

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
 Data File : VD063065.D
 Acq On : 10 Jul 2019 18:32
 Operator : VA/AP
 Sample : VD0710SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBS01

Quant Time: Jul 11 07:02:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	822268	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1162247	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	989634	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	547592	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	453719	50.76	ug/l	-0.01
Spiked Amount 50.000			Recovery =	101.52%		
35) Dibromofluoromethane	6.92	113	513689	52.42	ug/l	-0.01
Spiked Amount 50.000			Recovery =	104.84%		
50) Toluene-d8	10.40	98	1039964	48.76	ug/l	-0.01
Spiked Amount 50.000			Recovery =	97.52%		
62) 4-Bromofluorobenzene	13.55	95	492779	50.81	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.62%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	249993	23.495	ug/l	98
3) Chloromethane	1.74	50	181534	22.685	ug/l #	86
4) Vinyl Chloride	1.85	62	181820	22.916	ug/l	96
5) Bromomethane	2.14	94	70902	19.082	ug/l	97
6) Chloroethane	2.25	64	79466	22.122	ug/l	96
7) Trichlorofluoromethane	2.52	101	371935	23.163	ug/l	99
8) Diethyl Ether	2.86	74	49116	24.074	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.14	101	206852	23.779	ug/l	91
10) Methyl Iodide	3.29	142	252688	22.018	ug/l #	94
11) Tert butyl alcohol	4.09	59	55297	135.840	ug/l #	94
12) 1,1-Dichloroethene	3.11	96	148164	22.704	ug/l	93
13) Acrolein	3.03	56	26503	63.774	ug/l	93
14) Allyl chloride	3.61	41	230928	23.949	ug/l	99
15) Acrylonitrile	4.19	53	131860	137.855	ug/l	92
16) Acetone	3.22	43	192598	102.121	ug/l	95
17) Carbon Disulfide	3.36	76	437015	20.954	ug/l	98
18) Methyl Acetate	3.64	43	103774	38.461	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	379290	26.848	ug/l	98
20) Methylene Chloride	3.81	84	165048	24.213	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	168035	24.183	ug/l	94
22) Diisopropyl ether	5.12	45	517080	26.369	ug/l	99
23) Vinyl Acetate	5.05	43	1470114	119.808	ug/l	99
24) 1,1-Dichloroethane	4.98	63	318046	24.911	ug/l	99
25) 2-Butanone	6.07	43	205091	122.687	ug/l	93
26) 2,2-Dichloropropane	6.01	77	315469	23.311	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	184666	25.131	ug/l	96
28) Bromochloromethane	6.42	49	116690	25.950	ug/l #	80
29) Tetrahydrofuran	6.45	42	105691	133.629	ug/l	97
30) Chloroform	6.65	83	388552	25.024	ug/l	98
31) Cyclohexane	6.95	56	202234	24.095	ug/l	88
32) 1,1,1-Trichloroethane	6.86	97	377105	23.318	ug/l	95
36) 1,1-Dichloropropene	7.13	75	245205	22.287	ug/l	92
37) Ethyl Acetate	6.18	43	110682	23.361	ug/l #	97
38) Carbon Tetrachloride	7.10	117	362659	21.917	ug/l	92

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 Data File : VD063065.D
 Acq On : 10 Jul 2019 18:32
 Operator : VA/AP
 Sample : VD0710SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBS01

Quant Time: Jul 11 07:02:04 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)
39) Methylcyclohexane	8.86	83	216595	22.365	ug/l	95
40) Benzene	7.45	78	500841	22.678	ug/l	100
41) Methacrylonitrile	6.44	41	142407	24.544	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	292992	24.319	ug/l	96
43) Isopropyl Acetate	9.23	43	148949	25.823	ug/l #	98
44) Trichloroethene	8.53	130	201687	23.294	ug/l	96
45) 1,2-Dichloropropane	8.94	63	126237	22.987	ug/l	95
46) Dibromomethane	9.05	93	109346	23.180	ug/l	97
47) Bromodichloromethane	9.37	83	306238	24.996	ug/l	97
48) Methyl methacrylate	9.11	41	97506	23.788	ug/l	93
49) 1,4-Dioxane	9.07	88	14856	435.629	ug/l #	80
51) 4-Methyl-2-Pentanone	10.29	43	519997	127.152	ug/l	97
52) Toluene	10.50	92	349707	23.556	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	238512	23.786	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	254326	23.334	ug/l	93
55) 1,1,2-Trichloroethane	11.19	97	118212	23.177	ug/l	95
56) Ethyl methacrylate	11.03	69	125947	23.106	ug/l	99
57) 1,3-Dichloropropane	11.41	76	179974	23.046	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	299109	106.889	ug/l	91
59) 2-Hexanone	11.53	43	376453	129.252	ug/l	97
60) Dibromochloromethane	11.68	129	221731	23.340	ug/l	100
61) 1,2-Dibromoethane	11.80	107	149211	24.770	ug/l	100
64) Tetrachloroethene	11.26	164	183140	22.485	ug/l	97
65) Chlorobenzene	12.39	112	439992	23.956	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.51	131	211589	24.634	ug/l	97
67) Ethyl Benzene	12.52	91	805576	24.430	ug/l	100
68) m/p-Xylenes	12.67	106	591989	51.545	ug/l	93
69) o-Xylene	13.05	106	260269	24.790	ug/l	97
70) Styrene	13.07	104	450058	24.405	ug/l	92
71) Bromoform	13.23	173	142851	24.274	ug/l #	98
73) Isopropylbenzene	13.40	105	786369	22.397	ug/l	100
74) N-amyl acetate	13.26	43	196642	23.062	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	136995	23.947	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	159246	25.191	ug/l	98
77) Bromobenzene	13.67	156	214758	22.741	ug/l	91
78) n-propylbenzene	13.77	91	911465	22.304	ug/l	94
79) 2-Chlorotoluene	13.84	91	547542	23.445	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	688341	23.340	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.47	75	38667	23.339	ug/l	96
82) 4-Chlorotoluene	13.95	91	646773	23.004	ug/l	100
83) tert-Butylbenzene	14.18	119	761530	23.166	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	682758	22.587	ug/l	98
85) sec-Butylbenzene	14.37	105	763170	21.360	ug/l	99
86) p-Isopropyltoluene	14.49	119	741549	22.687	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	387823	22.909	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	399269	23.482	ug/l	97
89) n-Butylbenzene	14.79	91	686352	22.435	ug/l	99
90) Hexachloroethane	15.01	117	185772	21.139	ug/l	93
91) 1,2-Dichlorobenzene	14.80	146	361024	24.926	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	15.37	75	26096	23.372	ug/l	88

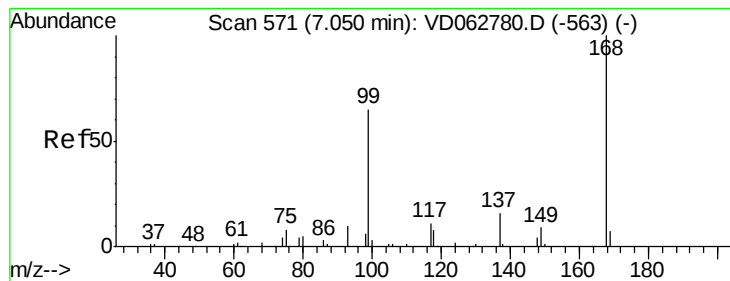
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
Data File : VD063065.D
Acq On : 10 Jul 2019 18:32
Operator : VA/AP
Sample : VD0710SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0710SBSD01

Quant Time: Jul 11 07:02:04 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)
93) 1,2,4-Trichlorobenzene	15.94	180	263681	23.305	ug/l	98
94) Hexachlorobutadiene	16.03	225	190368	22.024	ug/l	94
95) Naphthalene	16.12	128	358154	22.585	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	198932	22.884	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

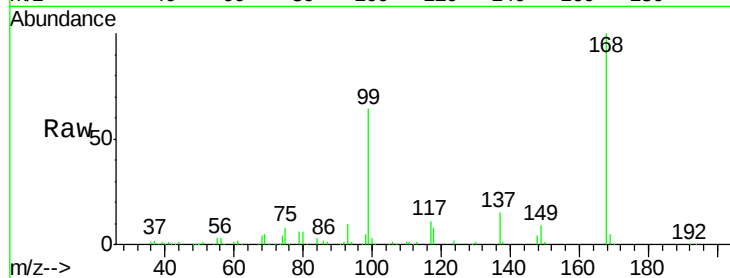
VD0710SBSD01

Tot Ion:168 Resp: 822268

Ion Ratio Lower Upper

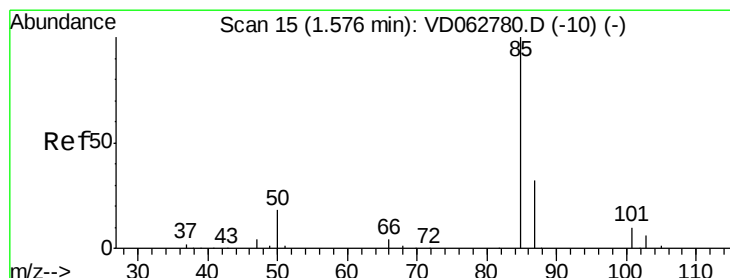
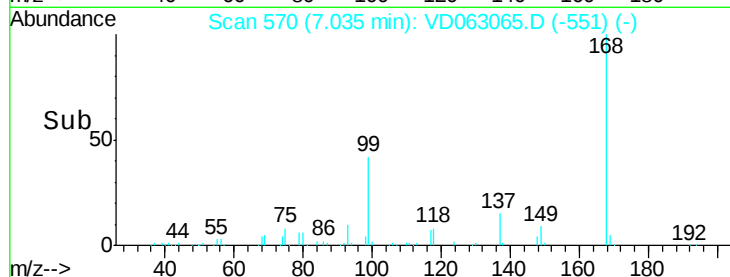
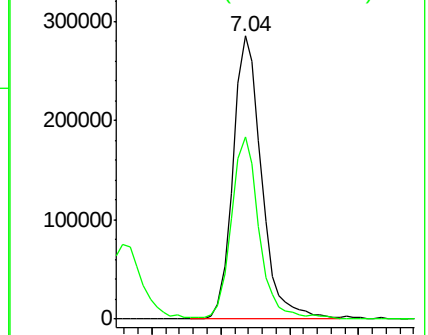
168 100

99 64.2 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: 23.495 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063065.D

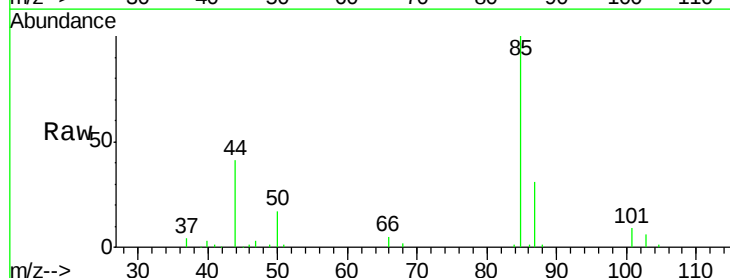
Acq: 10 Jul 2019 18:32

Tgt Ion: 85 Resp: 249993

Ion Ratio Lower Upper

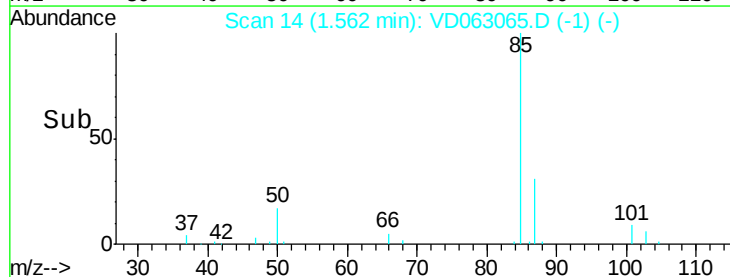
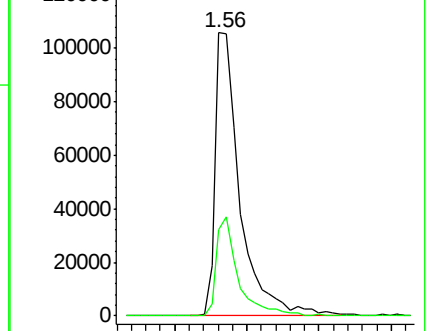
85 100

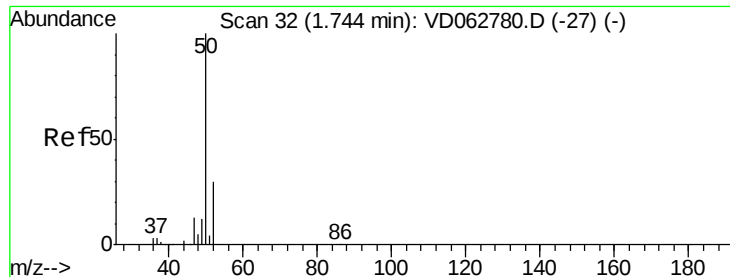
87 30.5 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.685 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

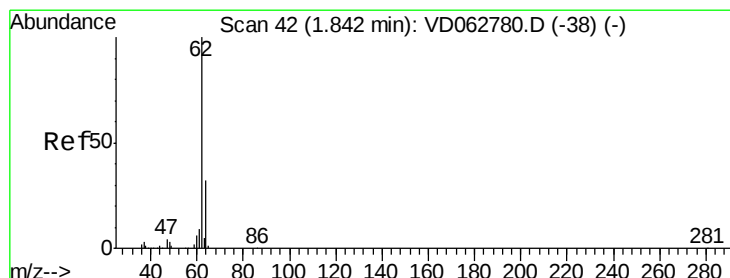
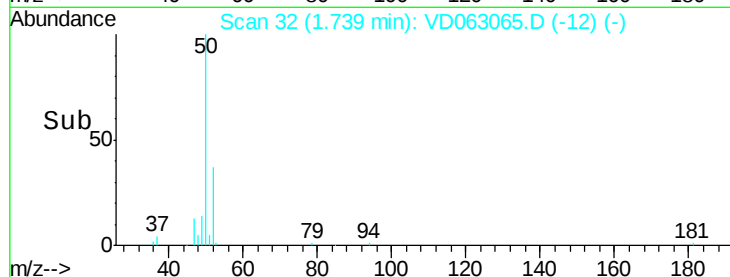
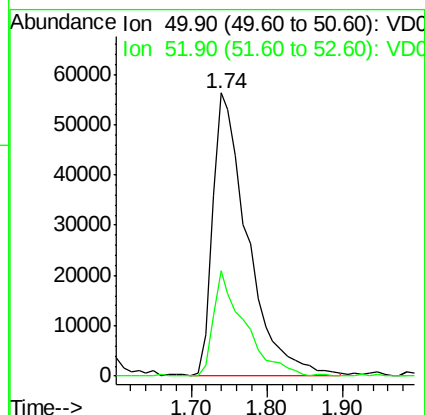
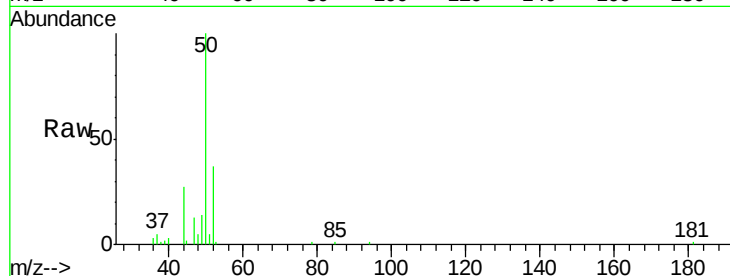
VD0710SBS01

Tot Ion: 50 Resp: 181534

Ion Ratio Lower Upper

50 100

52 37.0 23.6 35.4#



#4

Vinyl Chloride

Concen: 22.916 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063065.D

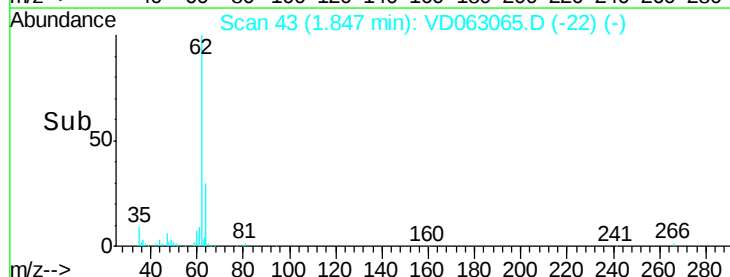
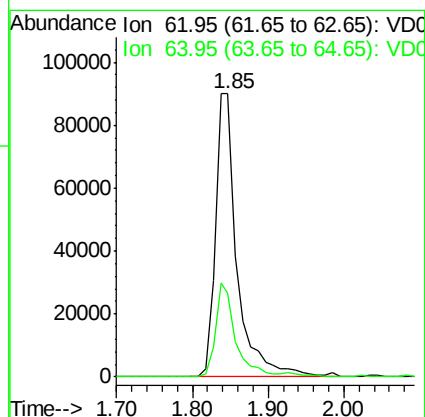
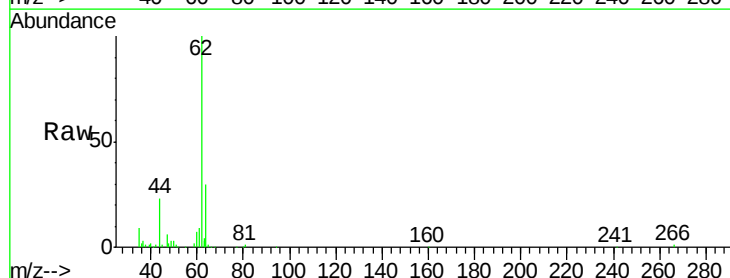
Acq: 10 Jul 2019 18:32

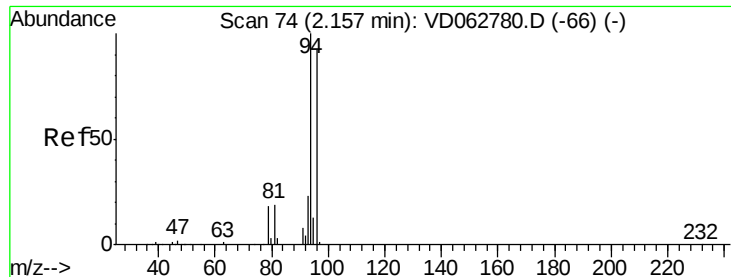
Tgt Ion: 62 Resp: 181820

Ion Ratio Lower Upper

62 100

64 29.6 25.6 38.4





#5

Bromomethane

Concen: 19.082 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

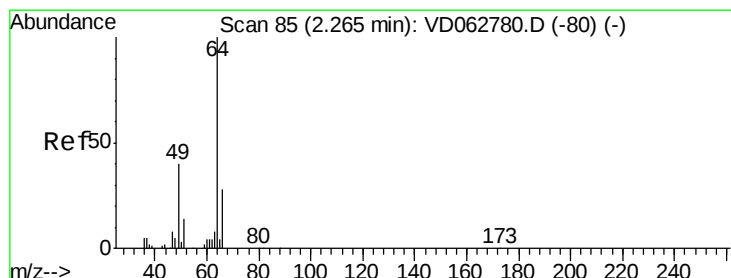
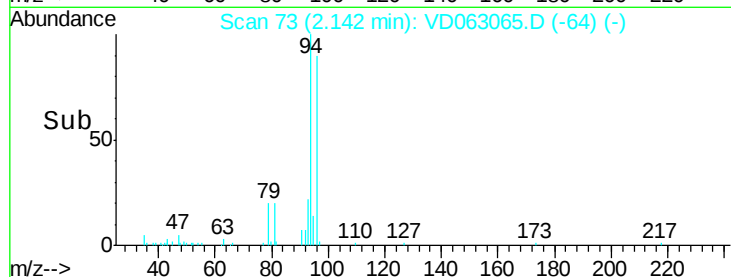
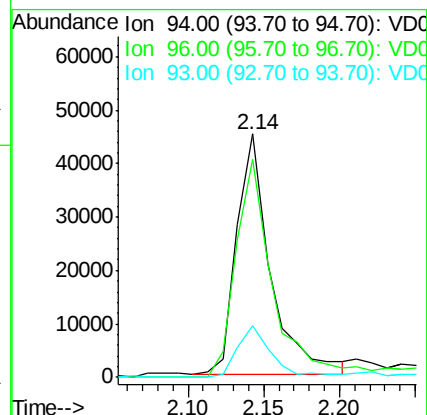
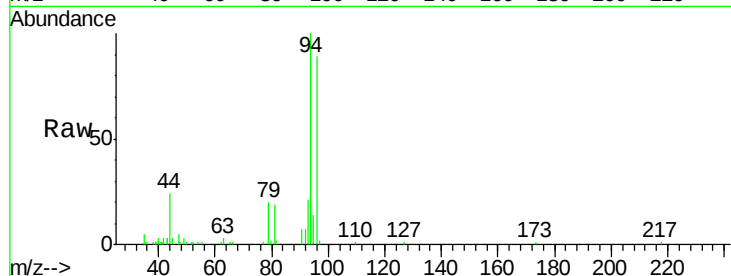
Tot Ion: 94 Resp: 70902

Ion Ratio Lower Upper

94 100

96 89.3 73.4 110.2

93 21.5 18.2 27.4



#6

Chloroethane

Concen: 22.122 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063065.D

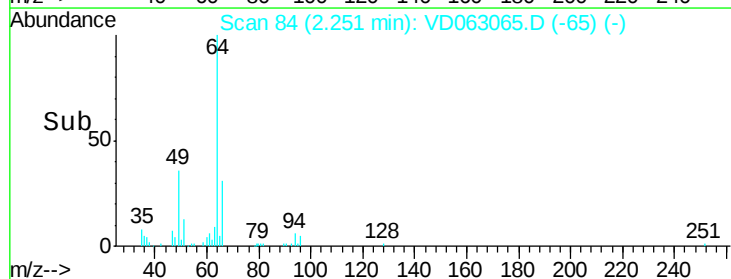
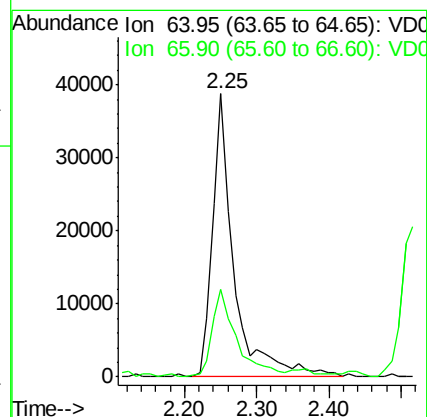
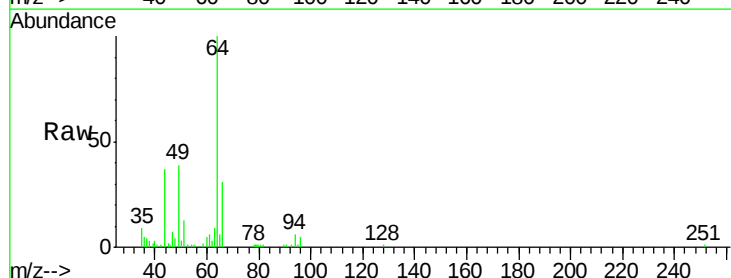
Acq: 10 Jul 2019 18:32

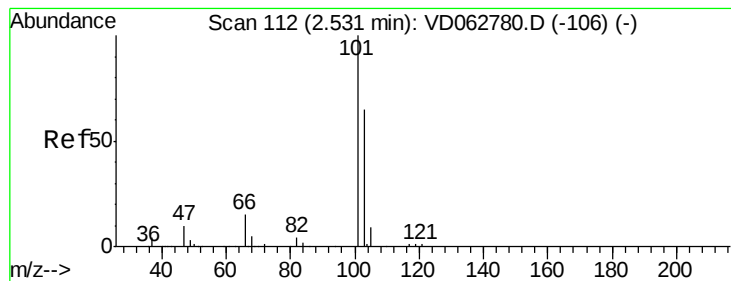
Tgt Ion: 64 Resp: 79466

Ion Ratio Lower Upper

64 100

66 31.0 23.0 34.4



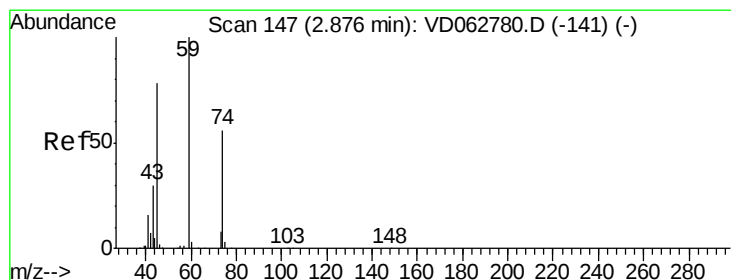
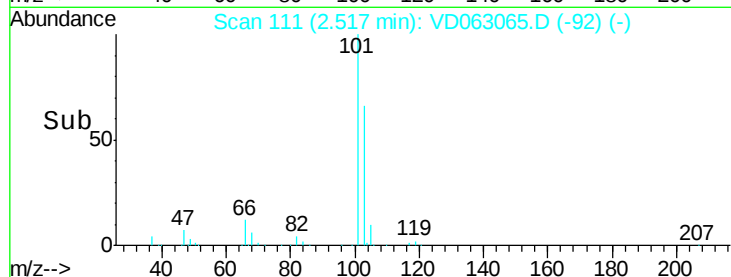
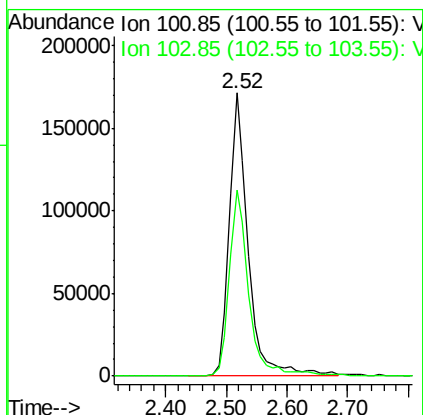
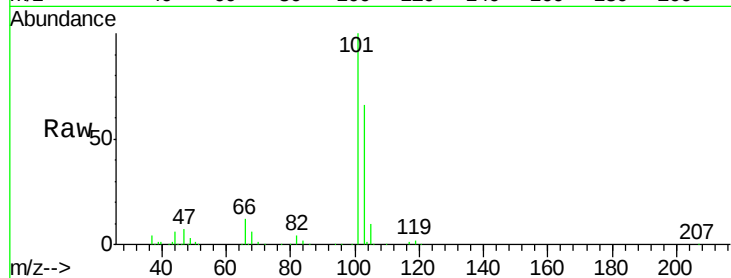


#7

Trichlorofluoromethane
 Concen: 23.163 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBSD01

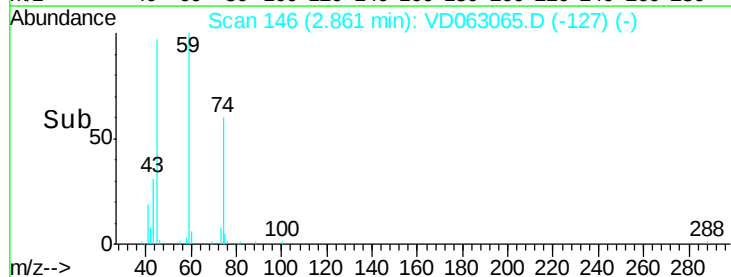
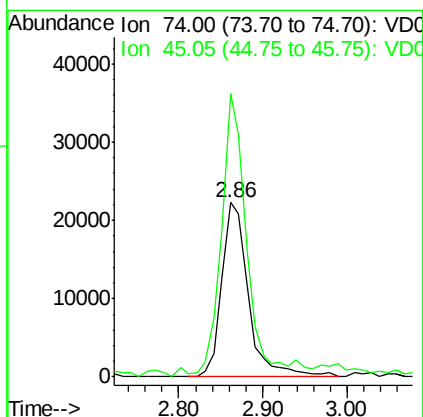
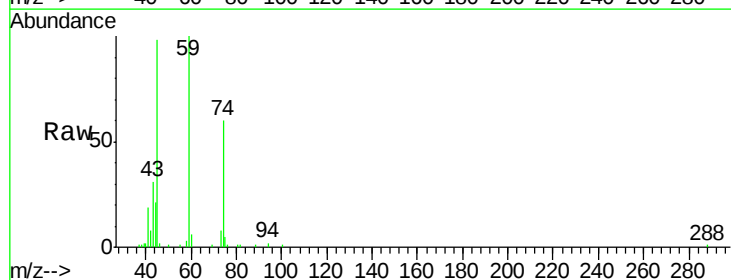
Tot Ion:101 Resp: 371935
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.8 77.8

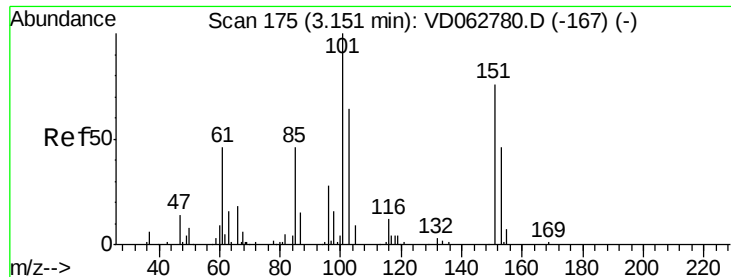


#8

Diethyl Ether
 Concen: 24.074 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

Tgt Ion: 74 Resp: 49116
 Ion Ratio Lower Upper
 74 100
 45 162.3 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.779 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBSD01

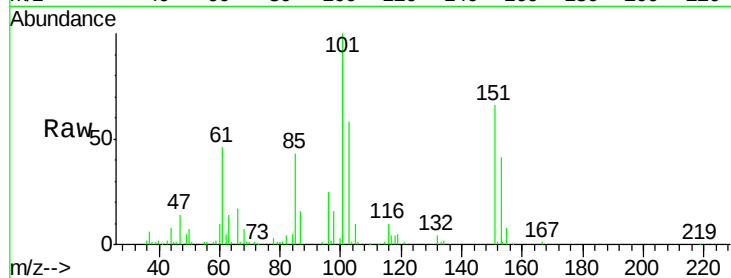
Tot Ion:101 Resp: 206852

Ion Ratio Lower Upper

101 100

85 43.2 37.0 55.4

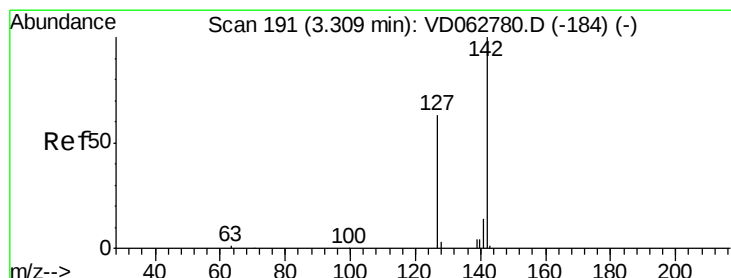
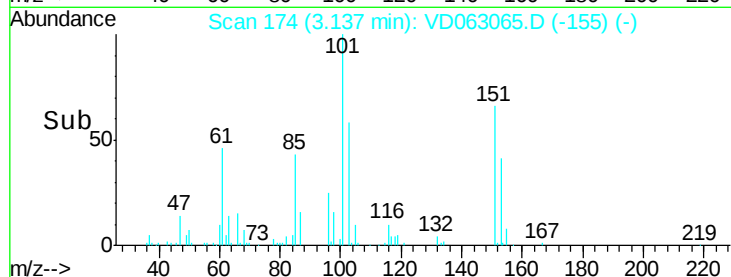
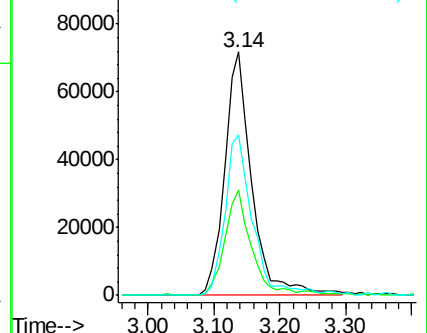
151 65.9 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 22.018 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

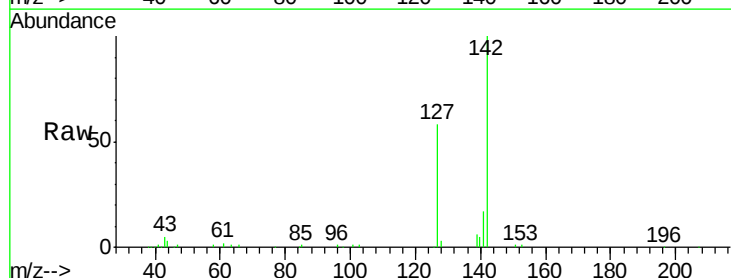
Tgt Ion:142 Resp: 252688

Ion Ratio Lower Upper

142 100

127 58.2 50.1 75.1

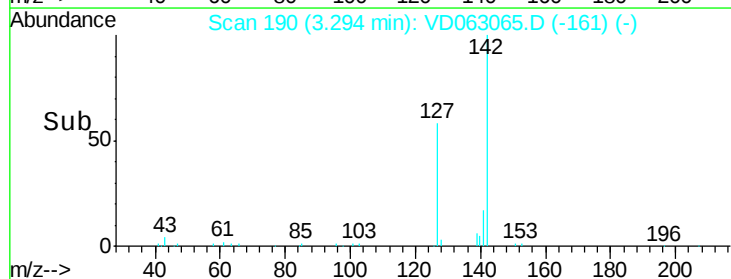
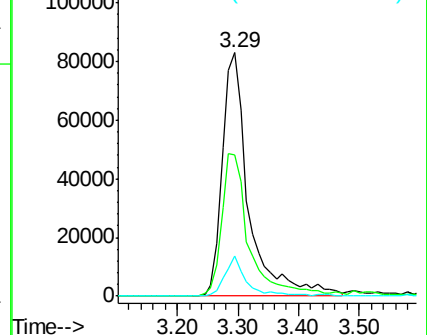
141 16.6 11.0 16.4#



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



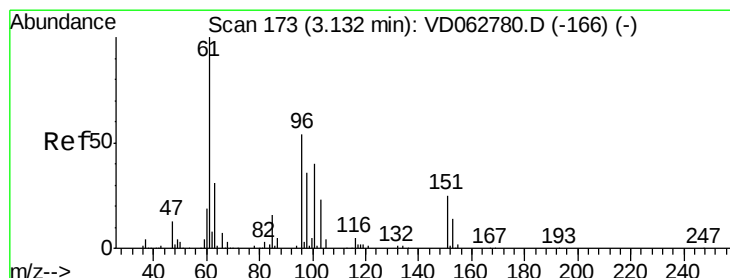
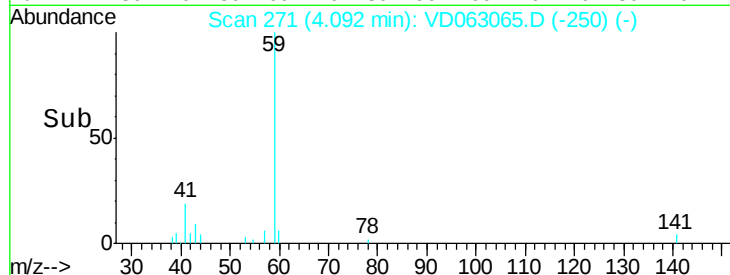
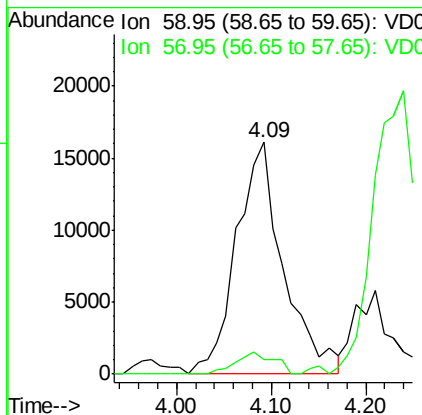
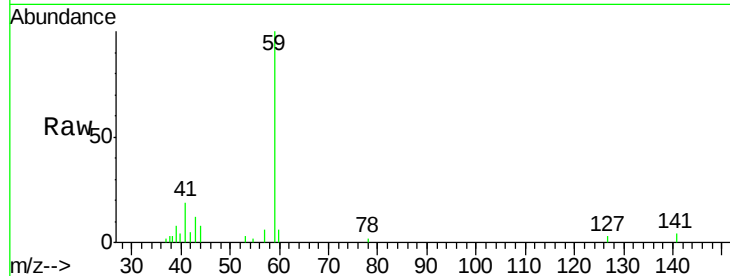


#11

Tert butyl alcohol
 Concen: 135.840 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.01 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBSD01

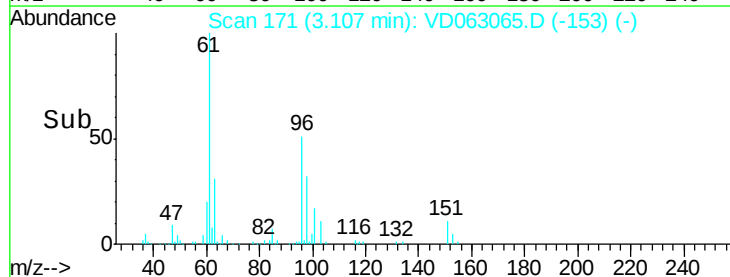
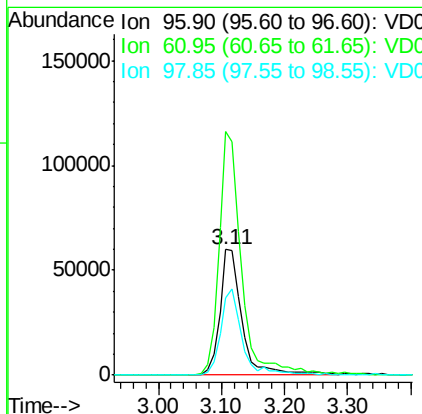
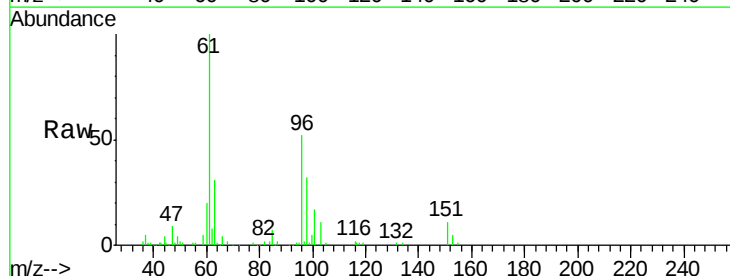
Tot Ion: 59 Resp: 55297
 Ion Ratio Lower Upper
 59 100
 57 6.2 6.6 10.0#



#12

1,1-Dichloroethene
 Concen: 22.704 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.02 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

Tgt Ion: 96 Resp: 148164
 Ion Ratio Lower Upper
 96 100
 61 194.1 147.1 220.7
 98 61.9 52.6 79.0





#13

Acrolein

Concen: 63.774 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

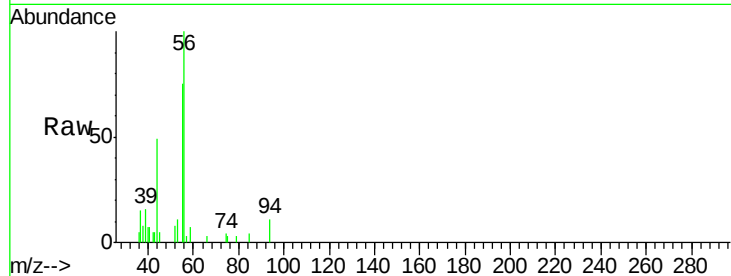
VD0710SBS01

Tot Ion: 56 Resp: 26503

Ion Ratio Lower Upper

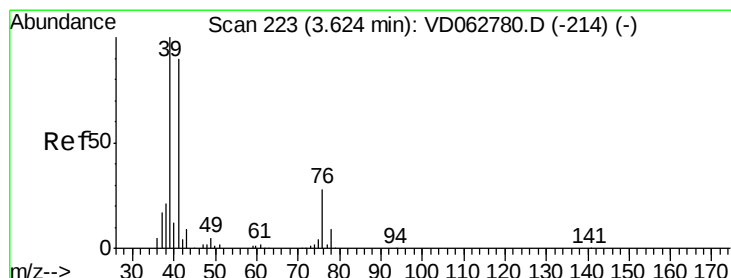
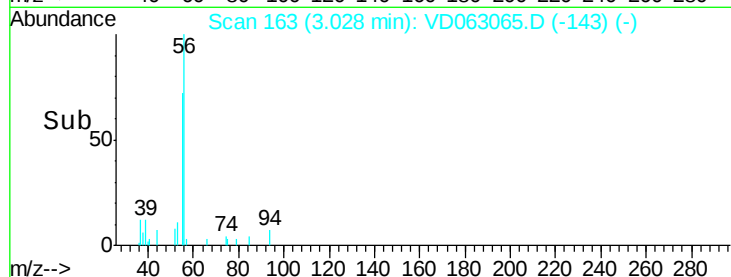
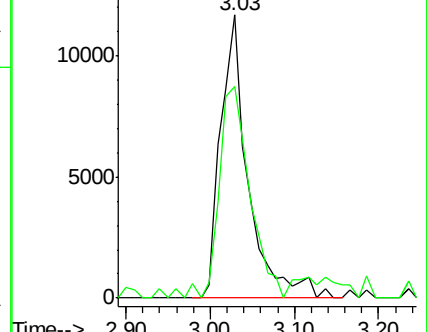
56 100

55 74.9 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: 23.949 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

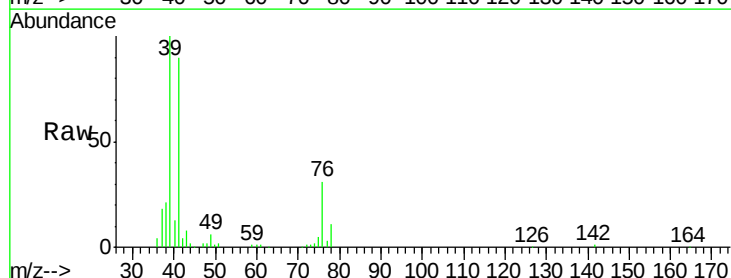
Tgt Ion: 41 Resp: 230928

Ion Ratio Lower Upper

41 100

39 111.3 88.8 133.2

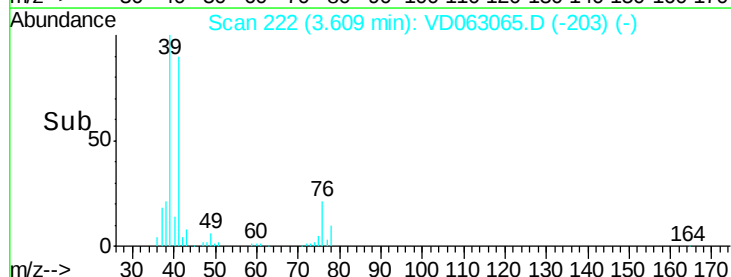
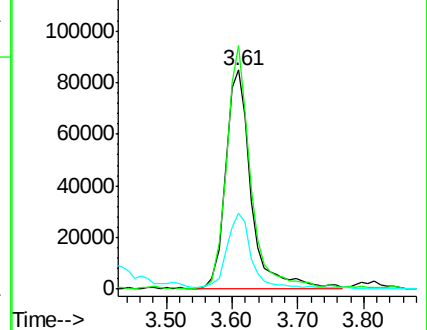
76 34.5 26.7 40.1

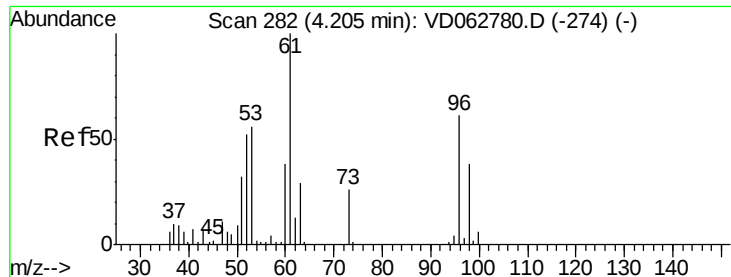


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 137.855 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

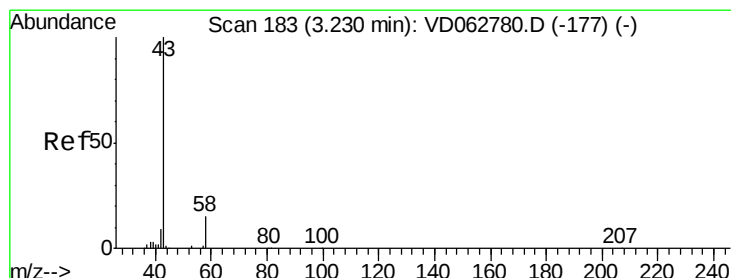
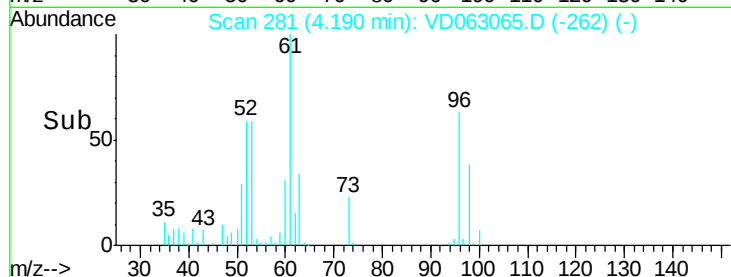
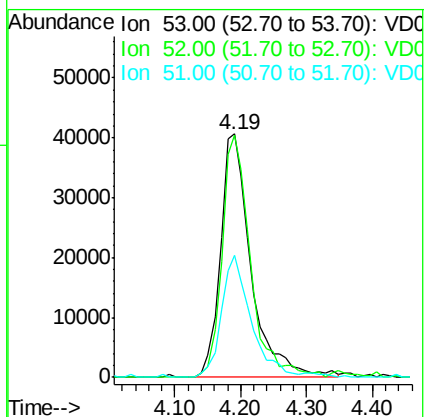
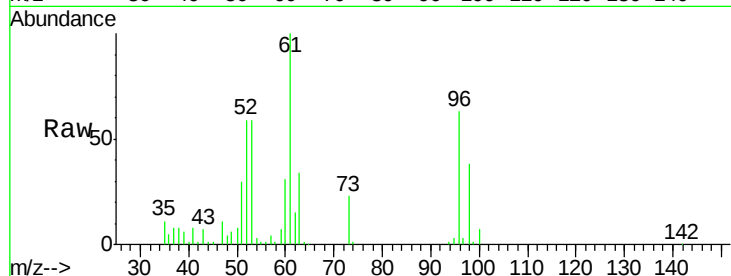
Tot Ion: 53 Resp: 131860

Ion Ratio Lower Upper

53 100

52 99.4 73.3 109.9

51 50.4 44.8 67.2



#16

Acetone

Concen: 102.121 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063065.D

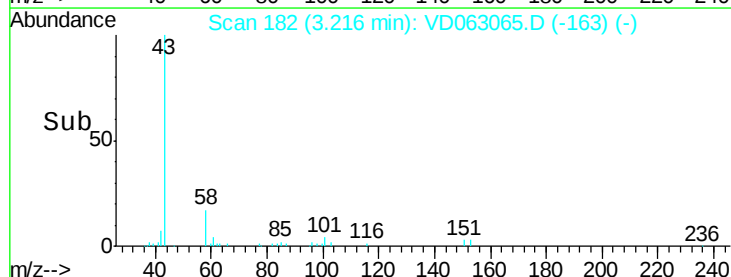
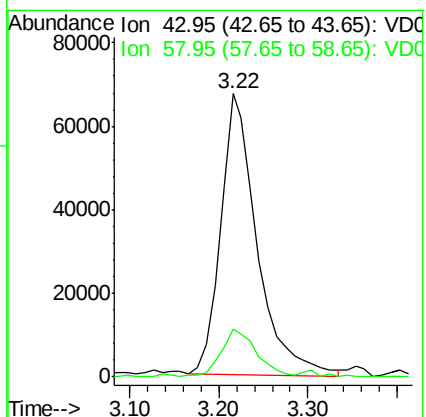
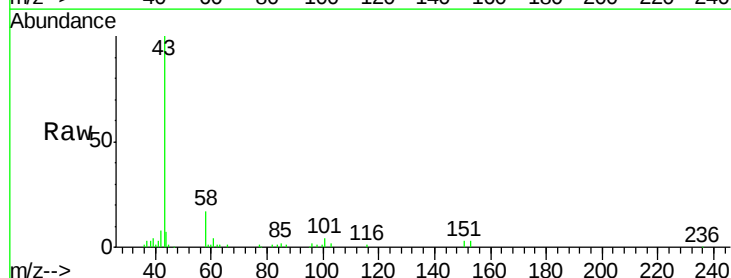
Acq: 10 Jul 2019 18:32

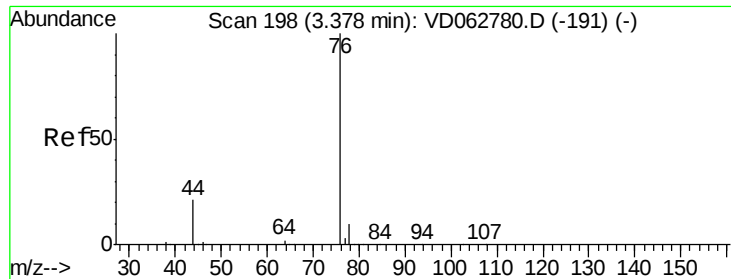
Tgt Ion: 43 Resp: 192598

Ion Ratio Lower Upper

43 100

58 17.0 11.9 17.9

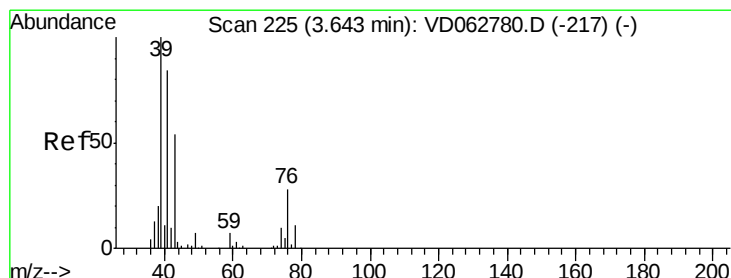
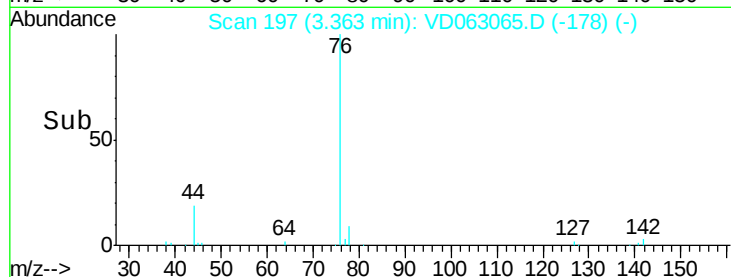
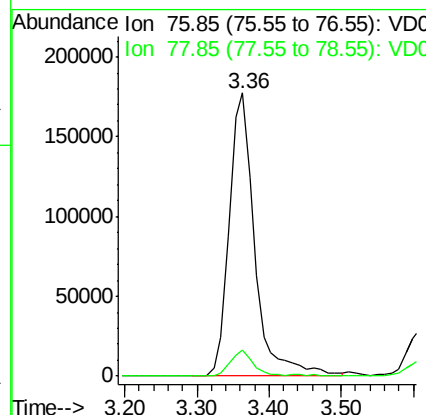
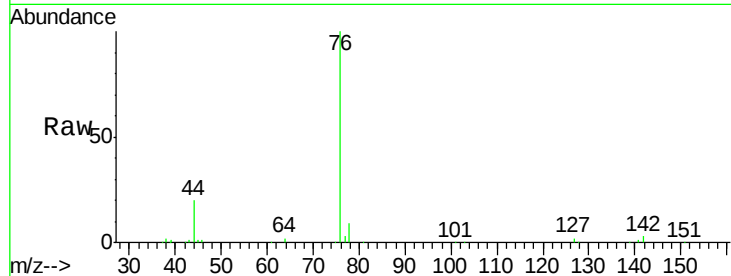




#17
Carbon Disulfide
Concen: 20.954 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

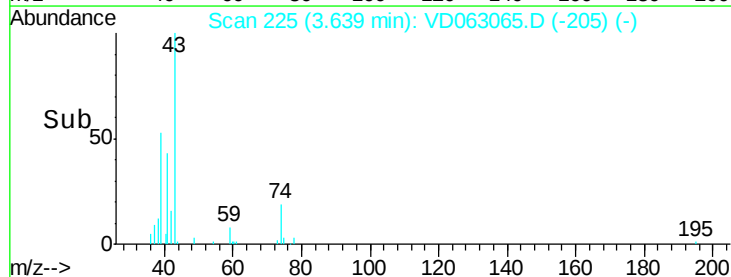
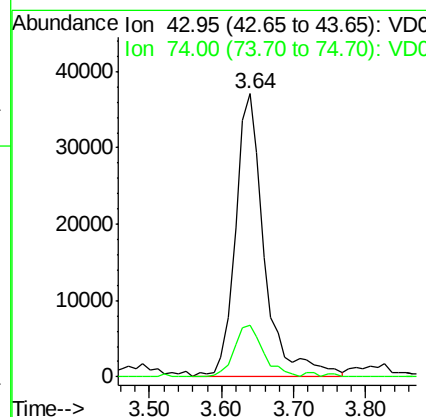
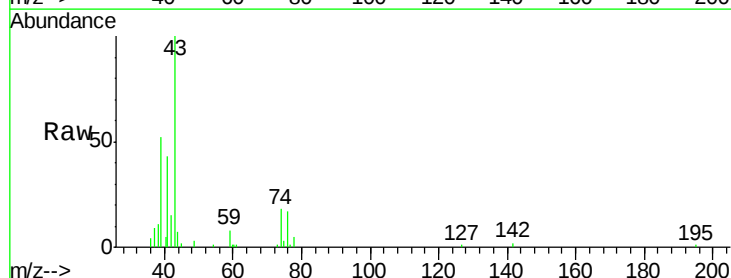
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBSD01

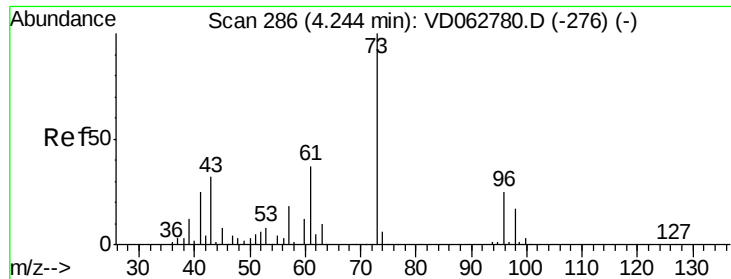
Tot Ion: 76 Resp: 437015
Ion Ratio Lower Upper
76 100
78 9.2 8.0 12.0



#18
Methyl Acetate
Concen: 38.461 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

Tgt Ion: 43 Resp: 103774
Ion Ratio Lower Upper
43 100
74 18.4 15.2 22.8

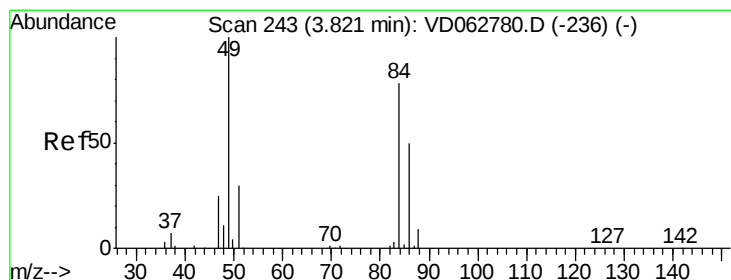
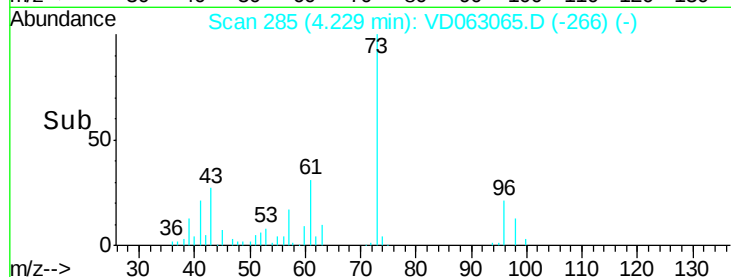
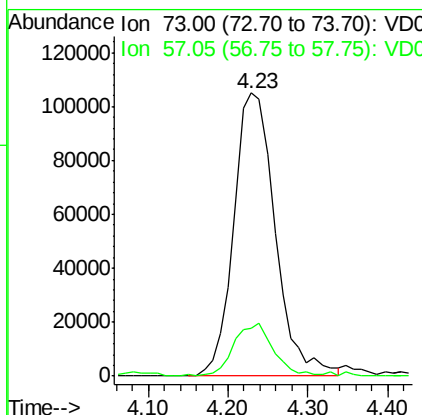
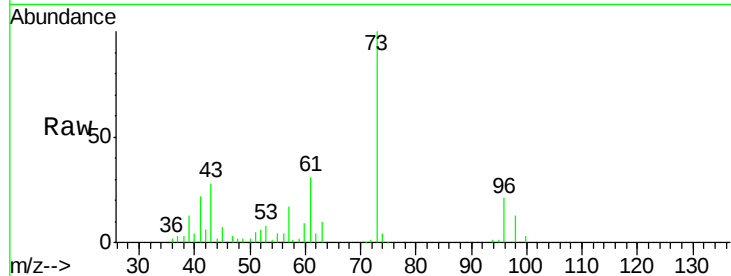




#19
Methyl tert-butyl Ether
Concen: 26.848 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

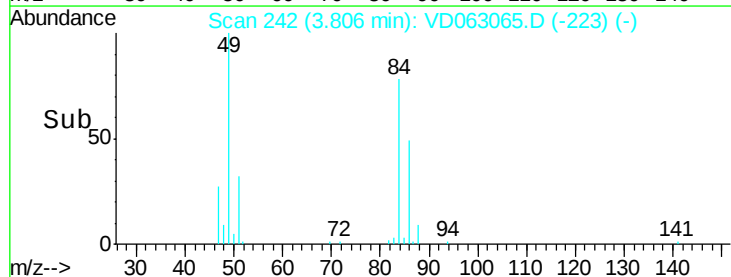
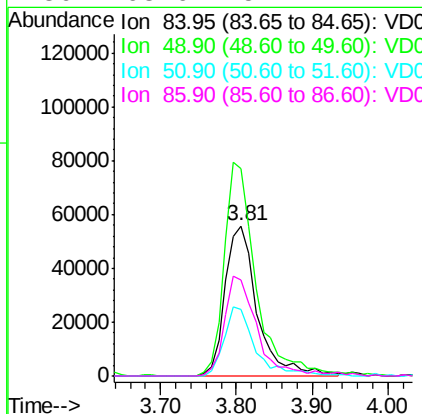
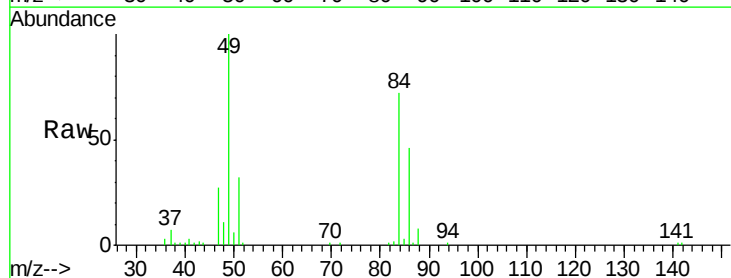
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

Tot Ion: 73 Resp: 379290
Ion Ratio Lower Upper
73 100
57 17.0 14.3 21.5



#20
Methylene Chloride
Concen: 24.213 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

Tgt Ion: 84 Resp: 165048
Ion Ratio Lower Upper
84 100
49 138.1 102.9 154.3
51 44.6 31.2 46.8
86 63.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 24.183 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

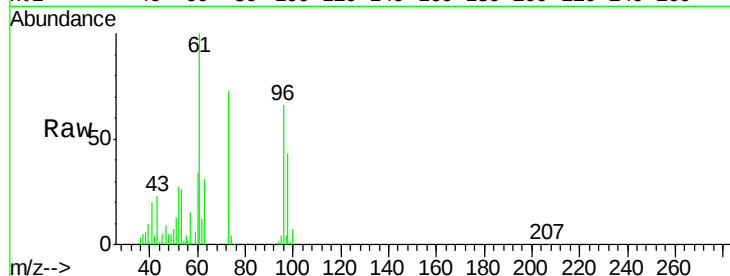
Tot Ion: 96 Resp: 168035

Ion Ratio Lower Upper

96 100

61 152.6 131.0 196.4

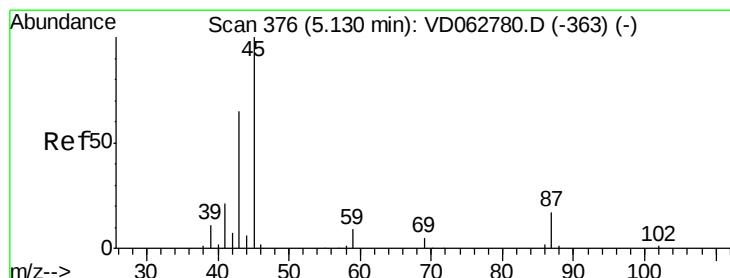
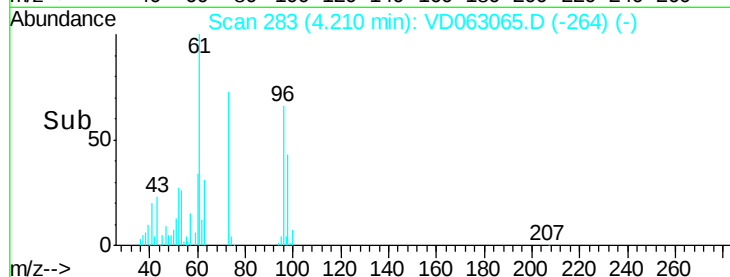
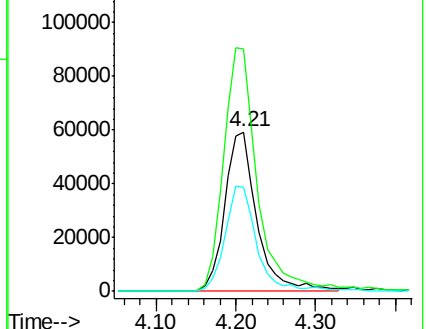
98 65.5 53.2 79.8



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: 26.369 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Tgt Ion: 45 Resp: 517080

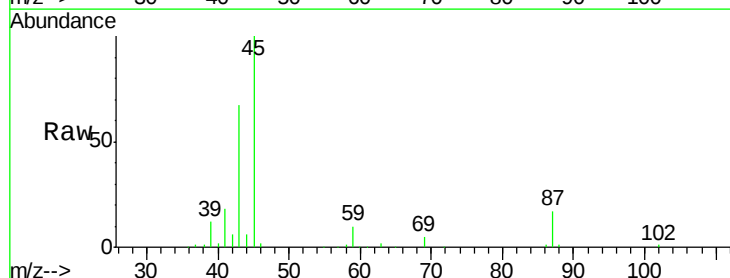
Ion Ratio Lower Upper

45 100

43 66.6 53.4 80.0

87 17.1 14.6 22.0

59 10.3 7.8 11.8

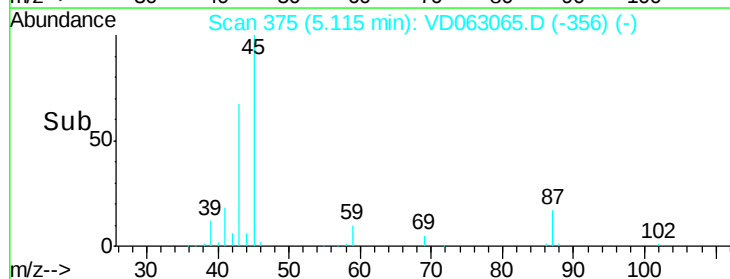
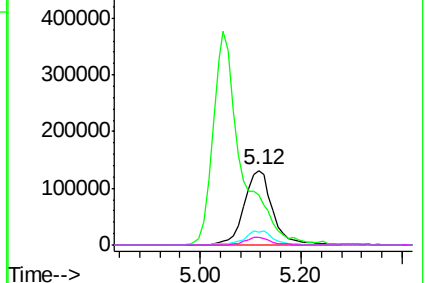


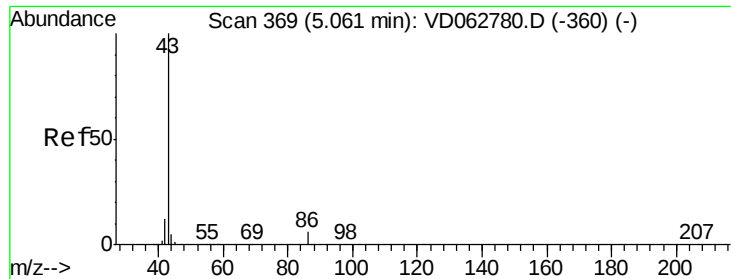
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

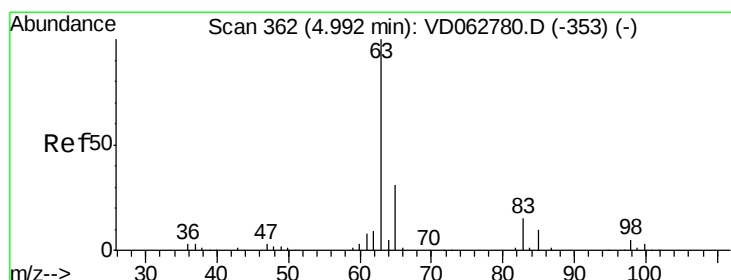
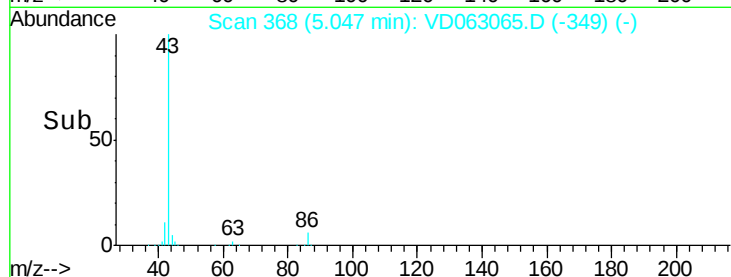
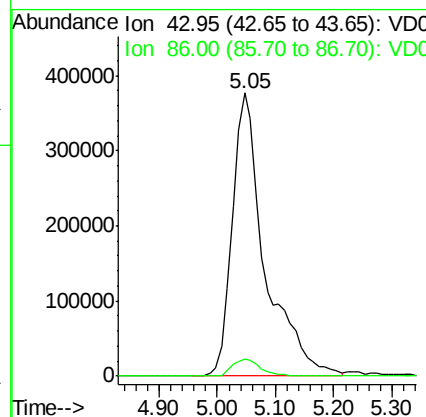
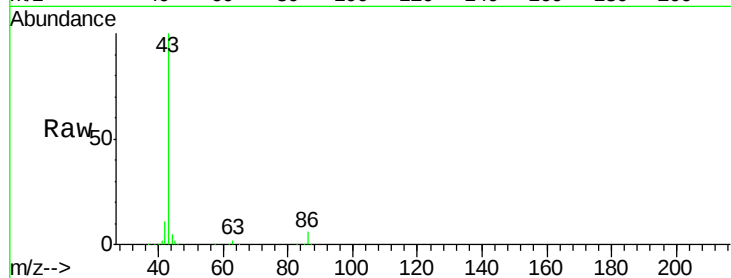




#23
 Vinyl Acetate
 Concen: 119.808 ug/l
 RT: 5.05 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

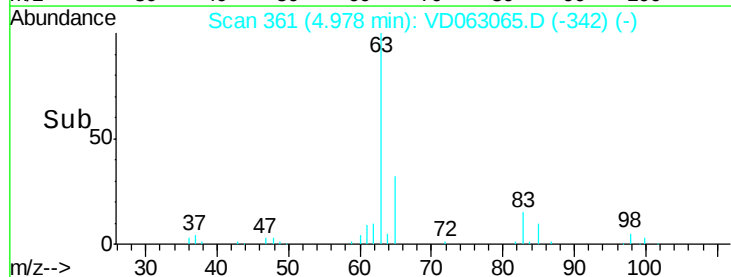
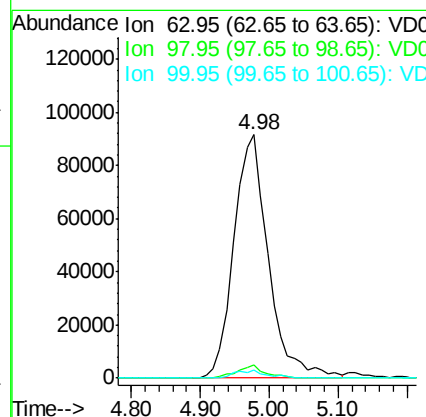
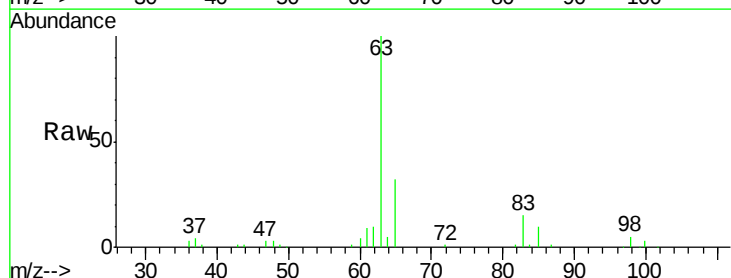
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBSD01

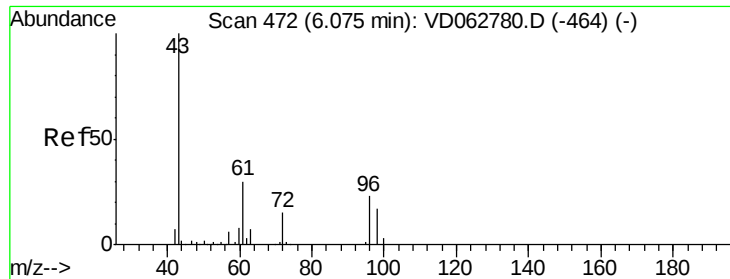
Tot Ion: 43 Resp: 1470114
 Ion Ratio Lower Upper
 43 100
 86 6.1 4.7 7.1



#24
 1,1-Dichloroethane
 Concen: 24.911 ug/l
 RT: 4.98 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

Tgt Ion: 63 Resp: 318046
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.3 6.9
 100 3.3 1.7 5.1





#25

2-Butanone

Concen: 122.687 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

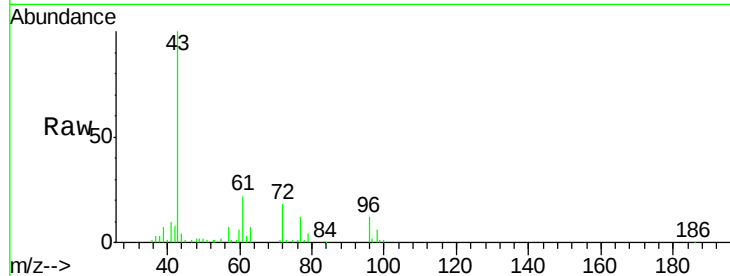
VD0710SBS01

Tot Ion: 43 Resp: 205091

Ion Ratio Lower Upper

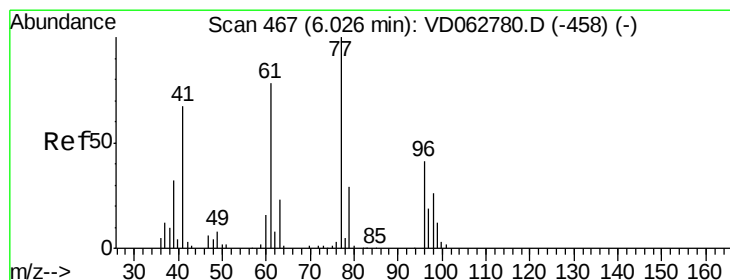
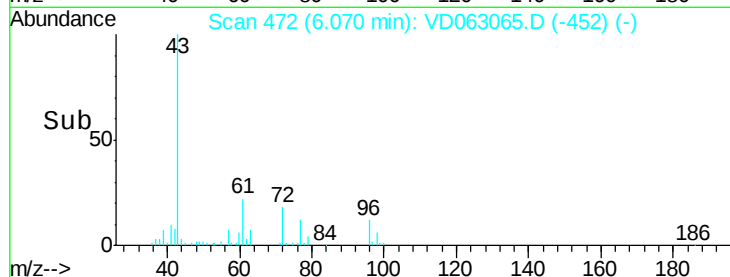
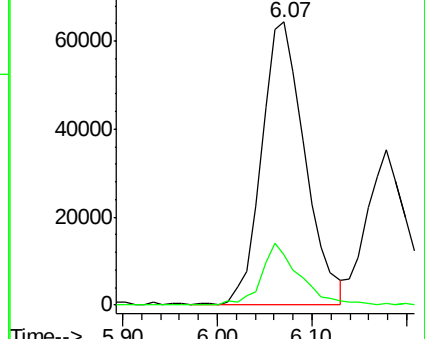
43 100

72 17.9 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: 23.311 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD063065.D

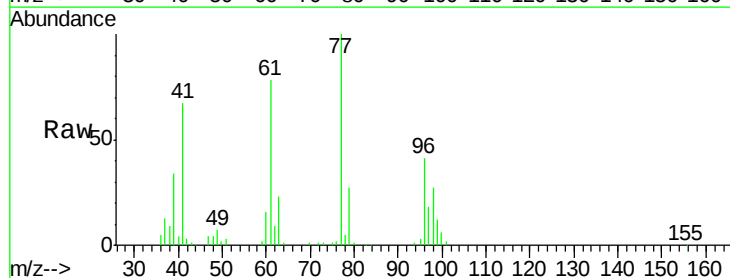
Acq: 10 Jul 2019 18:32

Tgt Ion: 77 Resp: 315469

Ion Ratio Lower Upper

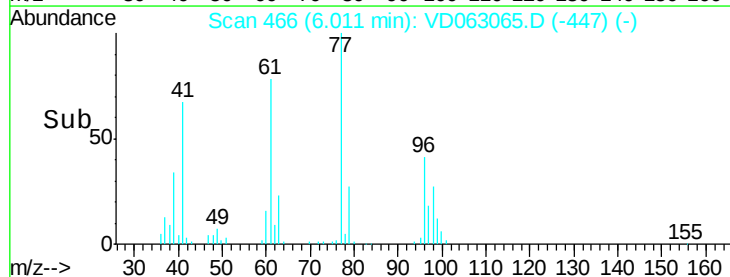
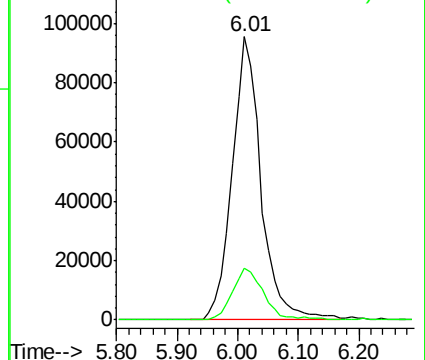
77 100

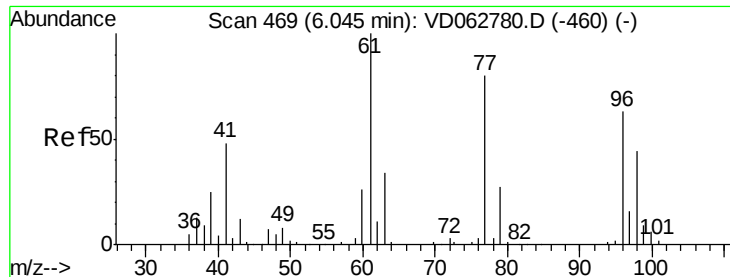
97 18.4 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



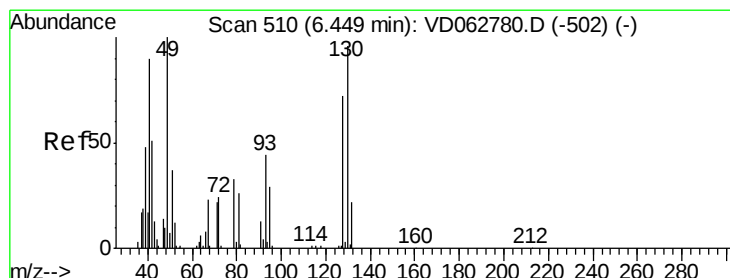
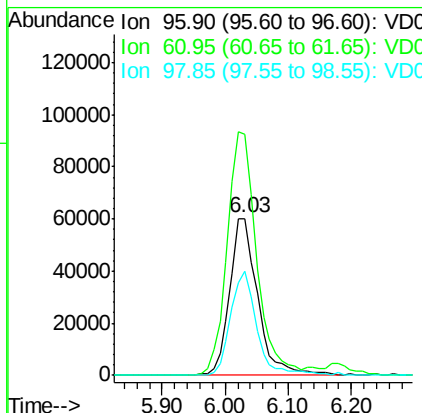
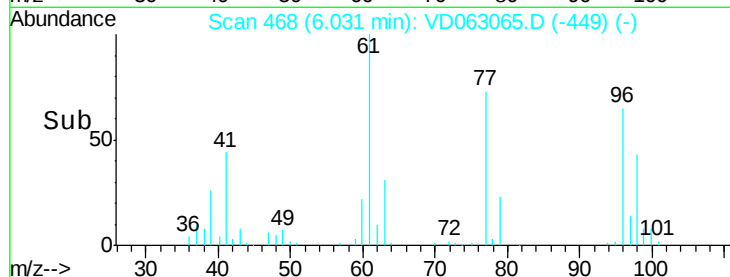
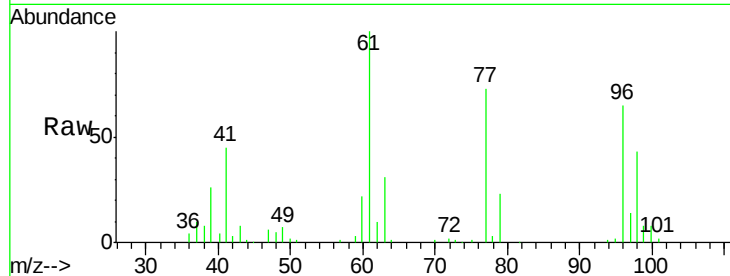


#27

cis-1,2-Dichloroethene
Concen: 25.131 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

Instrument :
MSVOA_D
ClientSampleId :
VD0710SBSD01

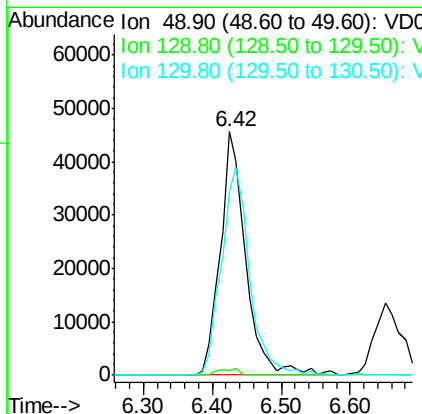
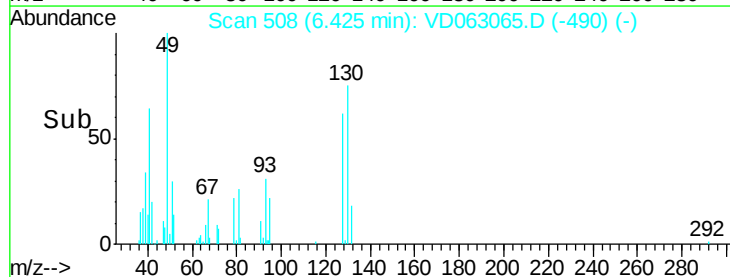
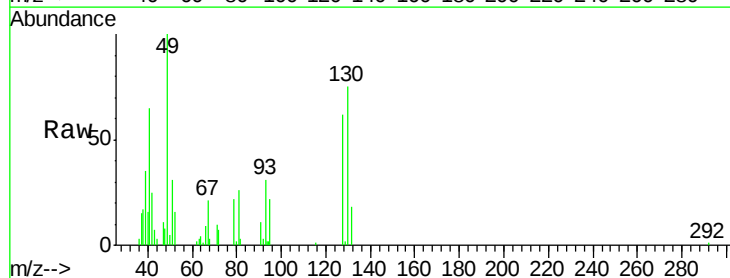
Tot Ion: 96 Resp: 184666
Ion Ratio Lower Upper
96 100
61 153.3 0.0 316.0
98 66.0 0.0 138.4

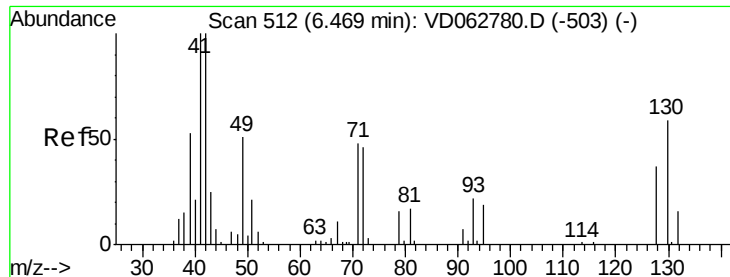


#28

Bromochloromethane
Concen: 25.950 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

Tgt Ion: 49 Resp: 116690
Ion Ratio Lower Upper
49 100
129 1.7 0.0 5.6
130 75.3 76.6 114.8#





#29

Tetrahydrofuran

Concen: 133.629 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

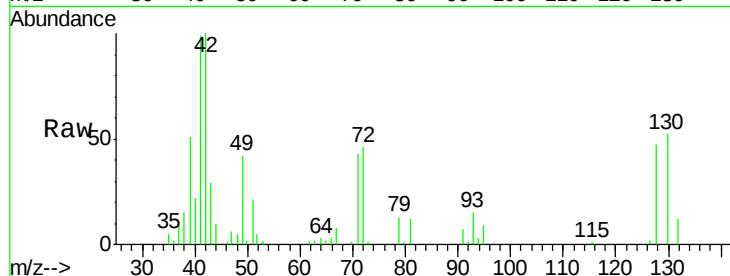
Tot Ion: 42 Resp: 105691

Ion Ratio Lower Upper

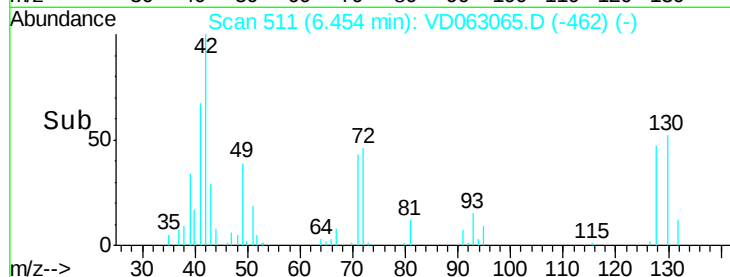
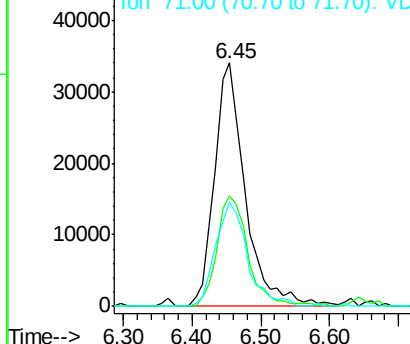
42 100

72 45.7 35.0 52.6

71 44.0 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: 25.024 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.02 min

Lab File: VD063065.D

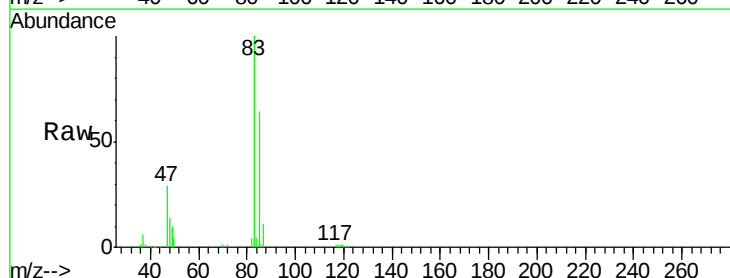
Acq: 10 Jul 2019 18:32

Tgt Ion: 83 Resp: 388552

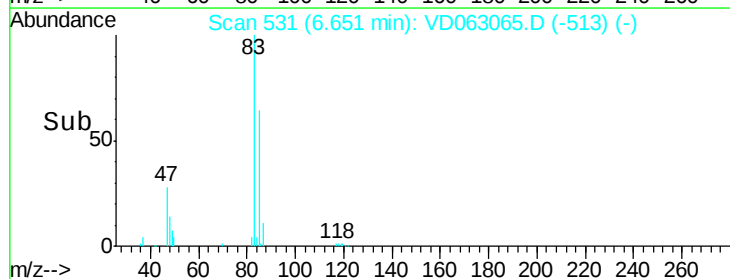
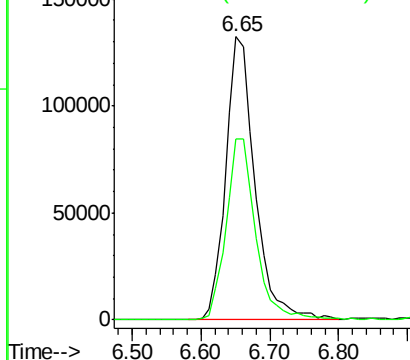
Ion Ratio Lower Upper

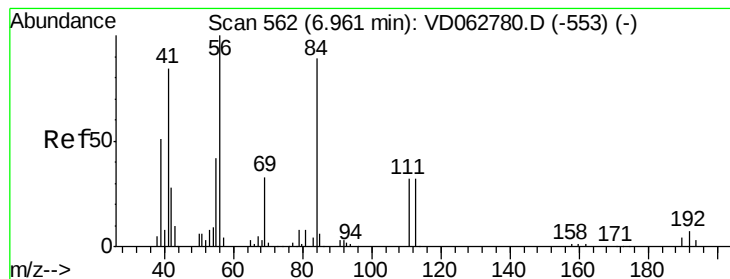
83 100

85 64.1 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: 24.095 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.01 min

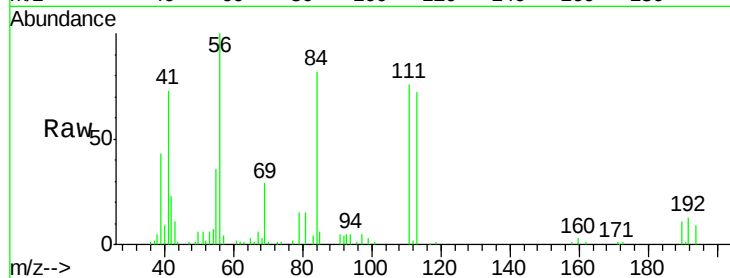
Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

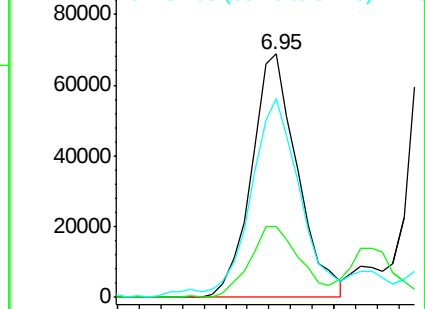
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

Tot Ion: 56 Resp: 202234

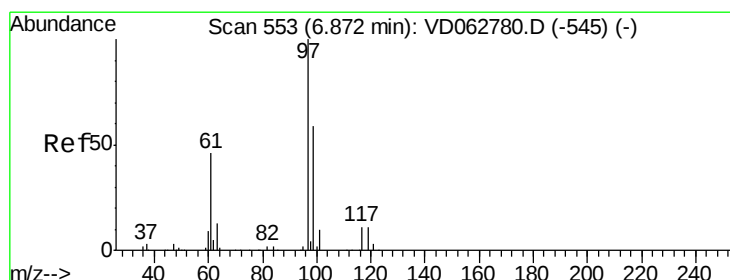
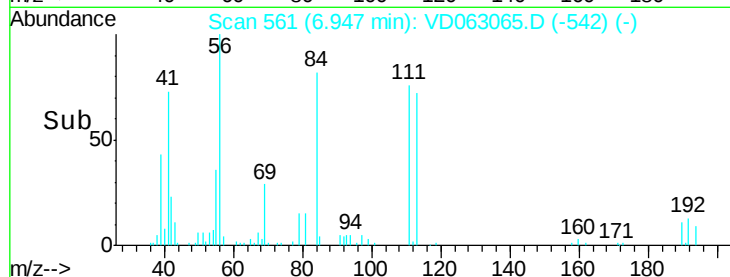
Ion	Ratio	Lower	Upper
56	100		
69	28.9	26.6	39.8
84	81.9	75.5	113.3



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



Time--> 6.80 6.90 7.00



#32

1,1,1-Trichloroethane

Concen: 23.318 ug/l

RT: 6.86 min Scan# 552

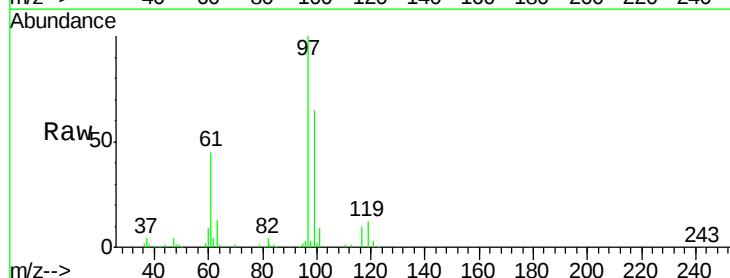
Delta R.T. -0.01 min

Lab File: VD063065.D

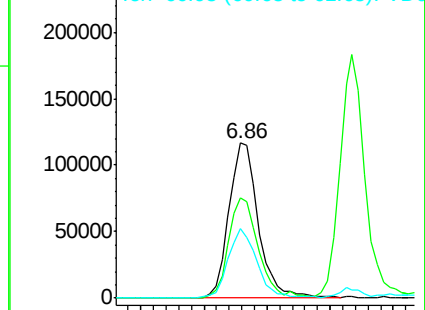
Acq: 10 Jul 2019 18:32

Tgt Ion: 97 Resp: 377105

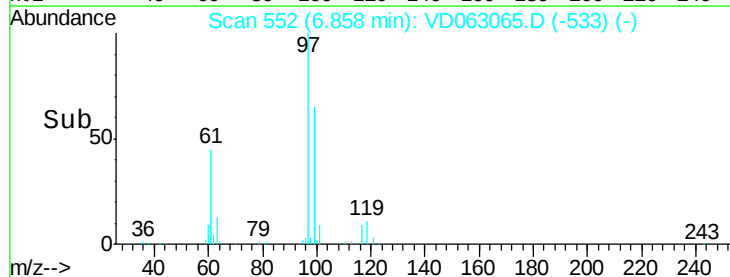
Ion	Ratio	Lower	Upper
97	100		
99	64.5	47.4	71.2
61	45.0	37.2	55.8

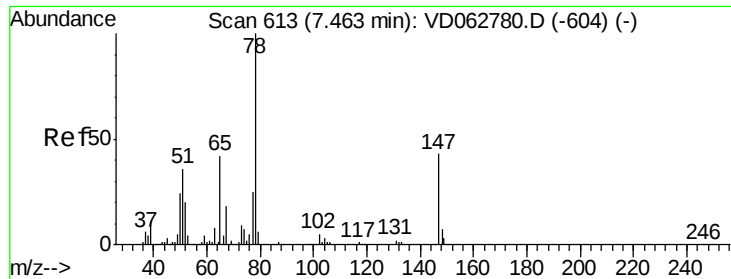


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC



Time--> 6.70 6.80 6.90 7.00 7.10





#33

1,2-Dichloroethane-d4

Concen: 50.763 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

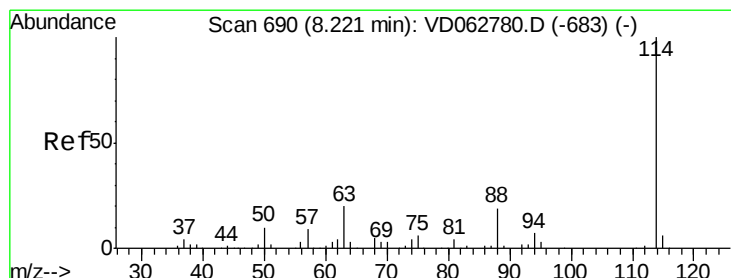
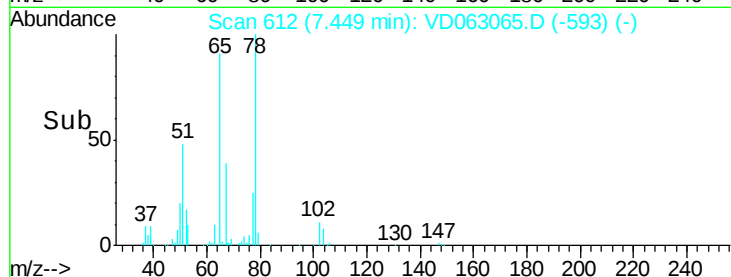
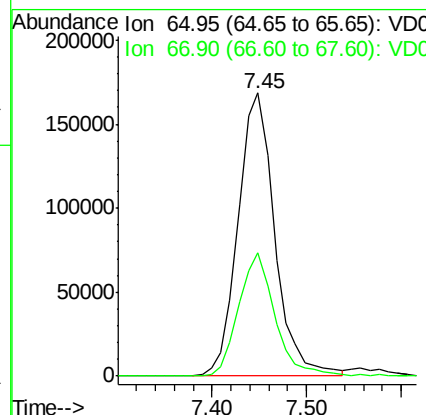
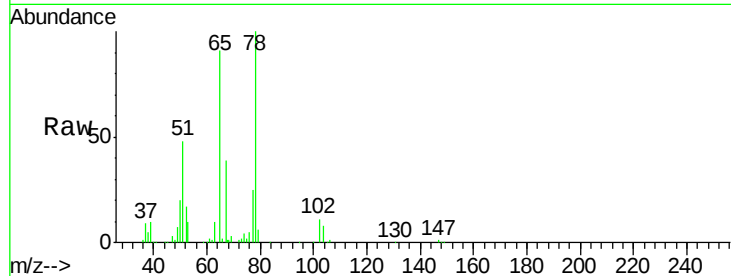
VD0710SBS01

Tot Ion: 65 Resp: 453719

Ion Ratio Lower Upper

65 100

67 43.5 0.0 87.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

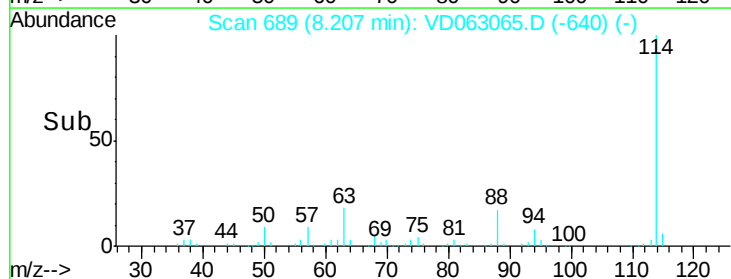
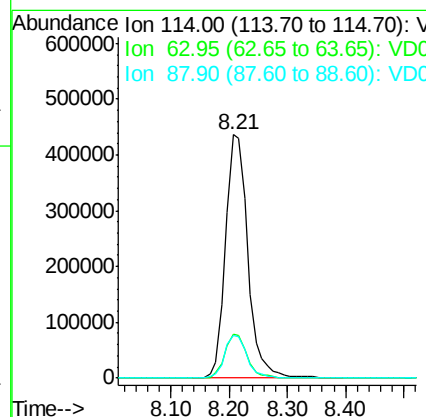
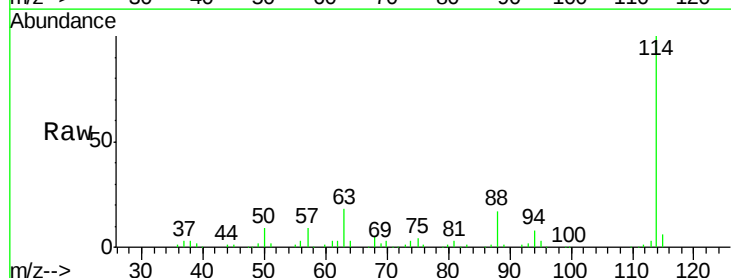
Tgt Ion: 114 Resp: 1162247

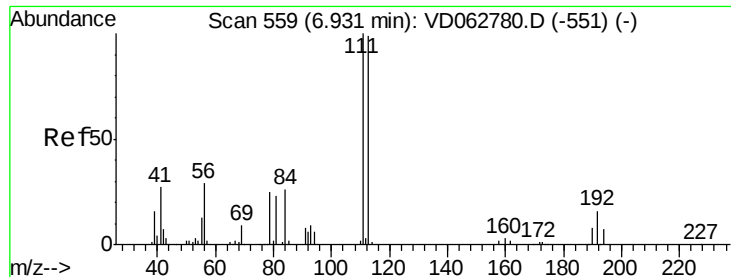
Ion Ratio Lower Upper

114 100

63 18.2 0.0 40.0

88 17.4 0.0 38.8

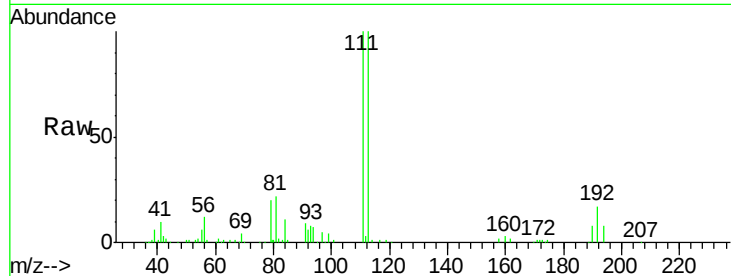




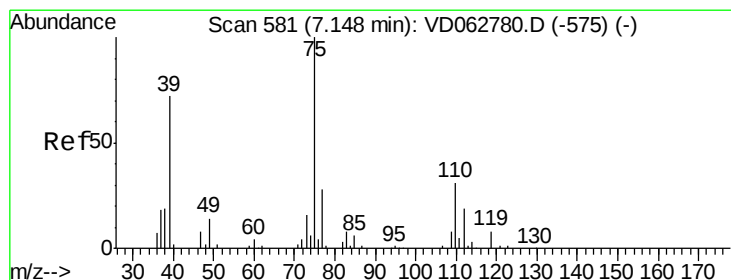
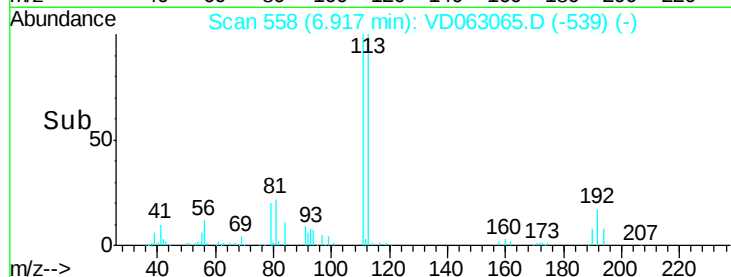
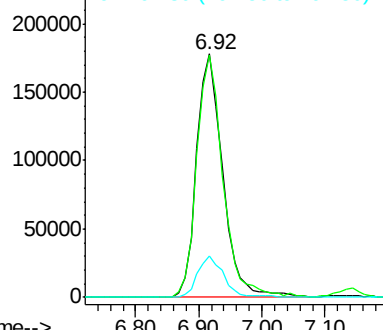
#35
 Dibromofluoromethane
 Concen: 52.417 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBSD01

Tot Ion:113 Resp: 513689
 Ion Ratio Lower Upper
 113 100
 111 99.7 81.2 121.8
 192 17.1 12.9 19.3

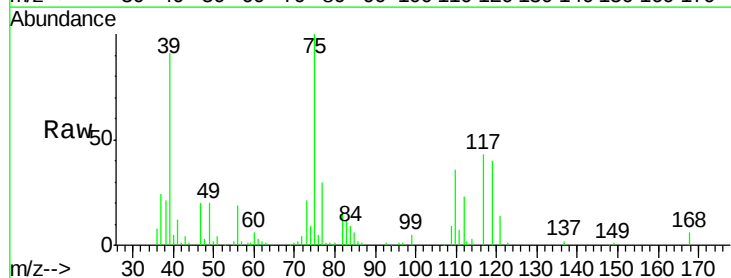


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

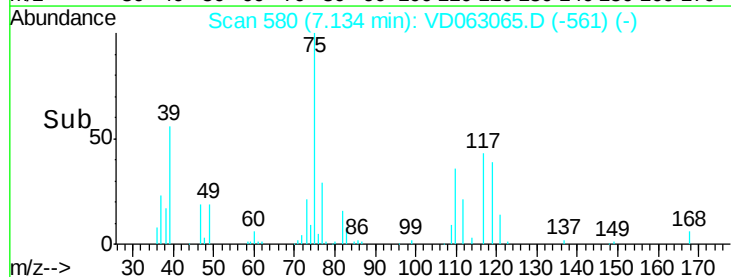
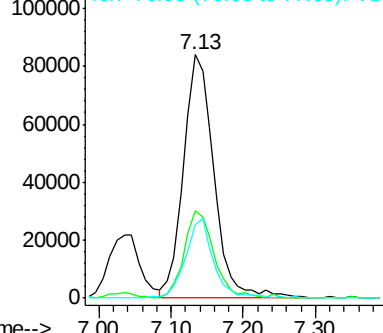


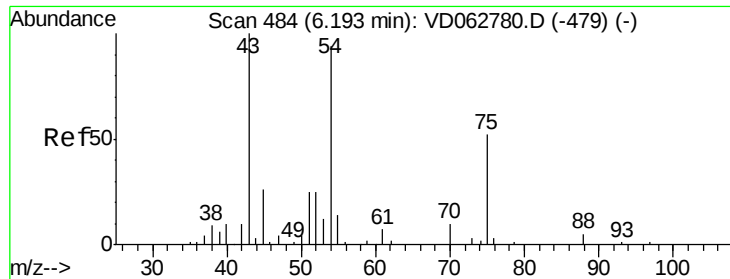
#36
 1,1-Dichloropropene
 Concen: 22.287 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

Tgt Ion: 75 Resp: 245205
 Ion Ratio Lower Upper
 75 100
 110 35.7 15.0 45.1
 77 30.3 22.2 33.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

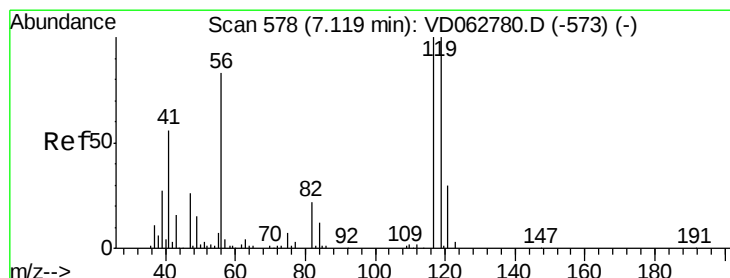
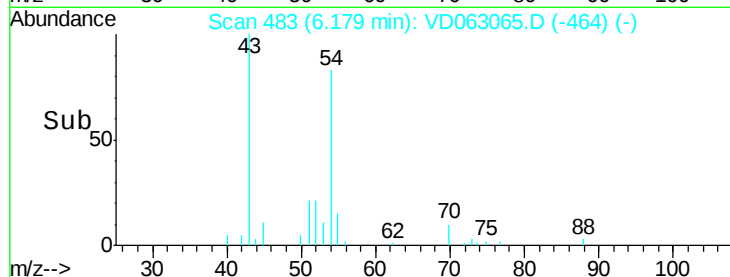
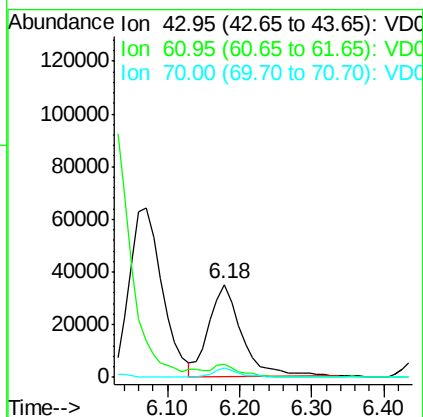
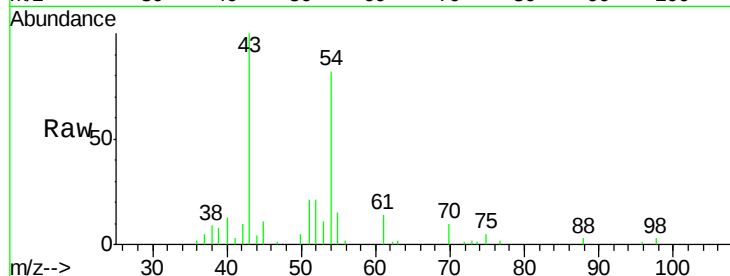




#37
Ethyl Acetate
Concen: 23.361 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

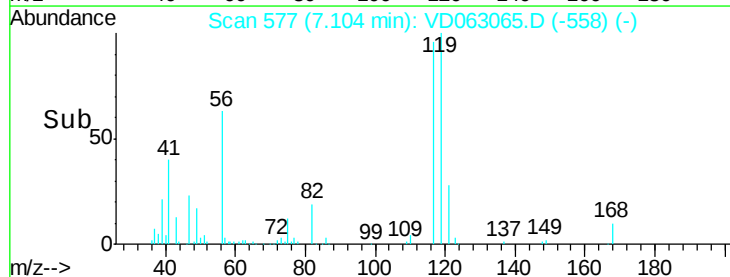
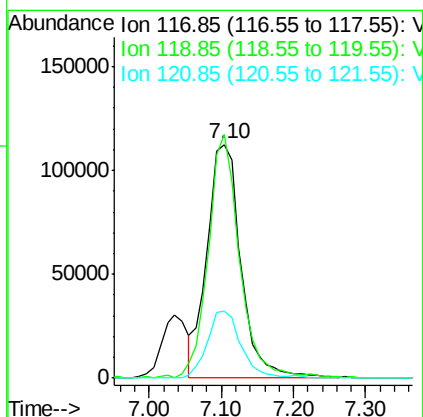
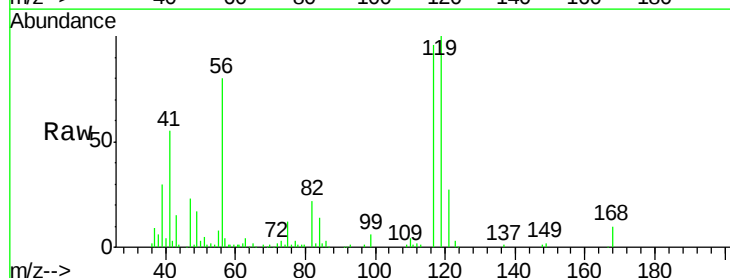
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

Tot Ion: 43 Resp: 110682
Ion Ratio Lower Upper
43 100
61 13.6 11.6 17.4
70 9.9 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 21.917 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

Tgt Ion: 117 Resp: 362659
Ion Ratio Lower Upper
117 100
119 104.1 75.4 113.2
121 28.4 22.3 33.5





#39

Methvlcvclohexane

Concen: 22.365 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

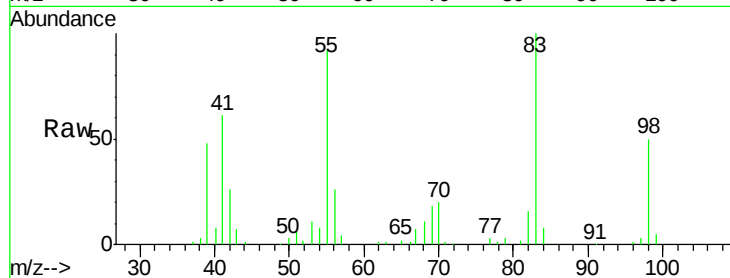
Tot Ion: 83 Resp: 216595

Ion Ratio Lower Upper

83 100

55 91.6 76.6 115.0

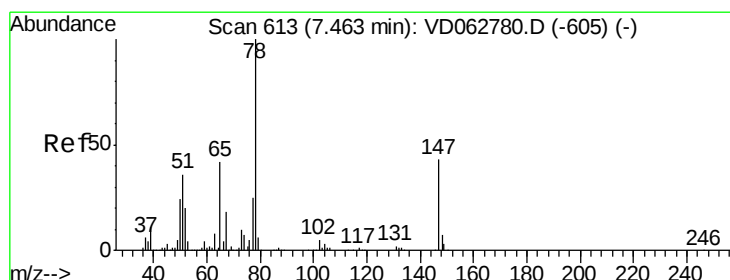
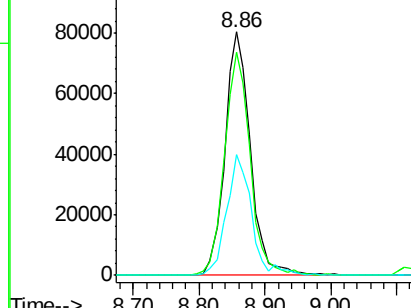
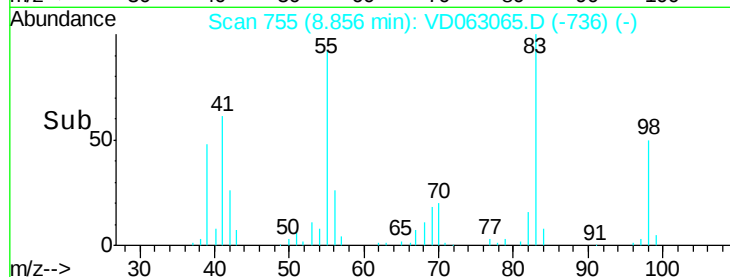
98 49.6 35.7 53.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 22.678 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063065.D

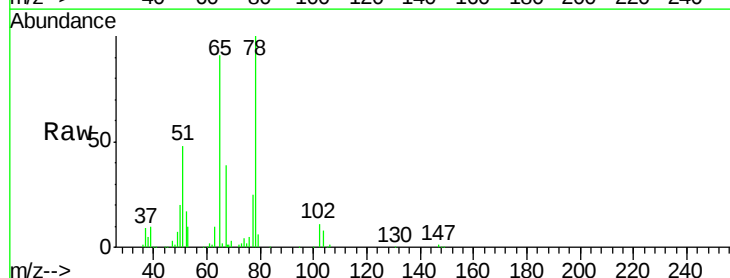
Acq: 10 Jul 2019 18:32

Tgt Ion: 78 Resp: 500841

Ion Ratio Lower Upper

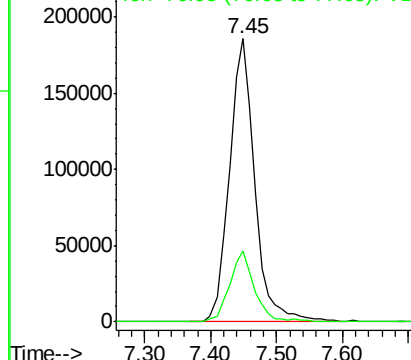
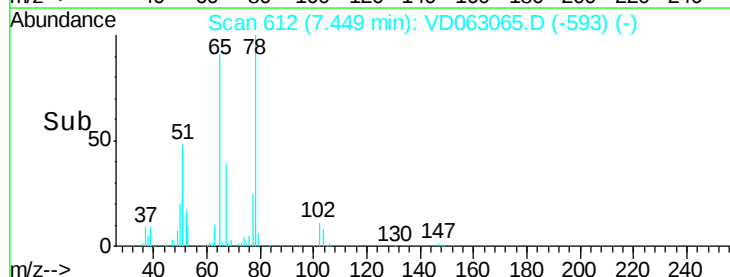
78 100

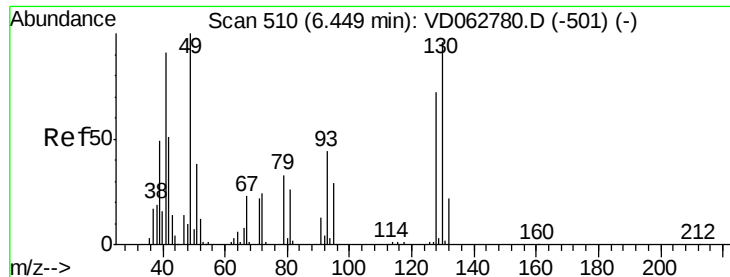
77 25.2 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 24.544 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

Tot Ion: 41 Resp: 142407

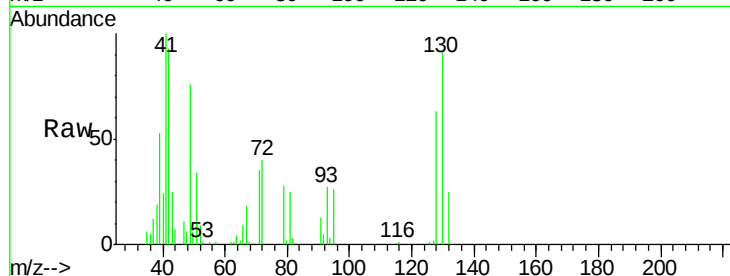
Ion Ratio Lower Upper

41 100

39 52.9 43.2 64.8

67 17.8 19.9 29.9#

52 9.3 10.2 15.4#

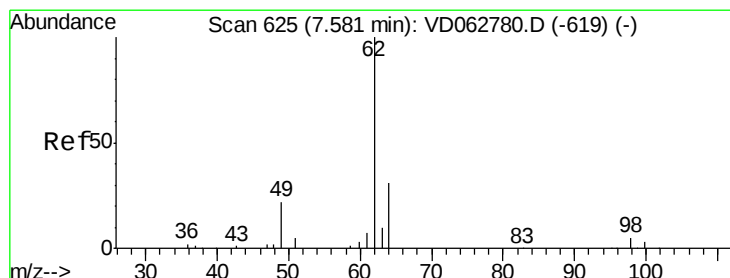
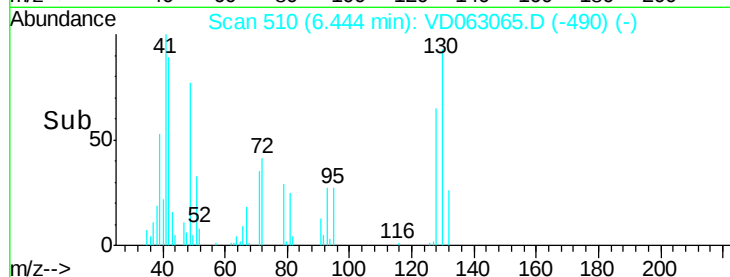
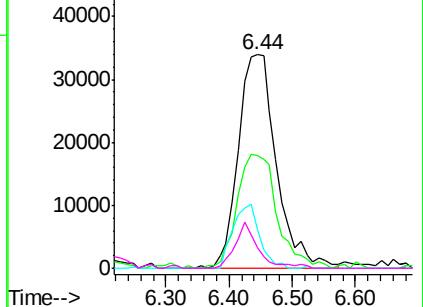


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 24.319 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.00 min

Lab File: VD063065.D

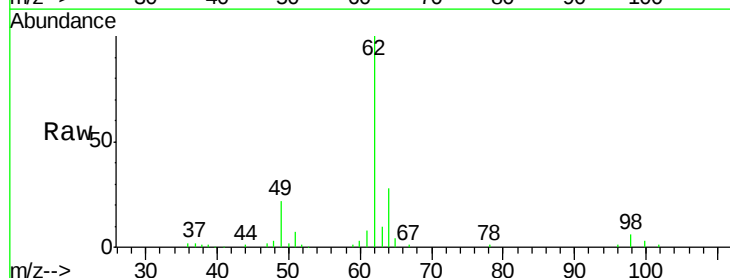
Acq: 10 Jul 2019 18:32

Tgt Ion: 62 Resp: 292992

Ion Ratio Lower Upper

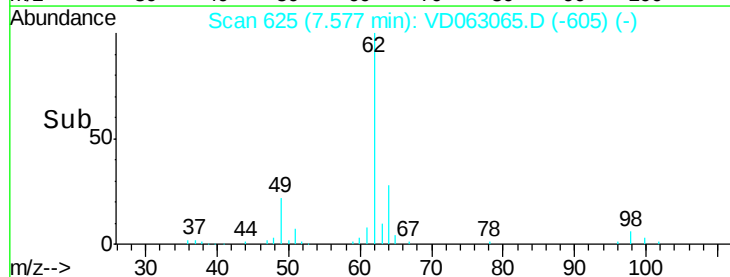
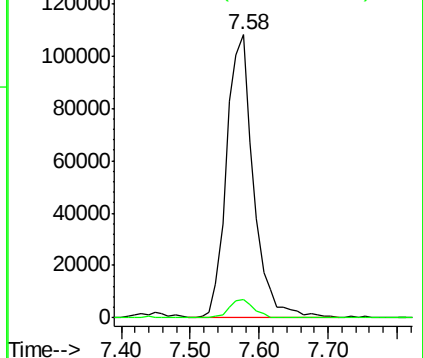
62 100

98 6.4 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



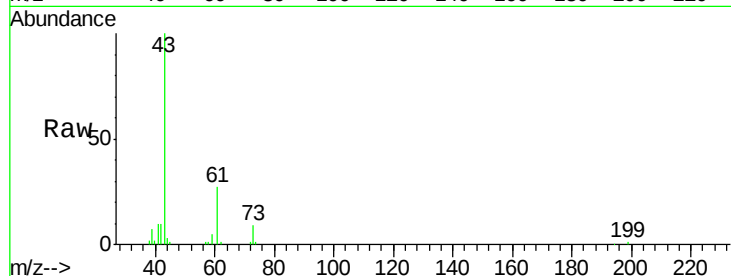


#43

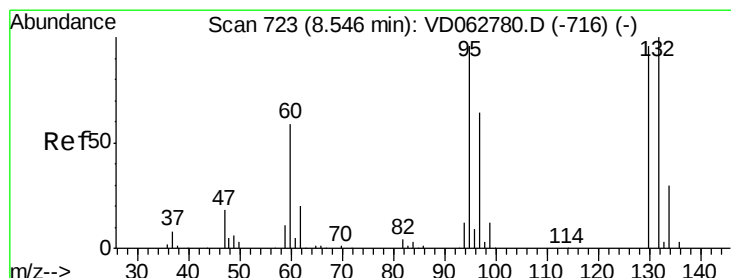
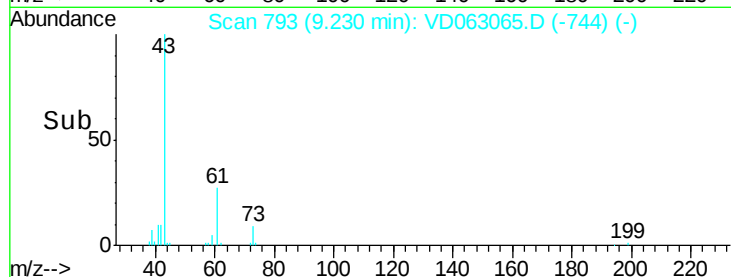
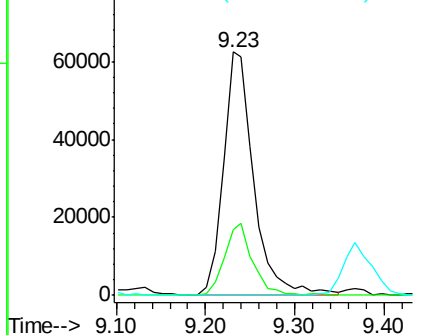
Isopropyl Acetate
 Concen: 25.823 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBS01

Tot Ion: 43 Resp: 148949
 Ion Ratio Lower Upper
 43 100
 61 26.8 22.4 33.6
 87 0.0 0.3 0.5#



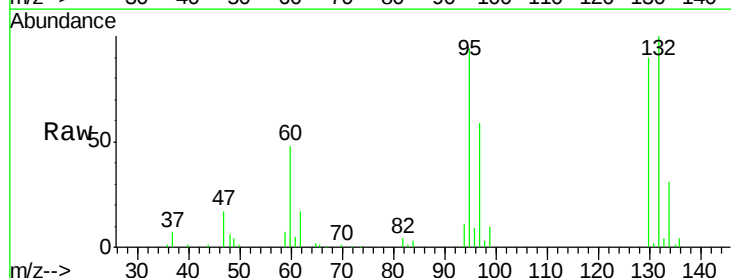
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



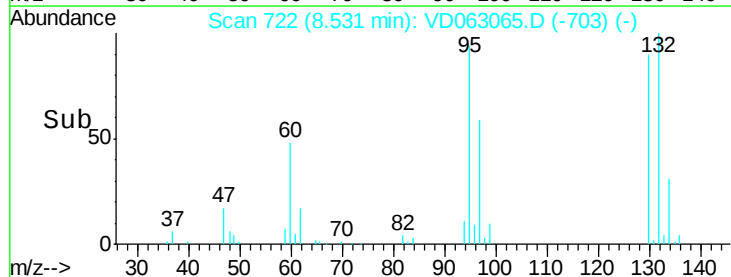
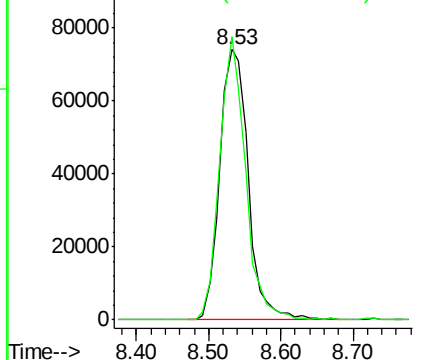
#44

Trichloroethene
 Concen: 23.294 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

Tgt Ion: 130 Resp: 201687
 Ion Ratio Lower Upper
 130 100
 95 104.7 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: 22.987 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

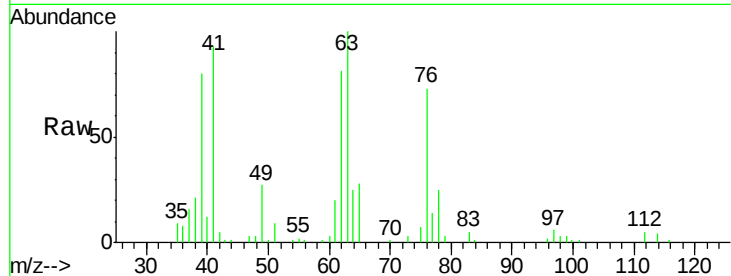
VD0710SBSD01

Tot Ion: 63 Resp: 126237

Ion Ratio Lower Upper

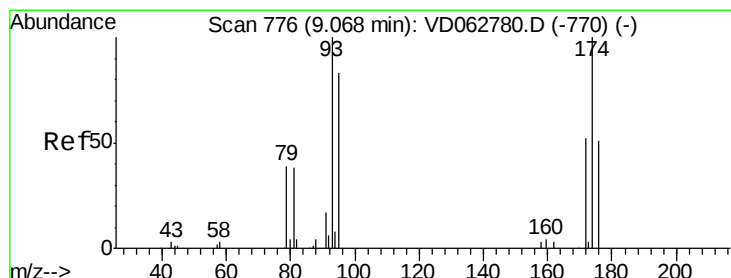
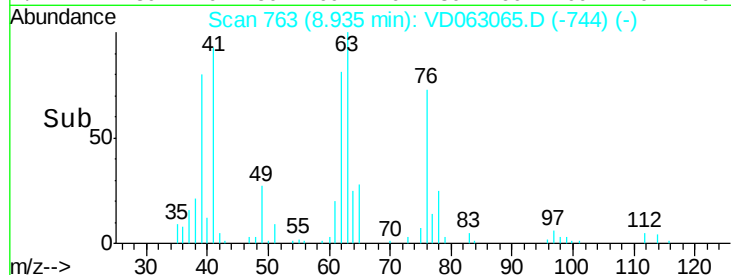
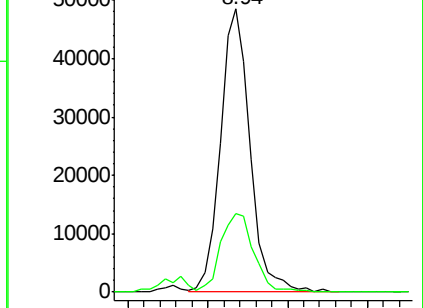
63 100

65 27.7 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 23.180 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

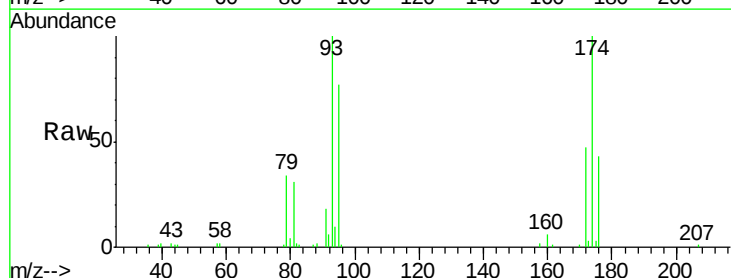
Tgt Ion: 93 Resp: 109346

Ion Ratio Lower Upper

93 100

95 77.3 66.6 100.0

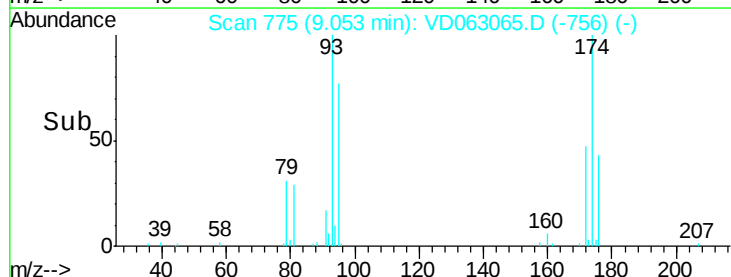
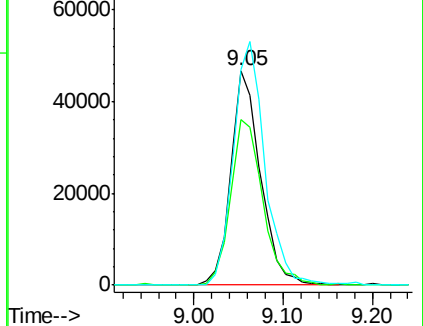
174 100.4 79.7 119.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 24.996 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBSD01

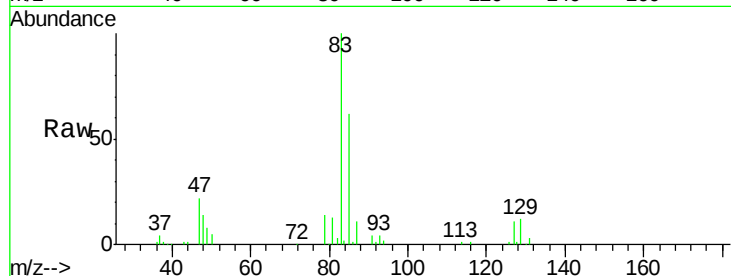
Tot Ion: 83 Resp: 306238

Ion Ratio Lower Upper

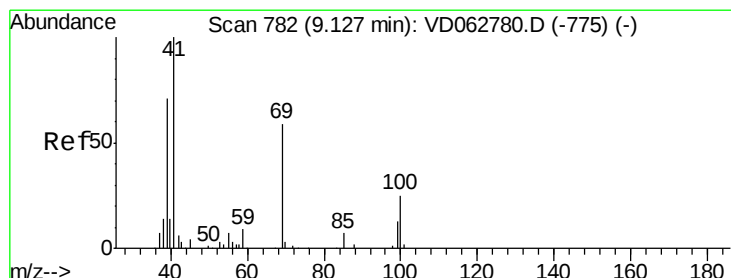
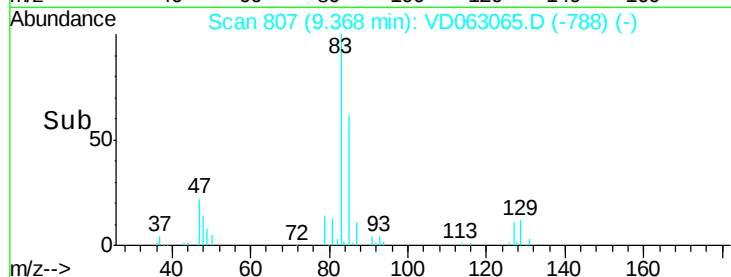
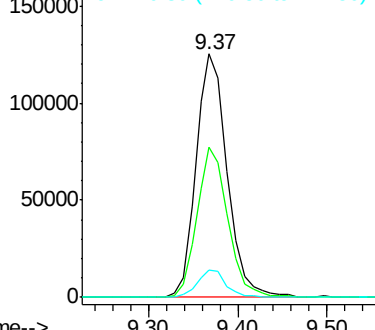
83 100

85 61.9 51.6 77.4

127 11.0 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: 23.788 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

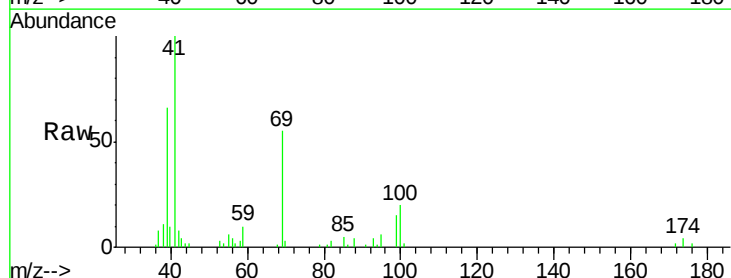
Tgt Ion: 41 Resp: 97506

Ion Ratio Lower Upper

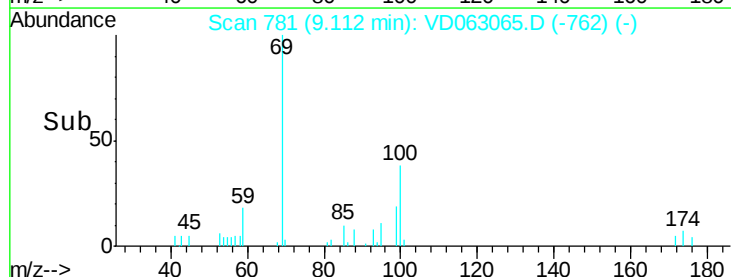
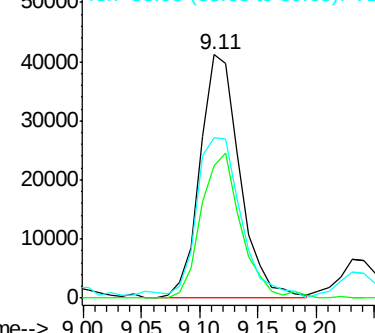
41 100

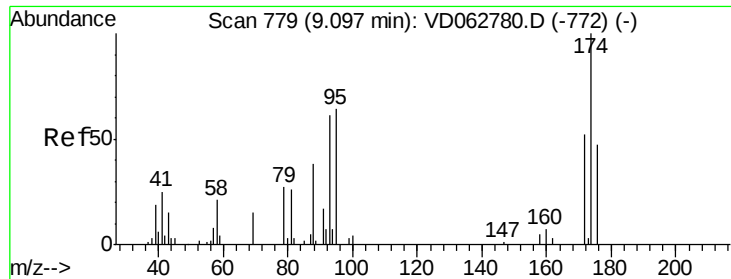
69 54.5 47.2 70.8

39 65.6 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: 435.629 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.02 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

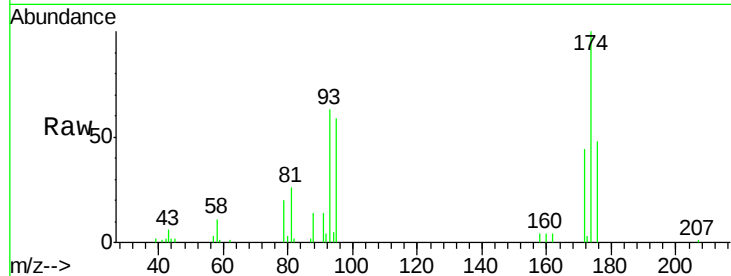
Tot Ion: 88 Resp: 14856

Ion Ratio Lower Upper

88 100

43 40.2 32.1 48.1

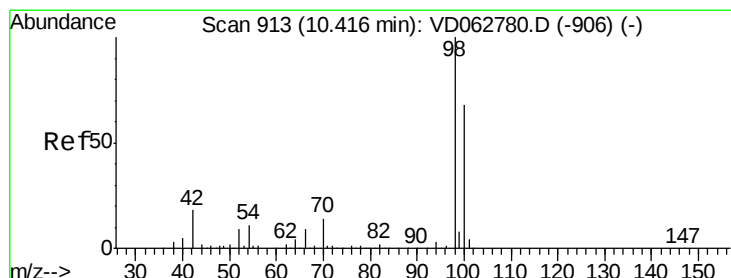
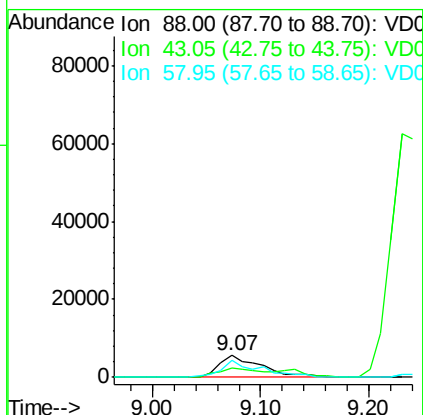
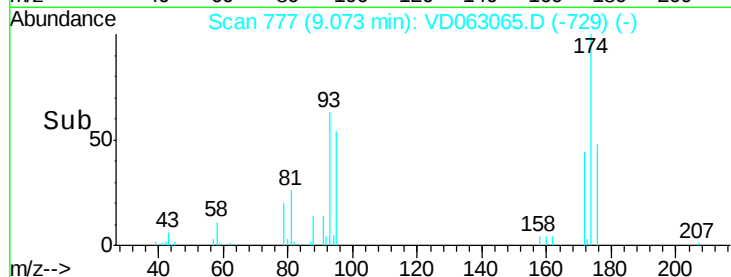
58 80.0 44.1 66.1#



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: 48.757 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD063065.D

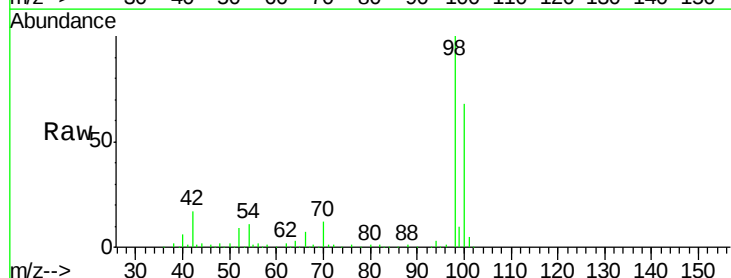
Acq: 10 Jul 2019 18:32

Tgt Ion: 98 Resp: 1039964

Ion Ratio Lower Upper

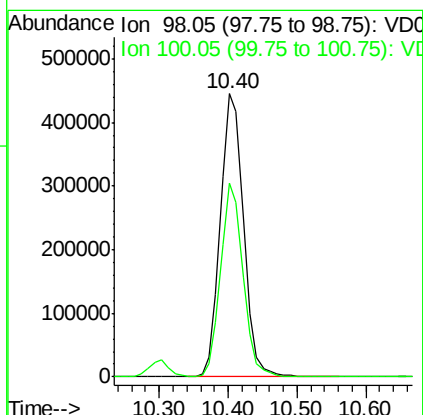
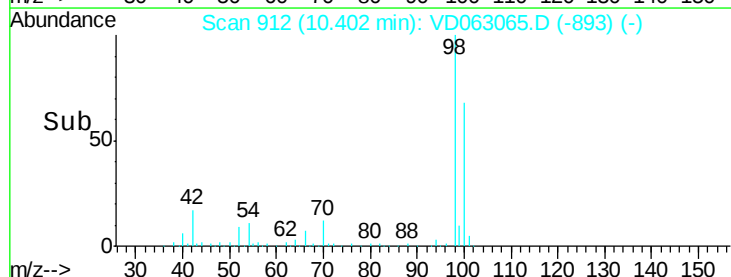
98 100

100 68.5 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: 127.152 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

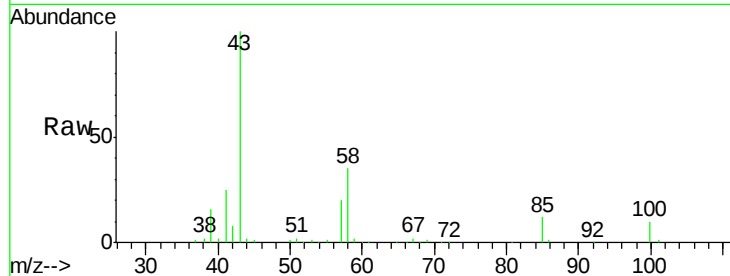
VD0710SBSD01

Tot Ion: 43 Resp: 519997

Ion Ratio Lower Upper

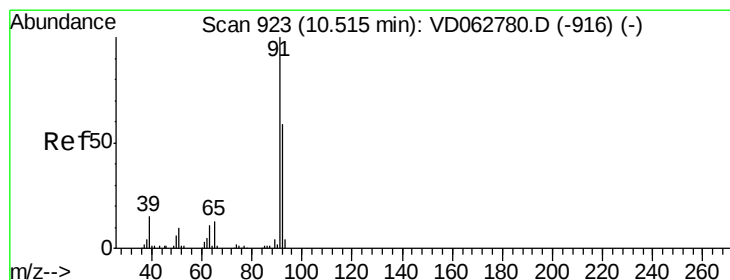
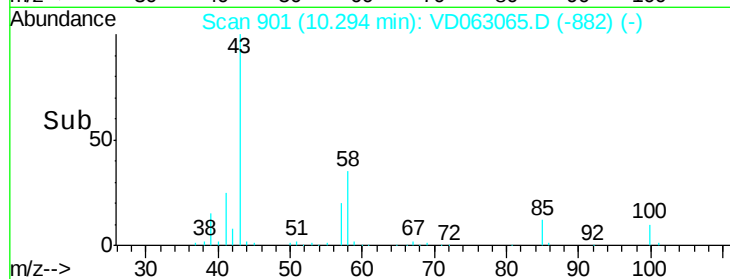
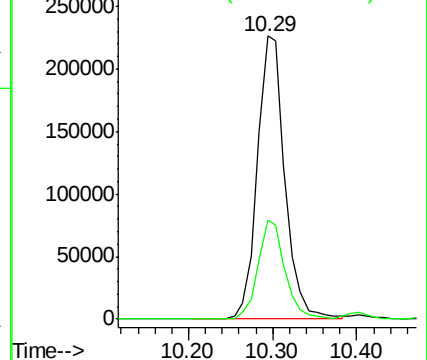
43 100

58 35.0 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 23.556 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD063065.D

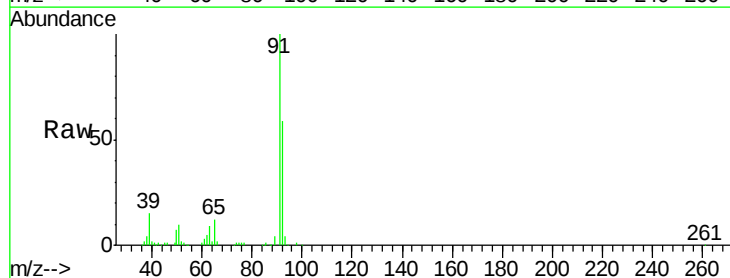
Acq: 10 Jul 2019 18:32

Tgt Ion: 92 Resp: 349707

Ion Ratio Lower Upper

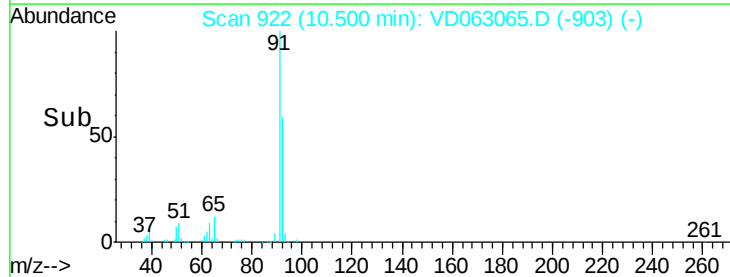
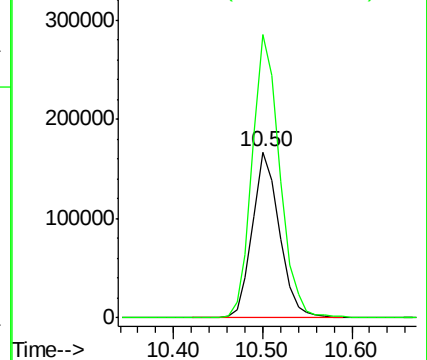
92 100

91 170.8 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 23.786 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

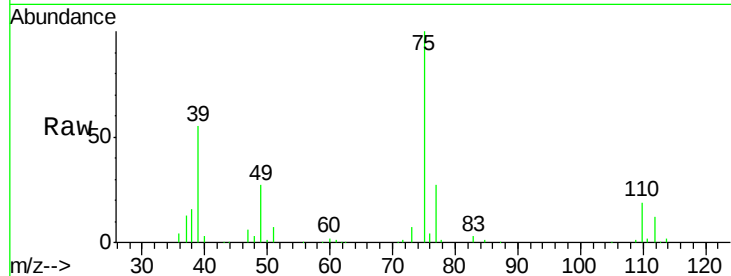
VD0710SBSD01

Tot Ion: 75 Resp: 238512

Ion Ratio Lower Upper

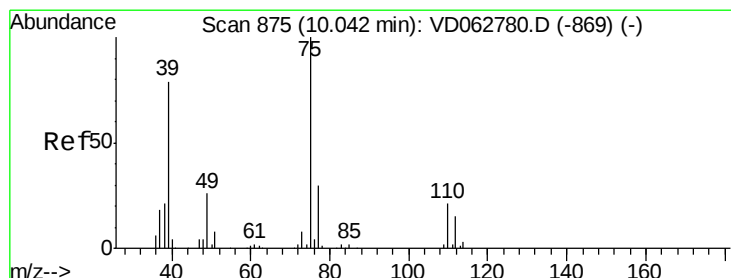
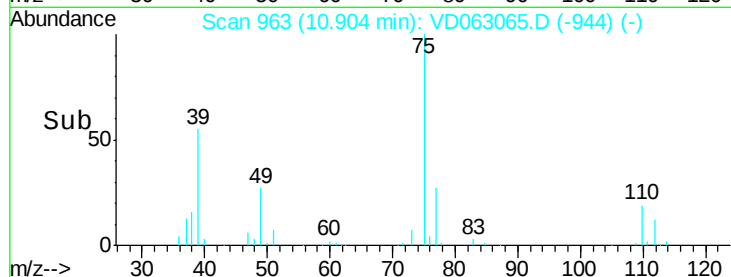
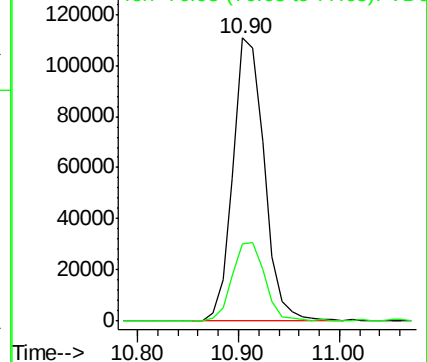
75 100

77 27.3 23.2 34.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 23.334 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.00 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

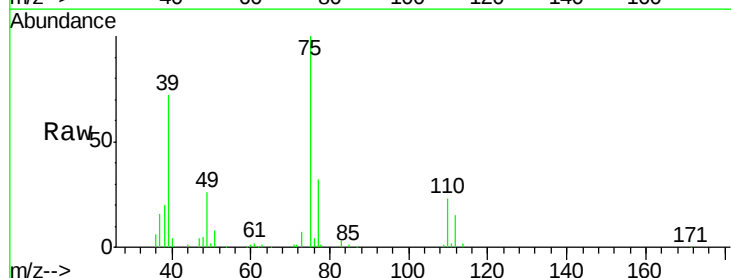
Tgt Ion: 75 Resp: 254326

Ion Ratio Lower Upper

75 100

77 31.8 24.2 36.2

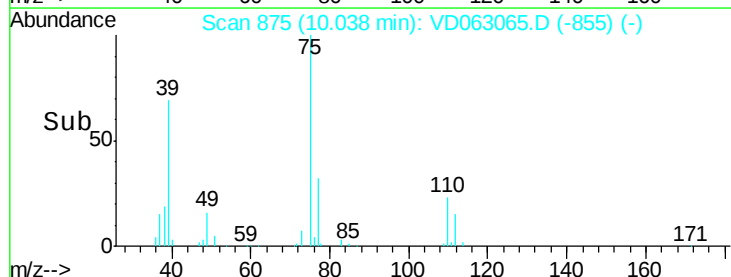
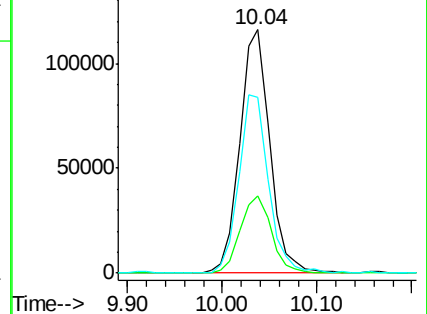
39 72.0 63.5 95.3

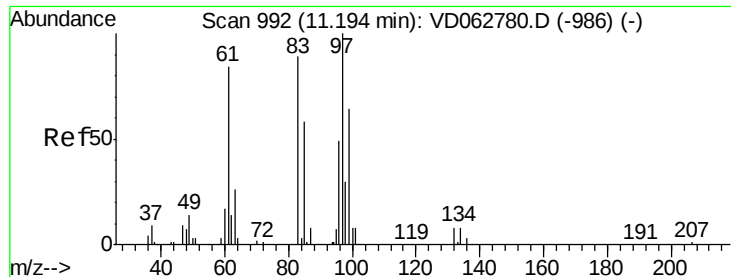


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



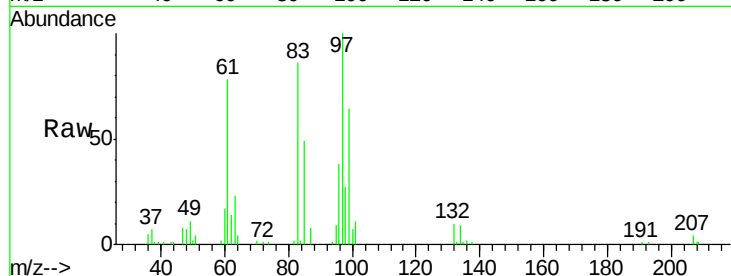


#55
1,1,2-Trichloroethane
Concen: 23.177 ug/l
RT: 11.19 min Scan# 992
Delta R.T. -0.00 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

Tot Ion: 97 Resp: 118212

Ion	Ratio	Lower	Upper
97	100		
83	85.9	71.0	106.4
85	48.6	46.6	69.8
99	64.2	51.4	77.0

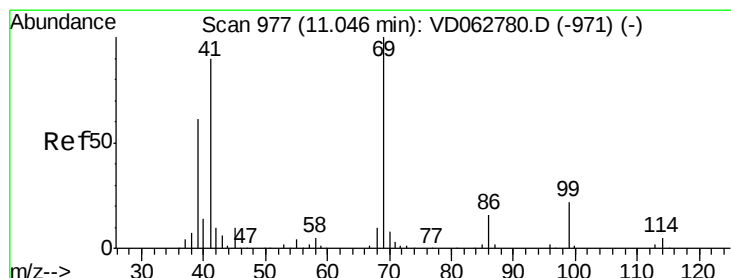
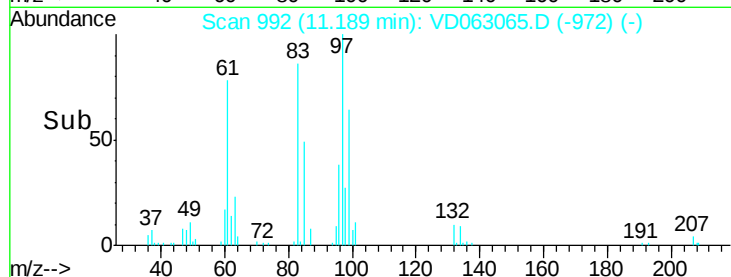
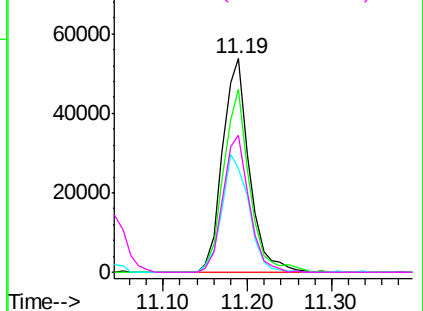


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

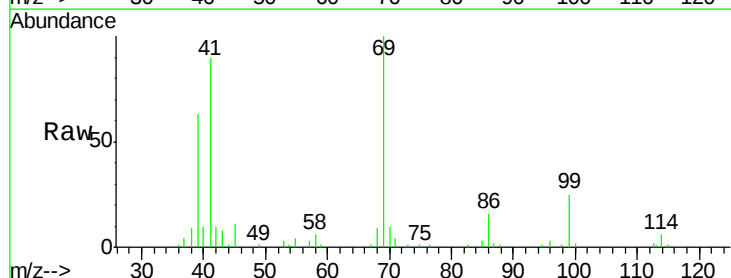
Ion 98.85 (98.55 to 99.55): VDC



#56
Ethyl methacrylate
Concen: 23.106 ug/l
RT: 11.03 min Scan# 976
Delta R.T. -0.01 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

Tgt Ion: 69 Resp: 125947

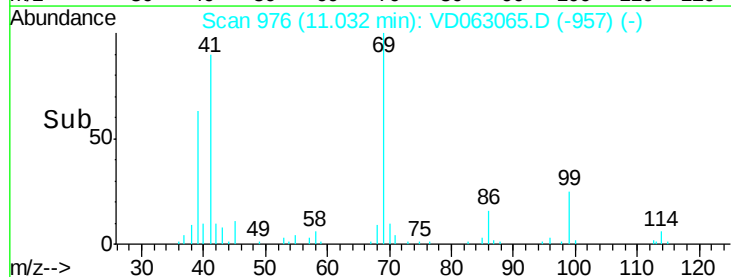
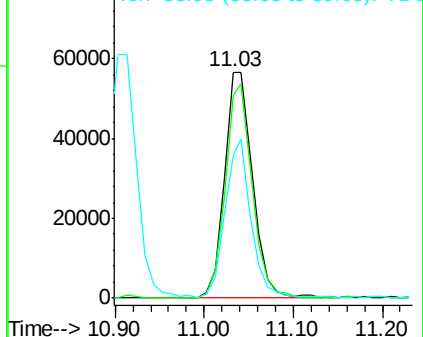
Ion	Ratio	Lower	Upper
69	100		
41	89.7	72.0	108.0
39	63.3	49.5	74.3

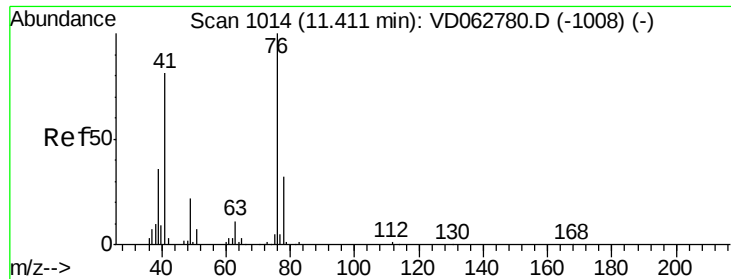


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

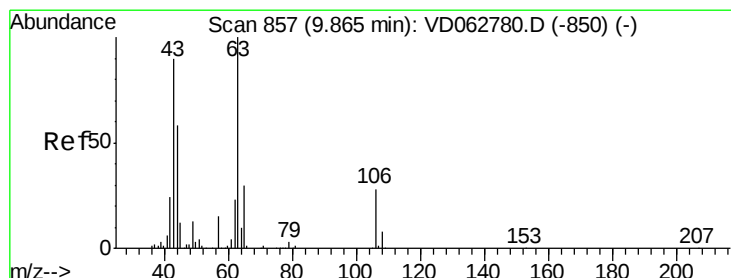
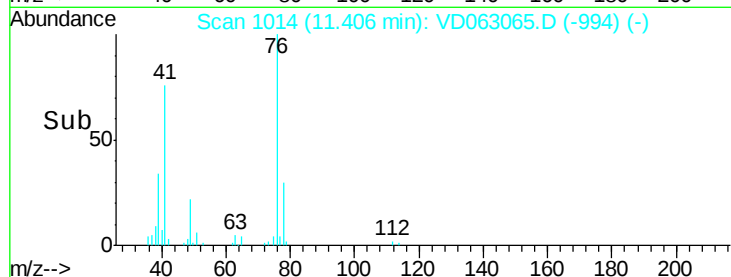
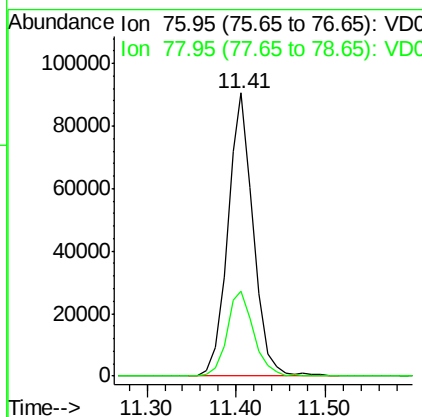
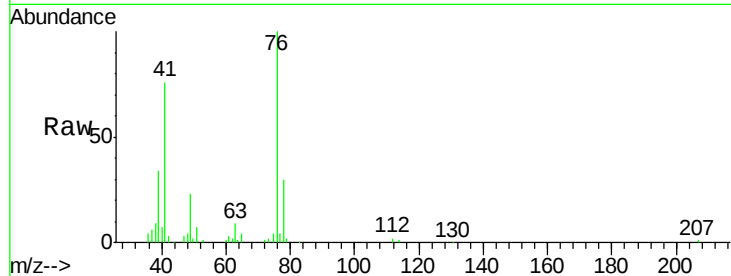




#57
 1,3-Dichloropropane
 Concen: 23.046 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

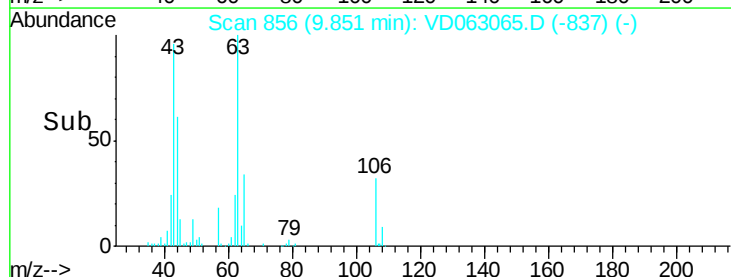
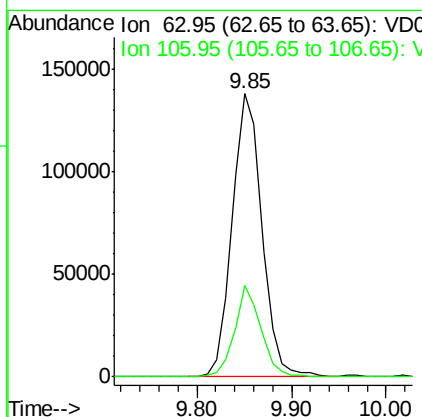
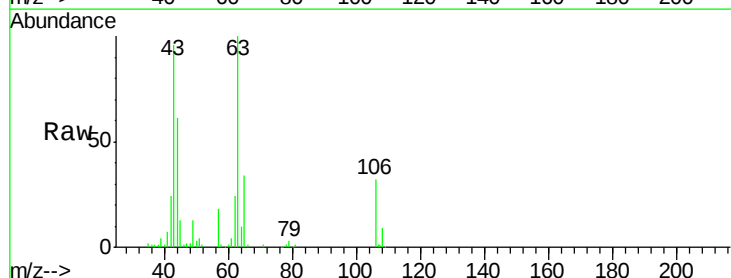
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBSD01

Tot Ion: 76 Resp: 179974
 Ion Ratio Lower Upper
 76 100
 78 30.0 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.889 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

Tgt Ion: 63 Resp: 299109
 Ion Ratio Lower Upper
 63 100
 106 32.2 22.1 33.1

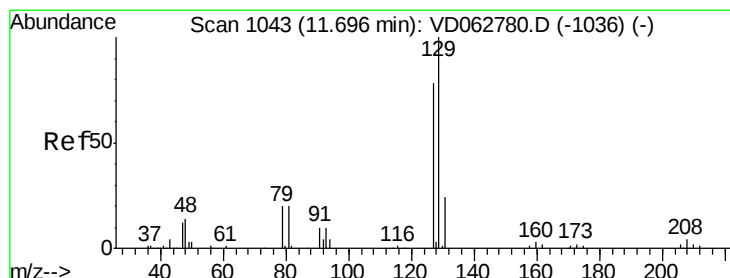
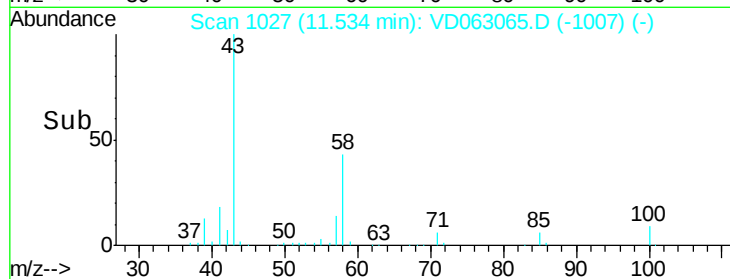
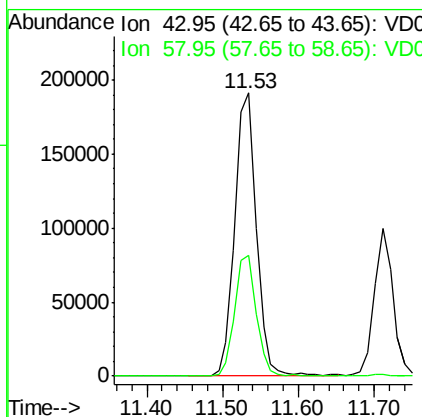
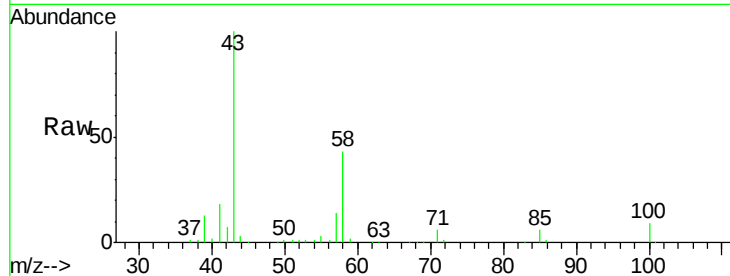




#59
2-Hexanone
Concen: 129.252 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

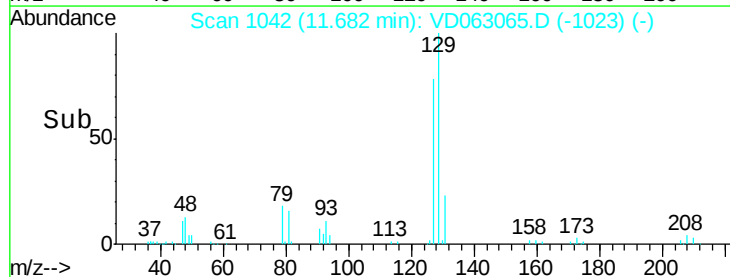
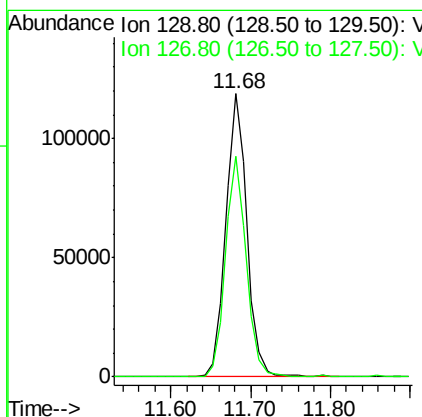
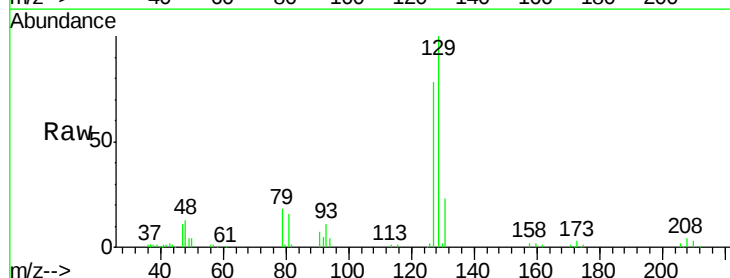
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBSD01

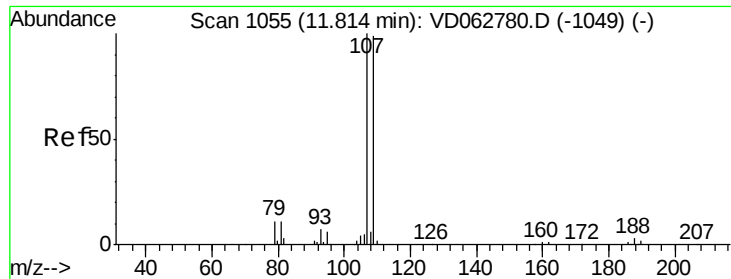
Tot Ion: 43 Resp: 376453
Ion Ratio Lower Upper
43 100
58 42.5 22.4 67.2



#60
Dibromochloromethane
Concen: 23.340 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

Tgt Ion:129 Resp: 221731
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6

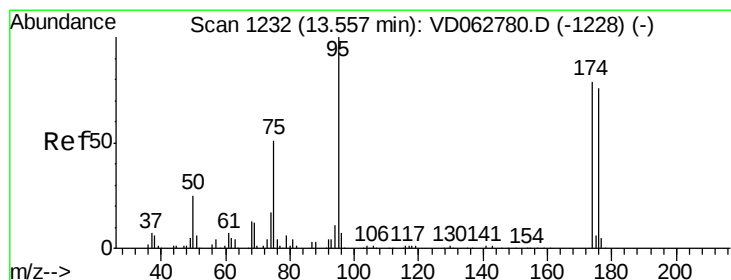
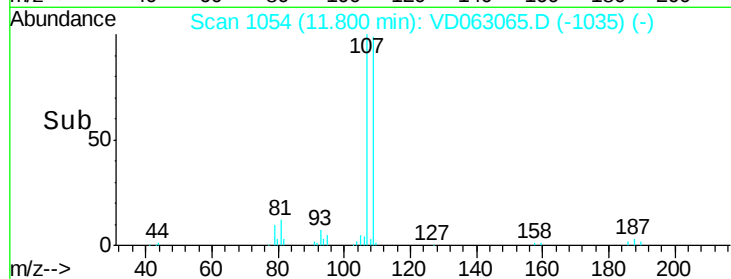
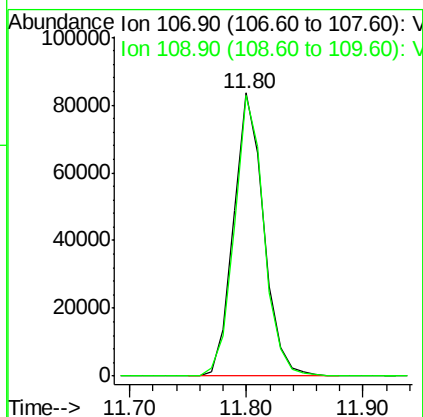
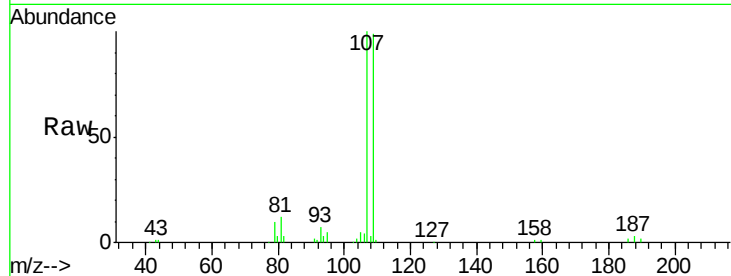




#61
 1,2-Dibromoethane
 Concen: 24.770 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

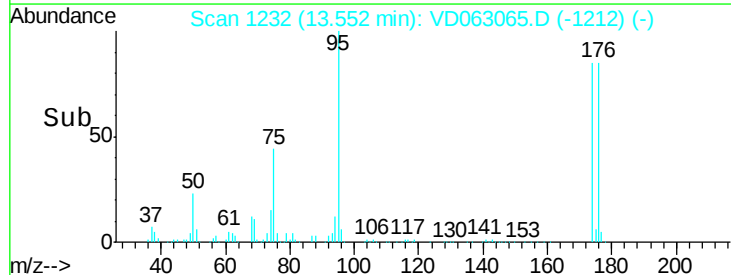
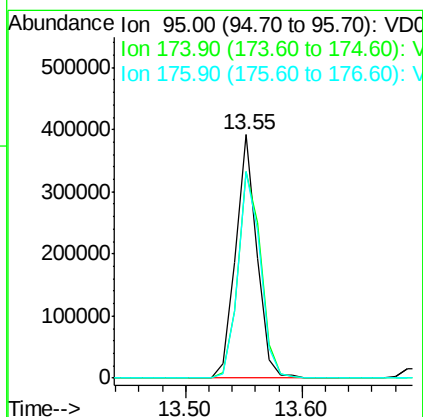
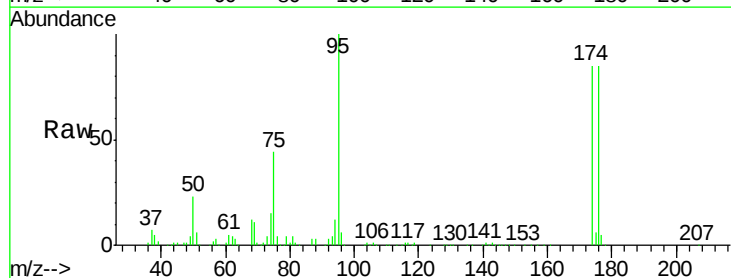
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBSD01

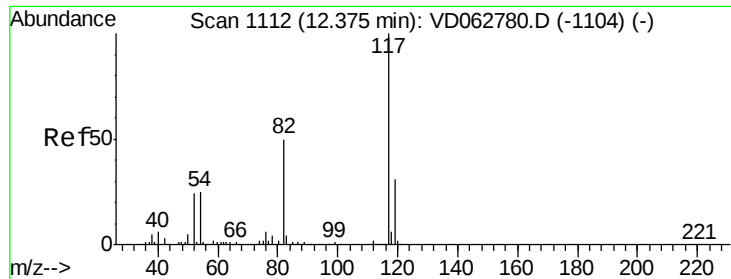
Tot Ion:107 Resp: 149211
 Ion Ratio Lower Upper
 107 100
 109 99.1 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 50.809 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

Tgt Ion: 95 Resp: 492779
 Ion Ratio Lower Upper
 95 100
 174 85.0 0.0 158.0
 176 84.7 0.0 151.6

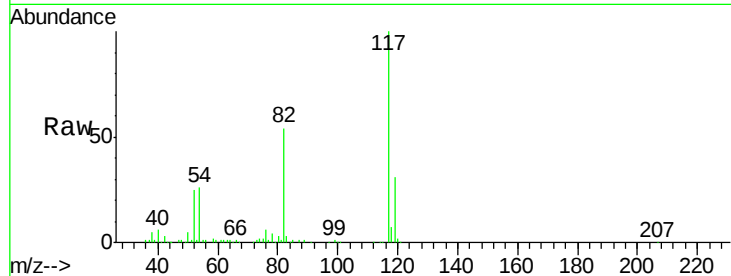




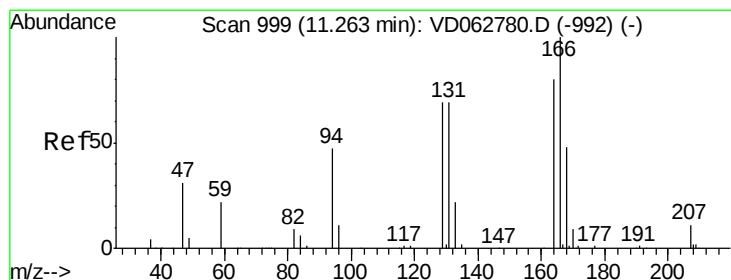
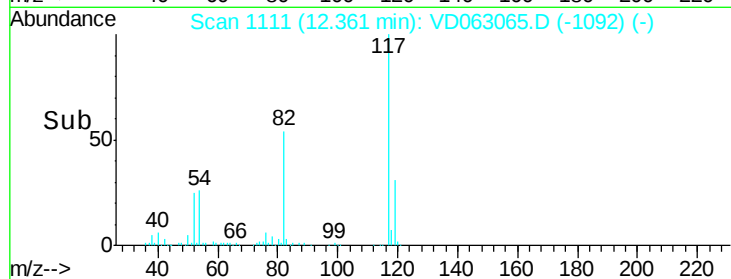
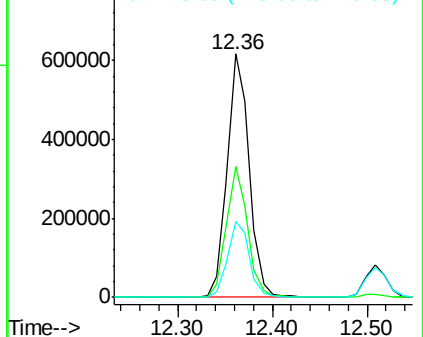
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

Instrument :
MSVOA_D
ClientSampleId :
VD0710SBSD01

Tot Ion:117 Resp: 989634
Ion Ratio Lower Upper
117 100
82 53.8 40.4 60.6
119 31.4 25.2 37.8

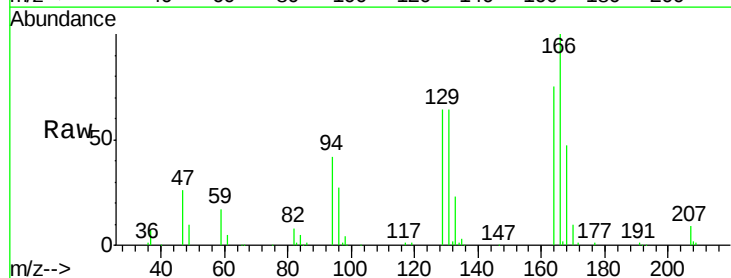


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

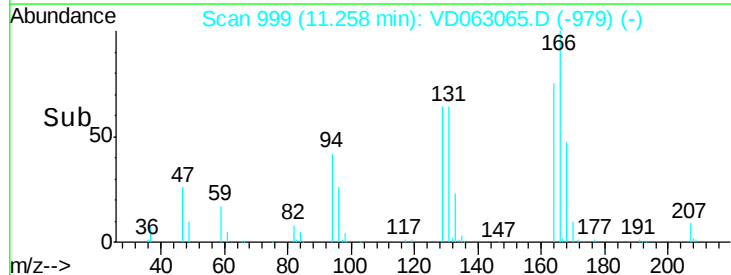
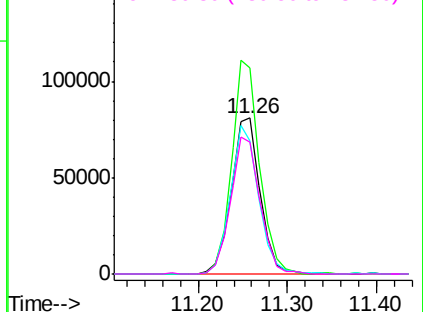


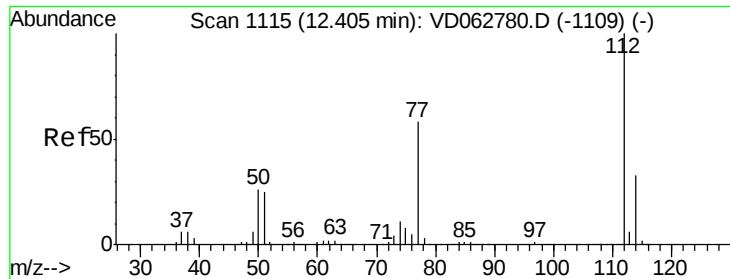
#64
Tetrachloroethene
Concen: 22.485 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

Tgt Ion:164 Resp: 183140
Ion Ratio Lower Upper
164 100
166 132.7 100.6 150.8
129 85.3 69.4 104.0
131 85.1 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

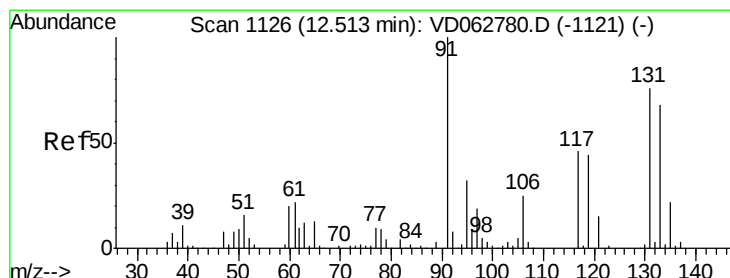
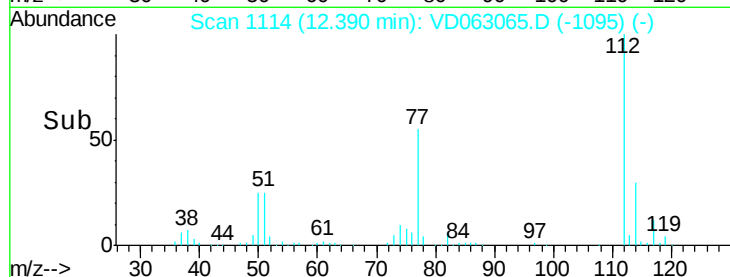
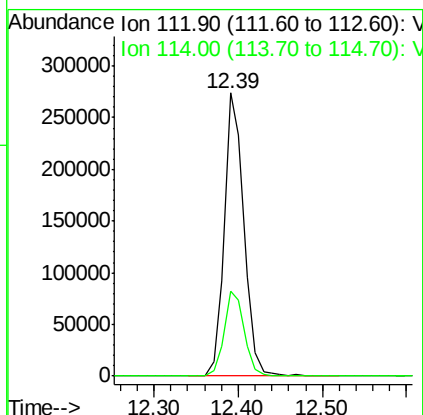
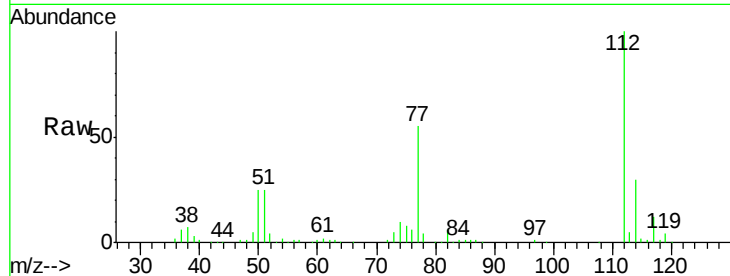




#65
Chlorobenzene
Concen: 23.956 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

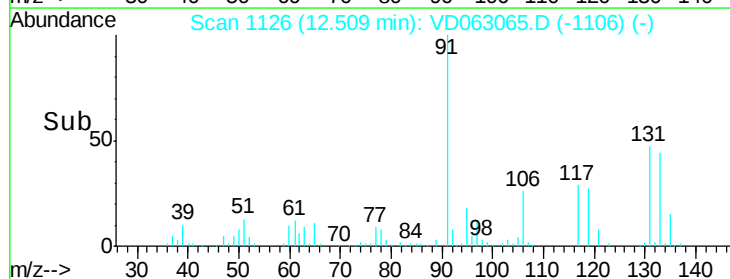
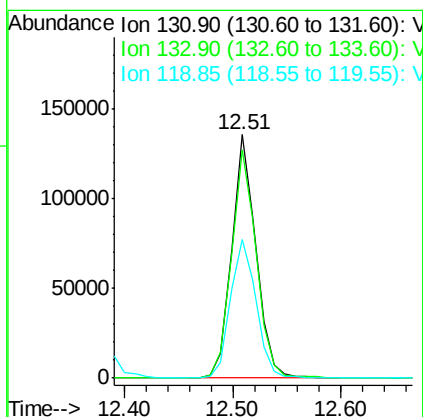
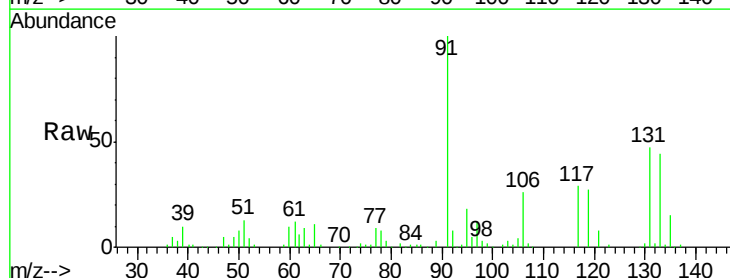
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBSD01

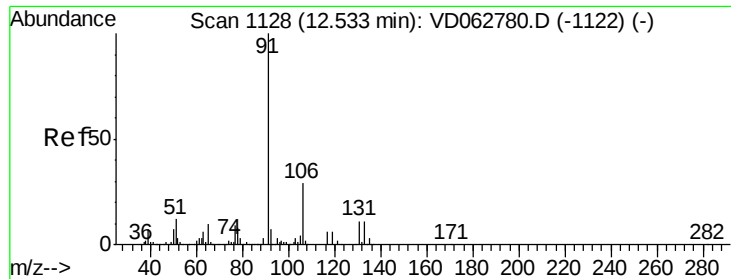
Tot Ion:112 Resp: 439992
Ion Ratio Lower Upper
112 100
114 30.2 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 24.634 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

Tgt Ion:131 Resp: 211589
Ion Ratio Lower Upper
131 100
133 93.8 44.5 133.3
119 56.7 28.6 85.9

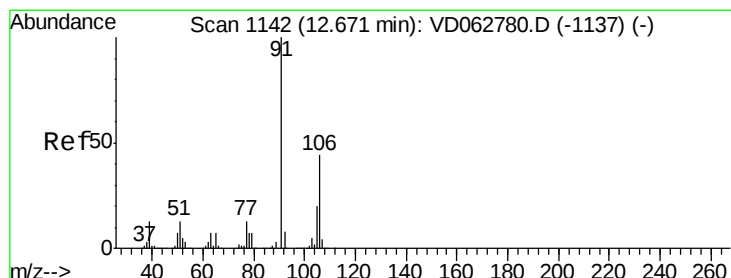
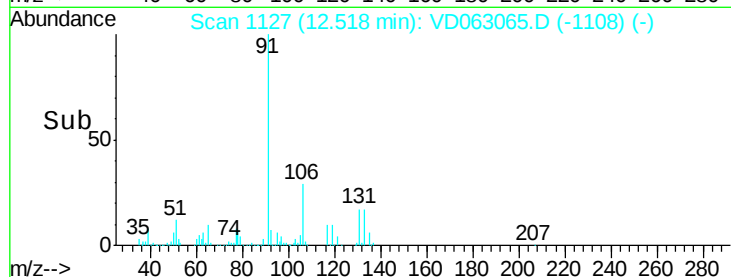
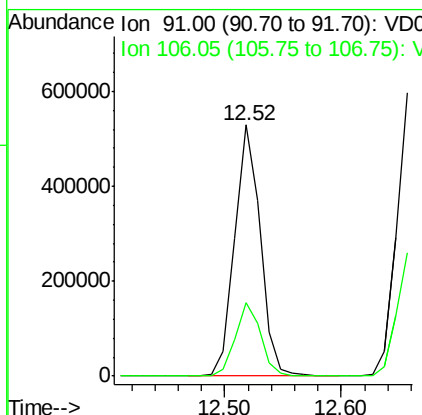
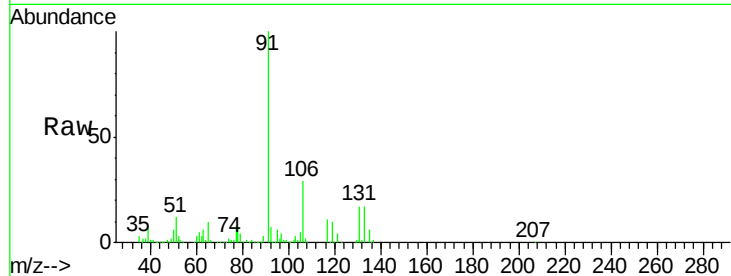




#67
Ethyl Benzene
Concen: 24.430 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

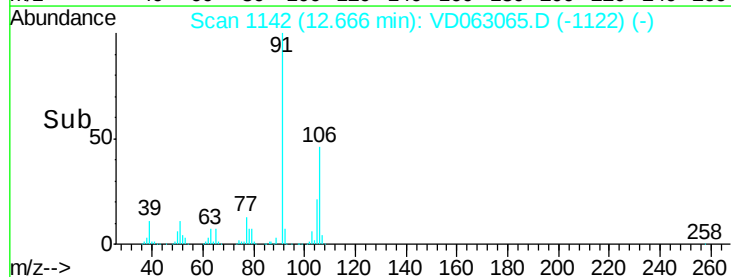
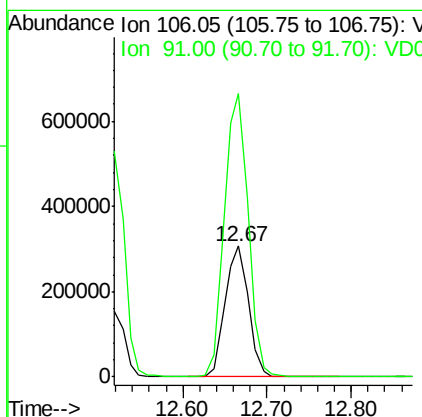
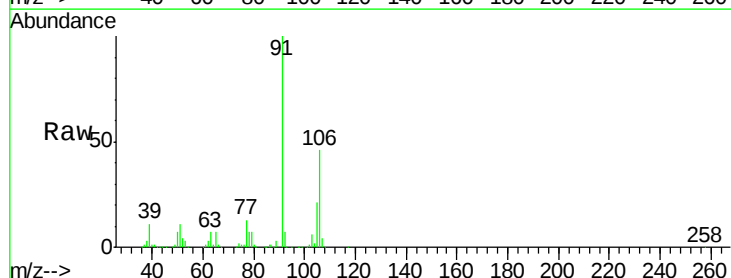
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBSD01

Tot Ion: 91 Resp: 805576
Ion Ratio Lower Upper
91 100
106 29.1 23.1 34.7



#68
m/p-Xylenes
Concen: 51.545 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

Tgt Ion: 106 Resp: 591989
Ion Ratio Lower Upper
106 100
91 216.6 183.0 274.6

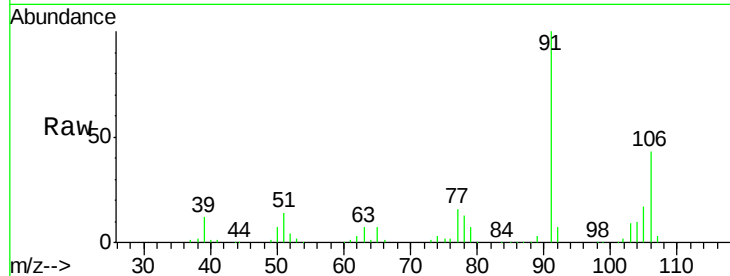




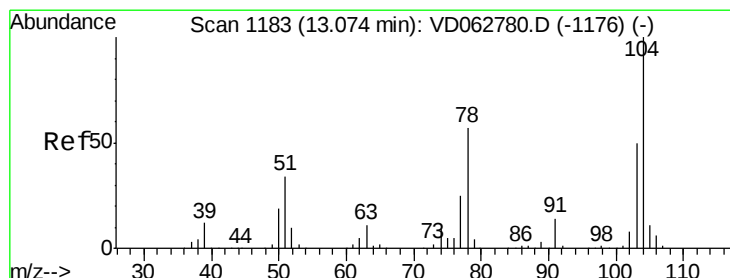
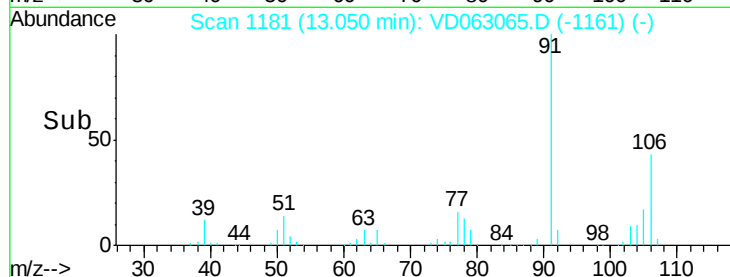
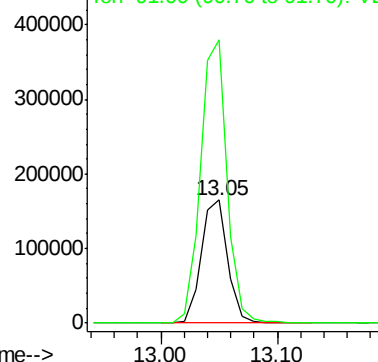
#69
o-Xylene
Concen: 24.790 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

Tot Ion:106 Resp: 260269
Ion Ratio Lower Upper
106 100
91 230.4 117.9 353.6

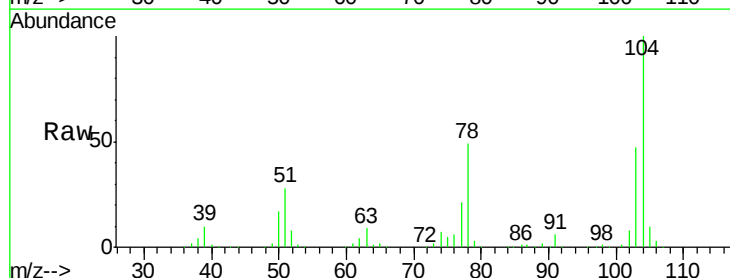


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

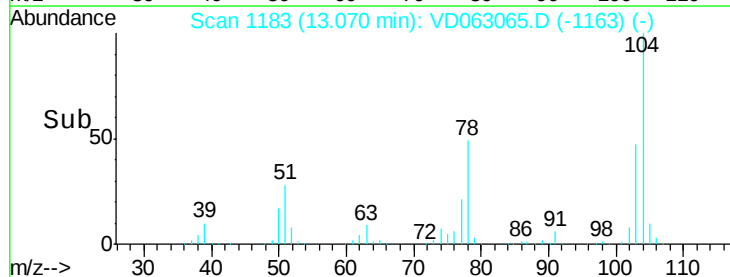
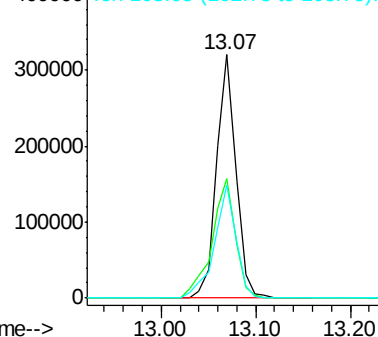


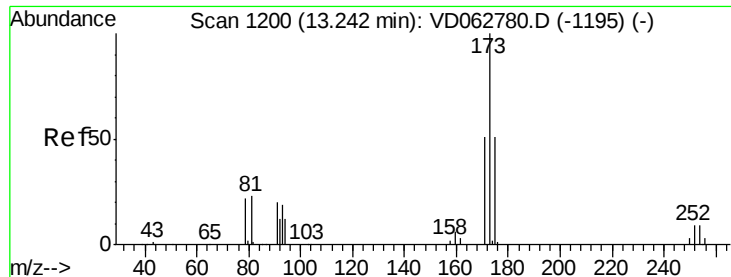
#70
Styrene
Concen: 24.405 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

Tgt Ion:104 Resp: 450058
Ion Ratio Lower Upper
104 100
78 49.0 45.4 68.2
103 46.6 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: 24.274 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBSD01

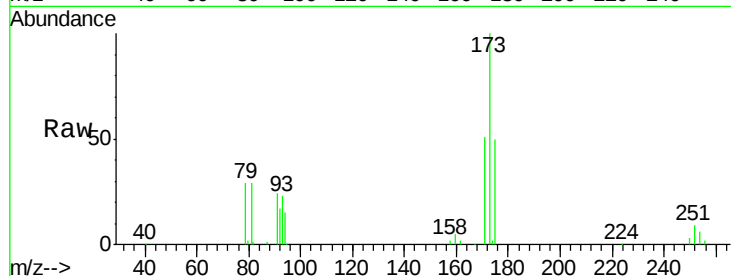
Tot Ion:173 Resp: 142851

Ion Ratio Lower Upper

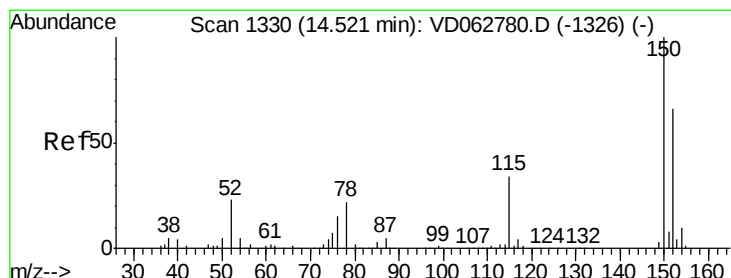
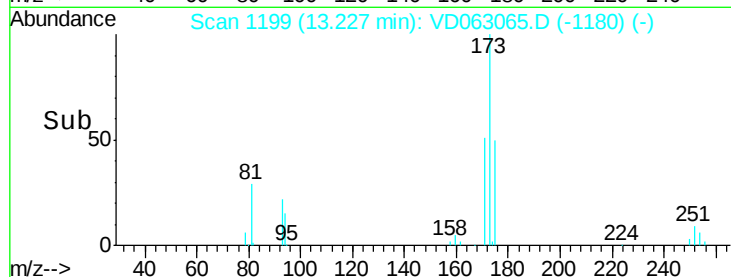
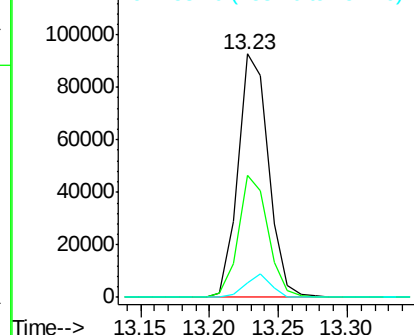
173 100

175 50.3 25.3 75.9

254 5.9 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: VD063065.D

Acq: 10 Jul 2019 18:32

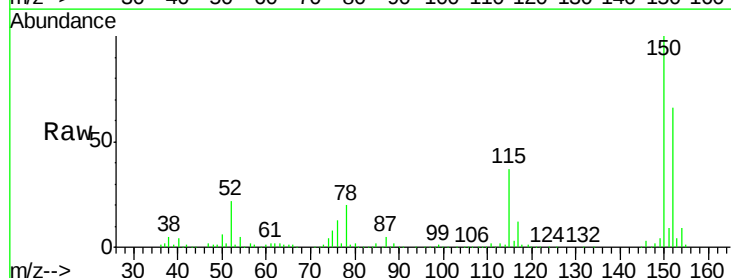
Tgt Ion:152 Resp: 547592

Ion Ratio Lower Upper

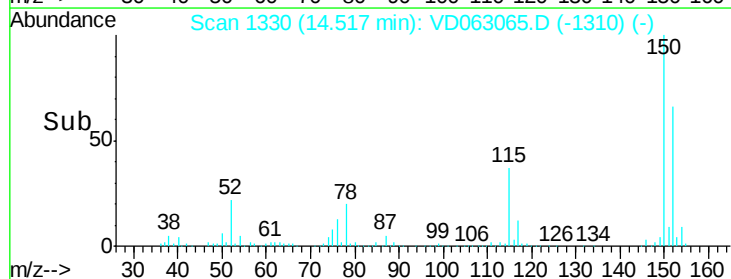
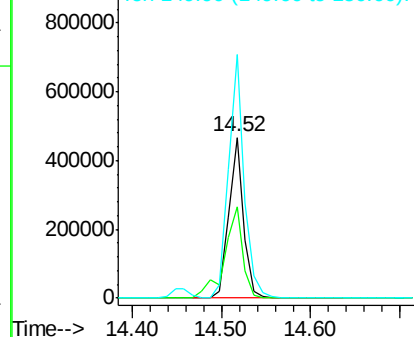
152 100

115 56.8 29.2 87.6

150 151.6 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: 22.397 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

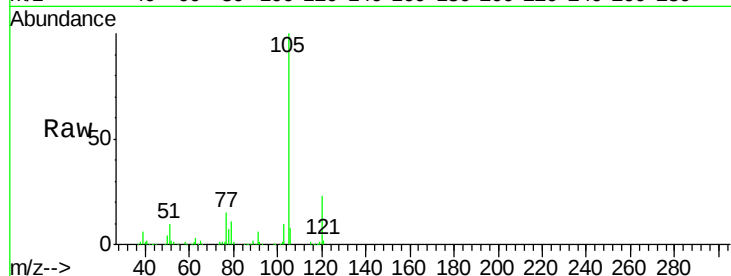
VD0710SBS01

Tot Ion:105 Resp: 786369

Ion Ratio Lower Upper

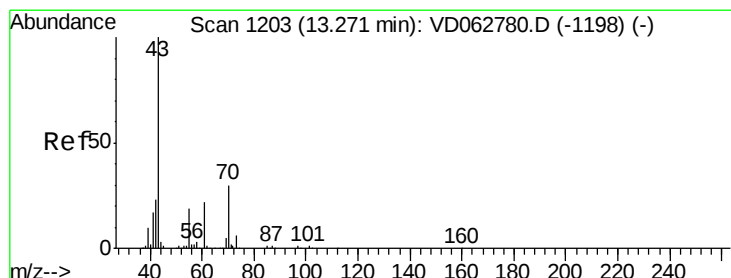
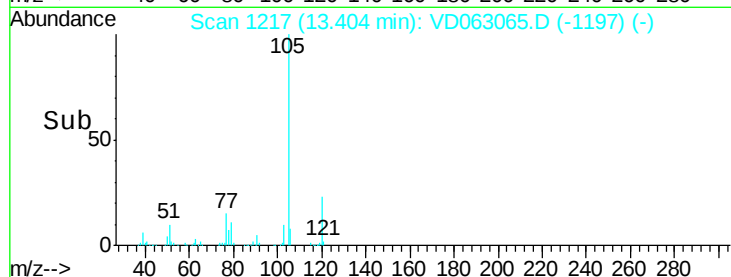
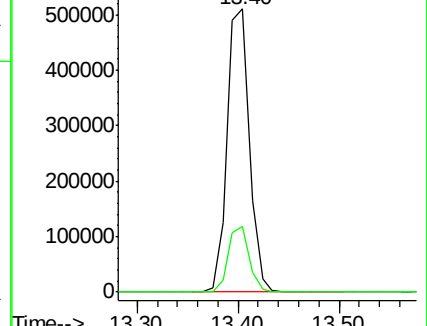
105 100

120 23.1 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 23.062 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Tgt Ion: 43 Resp: 196642

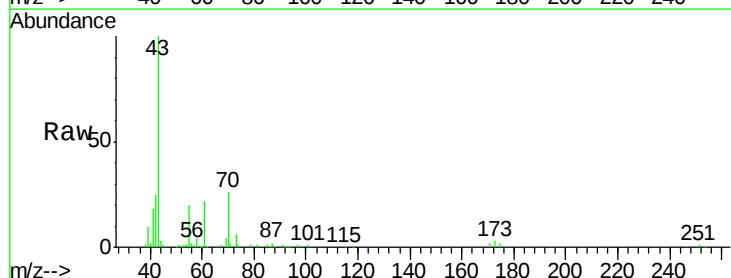
Ion Ratio Lower Upper

43 100

70 26.1 24.4 36.6

55 20.1 15.2 22.8

61 21.8 17.4 26.2

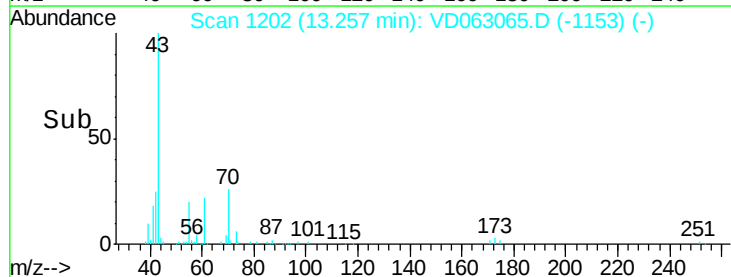
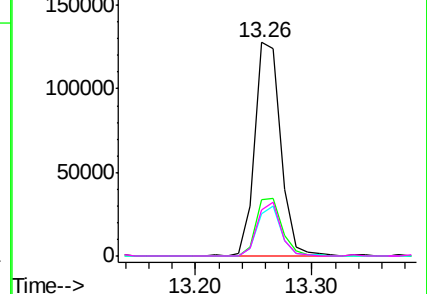


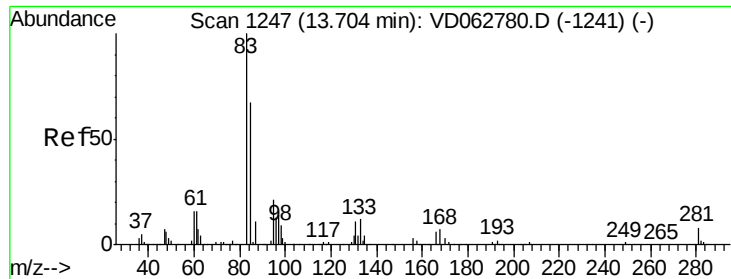
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.947 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

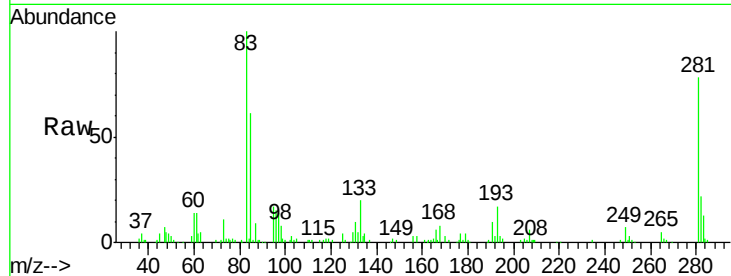
Tot Ion: 83 Resp: 136995

Ion Ratio Lower Upper

83 100

131 9.6 5.3 16.1

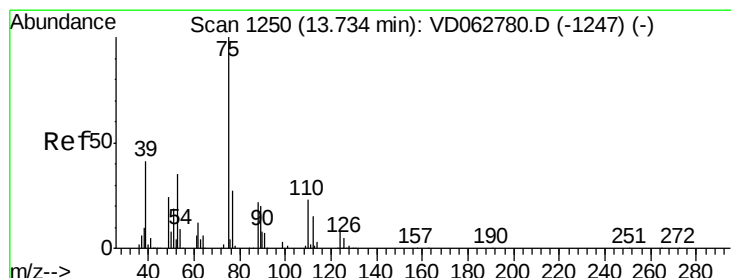
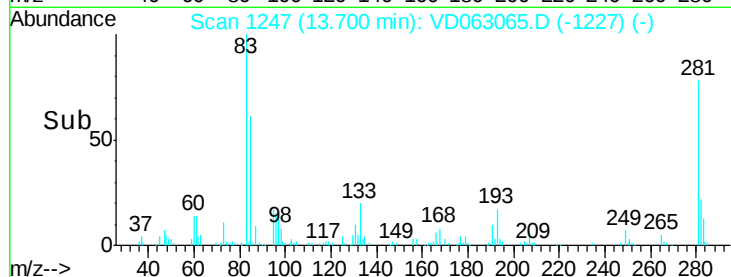
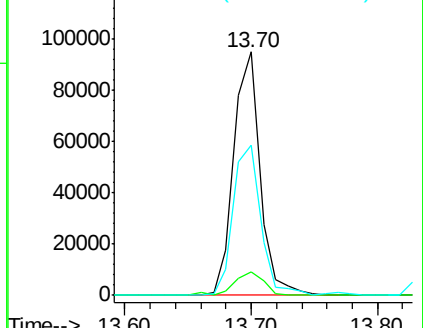
85 61.5 33.7 101.1



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: 25.191 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063065.D

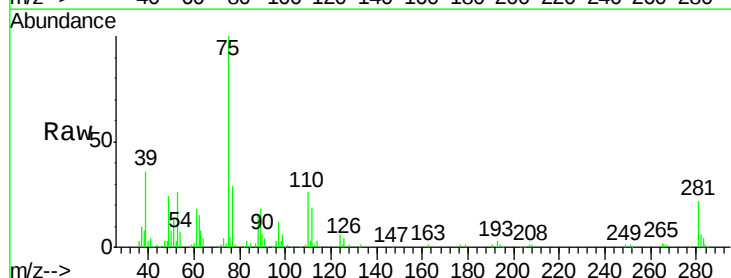
Acq: 10 Jul 2019 18:32

Tgt Ion: 75 Resp: 159246

Ion Ratio Lower Upper

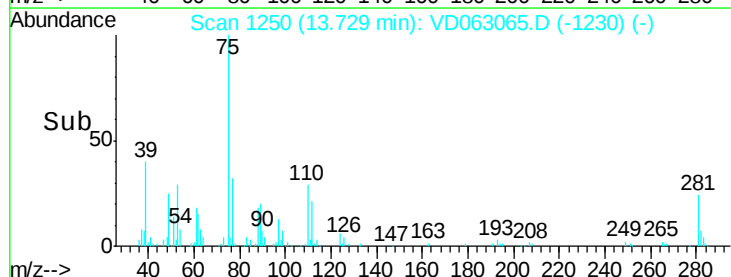
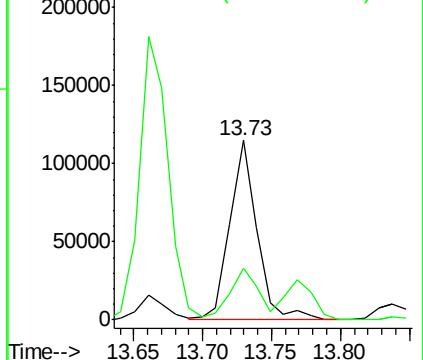
75 100

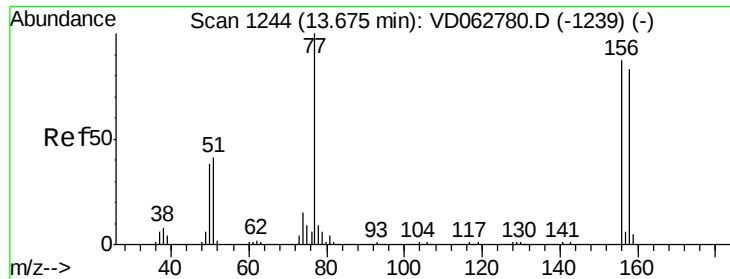
77 29.0 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.741 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

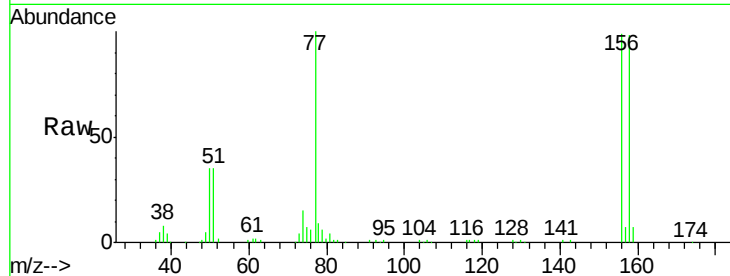
Tot Ion:156 Resp: 214758

Ion Ratio Lower Upper

156 100

77 101.0 57.7 173.1

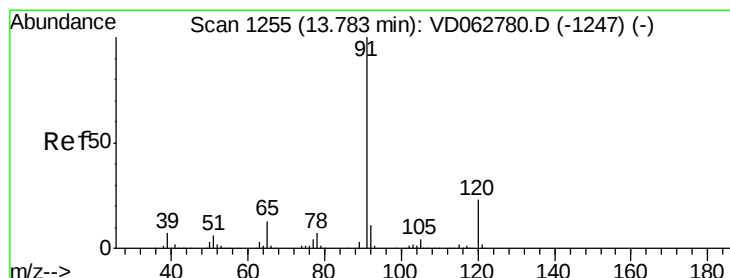
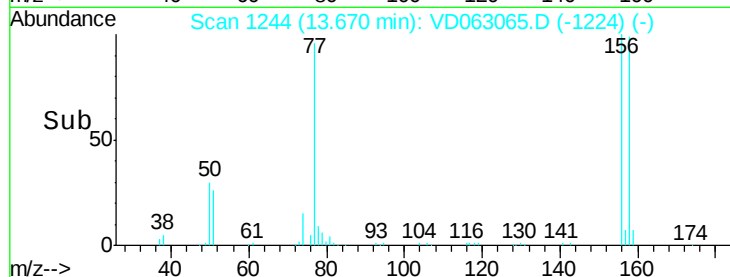
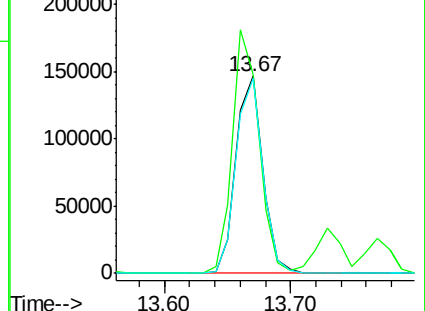
158 98.7 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.304 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063065.D

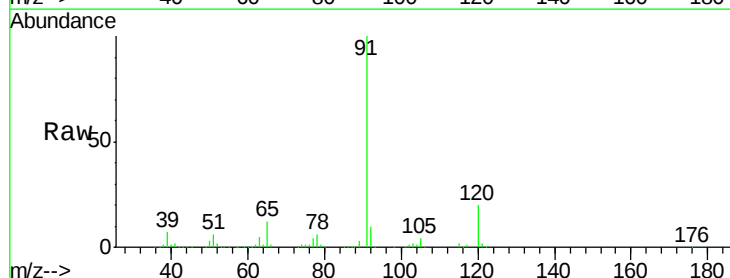
Acq: 10 Jul 2019 18:32

Tgt Ion: 91 Resp: 911465

Ion Ratio Lower Upper

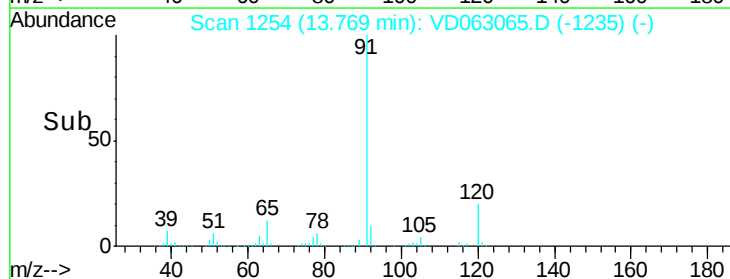
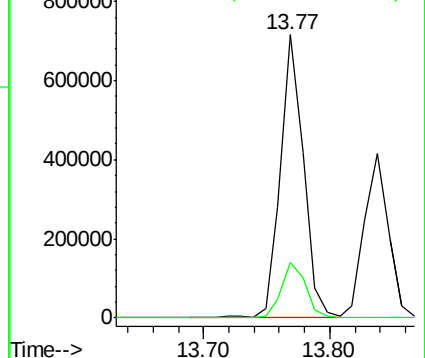
91 100

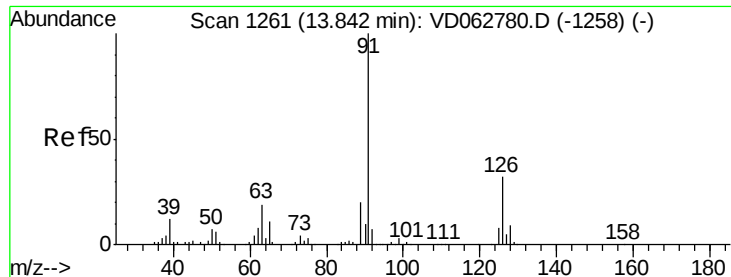
120 19.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 23.445 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

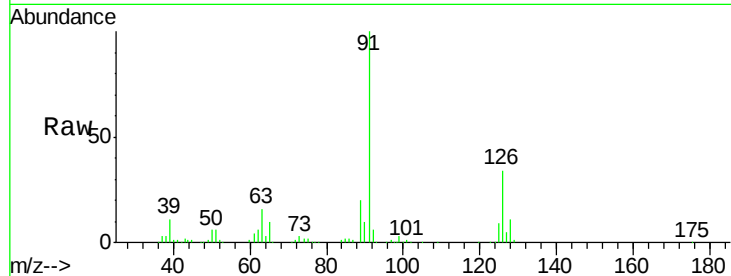
VD0710SBS01

Tot Ion: 91 Resp: 547542

Ion Ratio Lower Upper

91 100

126 34.3 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VD062780.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD062780.D (-1258) (-)

800000

600000

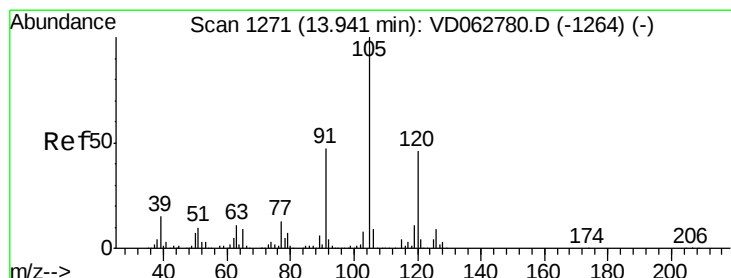
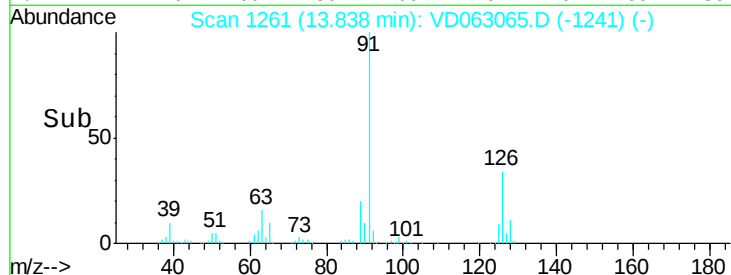
400000

200000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.340 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD063065.D

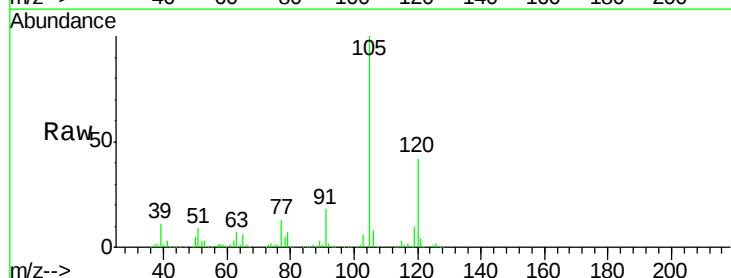
Acq: 10 Jul 2019 18:32

Tgt Ion: 105 Resp: 688341

Ion Ratio Lower Upper

105 100

120 41.9 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): VD062780.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD062780.D (-1264) (-)

600000

500000

400000

300000

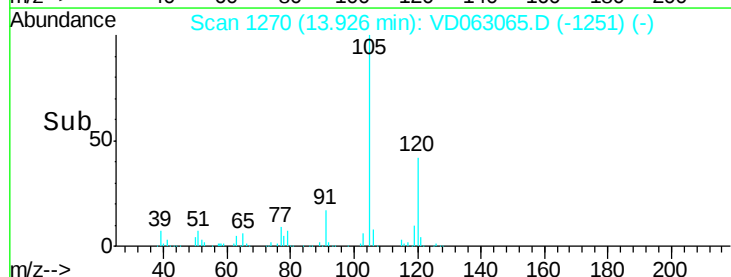
200000

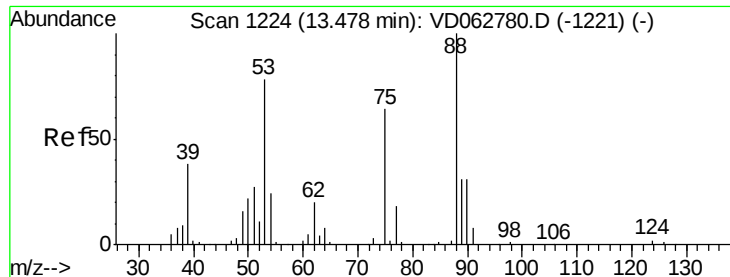
100000

0

13.80 13.90 14.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 23.339 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBSD01

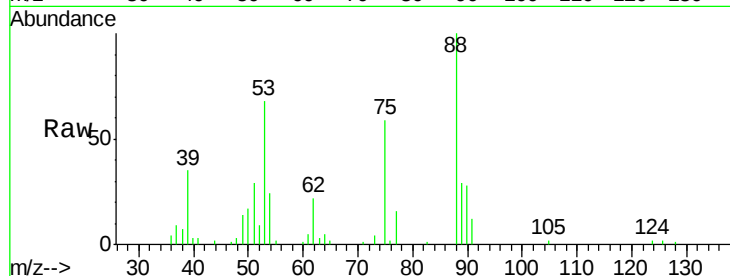
Tot Ion: 75 Resp: 38667

Ion Ratio Lower Upper

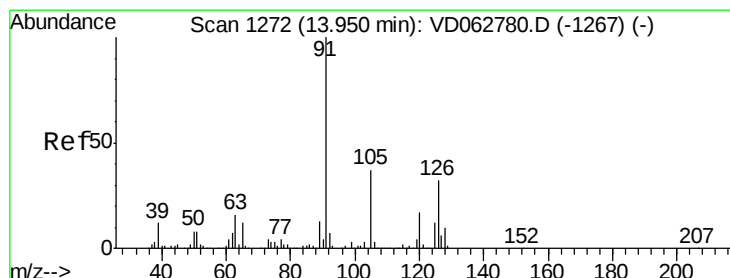
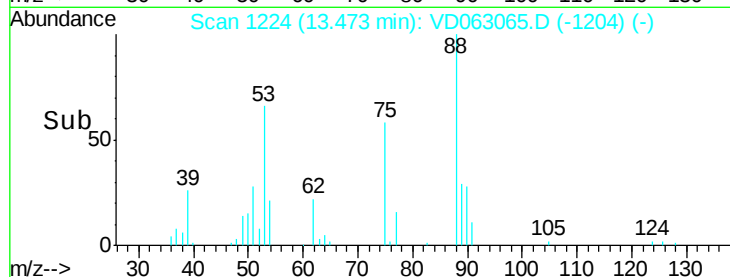
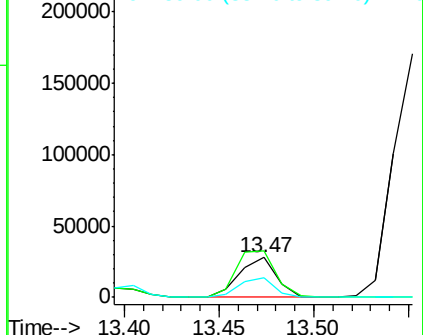
75 100

53 116.7 97.8 146.8

89 49.3 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 23.004 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063065.D

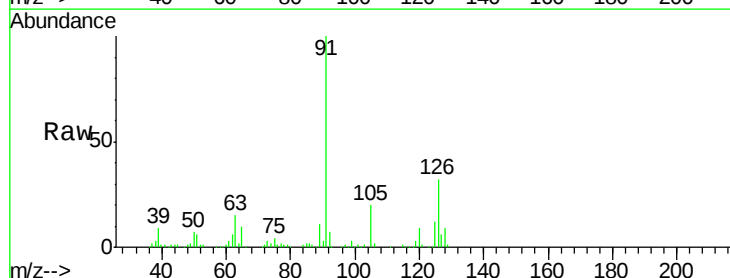
Acq: 10 Jul 2019 18:32

Tgt Ion: 91 Resp: 646773

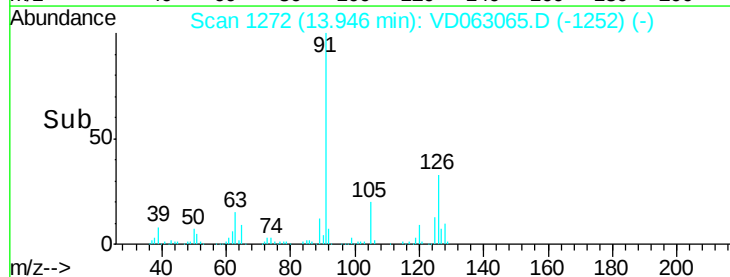
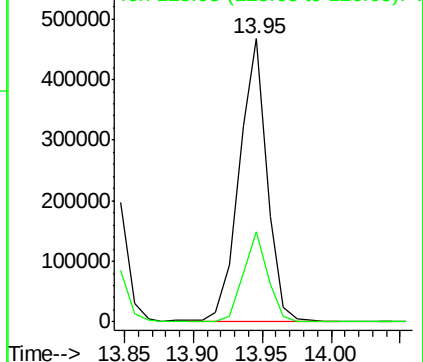
Ion Ratio Lower Upper

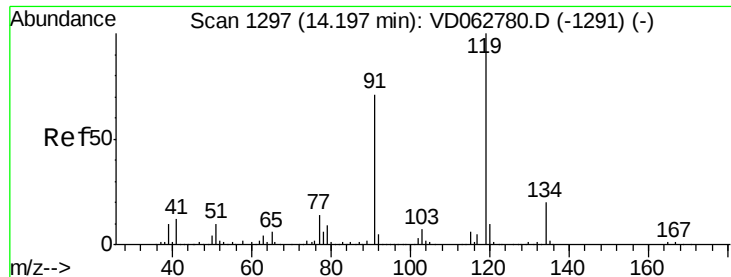
91 100

126 31.7 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

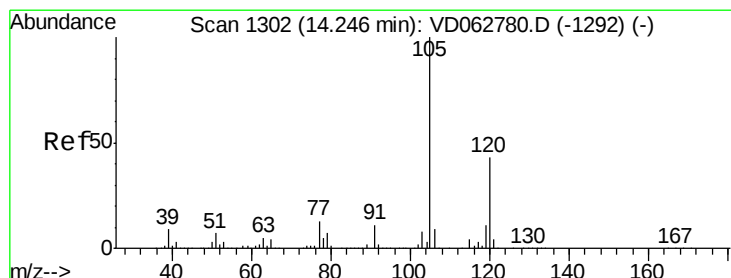
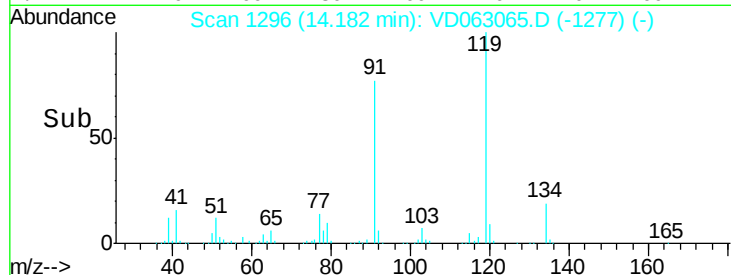
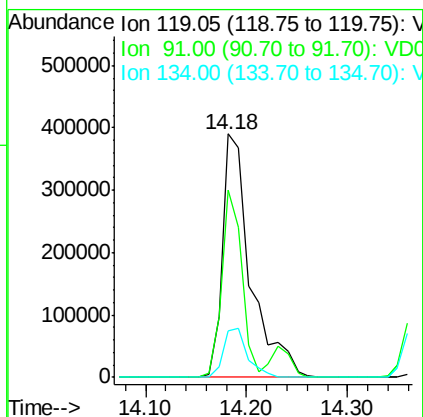
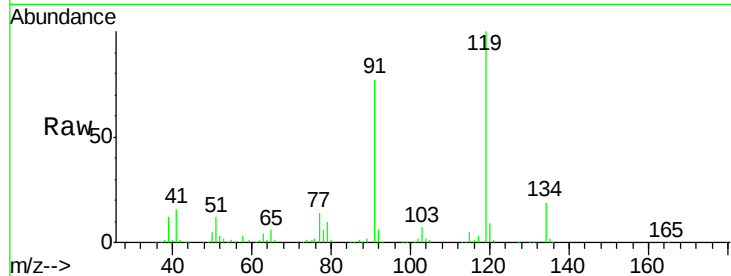




#83
tert-Butylbenzene
Concen: 23.166 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

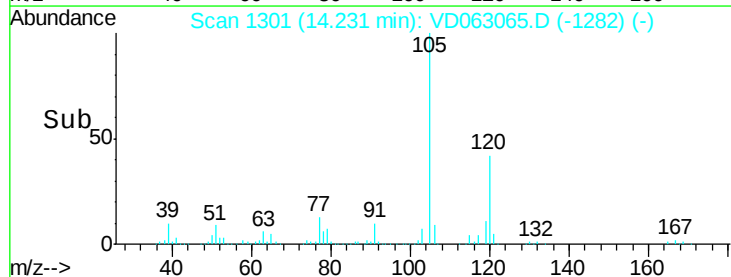
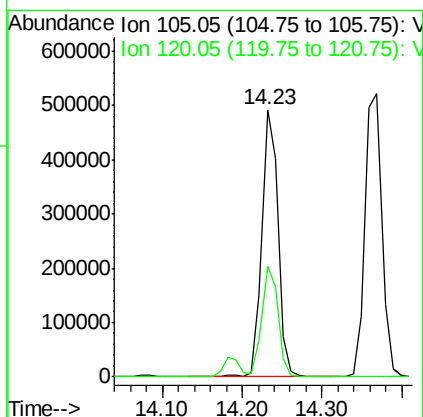
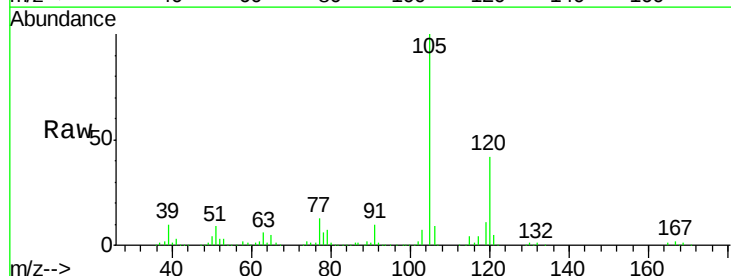
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBSD01

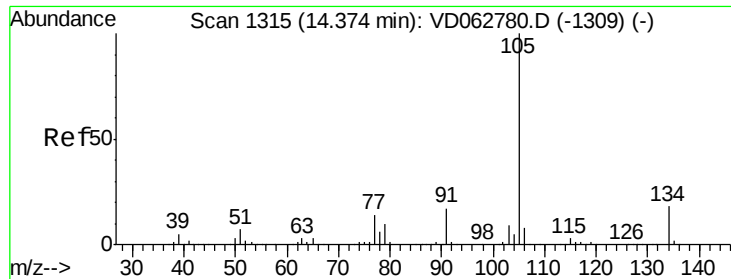
Tot Ion:119 Resp: 761530
Ion Ratio Lower Upper
119 100
91 76.8 35.5 106.5
134 19.3 10.2 30.6



#84
1,2,4-Trimethylbenzene
Concen: 22.587 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

Tgt Ion:105 Resp: 682758
Ion Ratio Lower Upper
105 100
120 41.5 21.3 63.9

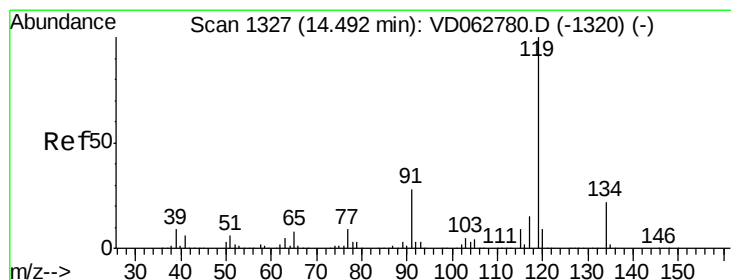
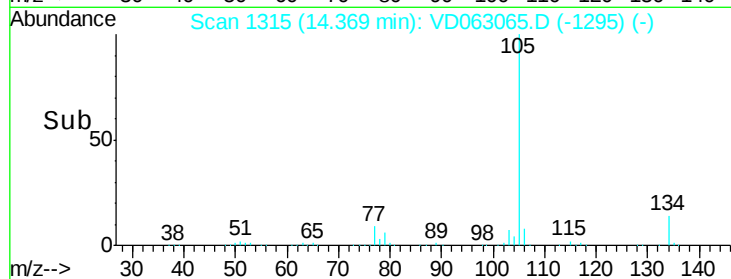
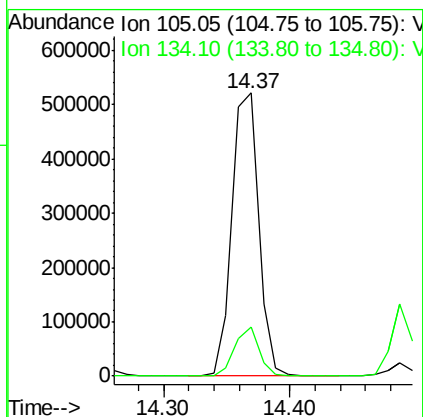
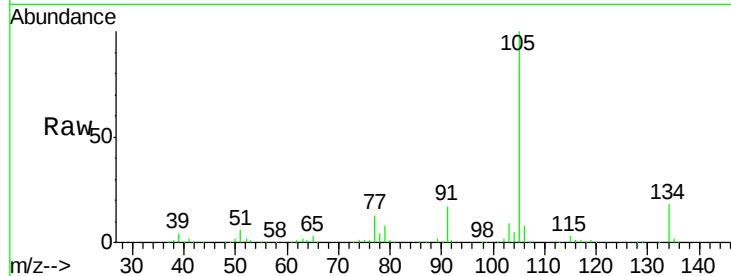




#85
 sec-Butylbenzene
 Concen: 21.360 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

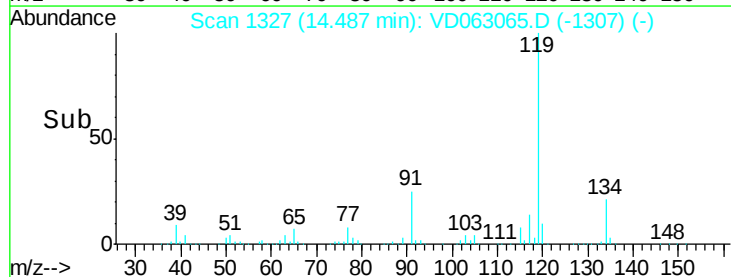
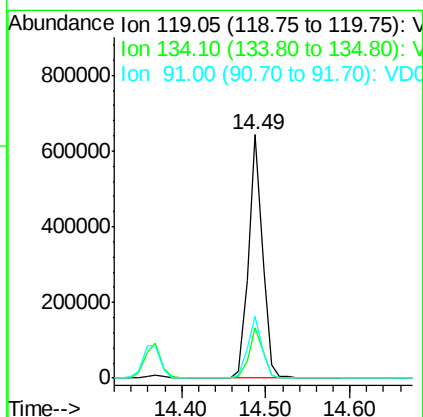
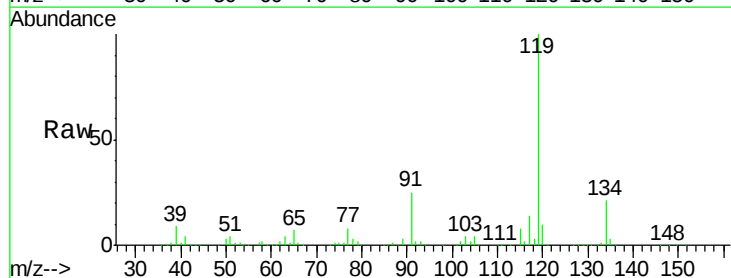
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBSD01

Tot Ion:105 Resp: 763170
 Ion Ratio Lower Upper
 105 100
 134 17.5 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 22.687 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

Tgt Ion:119 Resp: 741549
 Ion Ratio Lower Upper
 119 100
 134 20.6 11.1 33.1
 91 25.3 14.0 41.9

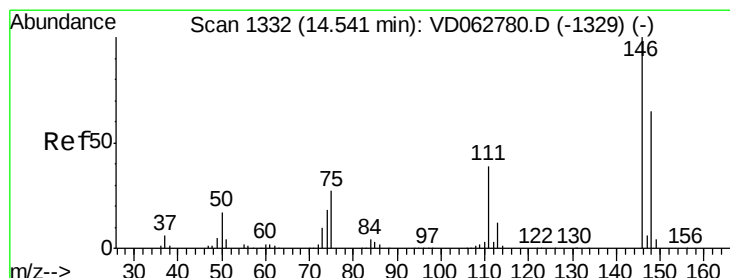
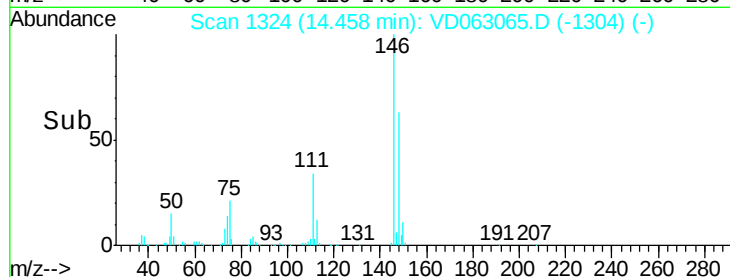
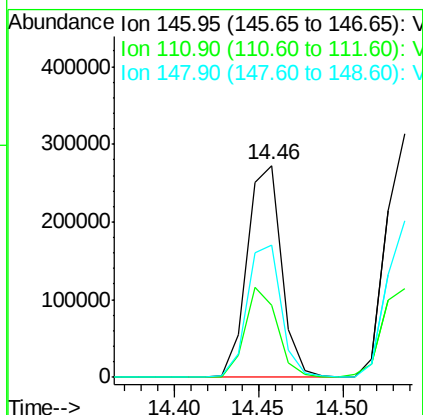
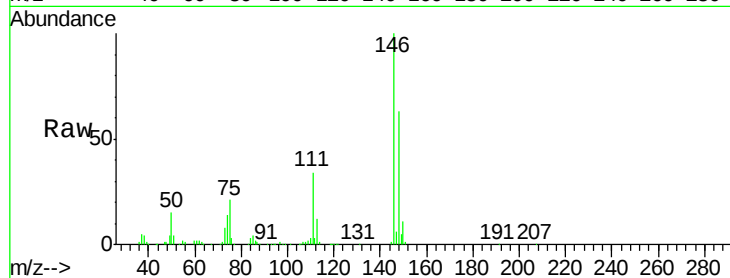




#87
 1,3-Dichlorobenzene
 Concen: 22.909 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

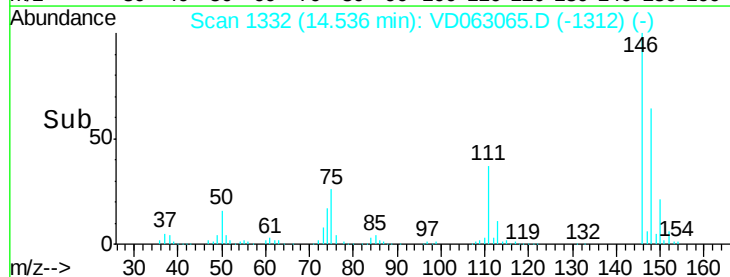
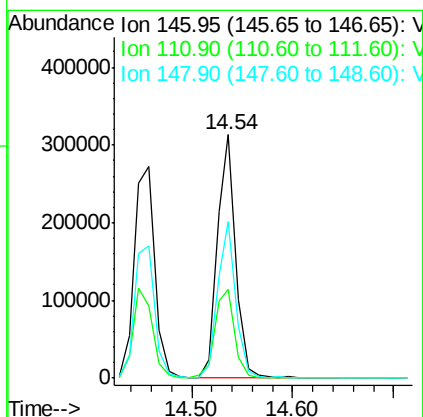
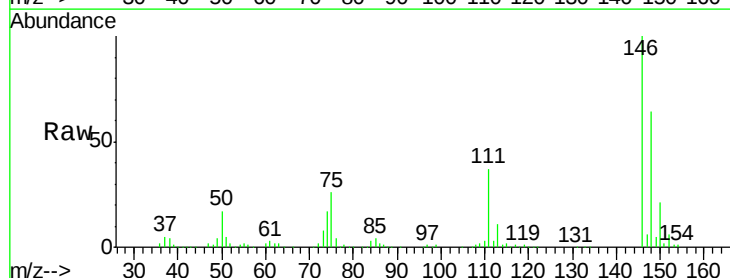
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBSD01

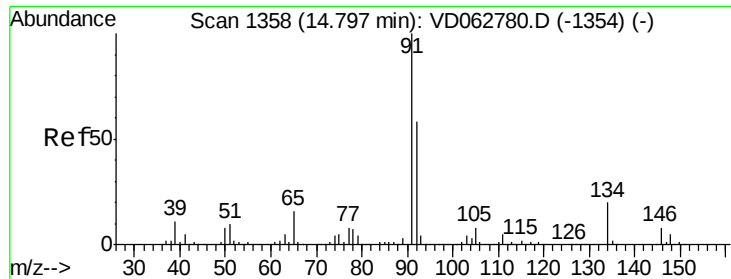
Tot Ion:146 Resp: 387823
 Ion Ratio Lower Upper
 146 100
 111 34.2 19.0 57.0
 148 62.6 30.8 92.3



#88
 1,4-Dichlorobenzene
 Concen: 23.482 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

Tgt Ion:146 Resp: 399269
 Ion Ratio Lower Upper
 146 100
 111 36.7 19.7 59.1
 148 64.4 32.8 98.3





#89

n-Butylbenzene

Concen: 22.435 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD063065.D

Acq: 10 Jul 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

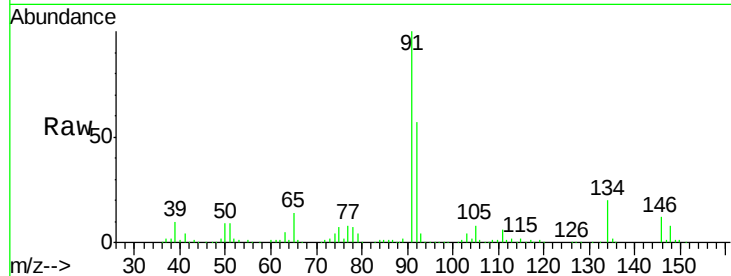
Tot Ion: 91 Resp: 686352

Ion Ratio Lower Upper

91 100

92 57.2 28.9 86.7

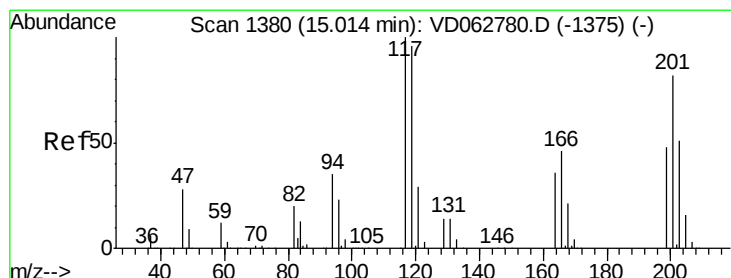
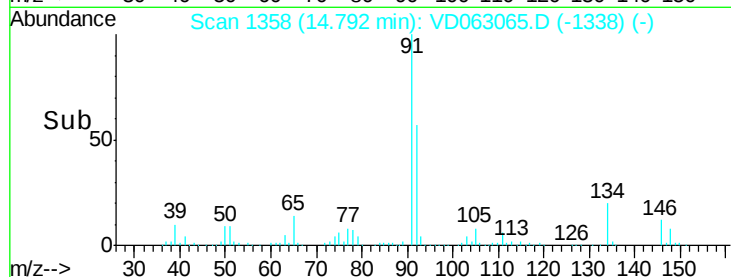
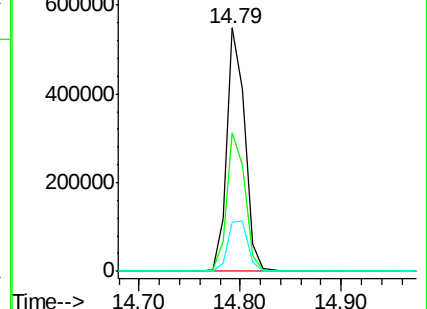
134 20.1 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 21.139 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063065.D

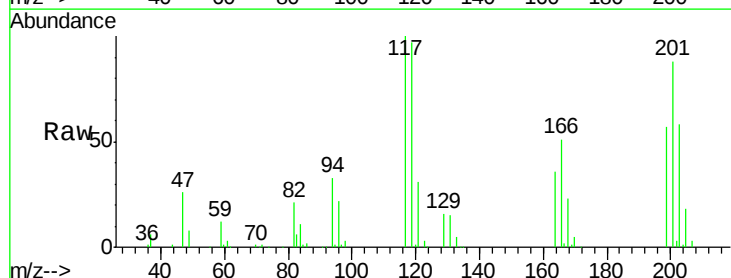
Acq: 10 Jul 2019 18:32

Tgt Ion: 117 Resp: 185772

Ion Ratio Lower Upper

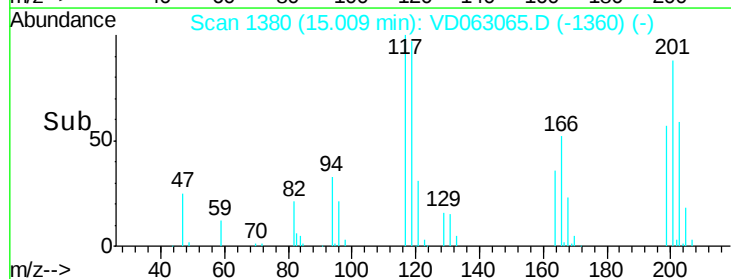
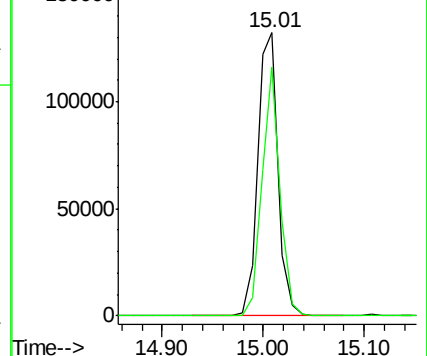
117 100

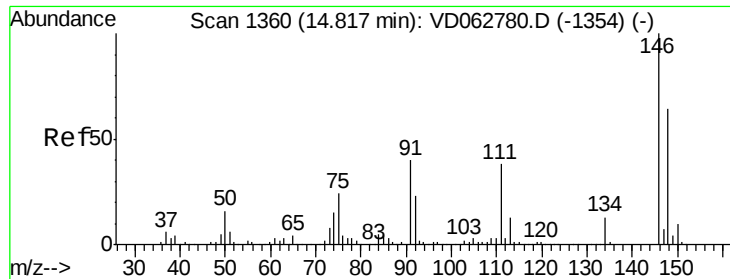
201 87.8 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

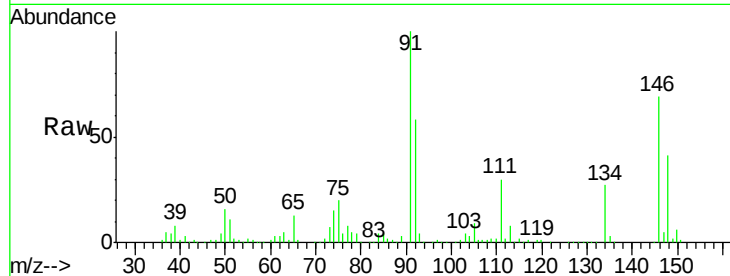




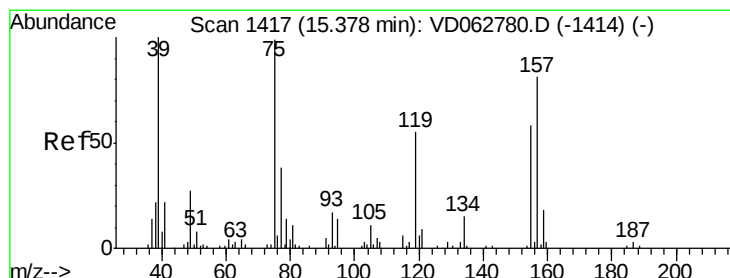
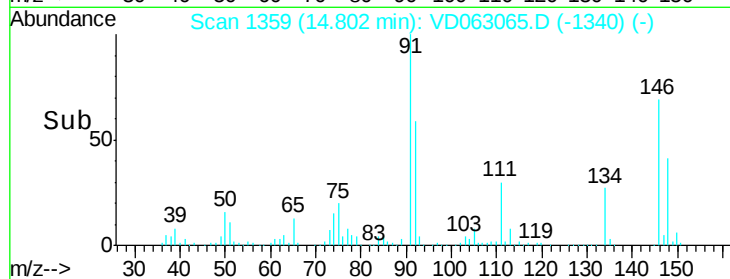
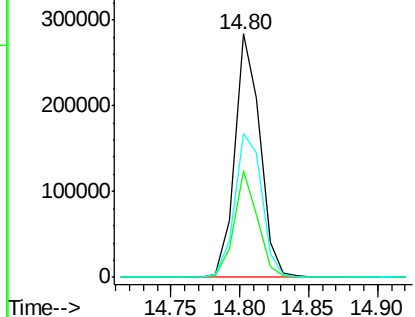
#91
 1,2-Dichlorobenzene
 Concen: 24.926 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBSD01

Tot Ion:146 Resp: 361024
 Ion Ratio Lower Upper
 146 100
 111 43.6 19.1 57.1
 148 59.3 32.3 96.8

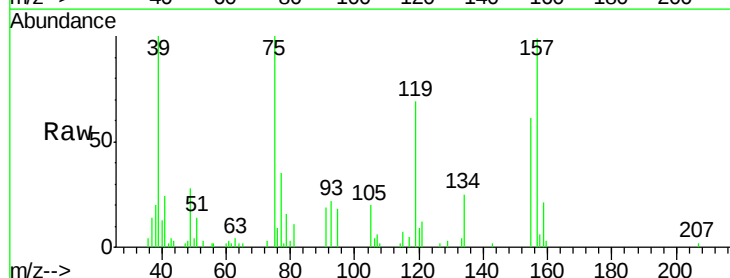


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

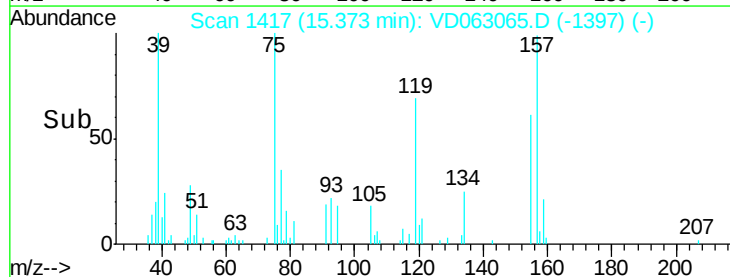
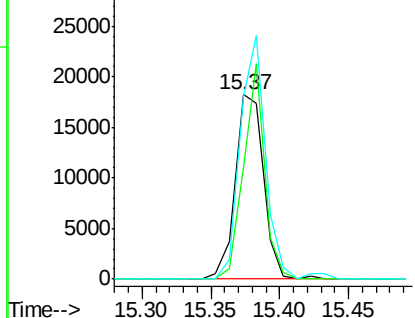


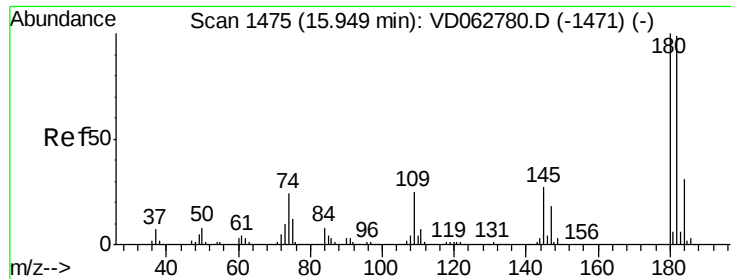
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.372 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

Tgt Ion: 75 Resp: 26096
 Ion Ratio Lower Upper
 75 100
 155 60.8 29.3 87.8
 157 98.9 41.3 123.7



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

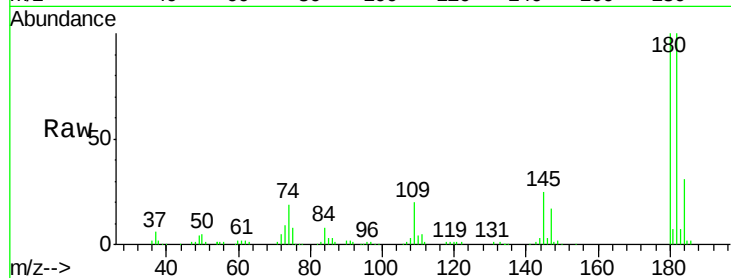




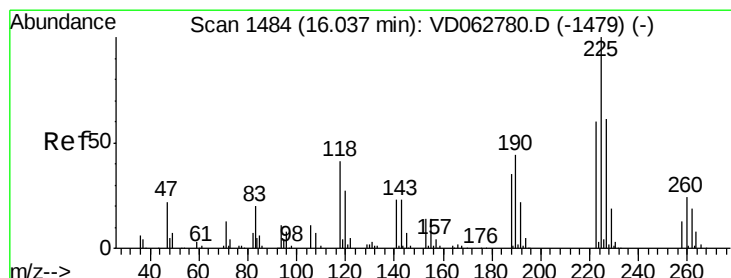
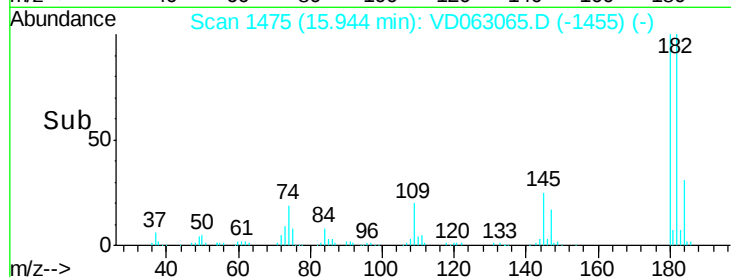
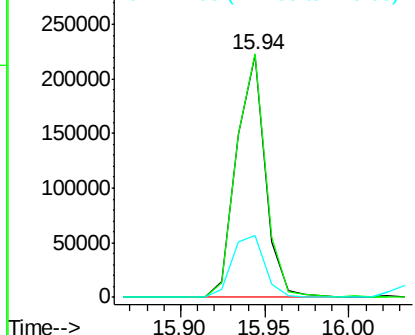
#93
 1,2,4-Trichlorobenzene
 Concen: 23.305 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBS01

Tot Ion:180 Resp: 263681
 Ion Ratio Lower Upper
 180 100
 182 100.5 49.5 148.5
 145 25.6 13.7 41.0

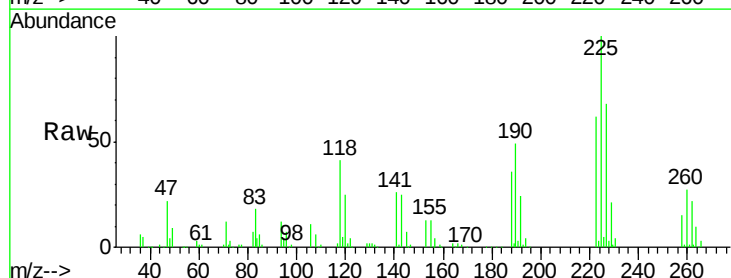


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

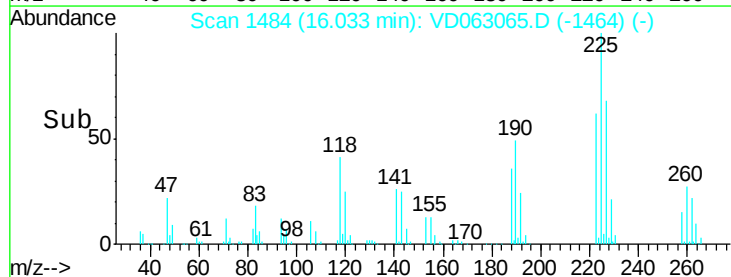
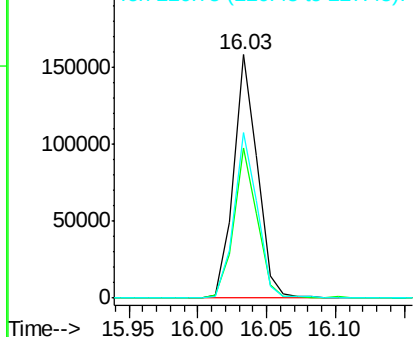


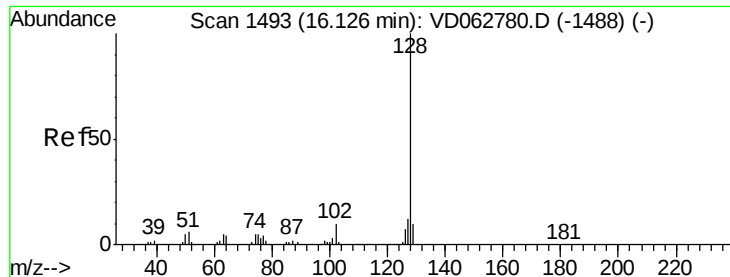
#94
 Hexachlorobutadiene
 Concen: 22.024 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063065.D
 Acq: 10 Jul 2019 18:32

Tgt Ion:225 Resp: 190368
 Ion Ratio Lower Upper
 225 100
 223 61.6 29.8 89.5
 227 67.9 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

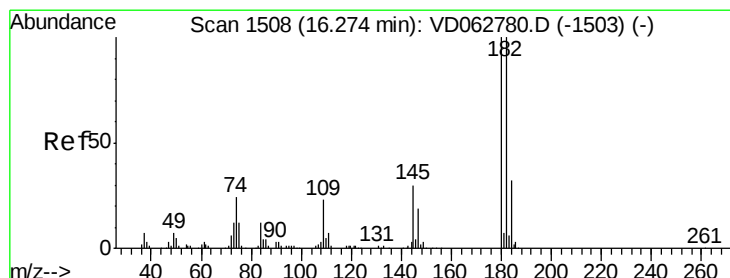
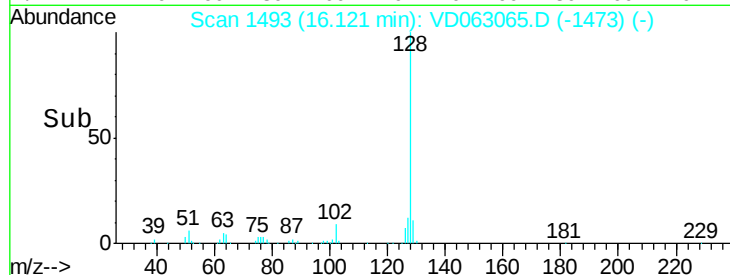
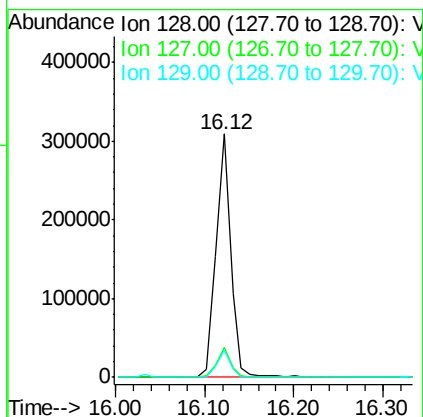
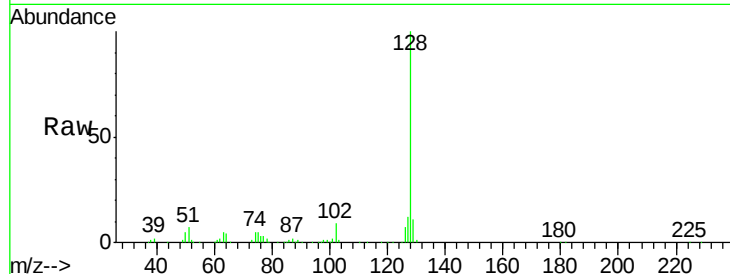




#95
Naphthalene
Concen: 22.585 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

Instrument :
MSVOA_D
ClientSampleId :
VD0710SBSD01

Tot Ion:128 Resp: 358154
Ion Ratio Lower Upper
128 100
127 12.0 9.7 14.5
129 11.3 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 22.884 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063065.D
Acq: 10 Jul 2019 18:32

Tgt Ion:180 Resp: 198932
Ion Ratio Lower Upper
180 100
182 106.1 49.9 149.6
145 31.3 15.2 45.5

