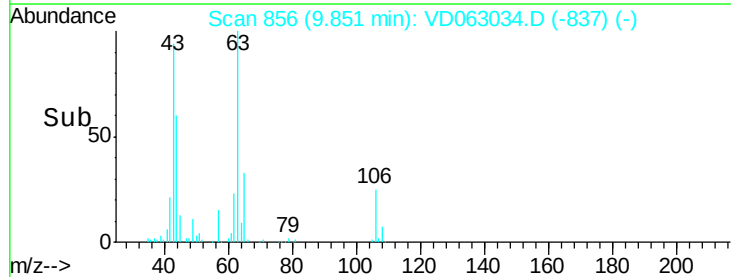
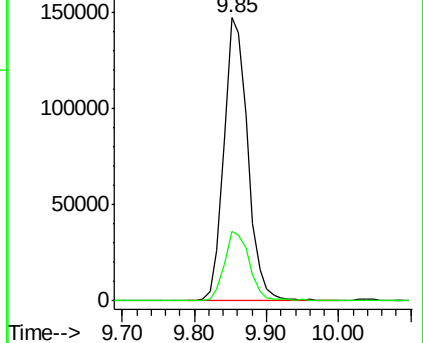
63 100

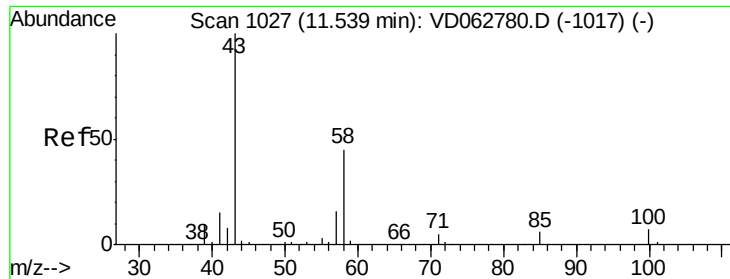
106 24.6 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

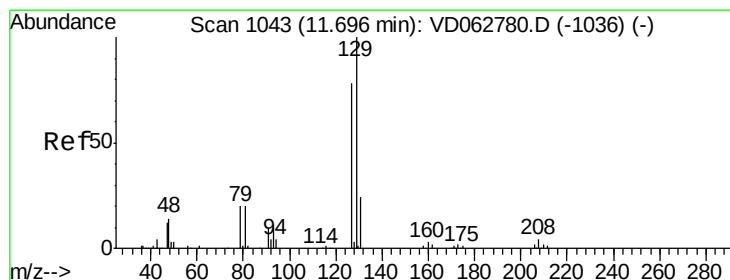
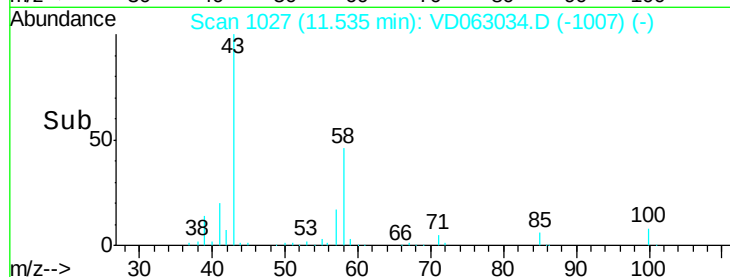
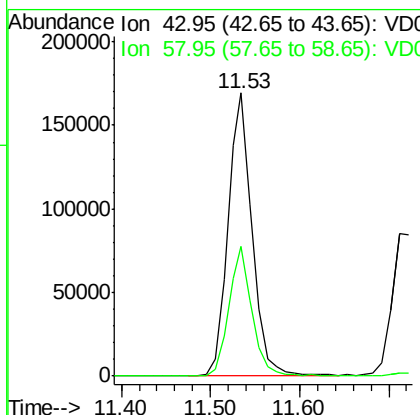
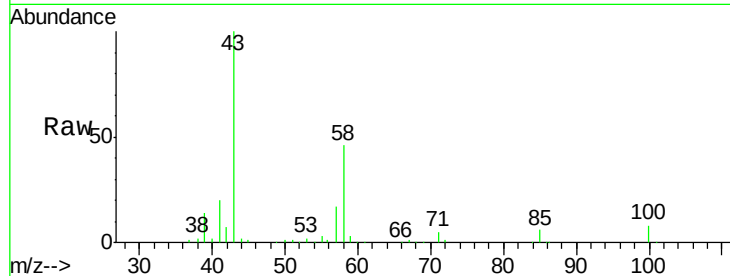




#59
2-Hexanone
Concen: 102.443 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

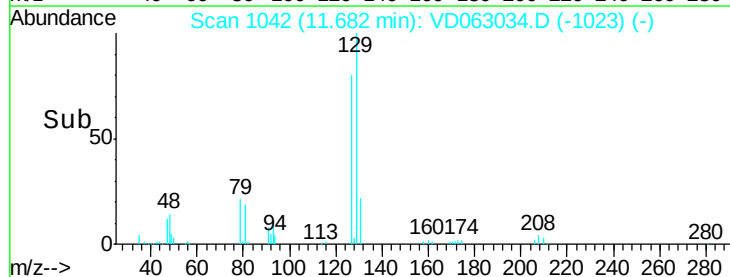
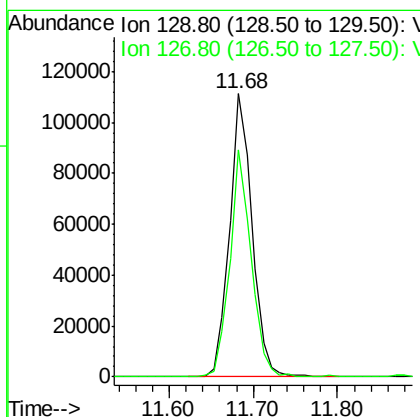
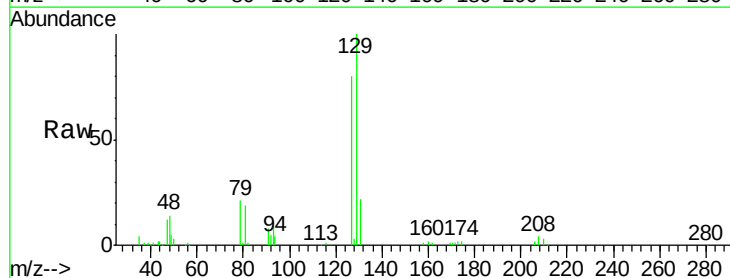
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

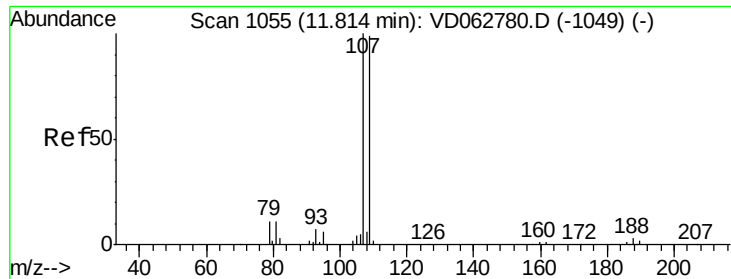
Tot Ion: 43 Resp: 321902
Ion Ratio Lower Upper
43 100
58 46.0 22.4 67.2



#60
Dibromochloromethane
Concen: 20.244 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Tgt Ion: 129 Resp: 207485
Ion Ratio Lower Upper
129 100
127 80.2 38.9 116.6

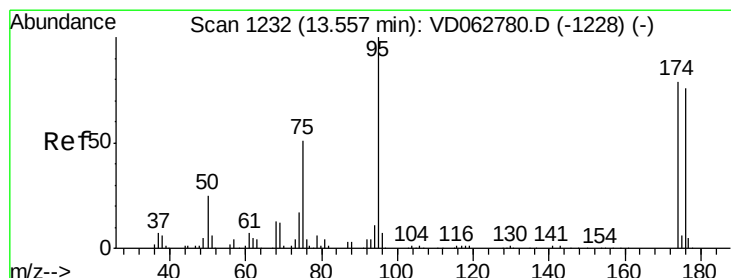
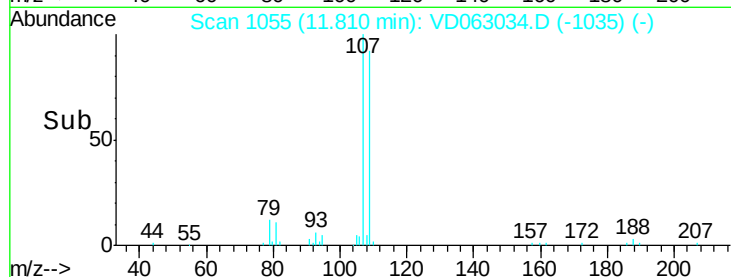
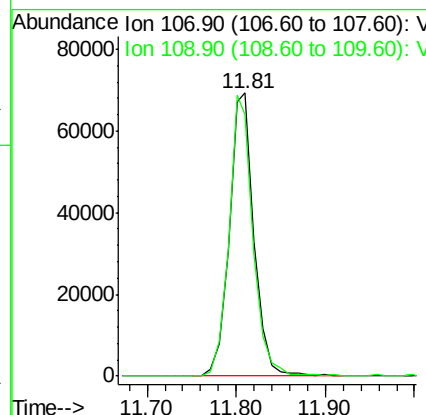
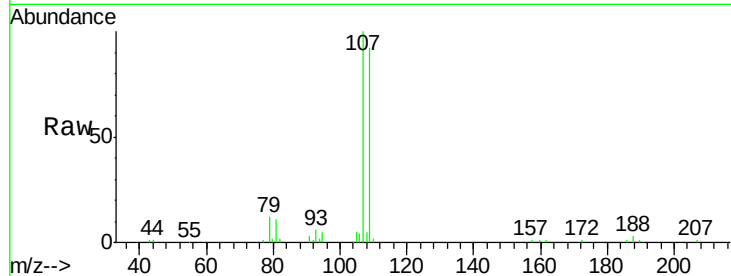




#61
 1,2-Dibromoethane
 Concen: 20.670 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

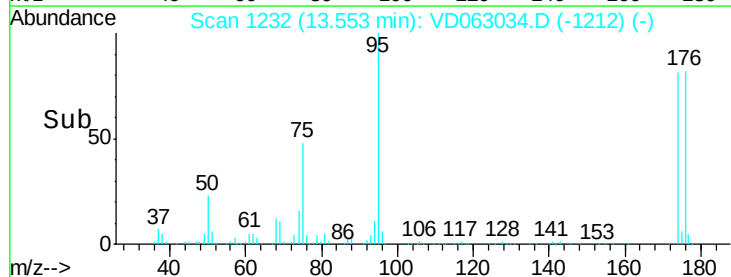
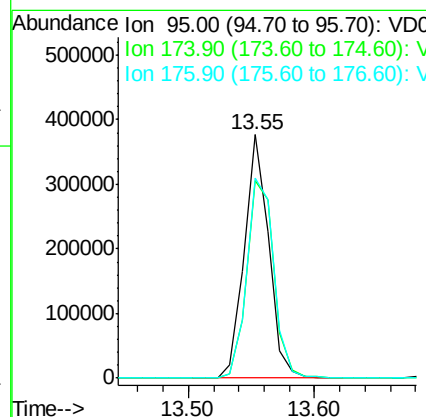
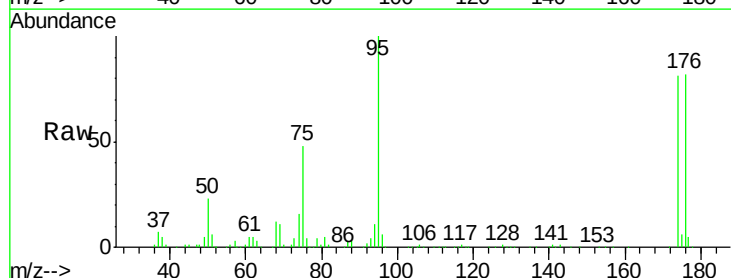
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

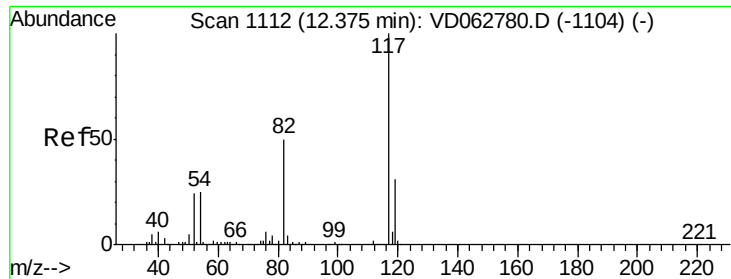
Tot Ion:107 Resp: 134333
 Ion Ratio Lower Upper
 107 100
 109 92.2 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 47.834 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

Tgt Ion: 95 Resp: 500505
 Ion Ratio Lower Upper
 95 100
 174 80.9 0.0 158.0
 176 82.3 0.0 151.6

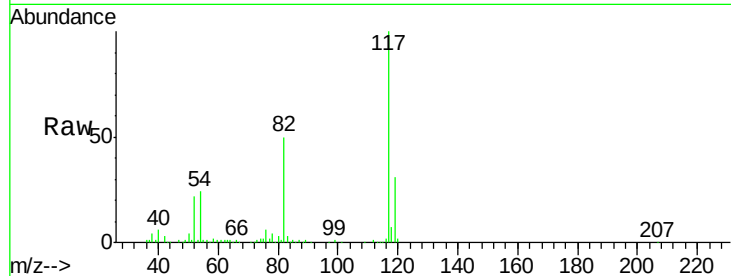




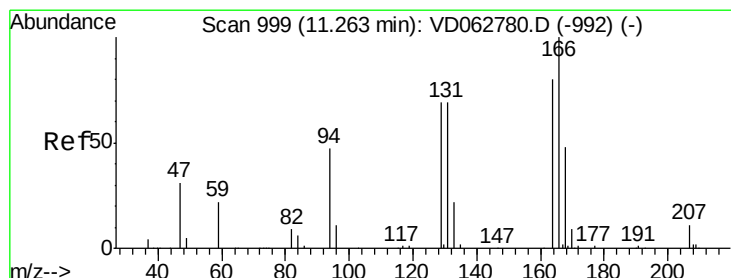
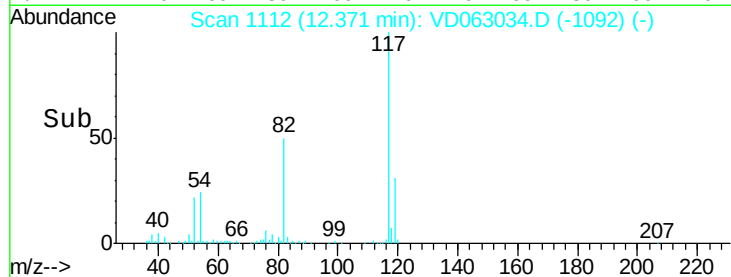
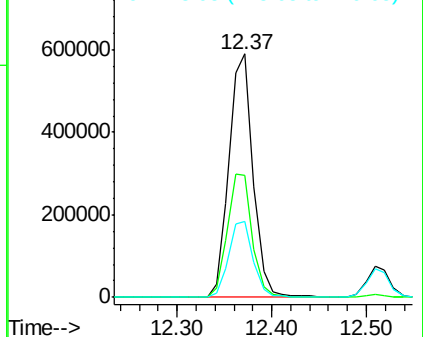
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion:117 Resp: 1039111
Ion Ratio Lower Upper
117 100
82 50.0 40.4 60.6
119 31.3 25.2 37.8

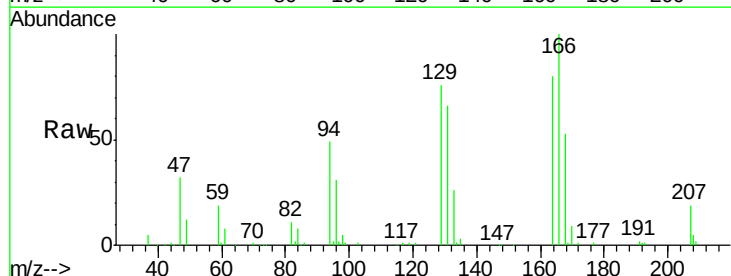


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

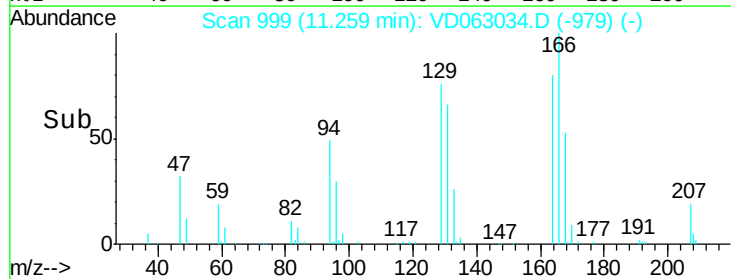
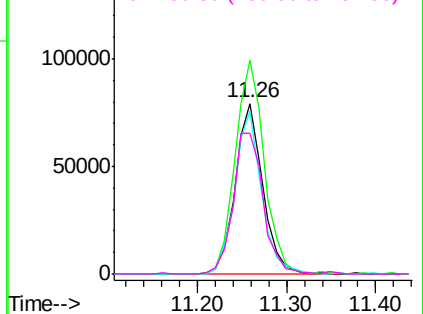


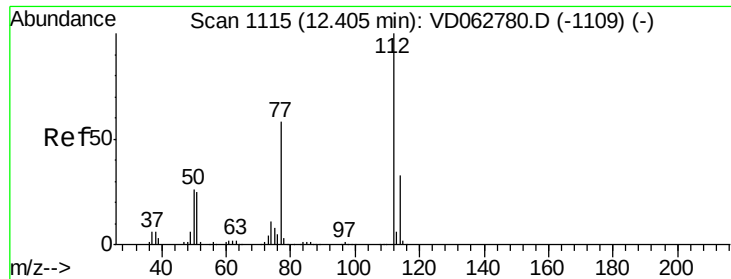
#64
Tetrachloroethene
Concen: 19.826 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Tgt Ion:164 Resp: 169552
Ion Ratio Lower Upper
164 100
166 125.4 100.6 150.8
129 95.2 69.4 104.0
131 82.9 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: 22.695 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

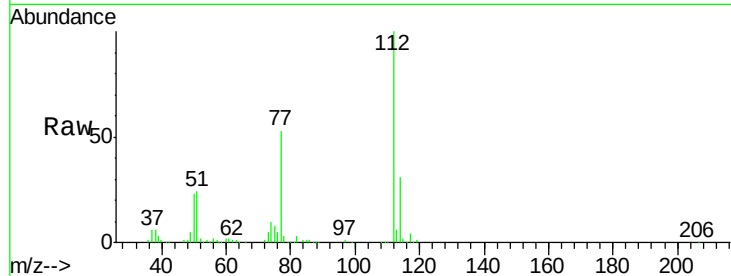
VD0708SBS01

Tot Ion:112 Resp: 437660

Ion Ratio Lower Upper

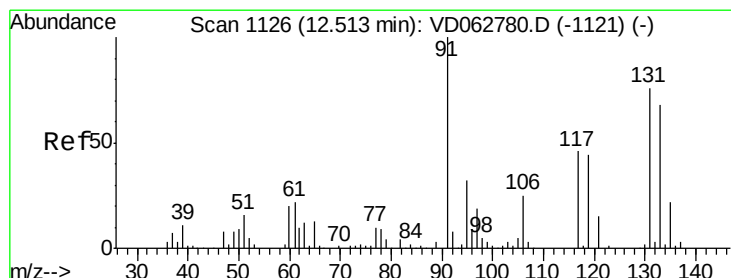
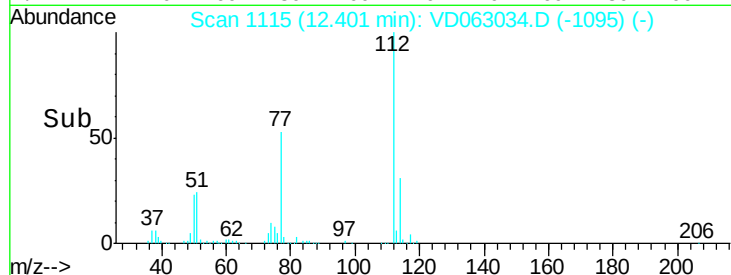
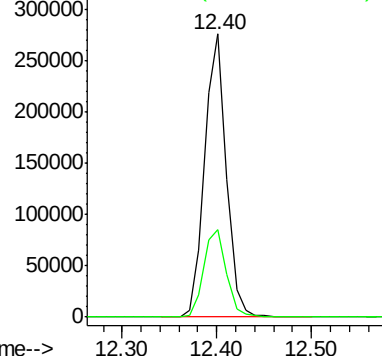
112 100

114 31.1 26.3 39.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.725 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

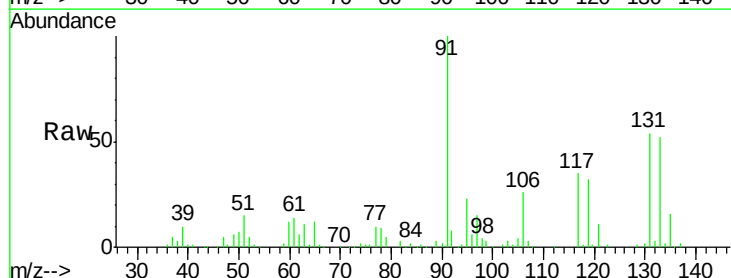
Tgt Ion:131 Resp: 204950

Ion Ratio Lower Upper

131 100

133 96.8 44.5 133.3

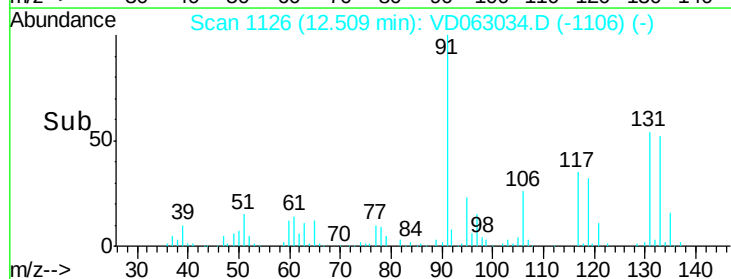
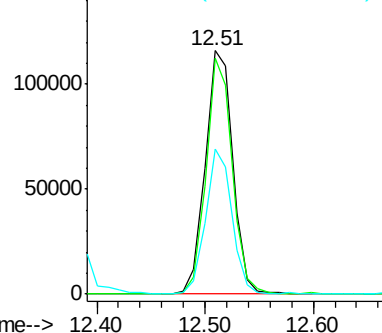
119 59.7 28.6 85.9

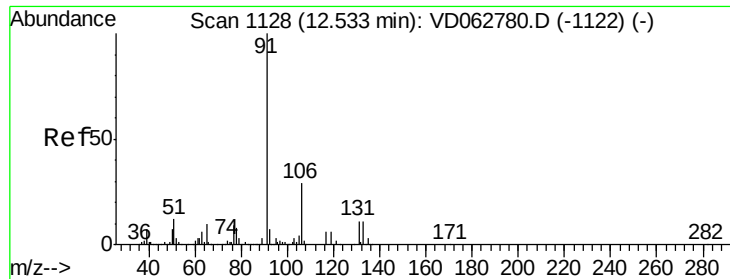


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

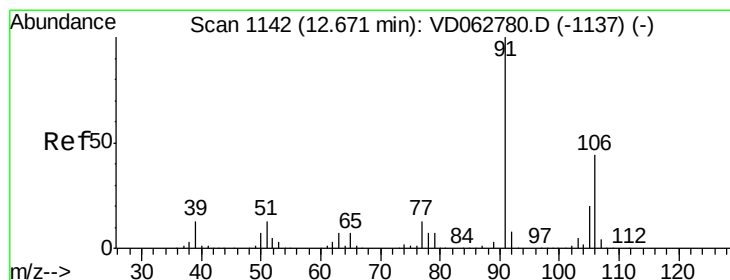
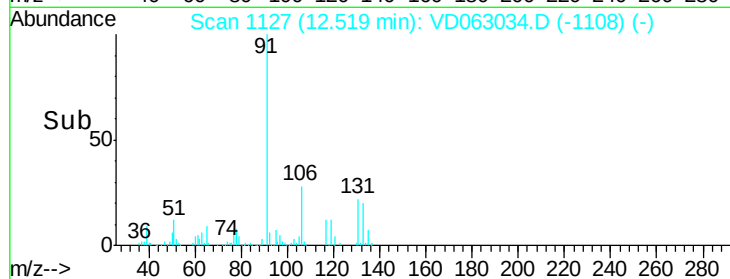
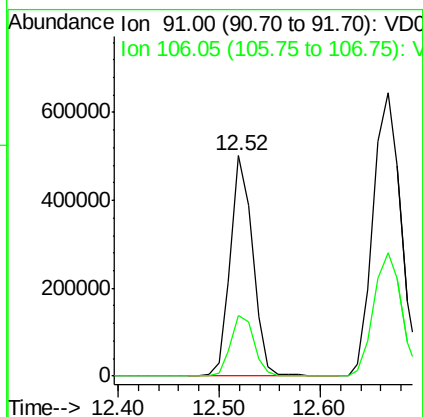
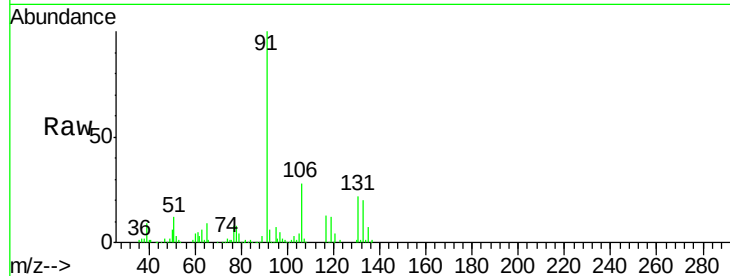




#67
Ethyl Benzene
Concen: 22.371 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

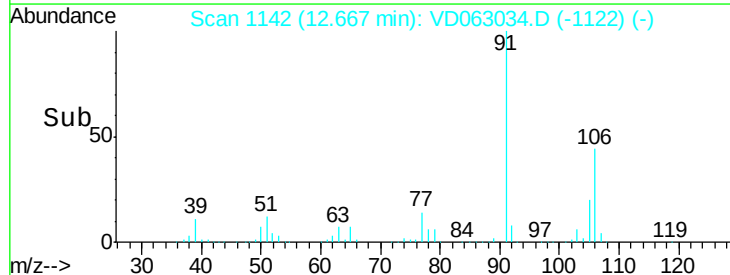
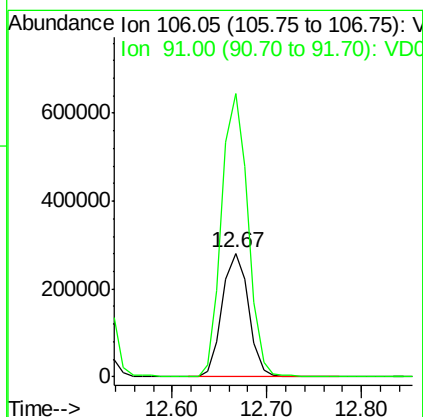
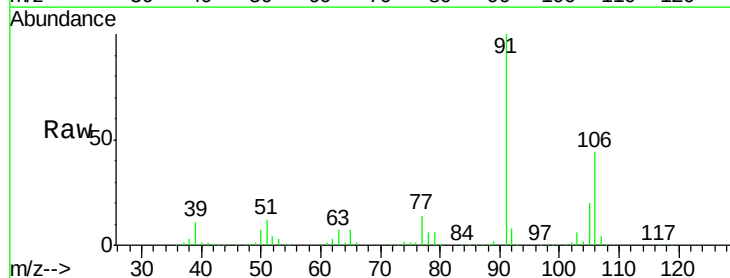
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

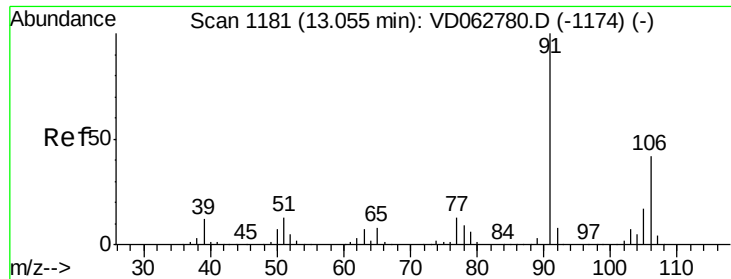
Tot Ion: 91 Resp: 774567
Ion Ratio Lower Upper
91 100
106 27.8 23.1 34.7



#68
m/p-Xylenes
Concen: 45.029 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Tgt Ion: 106 Resp: 543011
Ion Ratio Lower Upper
106 100
91 229.3 183.0 274.6

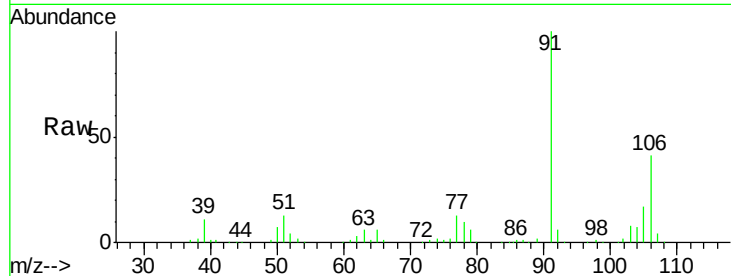




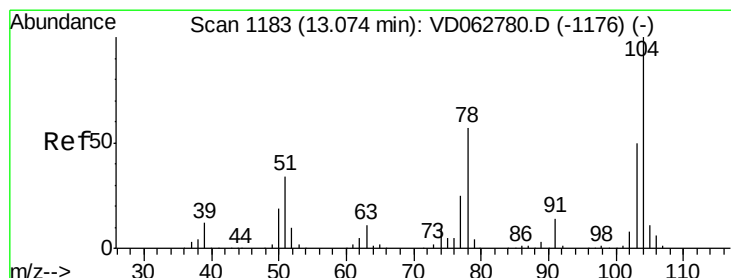
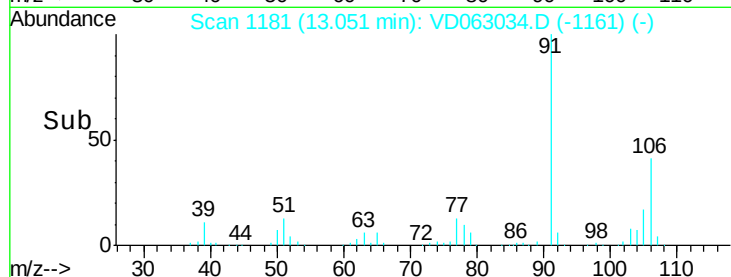
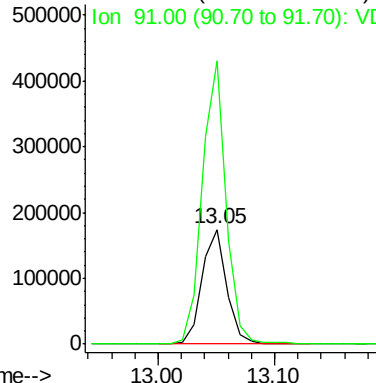
#69
o-Xylene
Concen: 23.148 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion:106 Resp: 255184
Ion Ratio Lower Upper
106 100
91 246.9 117.9 353.6

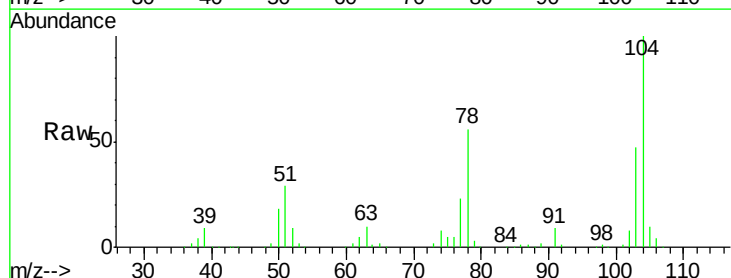


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

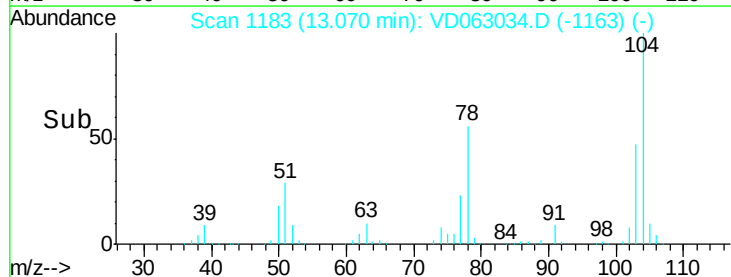
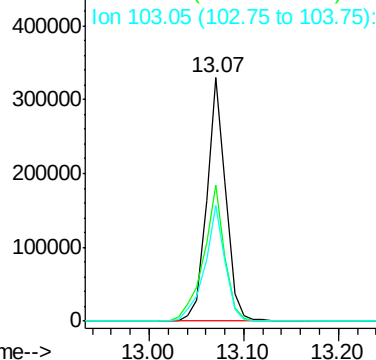


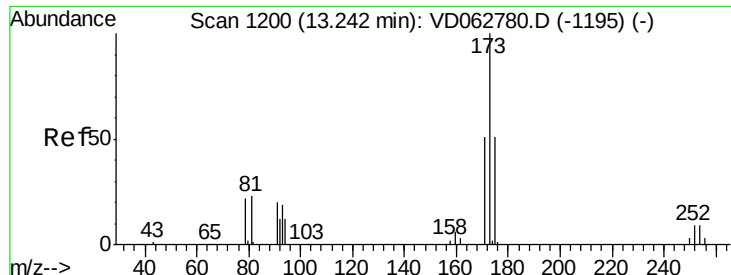
#70
Styrene
Concen: 23.540 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Tgt Ion:104 Resp: 455809
Ion Ratio Lower Upper
104 100
78 55.9 45.4 68.2
103 47.2 39.7 59.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 20.804 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

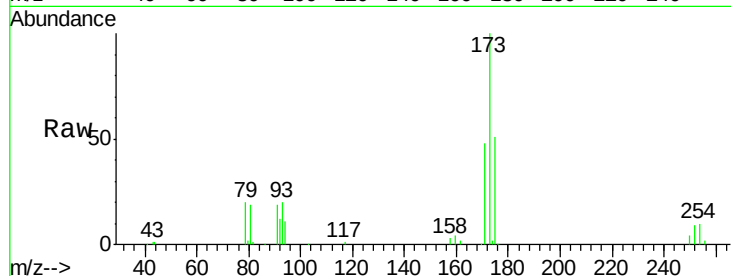
Tot Ion:173 Resp: 128548

Ion Ratio Lower Upper

173 100

175 50.5 25.3 75.9

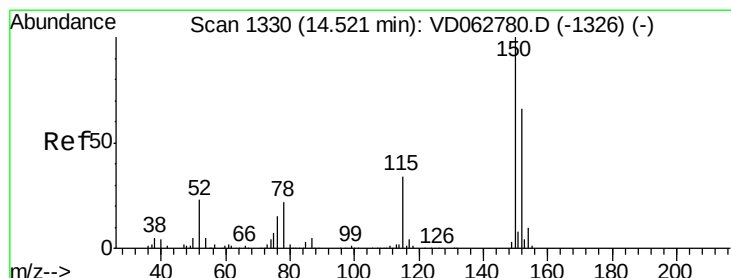
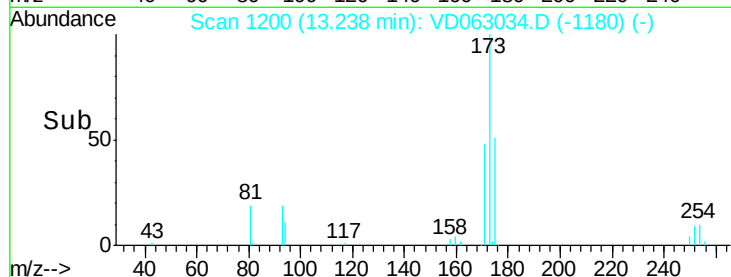
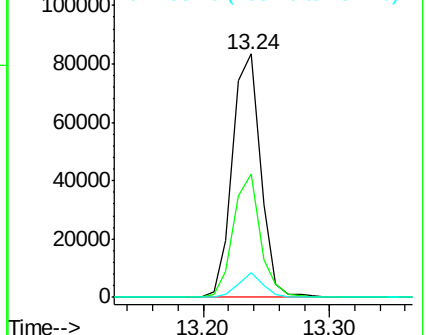
254 10.3 7.1 10.7



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: VD063034.D

Acq: 8 Jul 2019 14:16

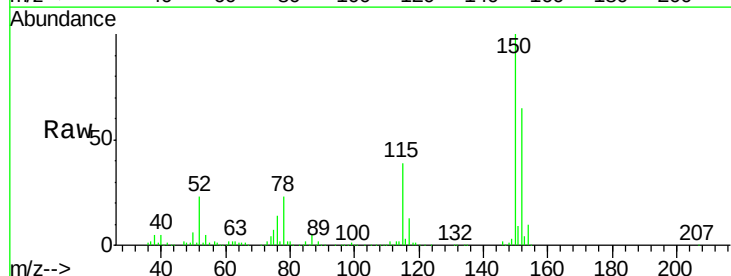
Tgt Ion:152 Resp: 593955

Ion Ratio Lower Upper

152 100

115 59.8 29.2 87.6

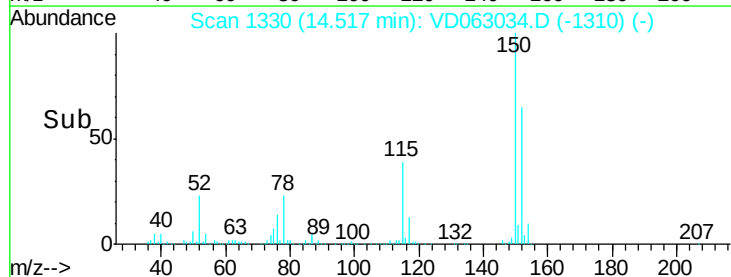
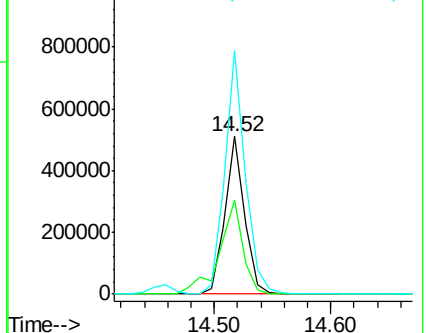
150 154.3 0.0 305.8

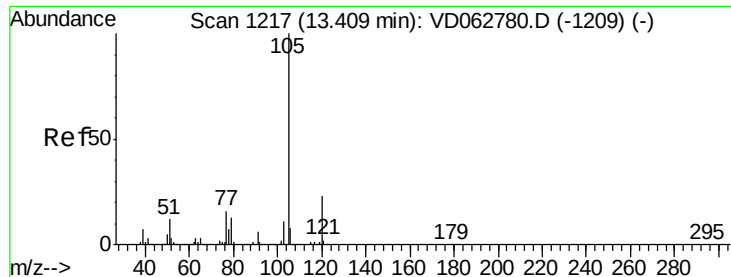


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.089 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

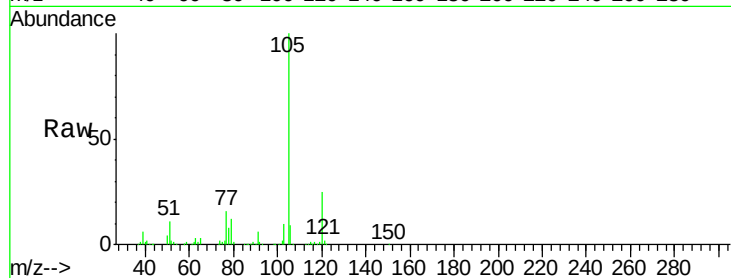
VD0708SBS01

Tot Ion:105 Resp: 765036

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

13.41

500000

400000

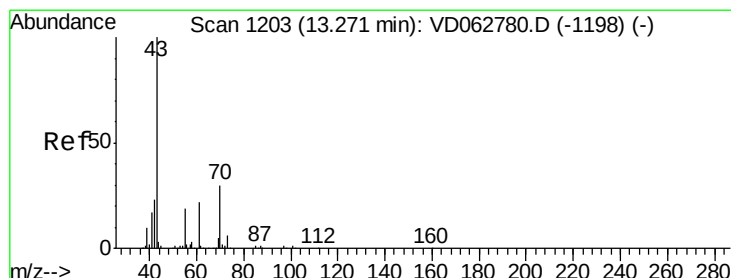
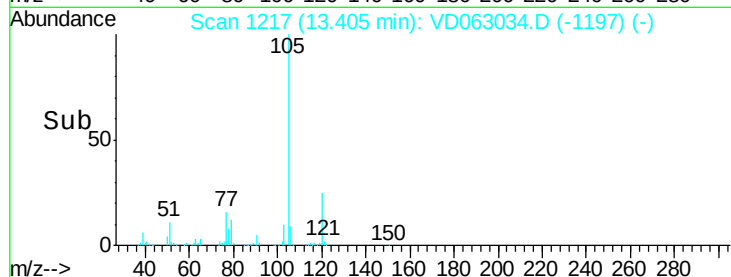
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 21.256 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Tgt Ion: 43 Resp: 196587

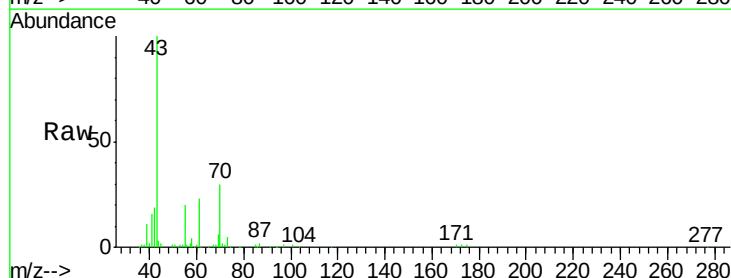
Ion Ratio Lower Upper

43 100

70 30.2 24.4 36.6

55 19.7 15.2 22.8

61 22.7 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

200000

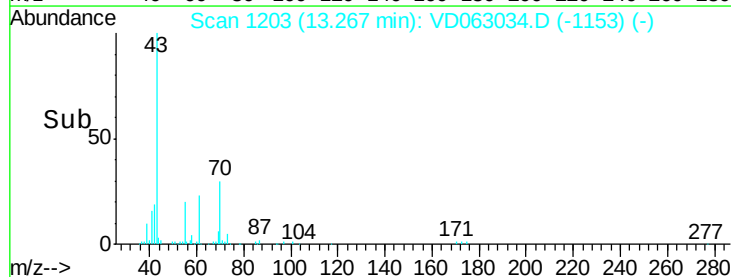
150000

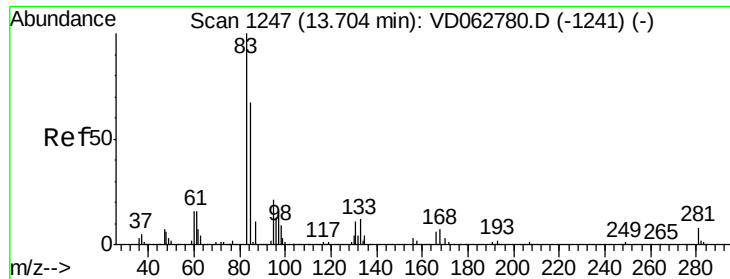
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 20.669 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

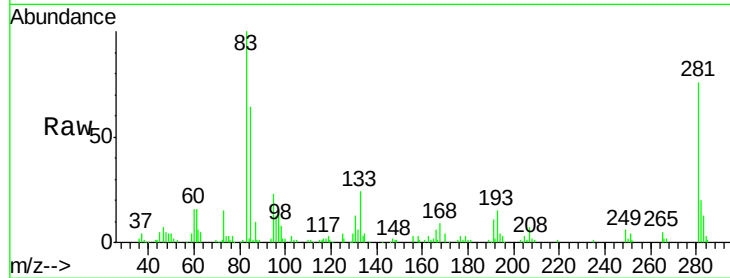
Tot Ion: 83 Resp: 128249

Ion Ratio Lower Upper

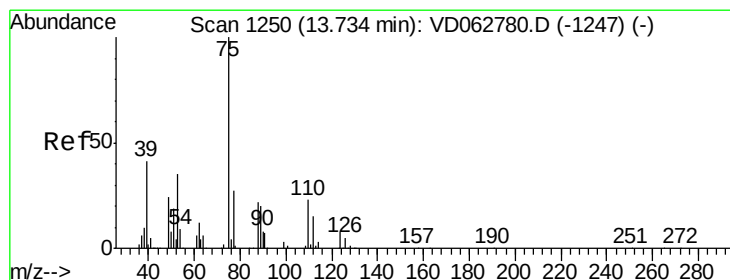
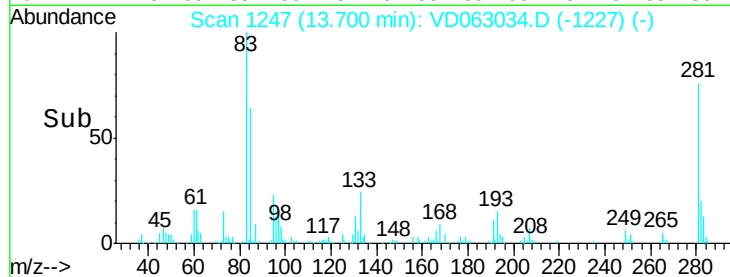
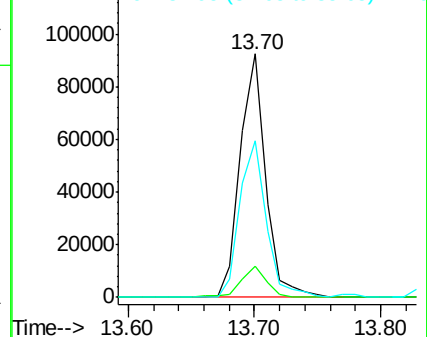
83 100

131 12.8 5.3 16.1

85 64.2 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: 21.258 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063034.D

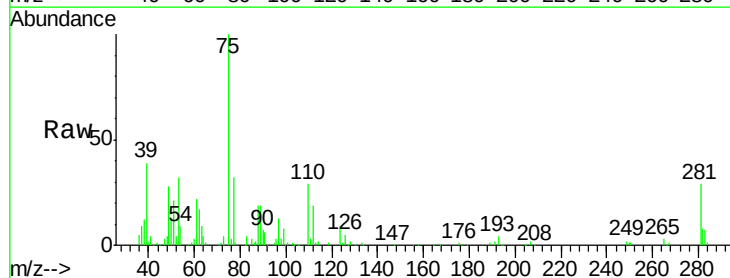
Acq: 8 Jul 2019 14:16

Tgt Ion: 75 Resp: 145759

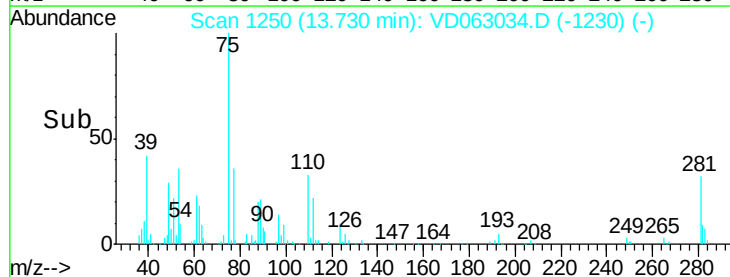
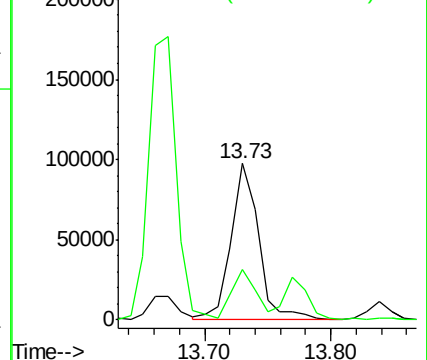
Ion Ratio Lower Upper

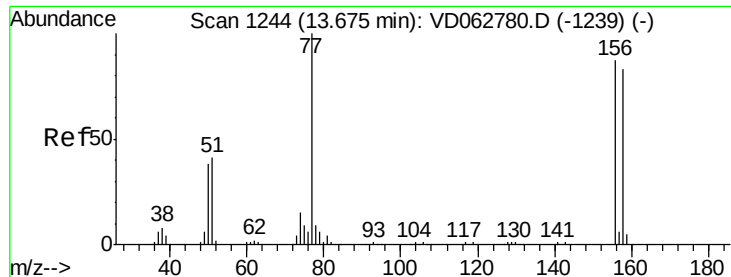
75 100

77 32.4 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: 20.630 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

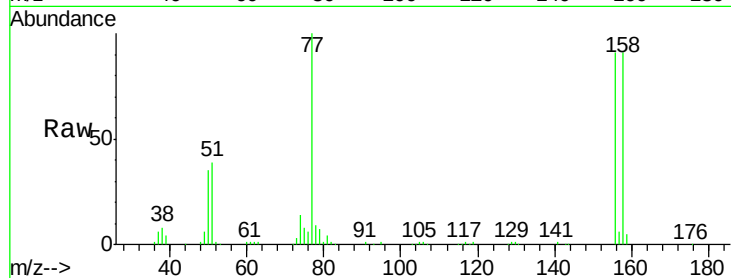
Tot Ion:156 Resp: 211324

Ion Ratio Lower Upper

156 100

77 110.3 57.7 173.1

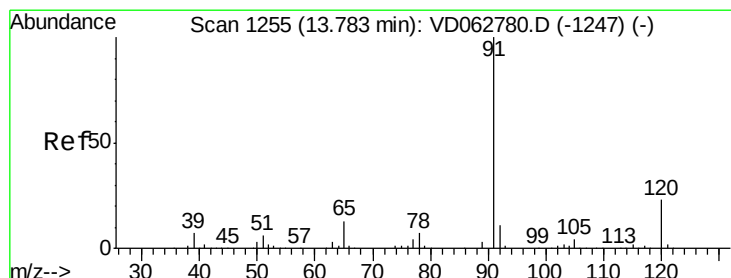
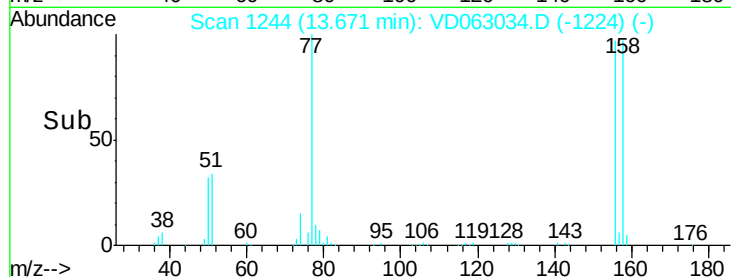
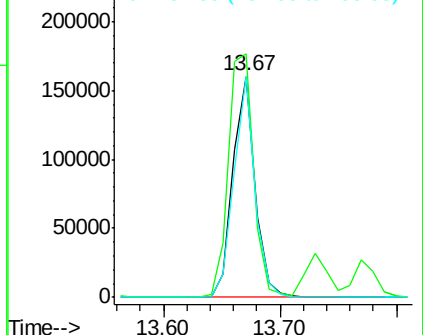
158 99.8 47.7 143.1



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: 19.722 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063034.D

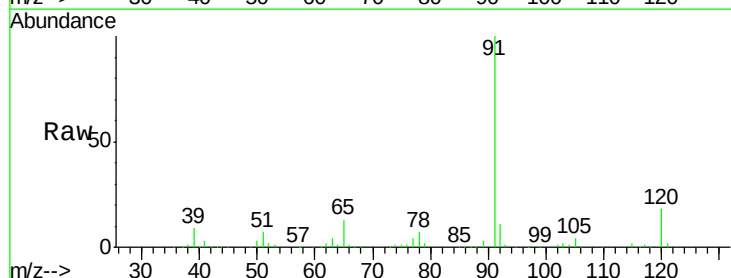
Acq: 8 Jul 2019 14:16

Tgt Ion: 91 Resp: 874174

Ion Ratio Lower Upper

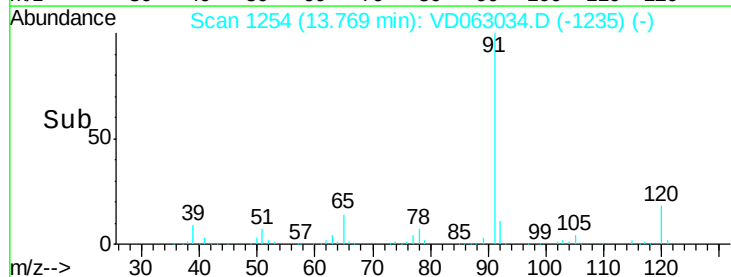
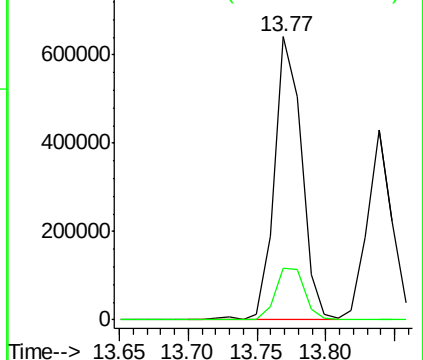
91 100

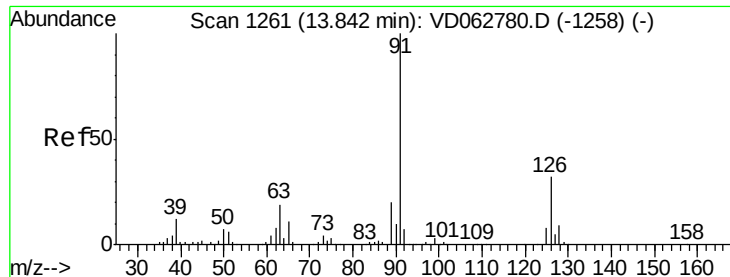
120 18.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.236 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

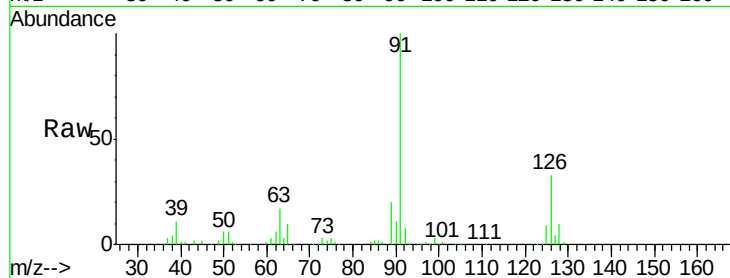
VD0708SBS01

Tot Ion: 91 Resp: 537934

Ion Ratio Lower Upper

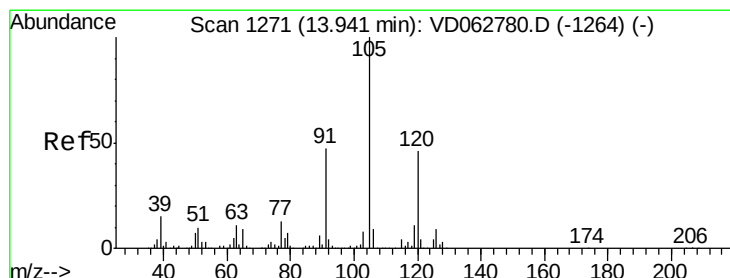
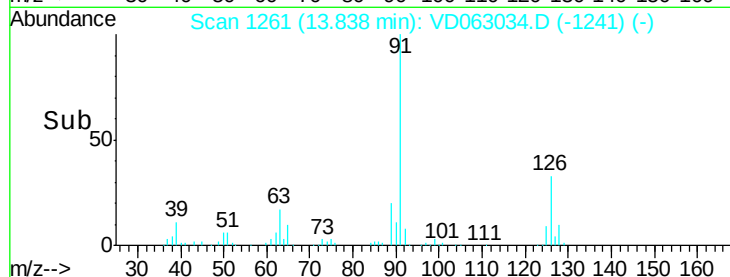
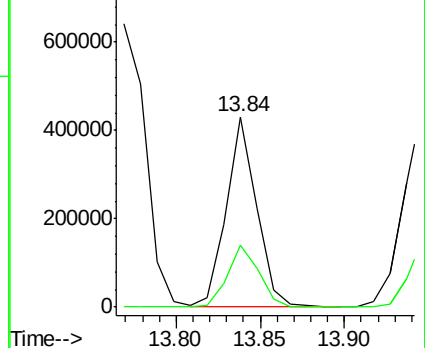
91 100

126 32.7 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: 20.755 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD063034.D

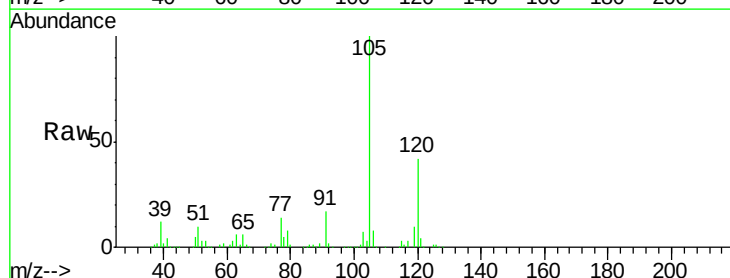
Acq: 8 Jul 2019 14:16

Tgt Ion: 105 Resp: 663913

Ion Ratio Lower Upper

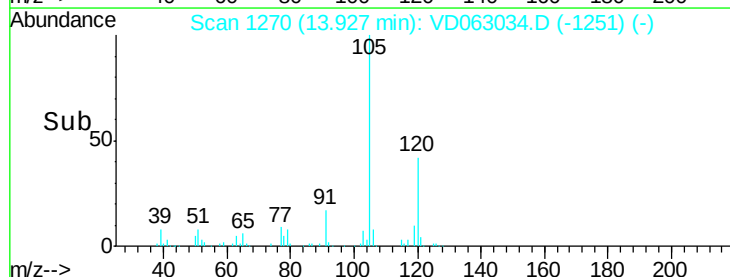
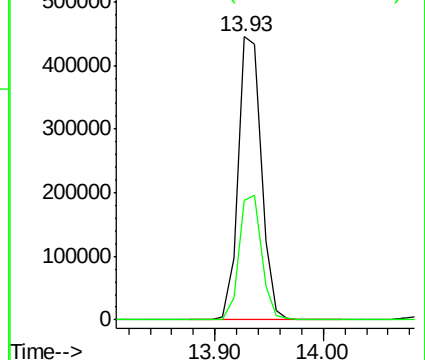
105 100

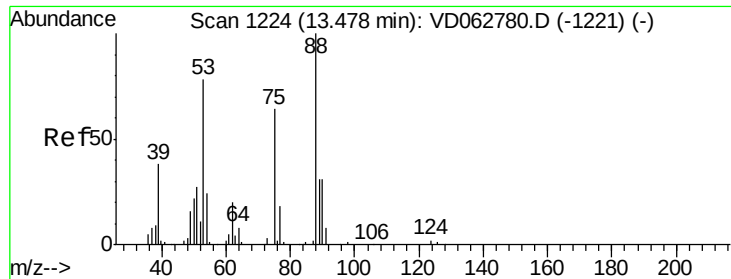
120 42.0 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

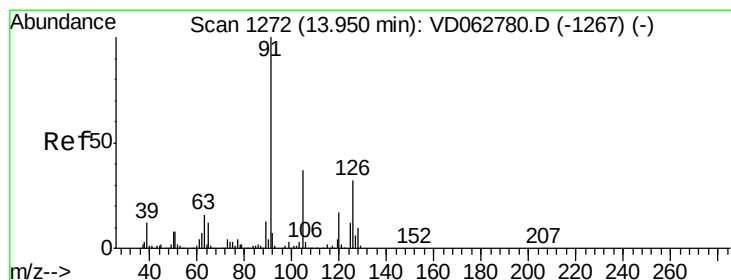
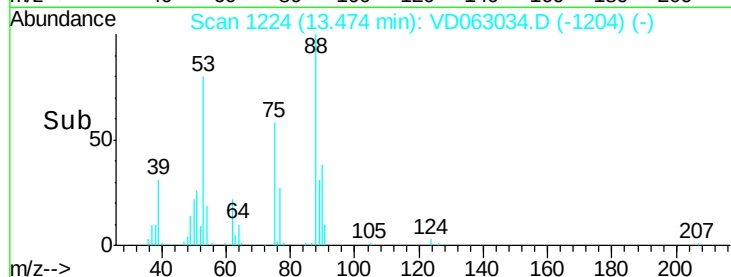
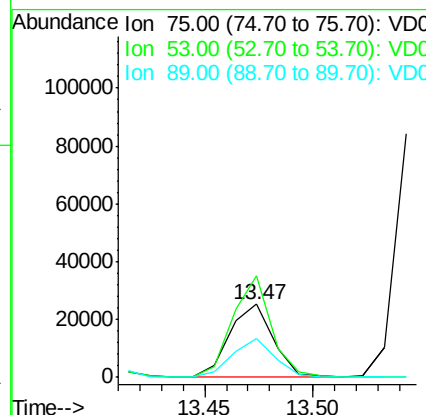
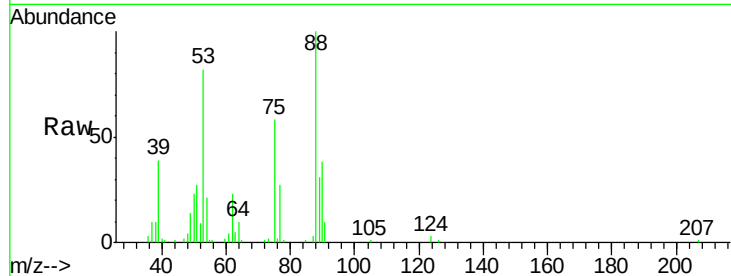




#81
 trans-1,4-Dichloro-2-butene
 Concen: 19.826 ug/l
 RT: 13.47 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

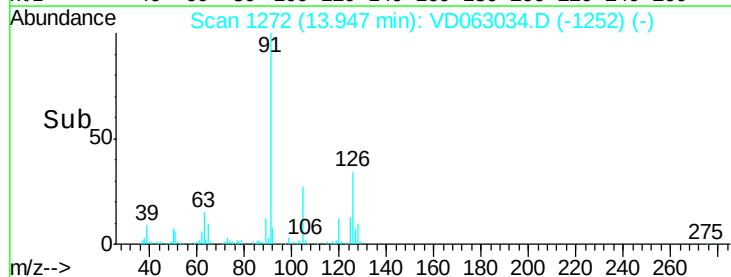
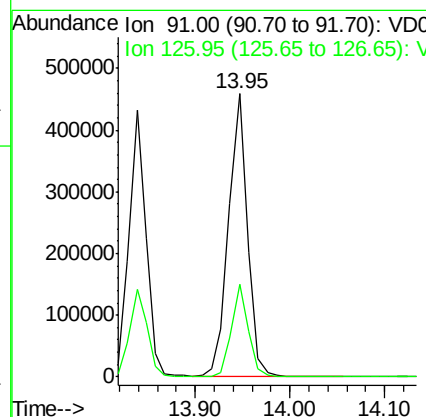
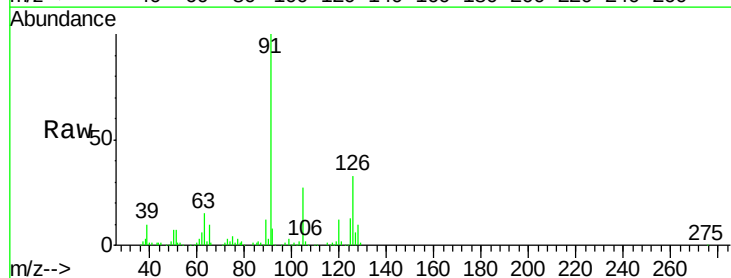
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

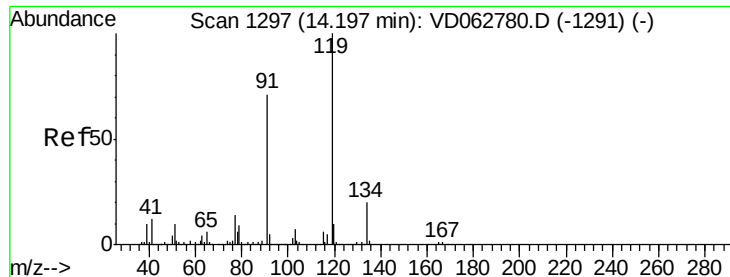
Tot Ion: 75 Resp: 35628
 Ion Ratio Lower Upper
 75 100
 53 140.0 97.8 146.8
 89 53.3 39.4 59.2



#82
 4-Chlorotoluene
 Concen: 20.896 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

Tgt Ion: 91 Resp: 637259
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.0 47.9

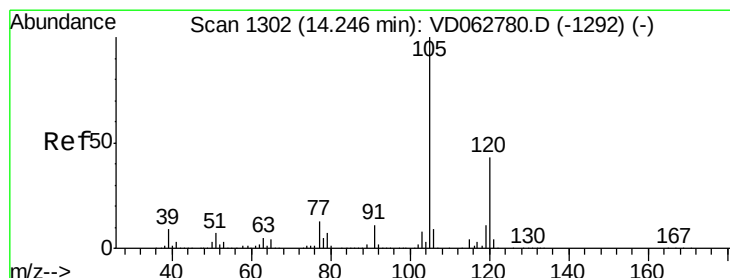
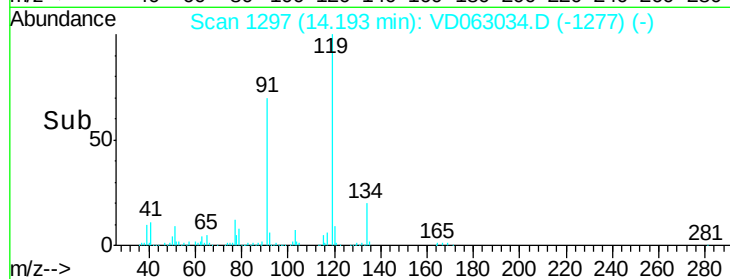
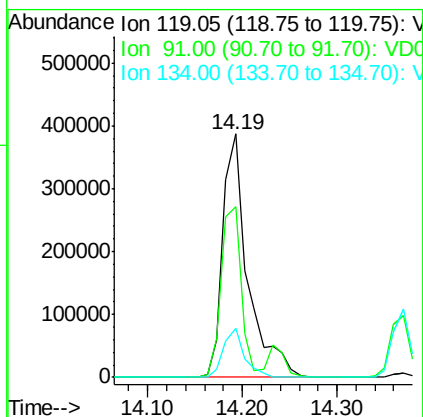
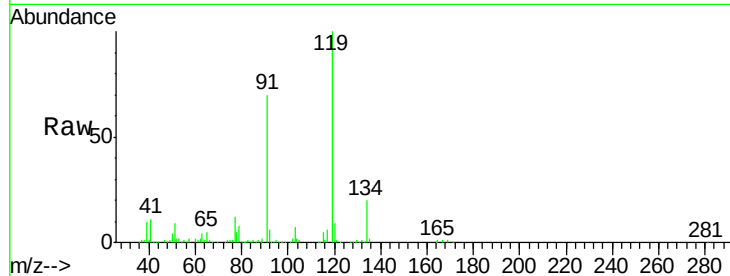




#83
 tert-Butylbenzene
 Concen: 19.866 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

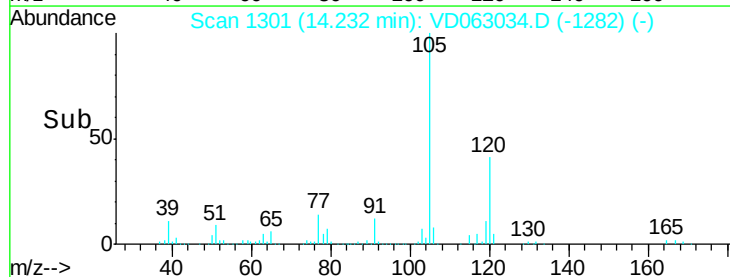
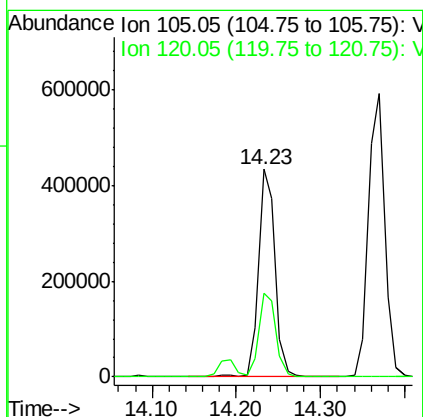
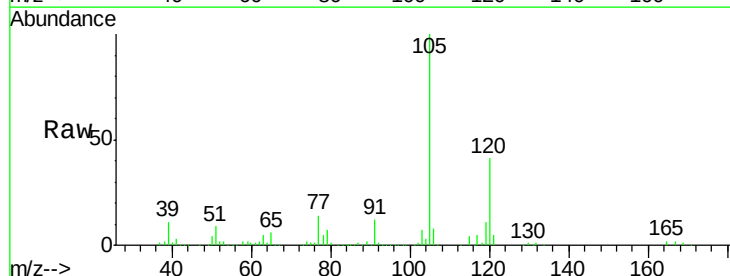
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

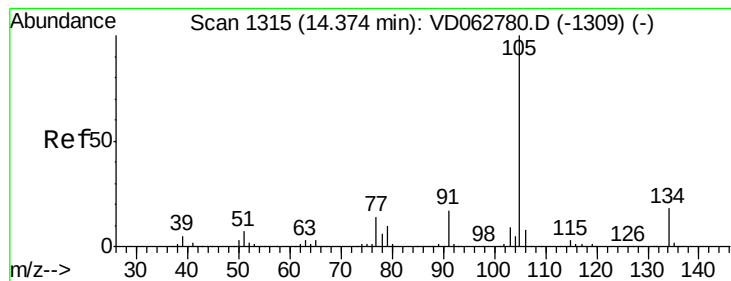
Tot Ion:119 Resp: 708341
 Ion Ratio Lower Upper
 119 100
 91 70.1 35.5 106.5
 134 20.4 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 18.368 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

Tgt Ion:105 Resp: 602223
 Ion Ratio Lower Upper
 105 100
 120 40.6 21.3 63.9





#85

sec-Butylbenzene

Concen: 20.679 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

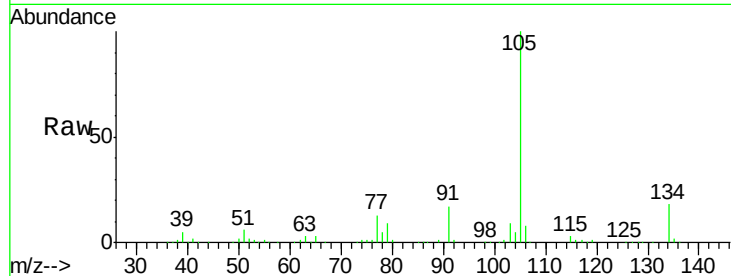
VD0708SBS01

Tot Ion:105 Resp: 801360

Ion Ratio Lower Upper

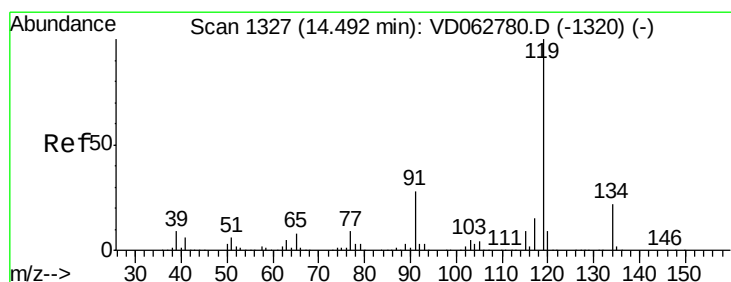
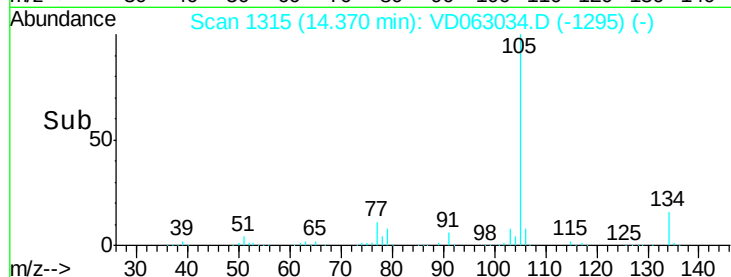
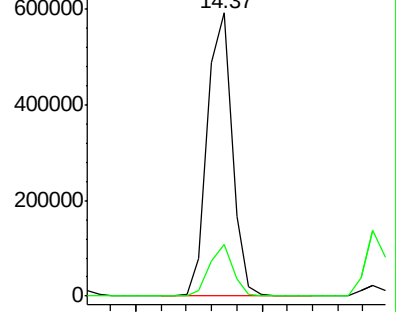
105 100

134 18.2 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.209 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063034.D

Acq: 8 Jul 2019 14:16

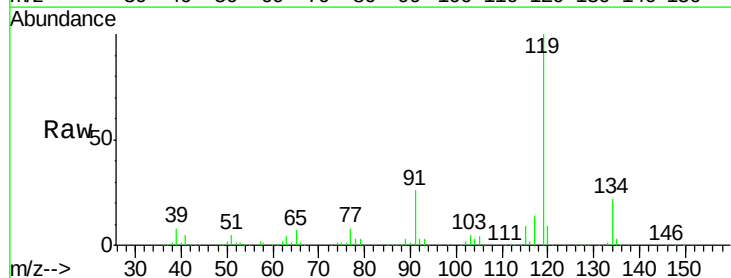
Tgt Ion:119 Resp: 751909

Ion Ratio Lower Upper

119 100

134 22.0 11.1 33.1

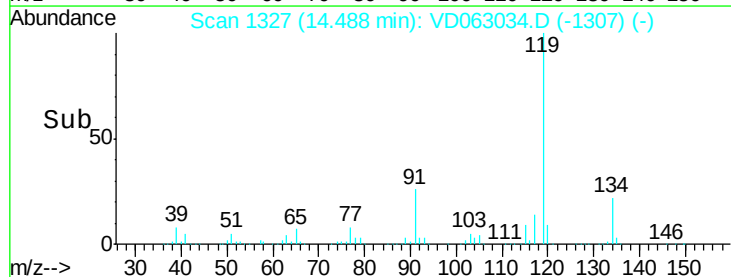
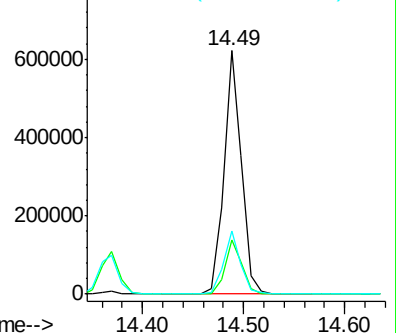
91 26.2 14.0 41.9

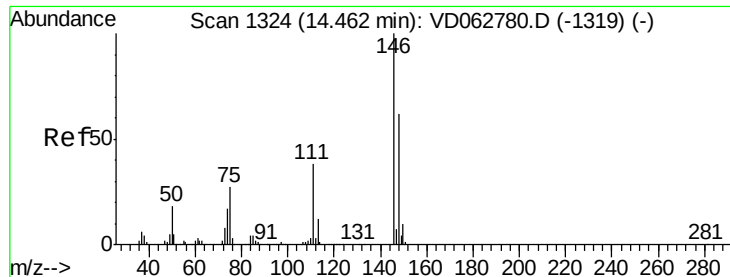


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

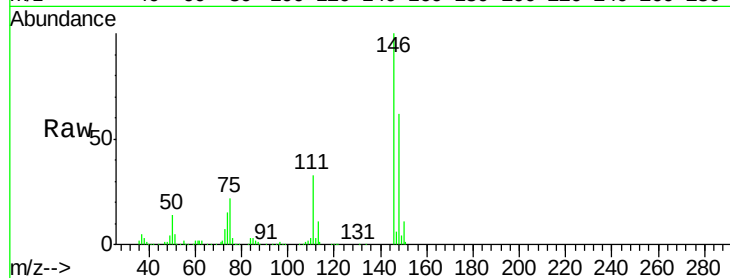




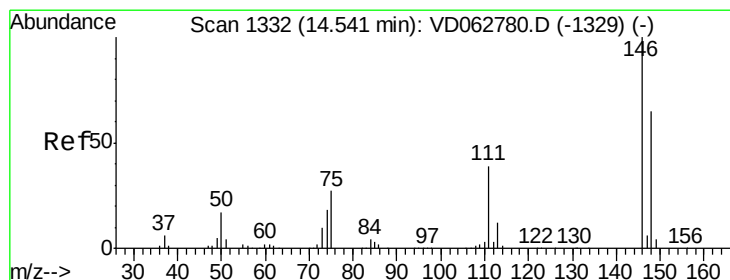
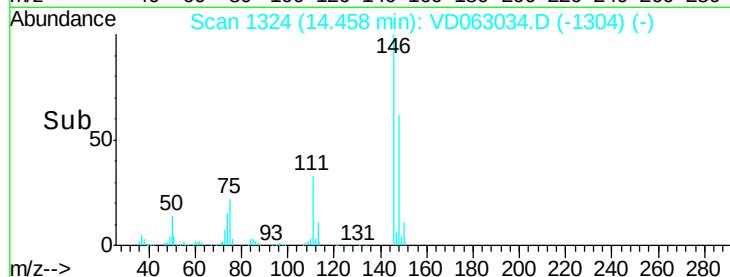
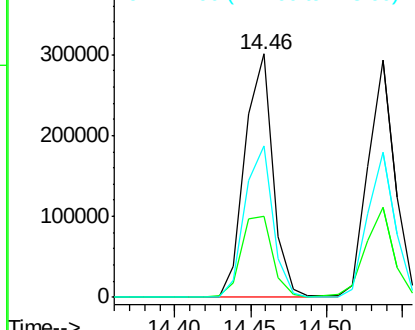
#87
 1,3-Dichlorobenzene
 Concen: 21.193 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.2	19.0	57.0
148	62.0	30.8	92.3

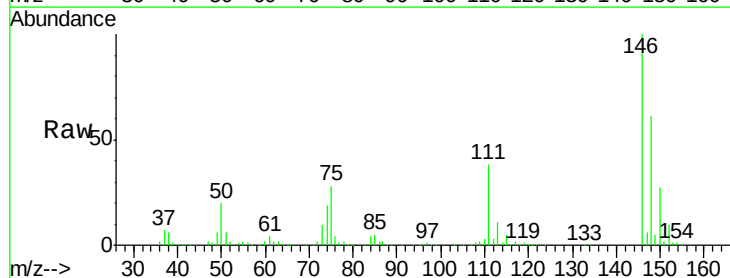


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

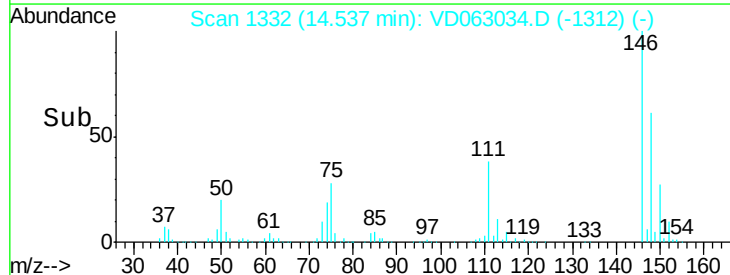
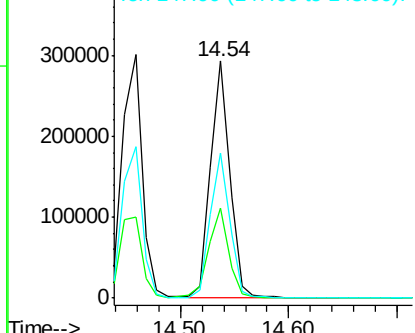


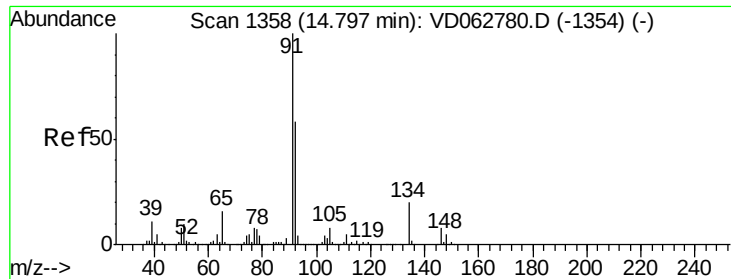
#88
 1,4-Dichlorobenzene
 Concen: 19.726 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.7	59.1
148	61.3	32.8	98.3



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

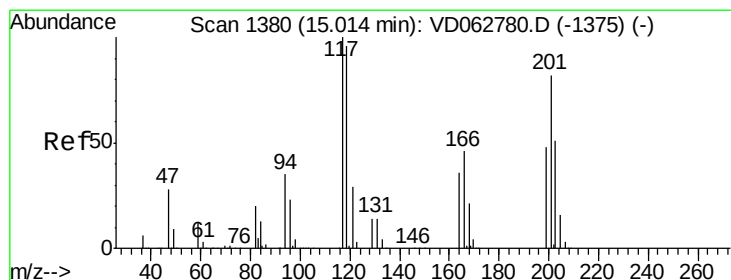
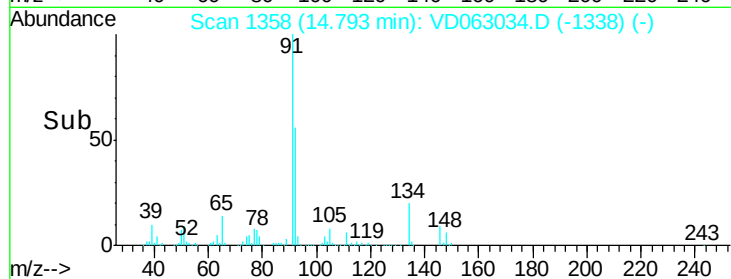
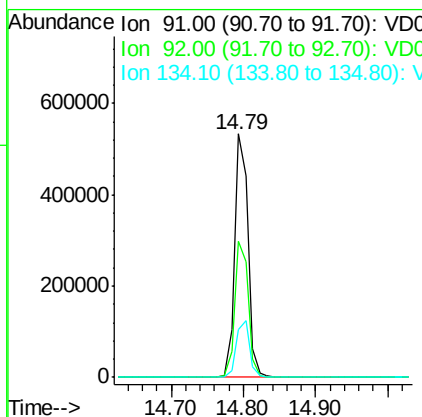
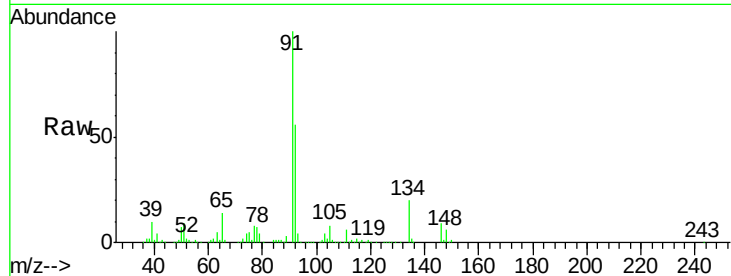




#89
n-Butylbenzene
Concen: 20.855 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

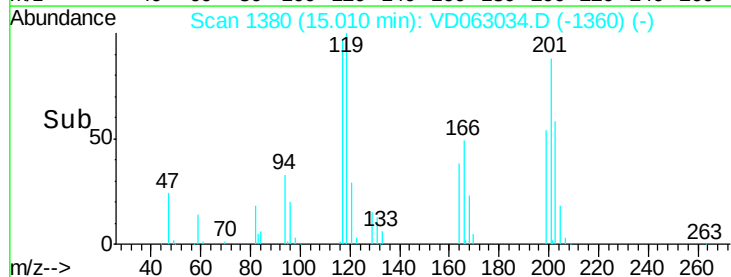
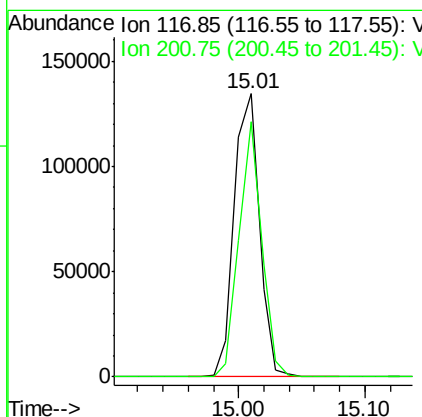
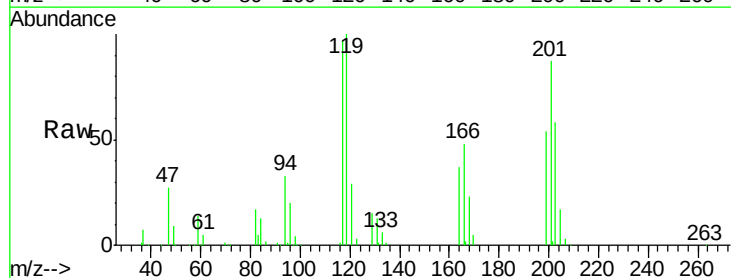
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

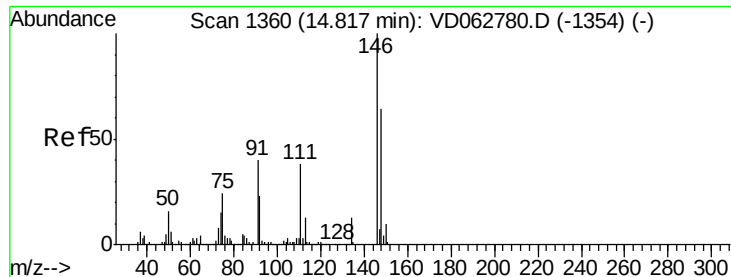
Tot Ion: 91 Resp: 692011
Ion Ratio Lower Upper
91 100
92 56.0 28.9 86.7
134 19.9 10.1 30.3



#90
Hexachloroethane
Concen: 19.468 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Tgt Ion: 117 Resp: 185576
Ion Ratio Lower Upper
117 100
201 90.2 40.8 122.2

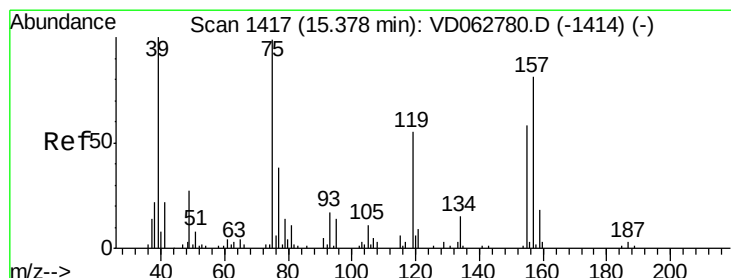
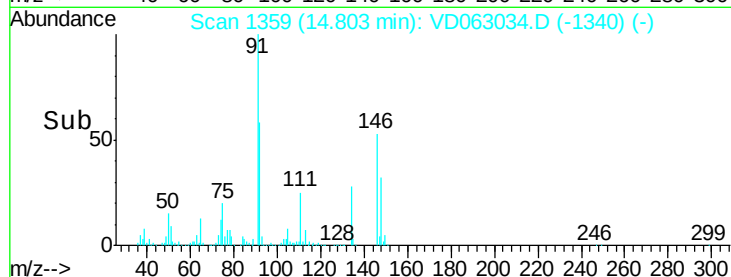
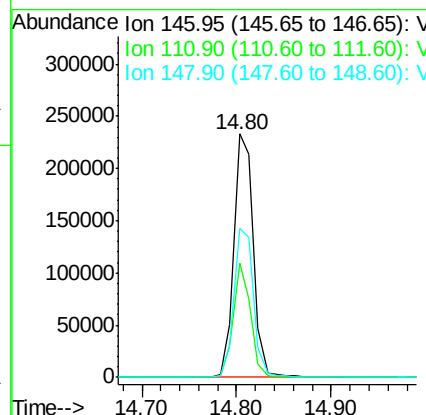
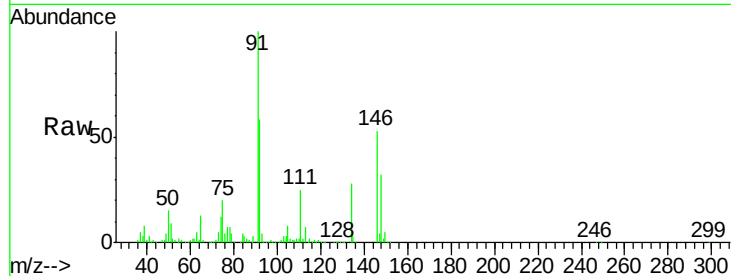




#91
 1,2-Dichlorobenzene
 Concen: 20.999 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

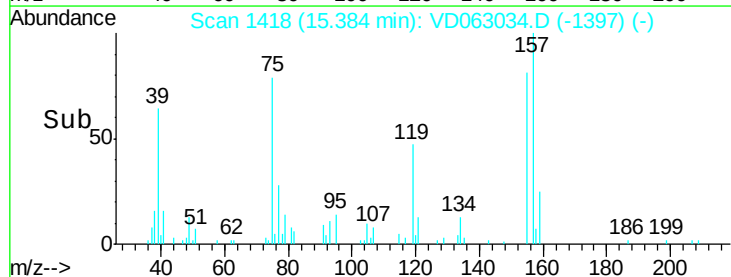
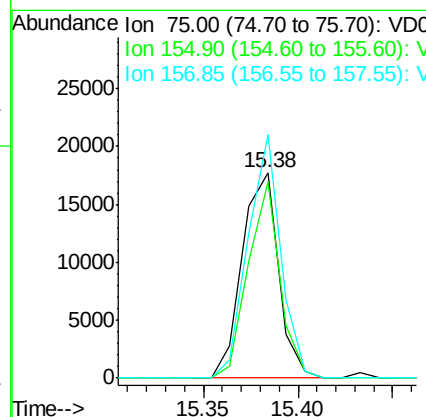
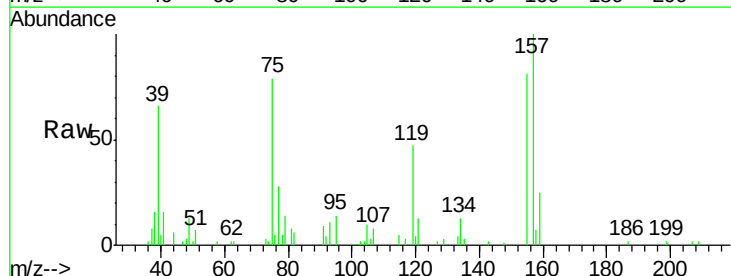
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

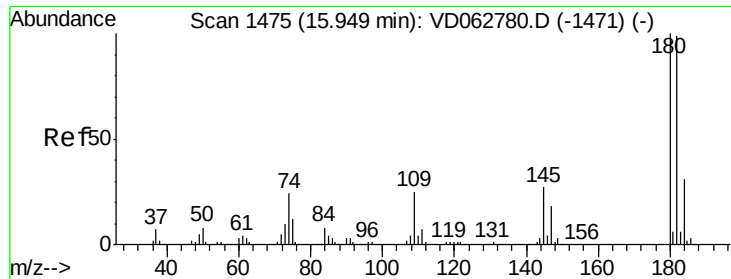
Tot Ion:146 Resp: 329897
 Ion Ratio Lower Upper
 146 100
 111 47.1 19.1 57.1
 148 60.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.412 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

Tgt Ion: 75 Resp: 23510
 Ion Ratio Lower Upper
 75 100
 155 95.5 29.3 87.8#
 157 118.6 41.3 123.7

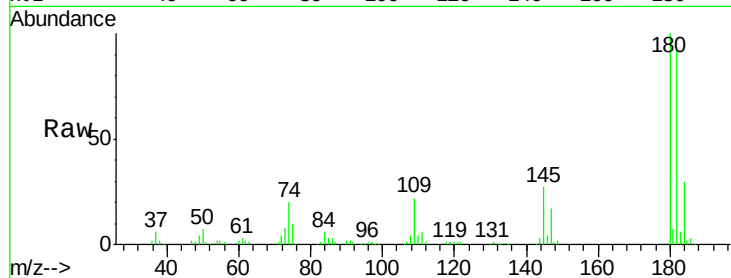




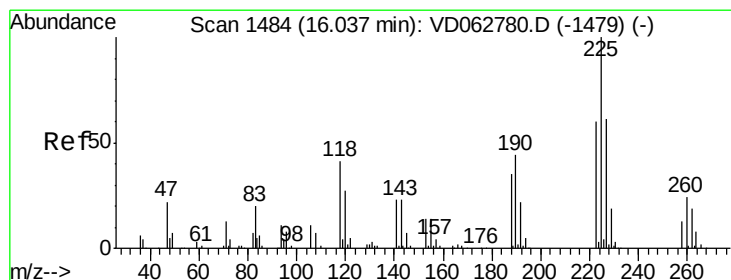
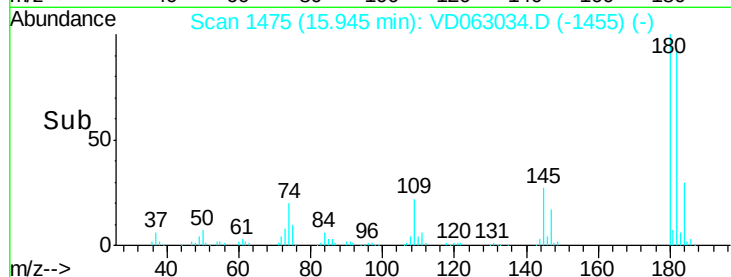
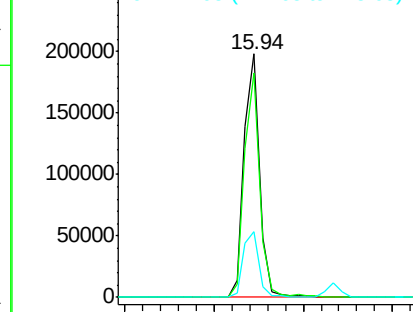
#93
 1,2,4-Trichlorobenzene
 Concen: 19.869 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

Tot Ion:180 Resp: 243830
 Ion Ratio Lower Upper
 180 100
 182 92.2 49.5 148.5
 145 27.1 13.7 41.0

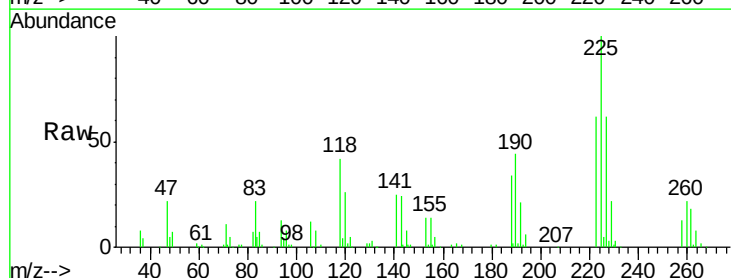


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

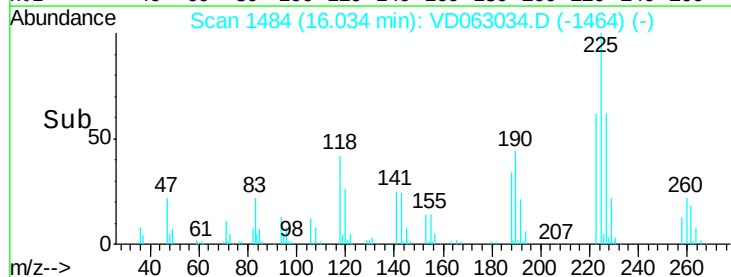
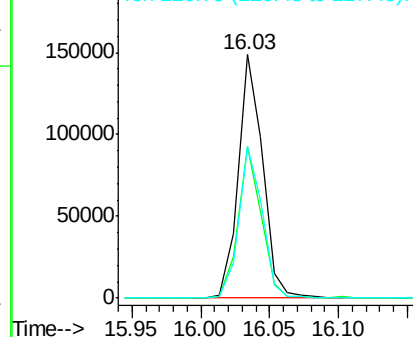


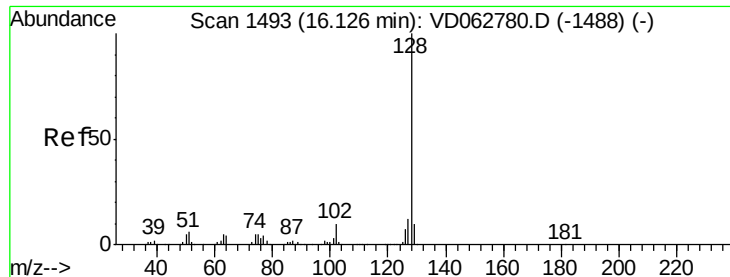
#94
 Hexachlorobutadiene
 Concen: 19.568 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063034.D
 Acq: 8 Jul 2019 14:16

Tgt Ion:225 Resp: 183455
 Ion Ratio Lower Upper
 225 100
 223 62.0 29.8 89.5
 227 62.3 30.6 91.6



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

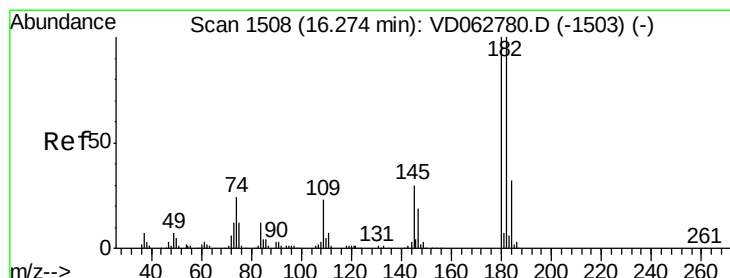
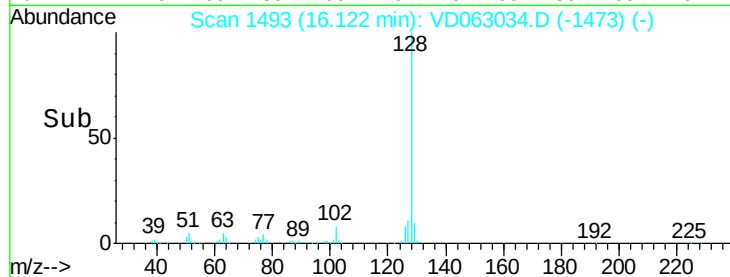
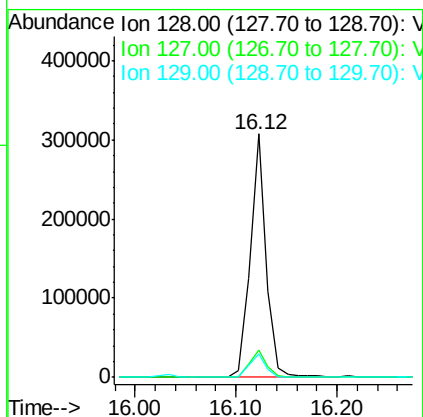
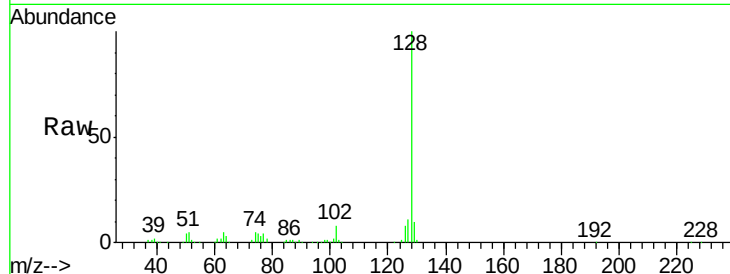




#95
Naphthalene
Concen: 19.723 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion:128 Resp: 339247
Ion Ratio Lower Upper
128 100
127 11.1 9.7 14.5
129 9.9 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 20.016 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063034.D
Acq: 8 Jul 2019 14:16

Tgt Ion:180 Resp: 188733
Ion Ratio Lower Upper
180 100
182 95.1 49.9 149.6
145 29.4 15.2 45.5

