

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
 Data File : VD063059.D
 Acq On : 10 Jul 2019 15:49
 Operator : VA/AP
 Sample : VD0710SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBSD01

Quant Time: Jul 11 07:00:47 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	972385	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1294918	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	1119530	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	575932	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	450791	42.65	ug/l	-0.01
Spiked Amount			Recovery	=	85.30%	
35) Dibromofluoromethane	6.91	113	504505	46.21	ug/l	-0.02
Spiked Amount			Recovery	=	92.42%	
50) Toluene-d8	10.40	98	1056544	44.46	ug/l	-0.01
Spiked Amount			Recovery	=	88.92%	
62) 4-Bromofluorobenzene	13.55	95	509144	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	261539	20.785	ug/l	95
3) Chloromethane	1.75	50	200889	21.228	ug/l	94
4) Vinyl Chloride	1.85	62	199562	21.269	ug/l	99
5) Bromomethane	2.14	94	80005	18.208	ug/l	89
6) Chloroethane	2.25	64	85876	20.216	ug/l	96
7) Trichlorofluoromethane	2.52	101	389284	20.501	ug/l	98
8) Diethyl Ether	2.87	74	49149	20.371	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	236100	22.951	ug/l	92
10) Methyl Iodide	3.30	142	294157	21.674	ug/l	93
11) Tert butyl alcohol	4.07	59	50952	105.843	ug/l #	83
12) 1,1-Dichloroethene	3.12	96	165894	21.497	ug/l	97
13) Acrolein	3.03	56	29085	59.183	ug/l	89
14) Allyl chloride	3.61	41	259532	22.760	ug/l	88
15) Acrylonitrile	4.19	53	133553	118.069	ug/l	88
16) Acetone	3.23	43	210481	93.828	ug/l #	87
17) Carbon Disulfide	3.36	76	477608	19.365	ug/l	97
18) Methyl Acetate	3.64	43	105433	33.044	ug/l	93
19) Methyl tert-butyl Ether	4.23	73	368800	22.076	ug/l	96
20) Methylene Chloride	3.81	84	193984	24.065	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	183722	22.359	ug/l	83
22) Diisopropyl ether	5.11	45	560611	24.175	ug/l	97
23) Vinyl Acetate	5.05	43	1509450	104.023	ug/l	98
24) 1,1-Dichloroethane	4.97	63	332387	22.015	ug/l	96
25) 2-Butanone	6.06	43	227707	115.187	ug/l	96
26) 2,2-Dichloropropane	6.01	77	350516	21.903	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	198025	22.789	ug/l	99
28) Bromochloromethane	6.43	49	120428	22.647	ug/l	86
29) Tetrahydrofuran	6.46	42	107971	115.437	ug/l	99
30) Chloroform	6.65	83	419606	22.852	ug/l	98
31) Cyclohexane	6.94	56	223824	22.550	ug/l	86
32) 1,1,1-Trichloroethane	6.86	97	411895	21.537	ug/l	95
36) 1,1-Dichloropropene	7.13	75	277245	22.617	ug/l	92
37) Ethyl Acetate	6.18	43	105774	19.878	ug/l	95
38) Carbon Tetrachloride	7.10	117	378300	20.520	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	248303	23.012	ug/l	93
40) Benzene	7.44	78	574355	23.342	ug/l	95
41) Methacrylonitrile	6.45	41	135237	20.920	ug/l #	90
42) 1,2-Dichloroethane	7.57	62	289151	21.541	ug/l	98
43) Isopropyl Acetate	9.24	43	150122	23.360	ug/l #	97
44) Trichloroethene	8.53	130	219579	22.762	ug/l	100
45) 1,2-Dichloropropane	8.93	63	143923	23.523	ug/l	100
46) Dibromomethane	9.05	93	117488	22.354	ug/l	98
47) Bromodichloromethane	9.37	83	305741	22.399	ug/l	99
48) Methyl methacrylate	9.11	41	98215	21.506	ug/l	91
49) 1,4-Dioxane	9.07	88	16684	439.108	ug/l #	64
51) 4-Methyl-2-Pentanone	10.29	43	504731	110.774	ug/l	100
52) Toluene	10.50	92	375136	22.680	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	258529	23.140	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	263684	21.714	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	122518	21.560	ug/l	98
56) Ethyl methacrylate	11.03	69	135391	22.294	ug/l	97
57) 1,3-Dichloropropane	11.40	76	192481	22.122	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	344553	110.514	ug/l	98
59) 2-Hexanone	11.53	43	342006	105.394	ug/l	98
60) Dibromochloromethane	11.68	129	244551	23.104	ug/l	98
61) 1,2-Dibromoethane	11.80	107	145560	21.688	ug/l	97
64) Tetrachloroethene	11.25	164	204013	22.142	ug/l	99
65) Chlorobenzene	12.39	112	489705	23.569	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	219277	22.567	ug/l	91
67) Ethyl Benzene	12.52	91	850511	22.800	ug/l	99
68) m/p-Xylenes	12.67	106	618620	47.614	ug/l	90
69) o-Xylene	13.04	106	260977	21.973	ug/l	92
70) Styrene	13.07	104	466548	22.364	ug/l	94
71) Bromoform	13.23	173	150113	22.549	ug/l	99
73) Isopropylbenzene	13.40	105	870718	23.579	ug/l	98
74) N-amyl acetate	13.26	43	217427	24.245	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	138159	22.962	ug/l	92
76) 1,2,3-Trichloropropane	13.73	75	160827	24.189	ug/l	95
77) Bromobenzene	13.66	156	229402	23.096	ug/l	85
78) n-propylbenzene	13.77	91	1026905	23.892	ug/l	96
79) 2-Chlorotoluene	13.84	91	578386	23.548	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	743055	23.956	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	39621	22.738	ug/l	91
82) 4-Chlorotoluene	13.95	91	719030	24.315	ug/l	96
83) tert-Butylbenzene	14.18	119	833197	24.099	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	741789	23.333	ug/l	100
85) sec-Butylbenzene	14.36	105	866816	23.068	ug/l	95
86) p-Isopropyltoluene	14.49	119	844402	24.563	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	418526	23.506	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	436604	24.414	ug/l	97
89) n-Butylbenzene	14.79	91	707379	21.985	ug/l	95
90) Hexachloroethane	15.00	117	210904	22.818	ug/l	78
91) 1,2-Dichlorobenzene	14.80	146	362566	23.801	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	25429	21.654	ug/l	80

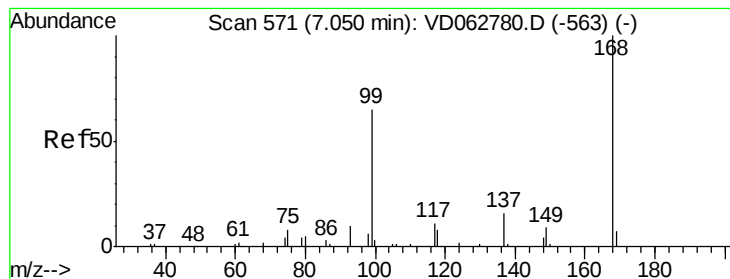
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
Data File : VD063059.D
Acq On : 10 Jul 2019 15:49
Operator : VA/AP
Sample : VD0710SBSD01
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	295184	24.806	ug/l	98
94) Hexachlorobutadiene	16.03	225	210755	23.183	ug/l	99
95) Naphthalene	16.12	128	398050	23.866	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	222191	24.302	ug/l	93

(#) = 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: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

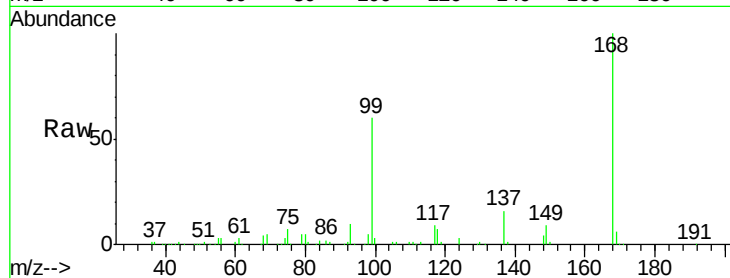
VD0710SBS01

Tot Ion:168 Resp: 972385

Ion Ratio Lower Upper

168 100

99 60.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

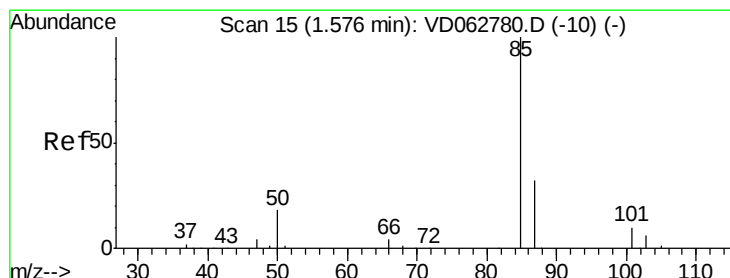
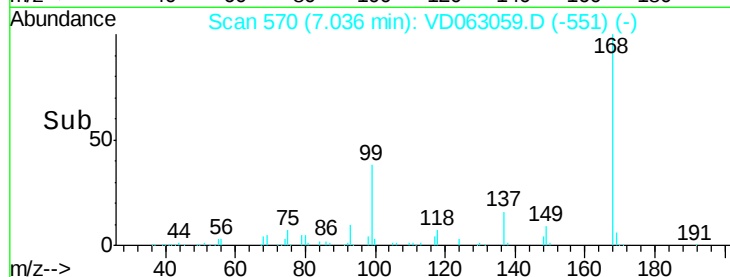
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.785 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063059.D

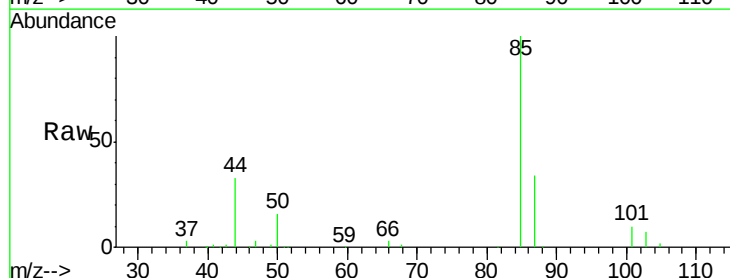
Acq: 10 Jul 2019 15:49

Tgt Ion: 85 Resp: 261539

Ion Ratio Lower Upper

85 100

87 34.5 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

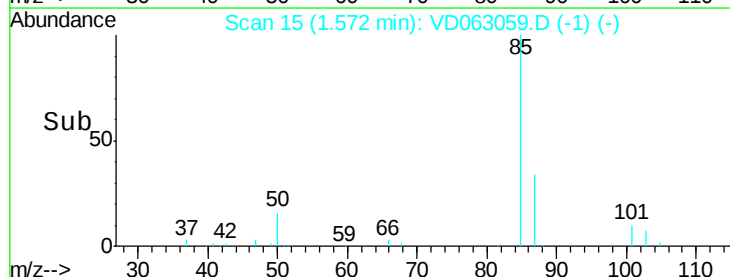
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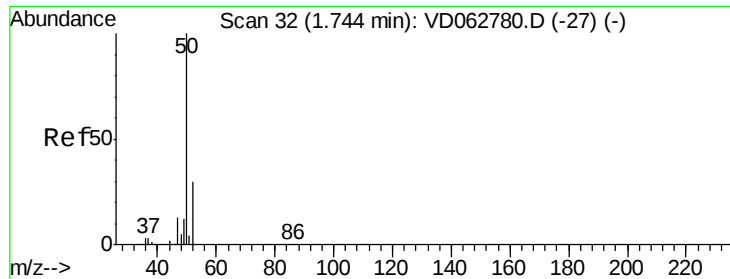
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.228 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

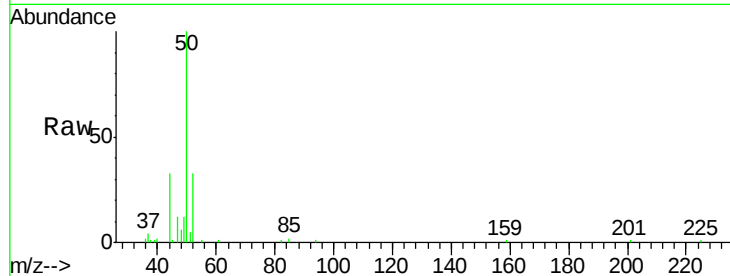
VD0710SBSD01

Tot Ion: 50 Resp: 200889

Ion Ratio Lower Upper

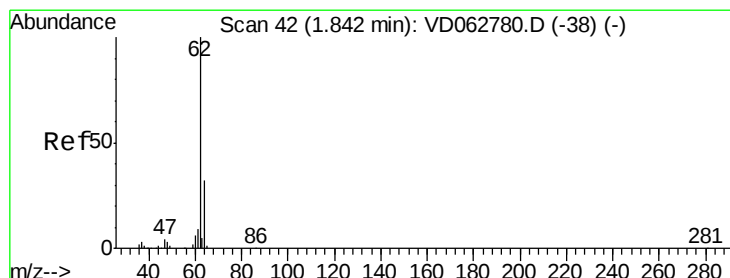
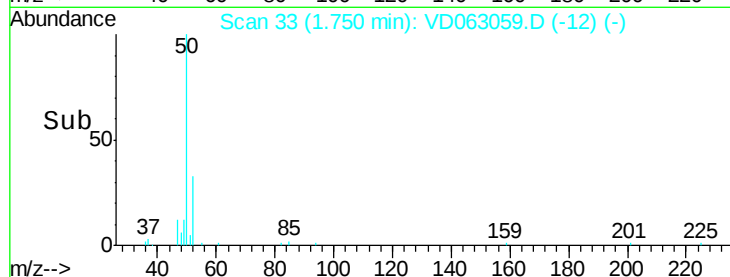
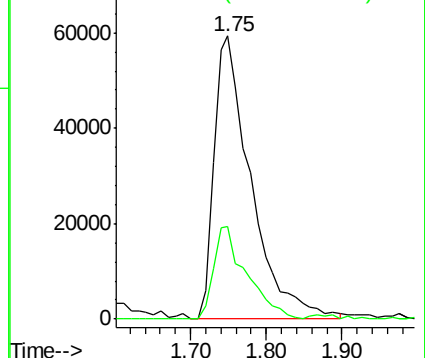
50 100

52 32.9 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.269 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063059.D

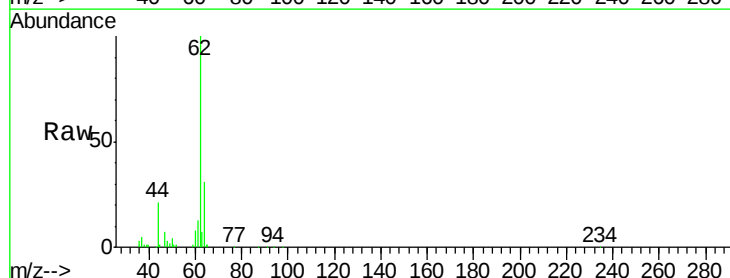
Acq: 10 Jul 2019 15:49

Tgt Ion: 62 Resp: 199562

Ion Ratio Lower Upper

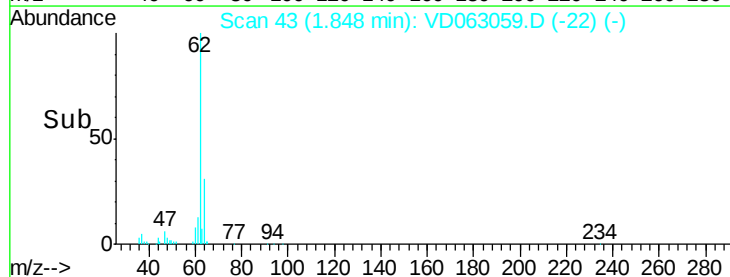
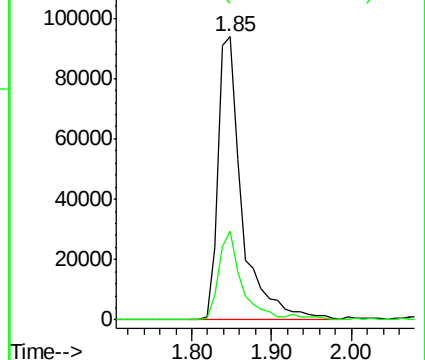
62 100

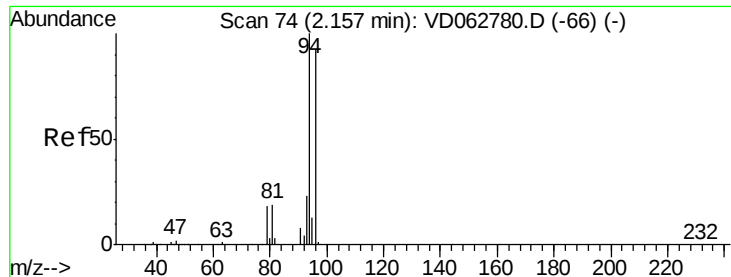
64 31.3 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.208 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

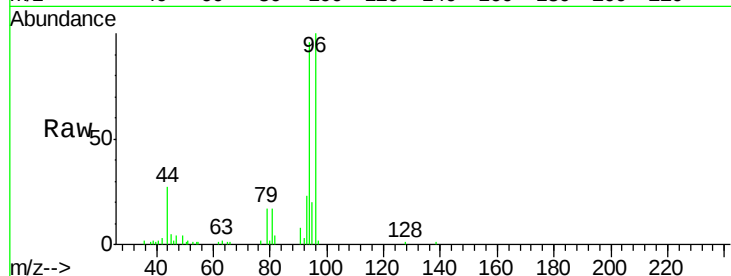
Tot Ion: 94 Resp: 80005

Ion Ratio Lower Upper

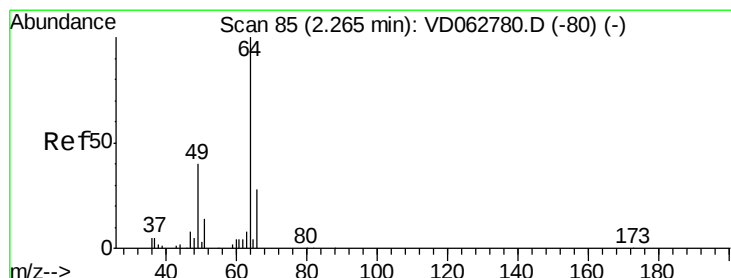
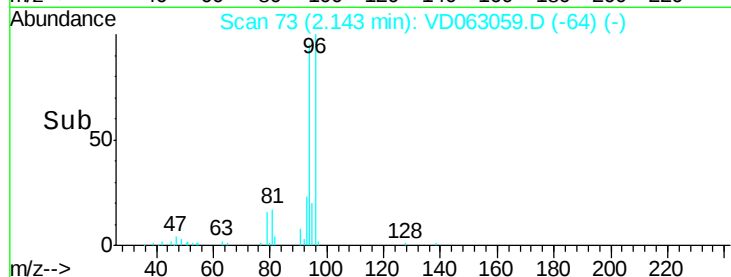
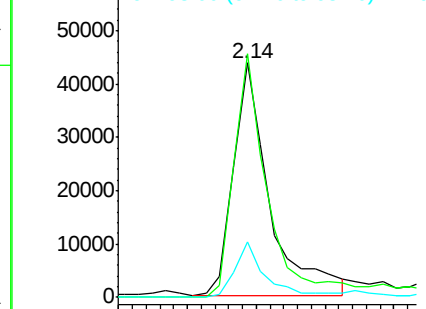
94 100

96 103.9 73.4 110.2

93 23.8 18.2 27.4



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



#6

Chloroethane

Concen: 20.216 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063059.D

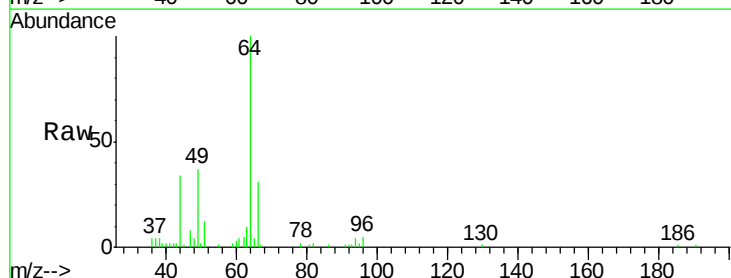
Acq: 10 Jul 2019 15:49

Tgt Ion: 64 Resp: 85876

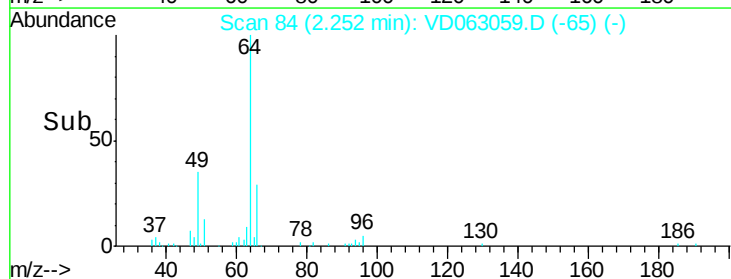
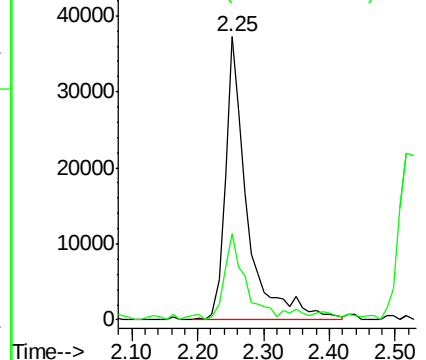
Ion Ratio Lower Upper

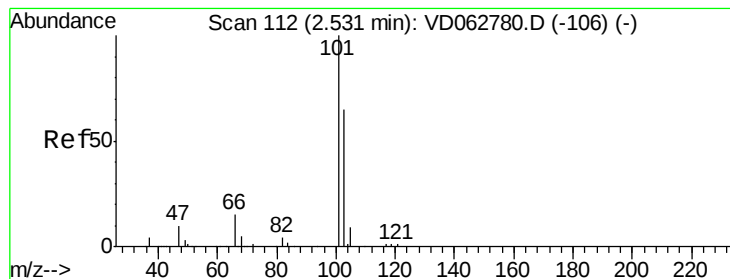
64 100

66 30.7 23.0 34.4



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



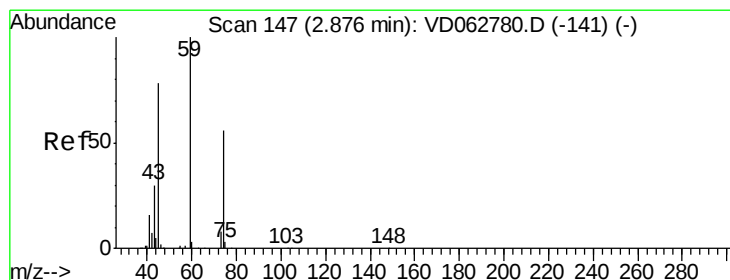
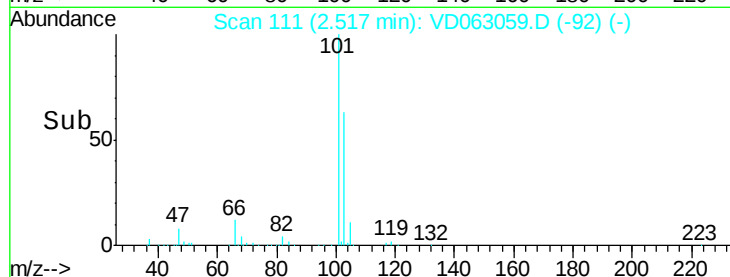
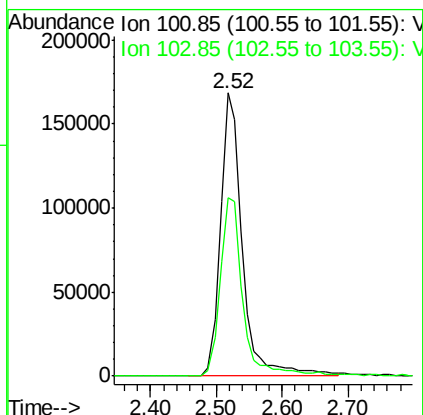
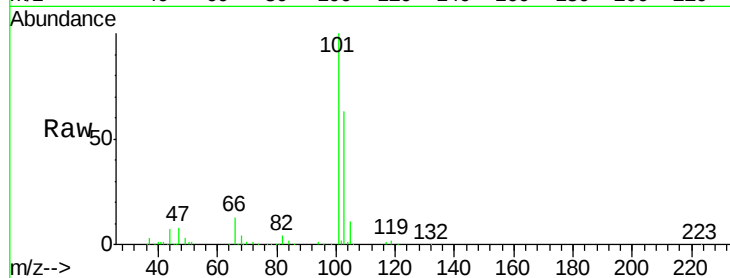


#7

Trichlorofluoromethane
 Concen: 20.501 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

Instrument :
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 VD0710SBSD01

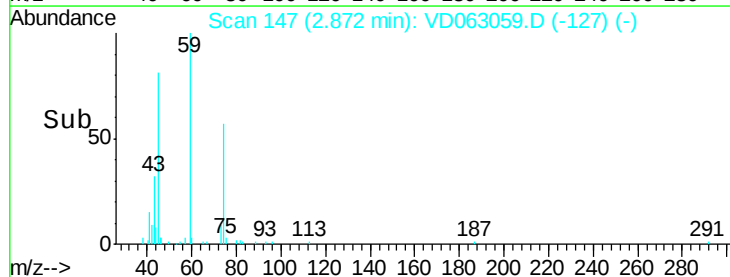
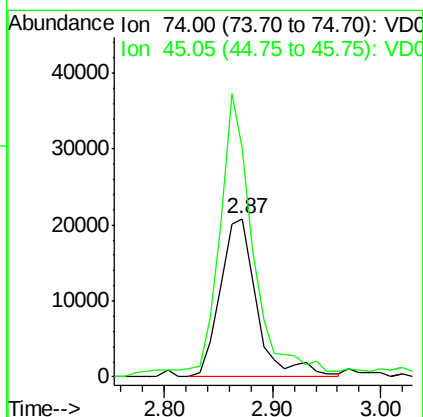
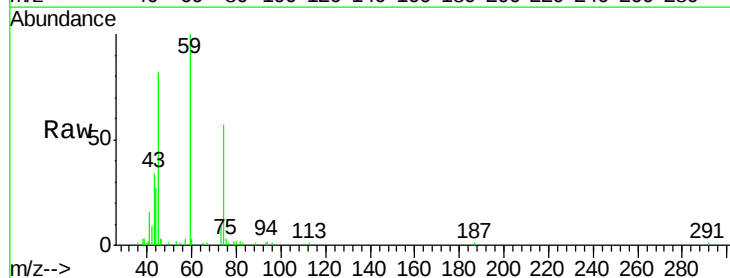
Tot Ion:101 Resp: 389284
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.8 77.8

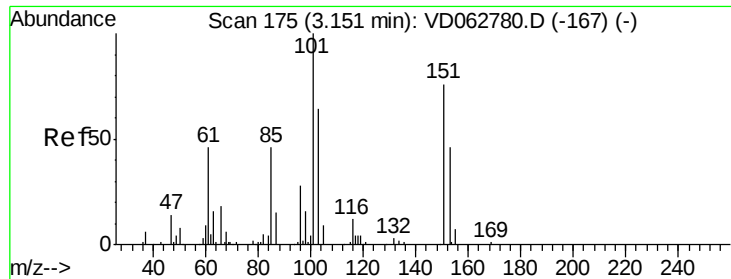


#8

Diethyl Ether
 Concen: 20.371 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

Tgt Ion: 74 Resp: 49149
 Ion Ratio Lower Upper
 74 100
 45 144.7 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.951 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

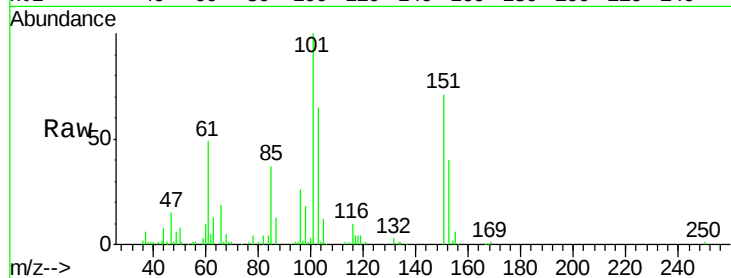
Tot Ion:101 Resp: 236100

Ion Ratio Lower Upper

101 100

85 37.2 37.0 55.4

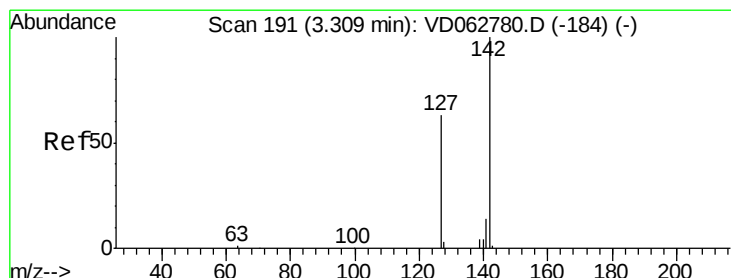
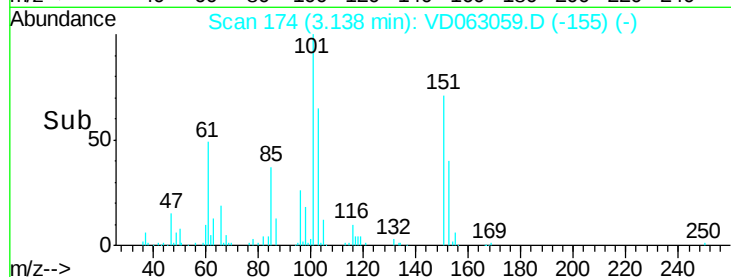
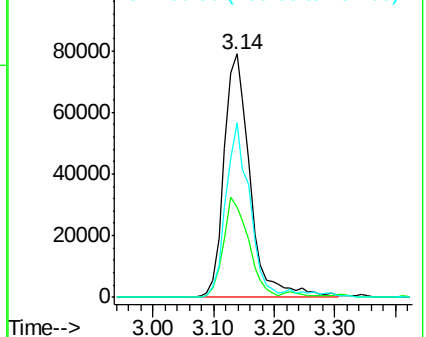
151 71.5 60.5 90.7



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: 21.674 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

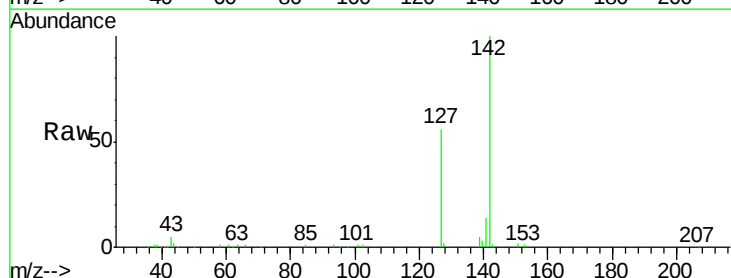
Tgt Ion:142 Resp: 294157

Ion Ratio Lower Upper

142 100

127 56.0 50.1 75.1

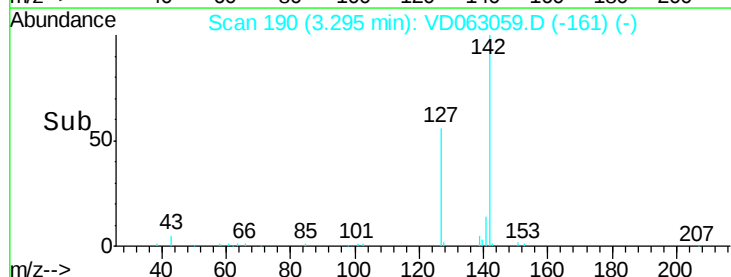
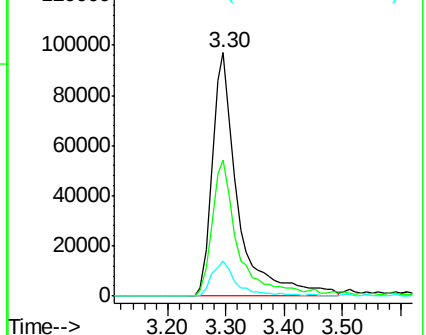
141 14.2 11.0 16.4

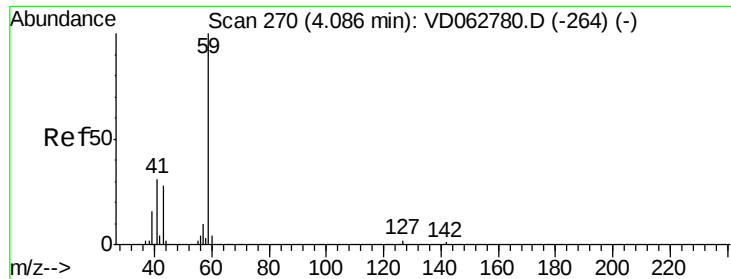


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



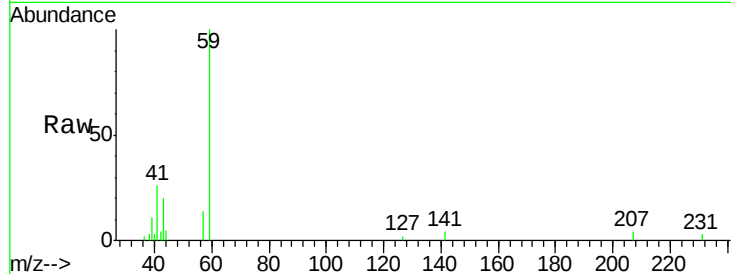


#11

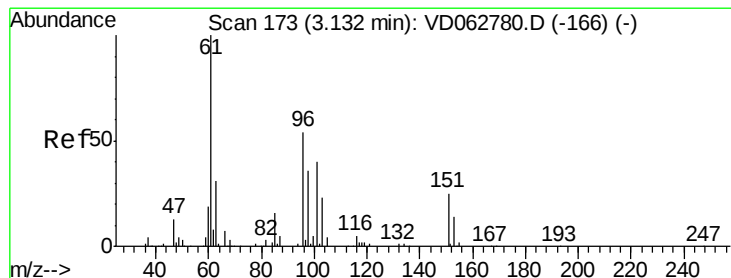
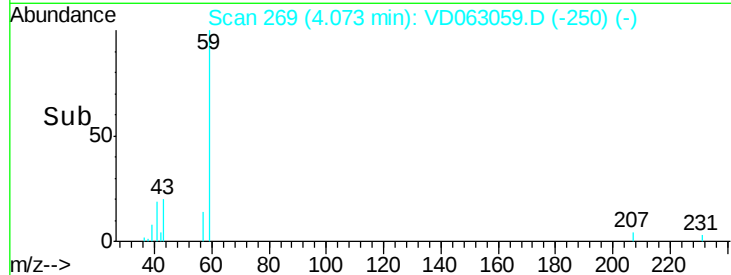
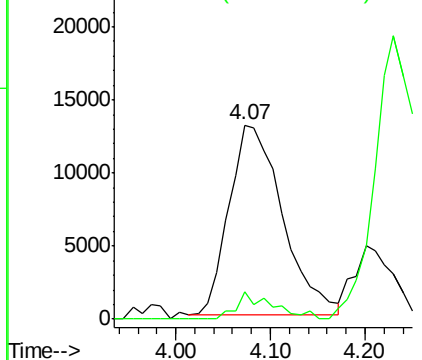
Tert butyl alcohol
 Concen: 105.843 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBSD01

Tot Ion: 59 Resp: 50952
 Ion Ratio Lower Upper
 59 100
 57 14.4 6.6 10.0#



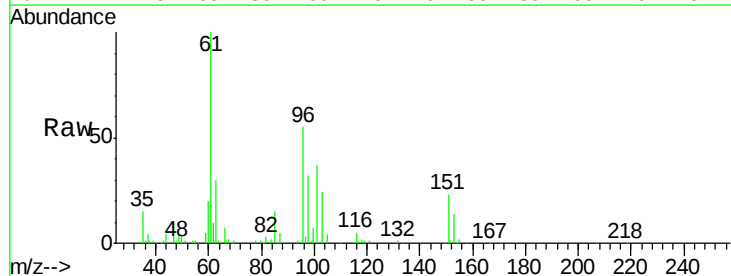
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



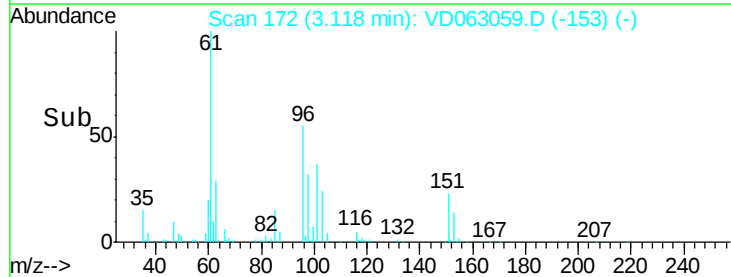
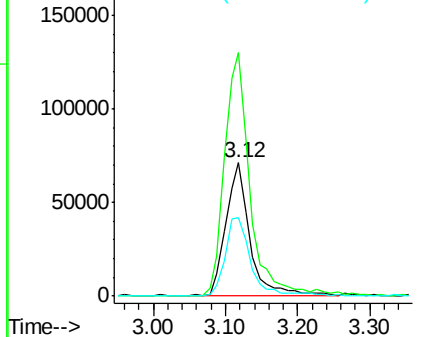
#12

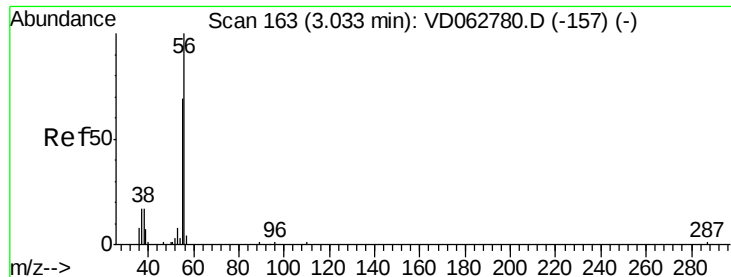
1,1-Dichloroethene
 Concen: 21.497 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

Tgt Ion: 96 Resp: 165894
 Ion Ratio Lower Upper
 96 100
 61 182.4 147.1 220.7
 98 59.2 52.6 79.0



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





#13

Acrolein

Concen: 59.183 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

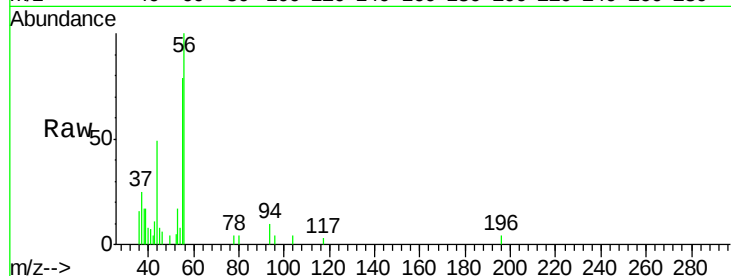
VD0710SBS01

Tot Ion: 56 Resp: 29085

Ion Ratio Lower Upper

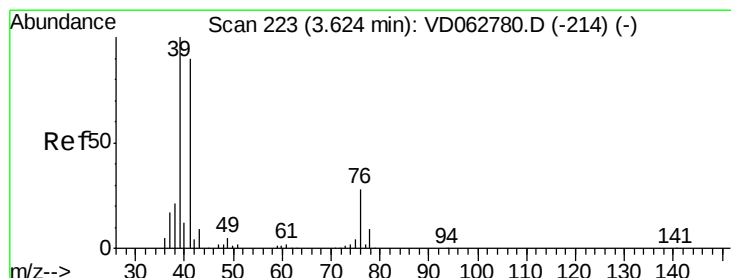
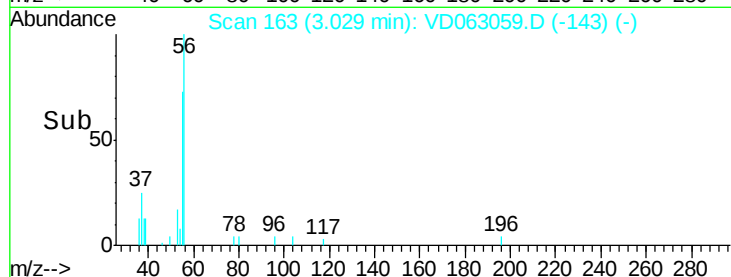
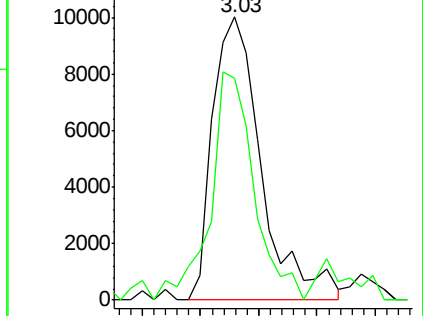
56 100

55 78.6 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.760 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

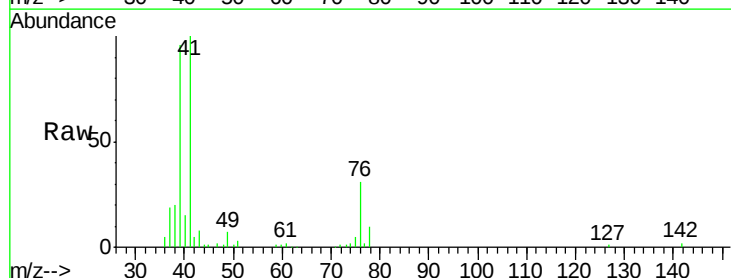
Tgt Ion: 41 Resp: 259532

Ion Ratio Lower Upper

41 100

39 95.6 88.8 133.2

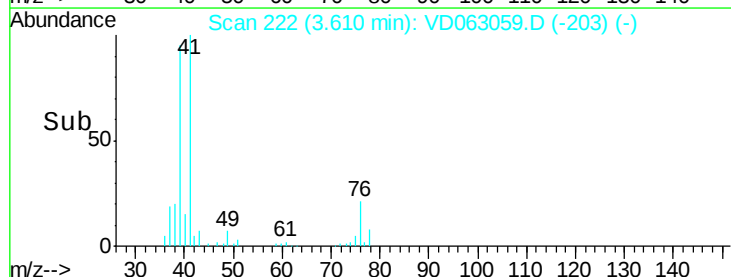
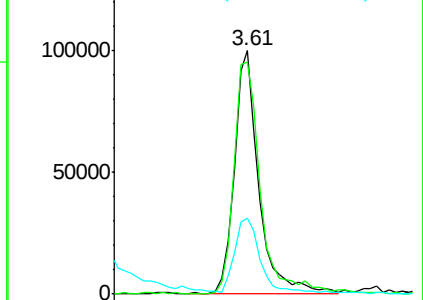
76 31.2 26.7 40.1

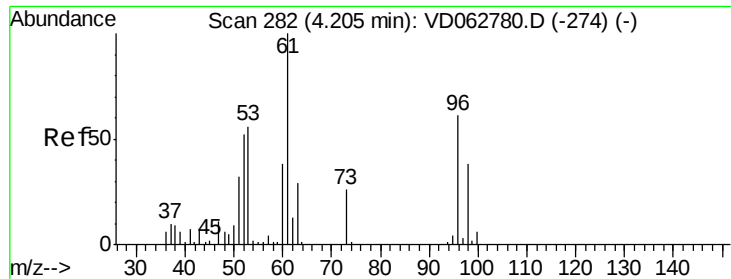


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 118.069 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

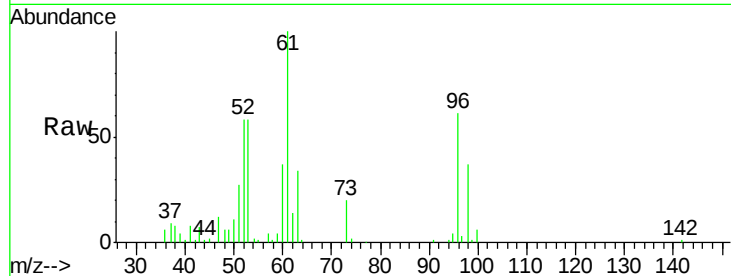
Tot Ion: 53 Resp: 133553

Ion Ratio Lower Upper

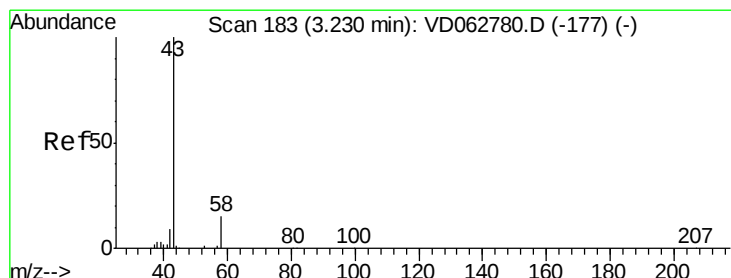
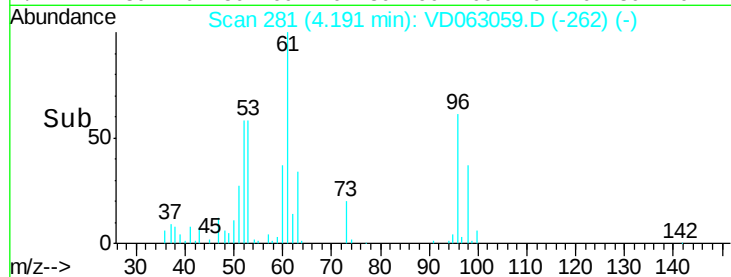
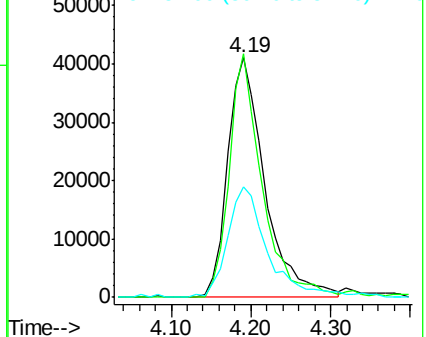
53 100

52 101.6 73.3 109.9

51 46.3 44.8 67.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 93.828 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063059.D

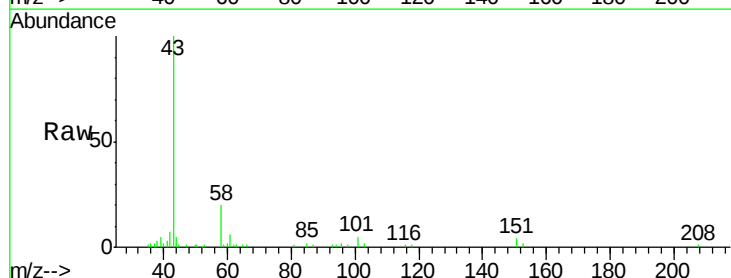
Acq: 10 Jul 2019 15:49

Tgt Ion: 43 Resp: 210481

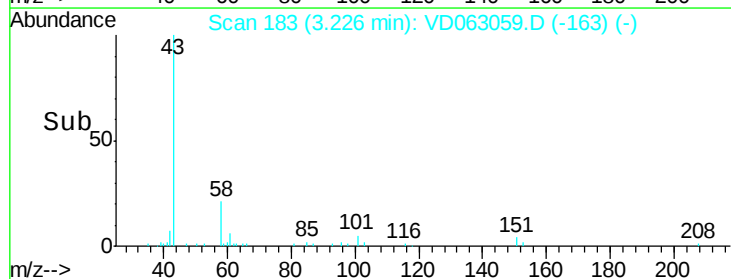
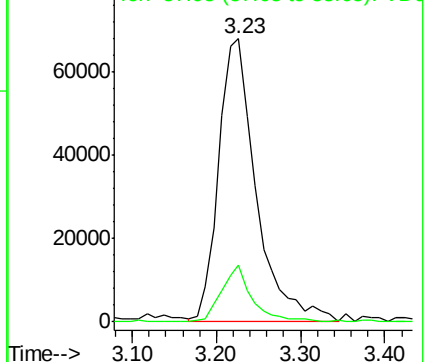
Ion Ratio Lower Upper

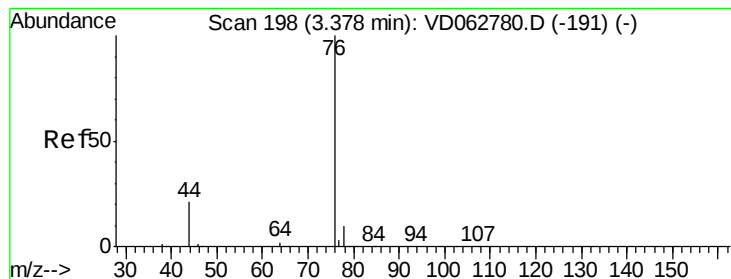
43 100

58 20.3 11.9 17.9#



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





#17

Carbon Disulfide

Concen: 19.365 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

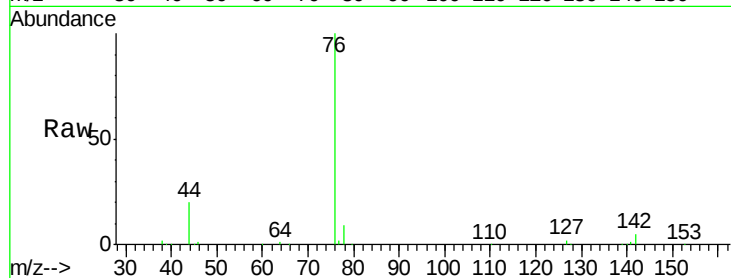
VD0710SBS01

Tot Ion: 76 Resp: 477608

Ion Ratio Lower Upper

76 100

78 8.7 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.36

200000

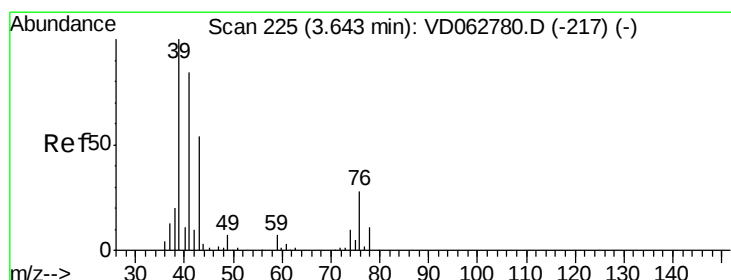
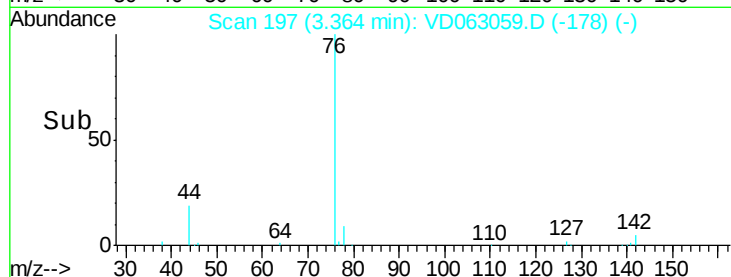
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 33.044 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD063059.D

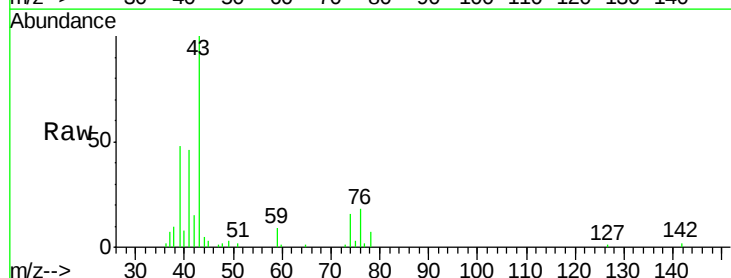
Acq: 10 Jul 2019 15:49

Tgt Ion: 43 Resp: 105433

Ion Ratio Lower Upper

43 100

74 15.8 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

40000

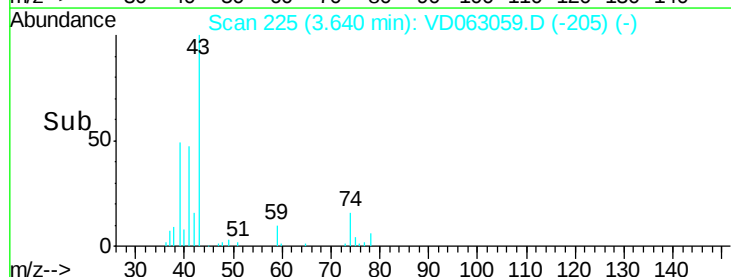
30000

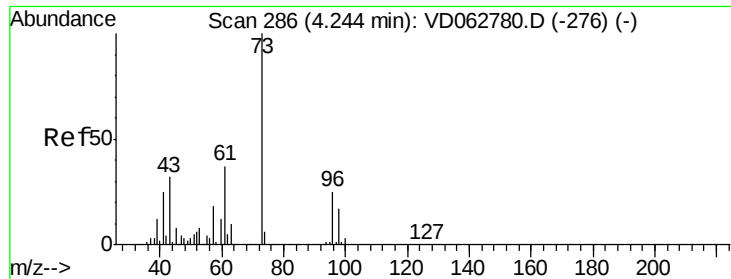
20000

10000

0

Time-->

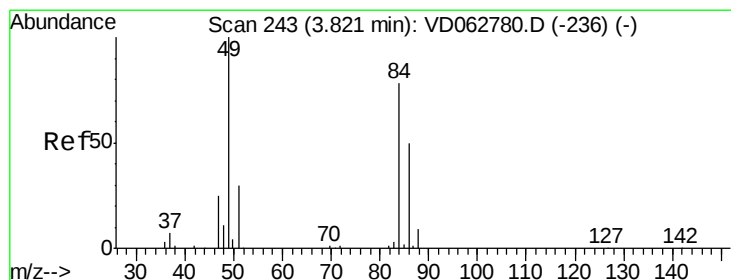
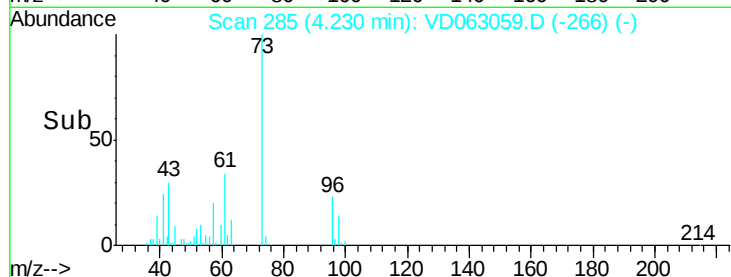
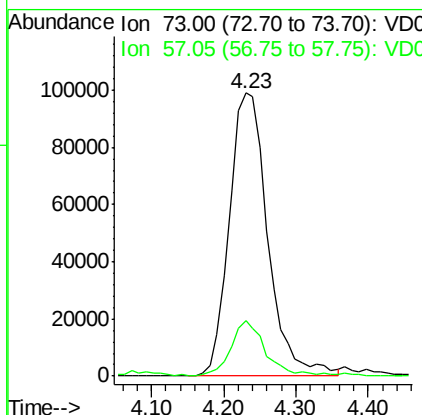
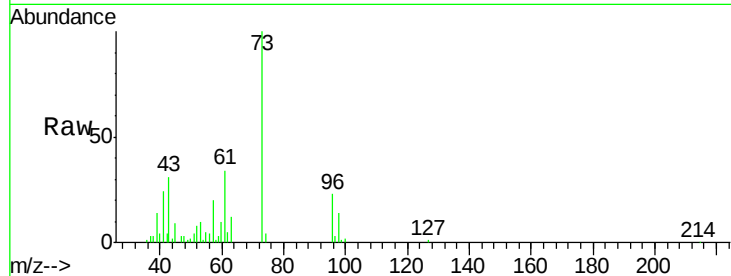




#19
Methvl tert-butvl Ether
Concen: 22.076 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

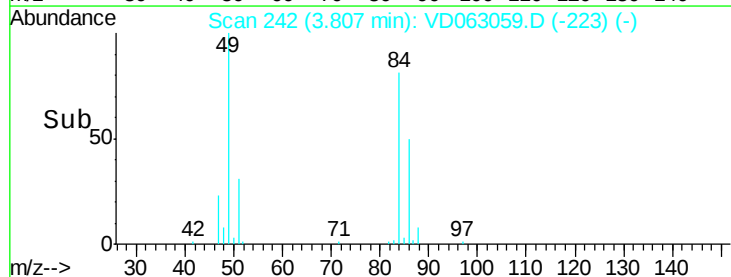
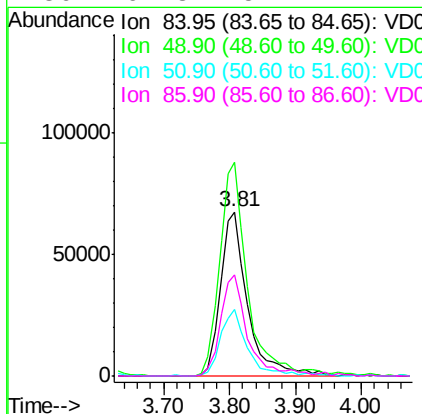
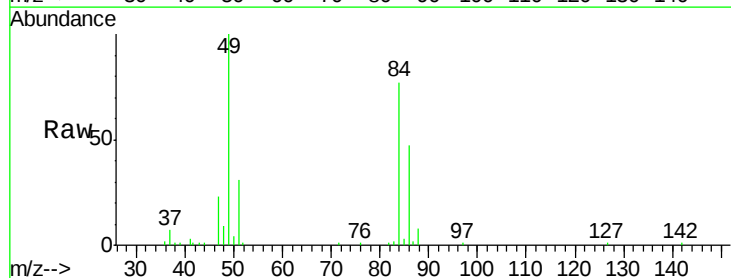
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBSD01

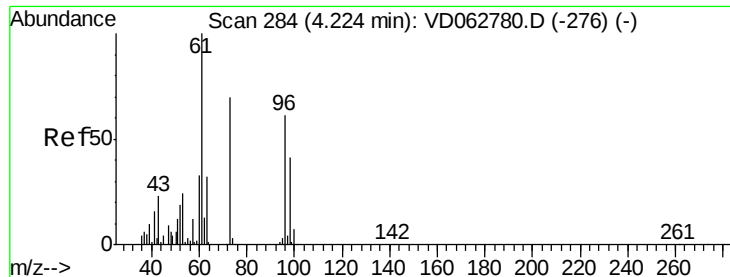
Tot Ion: 73 Resp: 368800
Ion Ratio Lower Upper
73 100
57 19.6 14.3 21.5



#20
Methylene Chloride
Concen: 24.065 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

Tgt Ion: 84 Resp: 193984
Ion Ratio Lower Upper
84 100
49 129.9 102.9 154.3
51 40.3 31.2 46.8
86 61.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 22.359 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

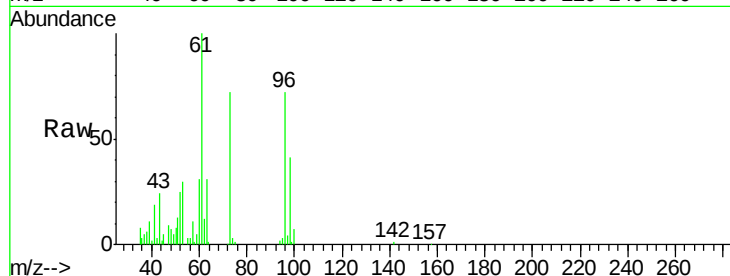
Tot Ion: 96 Resp: 183722

Ion Ratio Lower Upper

96 100

61 138.6 131.0 196.4

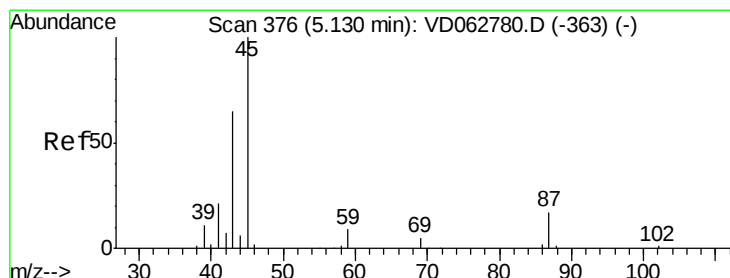
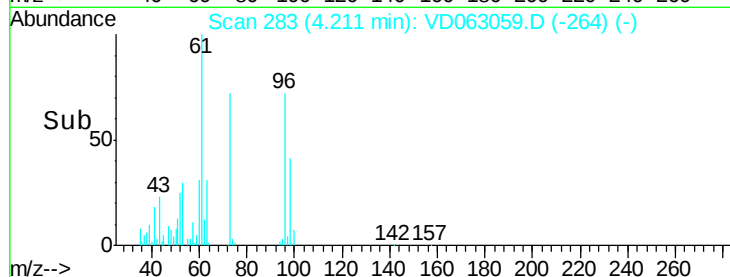
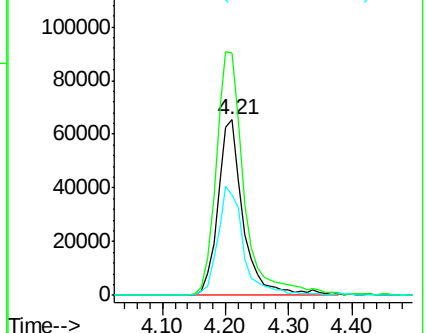
98 57.3 53.2 79.8



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: 24.175 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Tgt Ion: 45 Resp: 560611

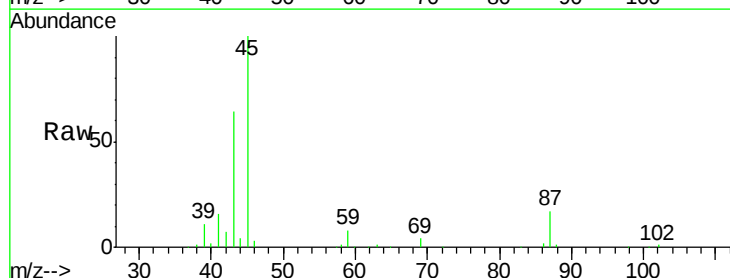
Ion Ratio Lower Upper

45 100

43 63.9 53.4 80.0

87 17.5 14.6 22.0

59 7.9 7.8 11.8

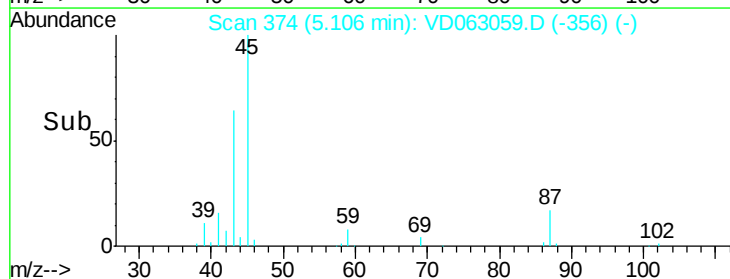
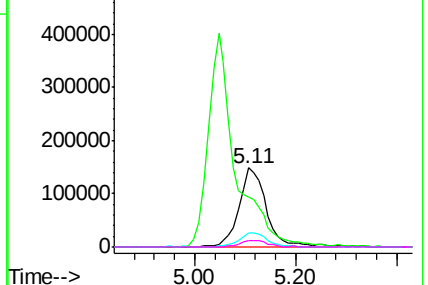


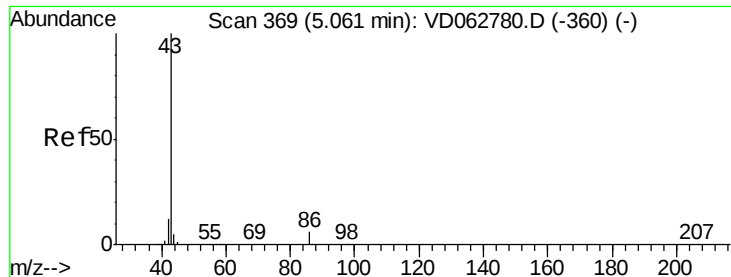
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 104.023 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

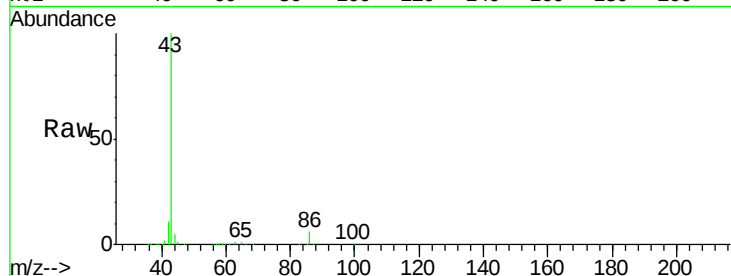
VD0710SBS01

Tot Ion: 43 Resp: 1509450

Ion Ratio Lower Upper

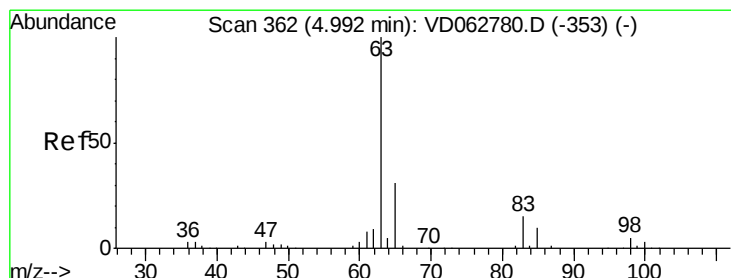
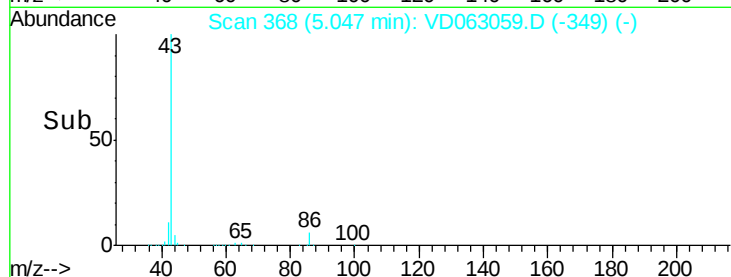
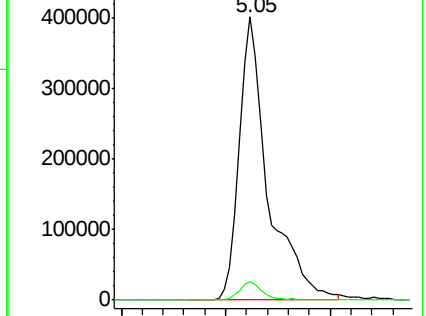
43 100

86 6.4 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.015 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.02 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

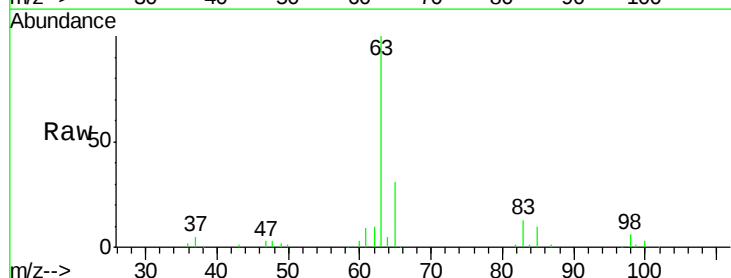
Tgt Ion: 63 Resp: 332387

Ion Ratio Lower Upper

63 100

98 6.6 2.3 6.9

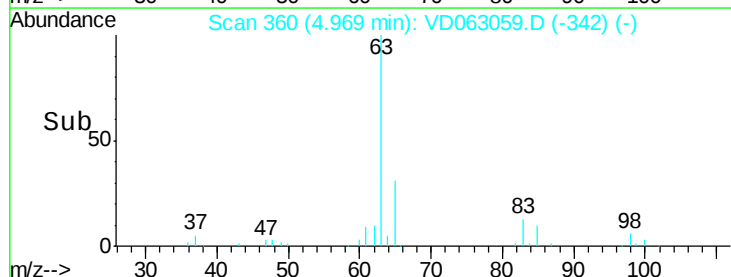
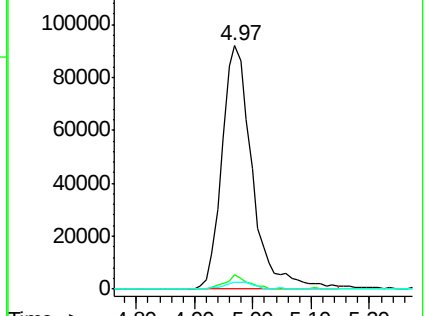
100 2.9 1.7 5.1

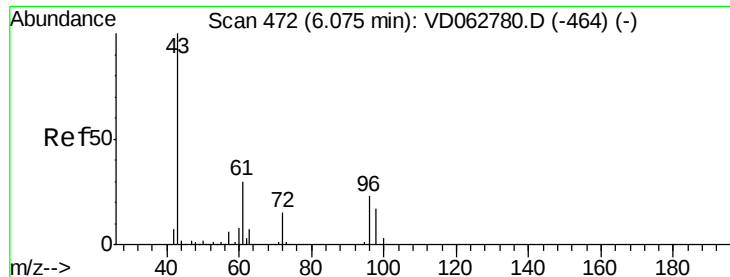


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 115.187 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

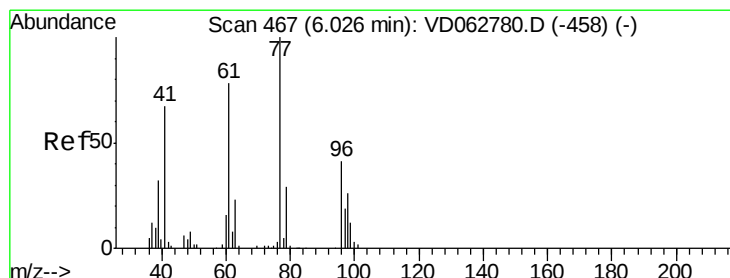
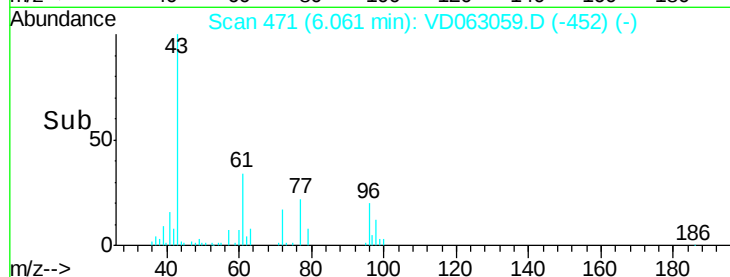
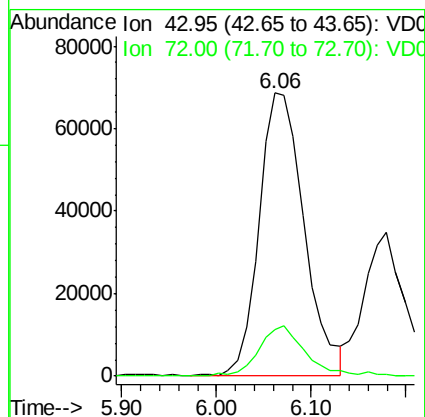
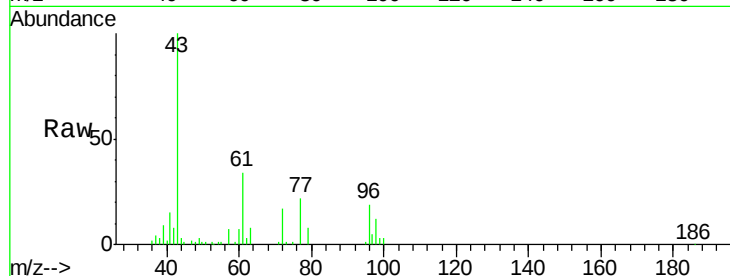
VD0710SBS01

Tot Ion: 43 Resp: 227707

Ion Ratio Lower Upper

43 100

72 16.7 11.9 17.9



#26

2,2-Dichloropropane

Concen: 21.903 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD063059.D

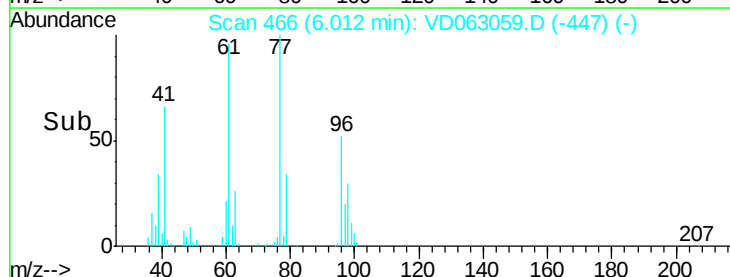
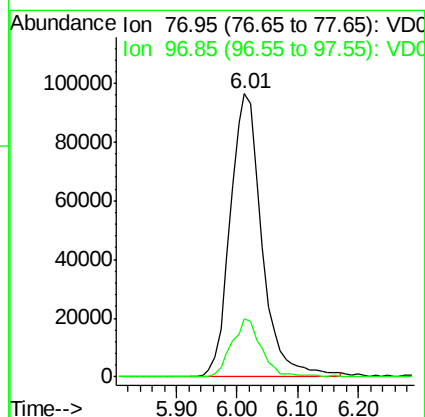
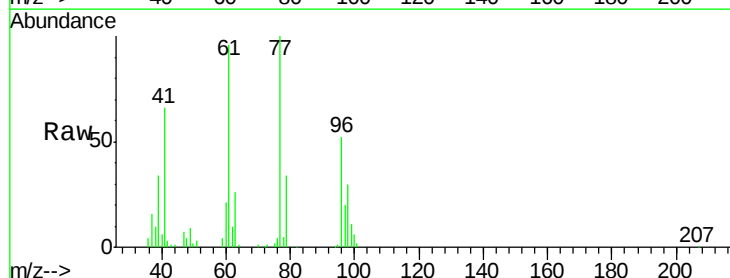
Acq: 10 Jul 2019 15:49

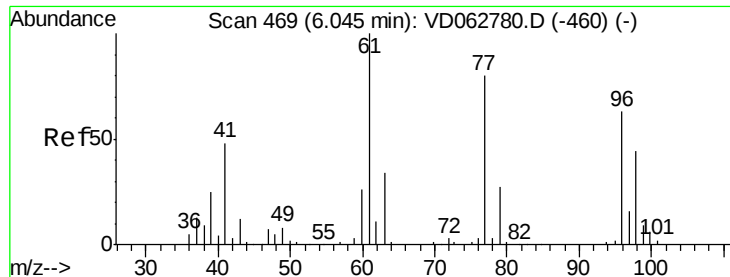
Tgt Ion: 77 Resp: 350516

Ion Ratio Lower Upper

77 100

97 20.5 9.5 28.5



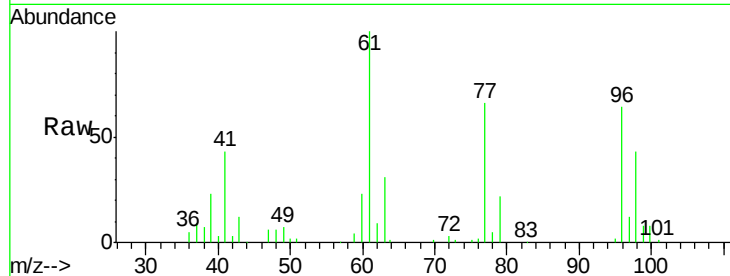


#27

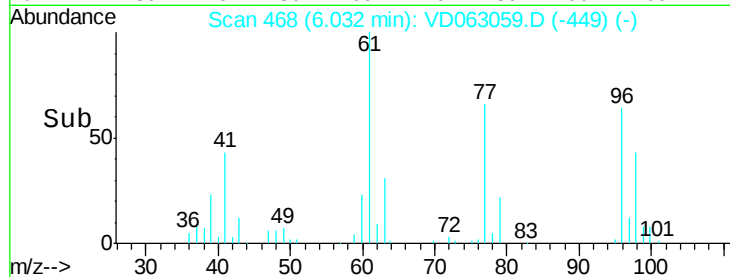
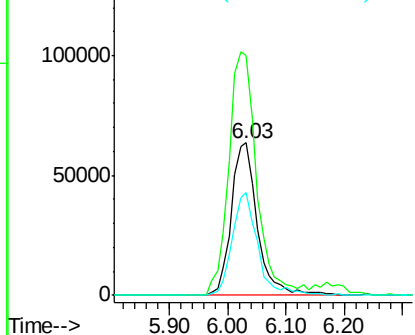
cis-1,2-Dichloroethene
 Concen: 22.789 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBSD01

Tot Ion	96	Resp	198025
Ion Ratio	Lower	Upper	
96	100		
61	157.4	0.0	316.0
98	67.1	0.0	138.4



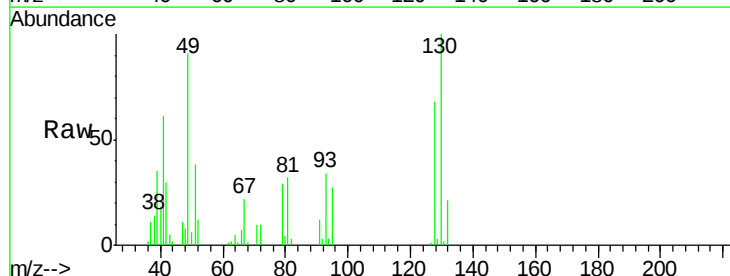
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



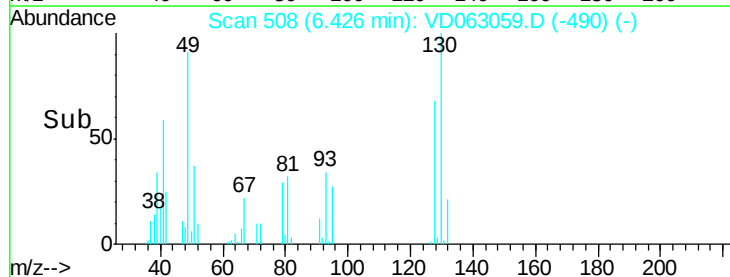
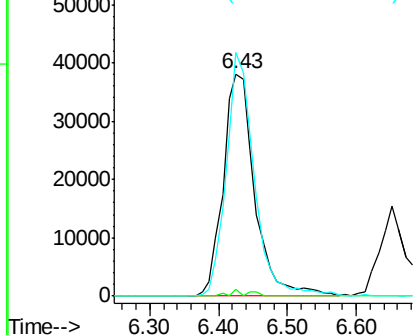
#28

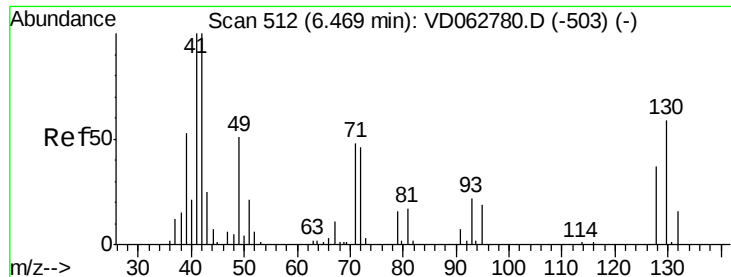
Bromochloromethane
 Concen: 22.647 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

Tgt Ion	49	Resp	120428
Ion Ratio	Lower	Upper	
49	100		
129	2.9	0.0	5.6
130	109.6	76.6	114.8



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





#29

Tetrahydrofuran

Concen: 115.437 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

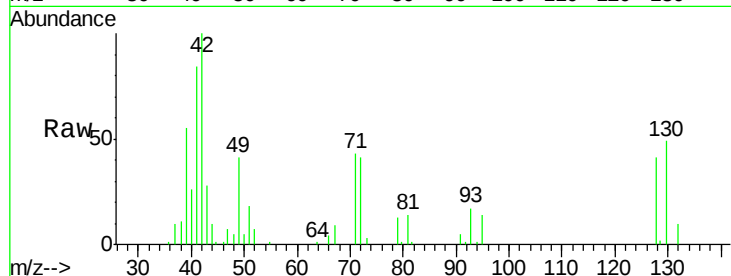
Tot Ion: 42 Resp: 107971

Ion Ratio Lower Upper

42 100

72 42.9 35.0 52.6

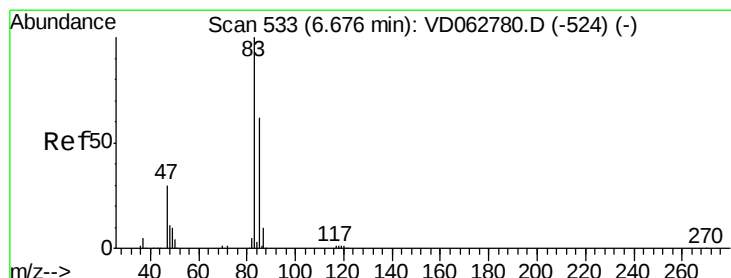
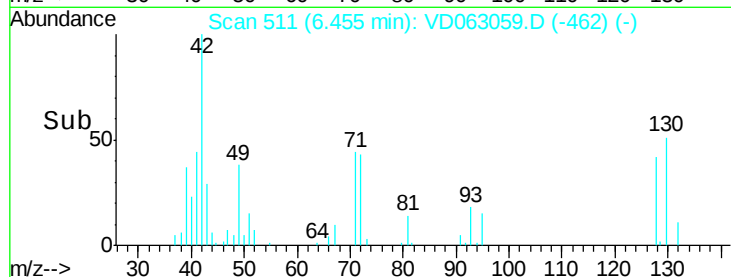
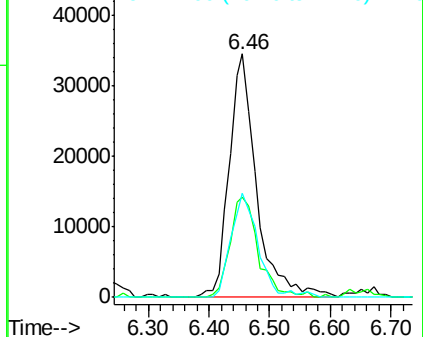
71 41.1 33.3 49.9



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 22.852 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.02 min

Lab File: VD063059.D

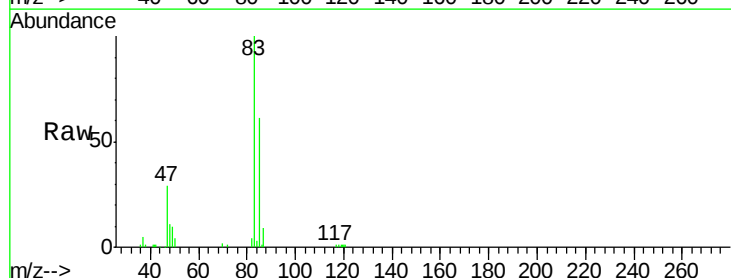
Acq: 10 Jul 2019 15:49

Tgt Ion: 83 Resp: 419606

Ion Ratio Lower Upper

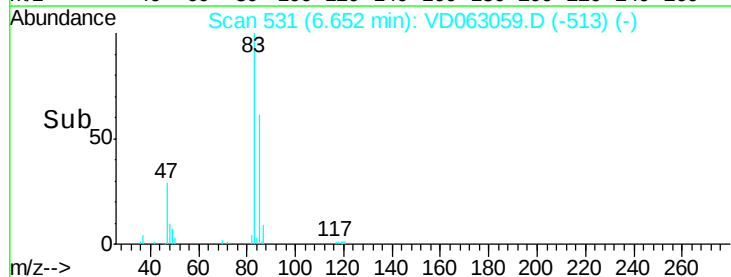
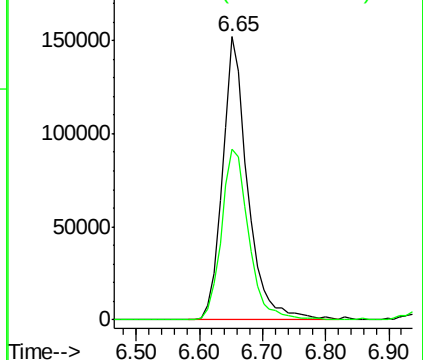
83 100

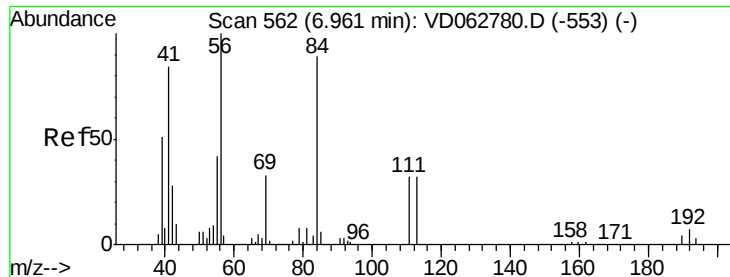
85 60.5 49.8 74.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

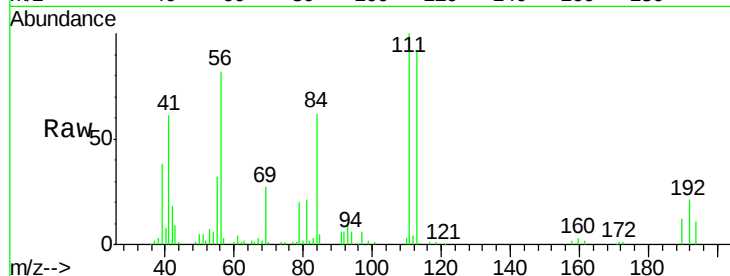




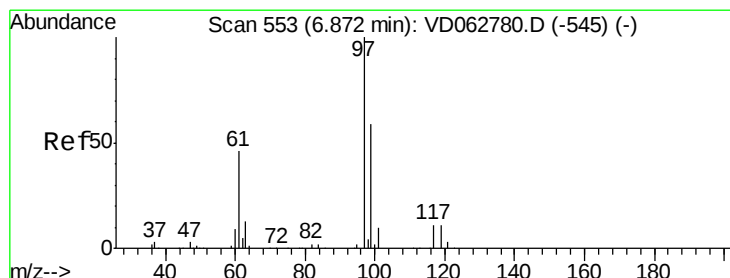
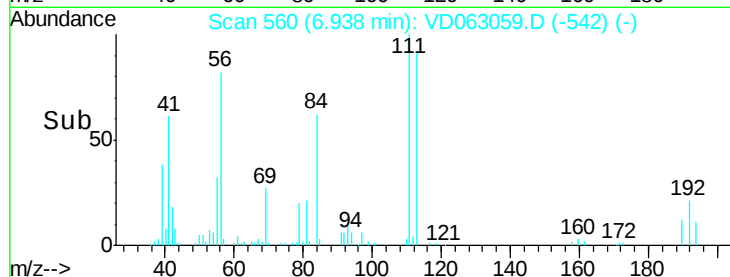
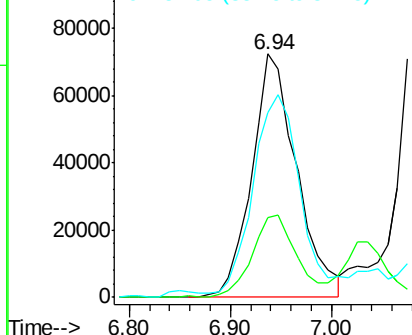
#31
Cyclohexane
Concen: 22.550 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

Instrument :
MSVOA_D
ClientSampleId :
VD0710SBSD01

Tot Ion: 56 Resp: 223824
Ion Ratio Lower Upper
56 100
69 32.6 26.6 39.8
84 76.0 75.5 113.3

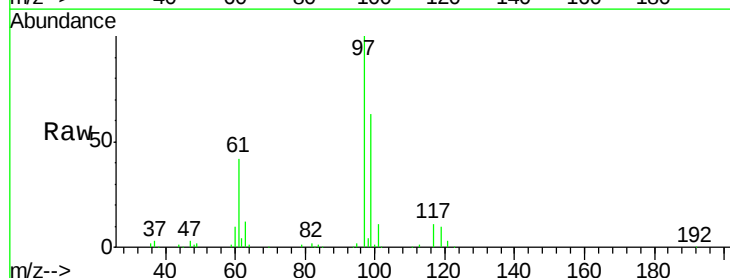


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

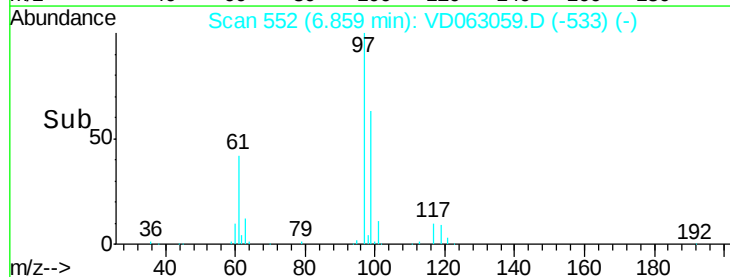
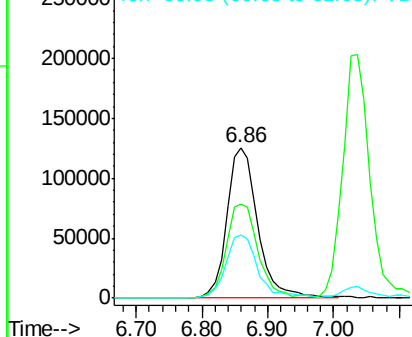


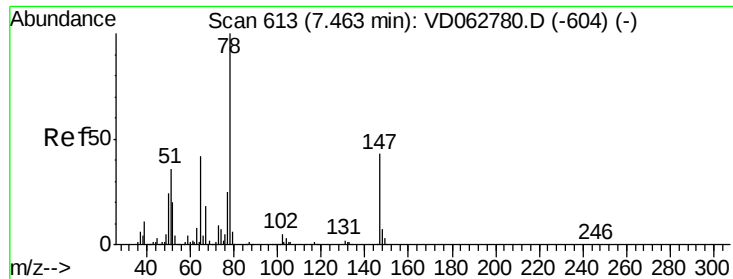
#32
1,1,1-Trichloroethane
Concen: 21.537 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

Tgt Ion: 97 Resp: 411895
Ion Ratio Lower Upper
97 100
99 62.6 47.4 71.2
61 42.0 37.2 55.8



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





#33

1,2-Dichloroethane-d4

Concen: 42.649 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

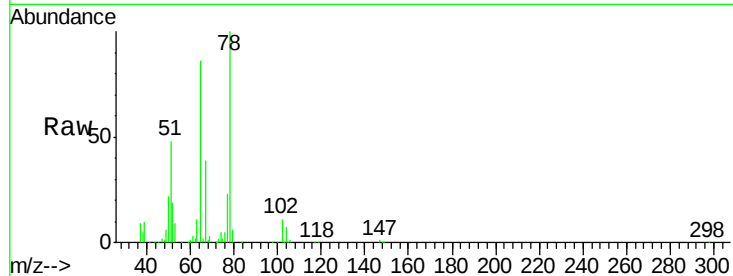
VD0710SBS01

Tot Ion: 65 Resp: 450791

Ion Ratio Lower Upper

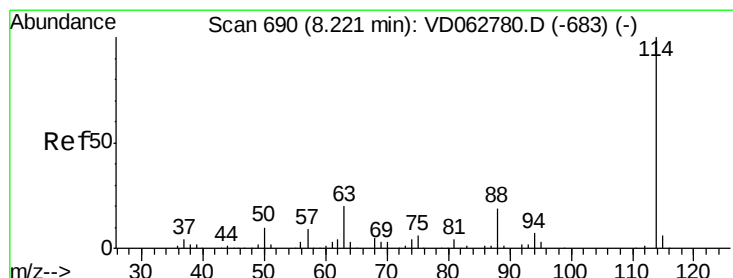
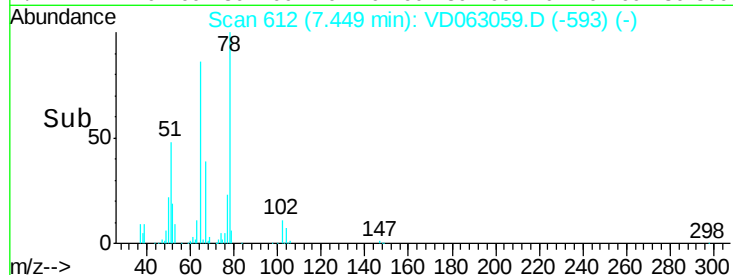
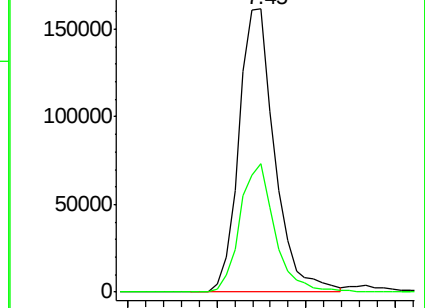
65 100

67 45.4 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

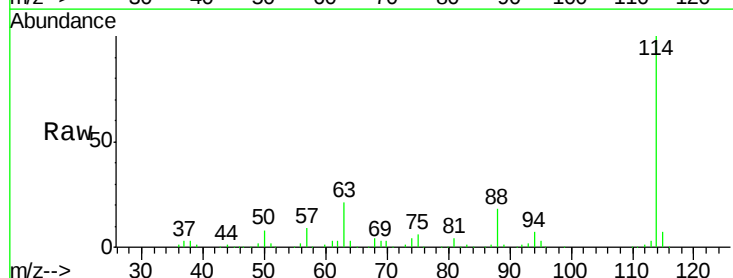
Tgt Ion: 114 Resp: 1294918

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

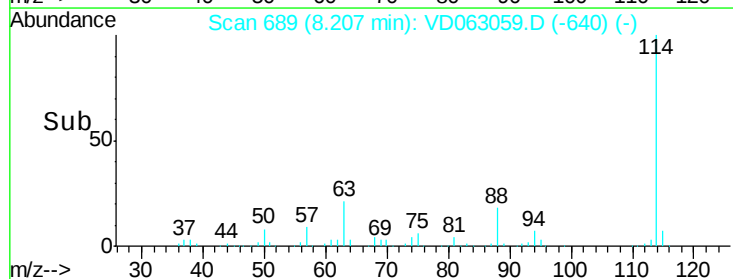
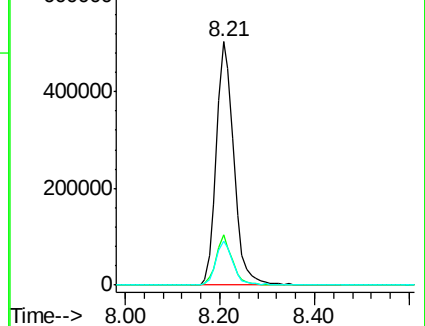
88 18.3 0.0 38.8

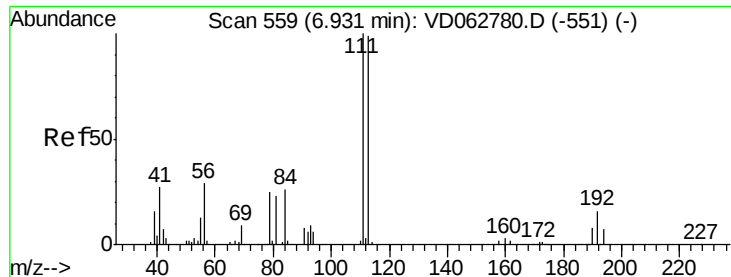


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 46.206 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBSD01

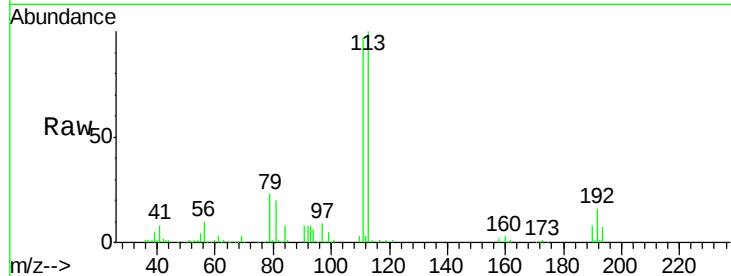
Tot Ion:113 Resp: 504505

Ion Ratio Lower Upper

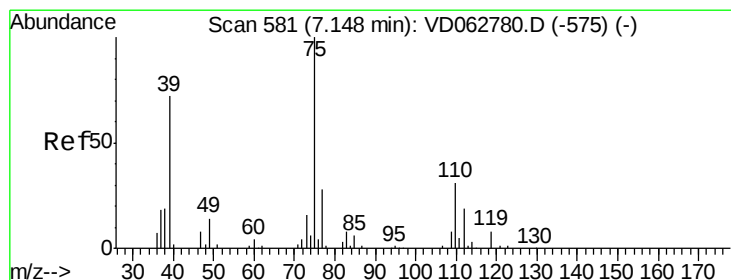
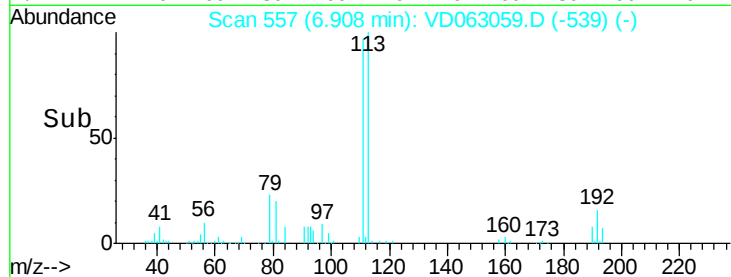
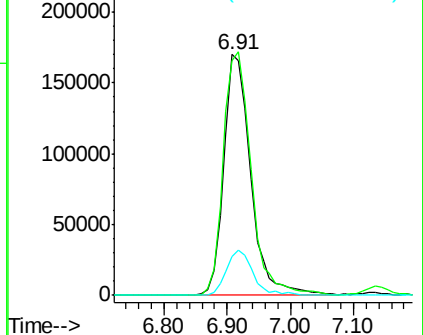
113 100

111 97.4 81.2 121.8

192 16.1 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: 22.617 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

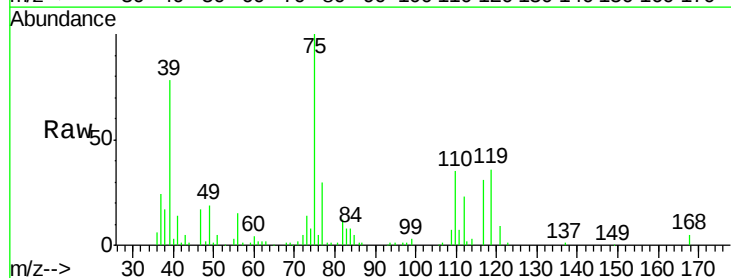
Tgt Ion: 75 Resp: 277245

Ion Ratio Lower Upper

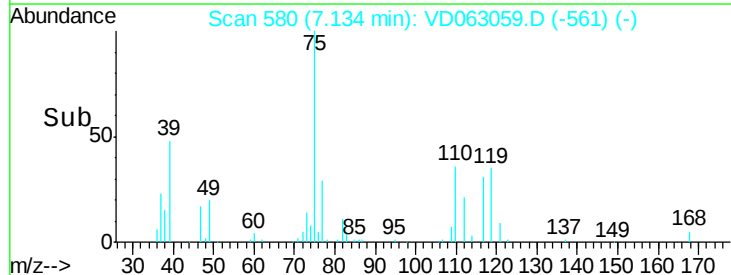
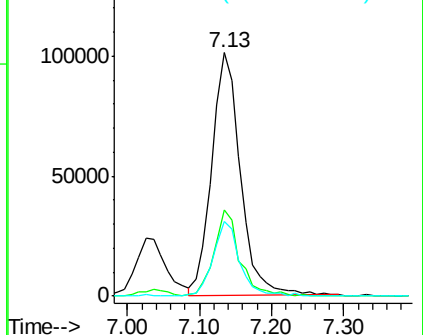
75 100

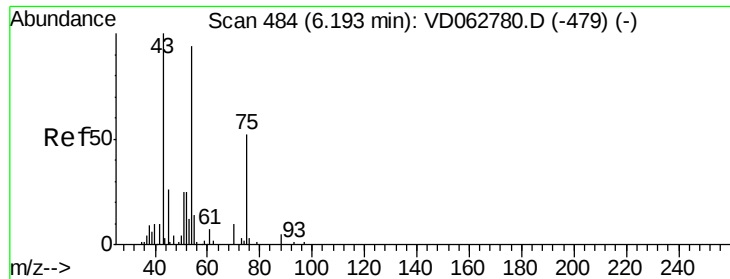
110 35.4 15.0 45.1

77 30.4 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

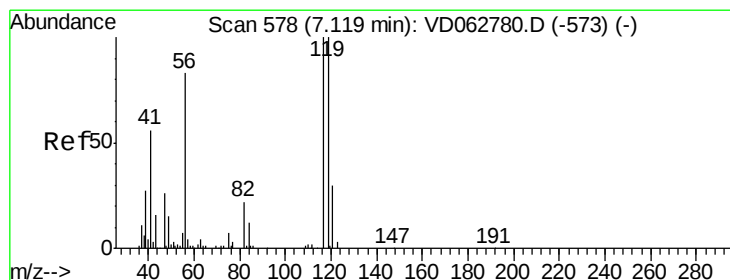
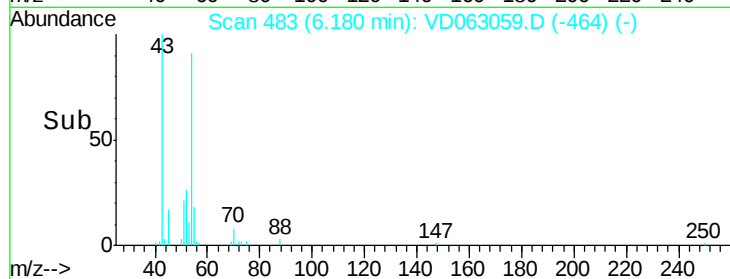
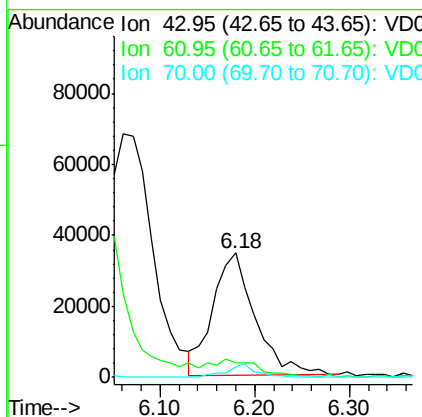
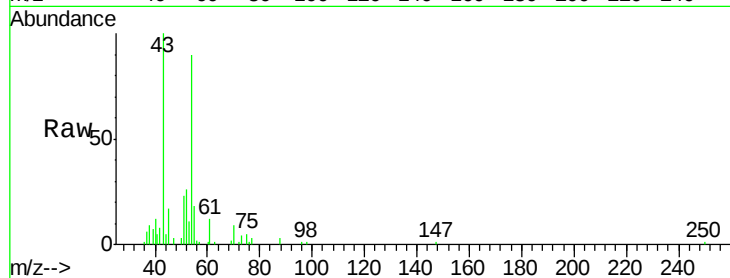




#37
Ethyl Acetate
Concen: 19.878 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

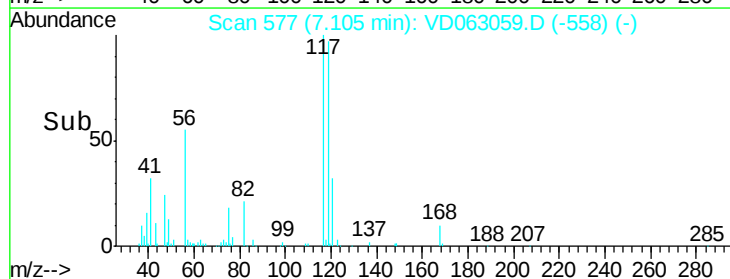
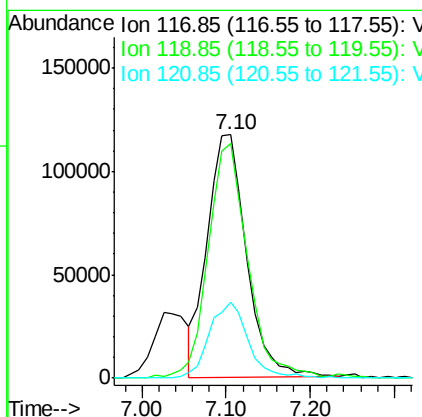
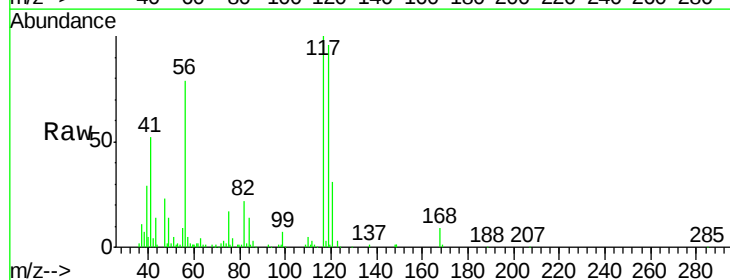
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

Tot Ion: 43 Resp: 105774
Ion Ratio Lower Upper
43 100
61 11.6 11.6 17.4
70 8.7 6.4 9.6



#38
Carbon Tetrachloride
Concen: 20.520 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

Tgt Ion: 117 Resp: 378300
Ion Ratio Lower Upper
117 100
119 96.4 75.4 113.2
121 31.0 22.3 33.5





#39

Methvlcvclohexane

Concen: 23.012 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBSD01

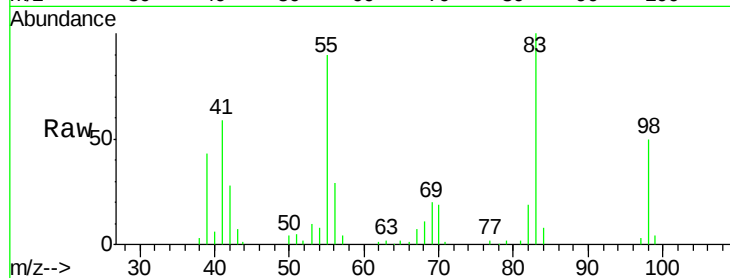
Tot Ion: 83 Resp: 248303

Ion Ratio Lower Upper

83 100

55 90.4 76.6 115.0

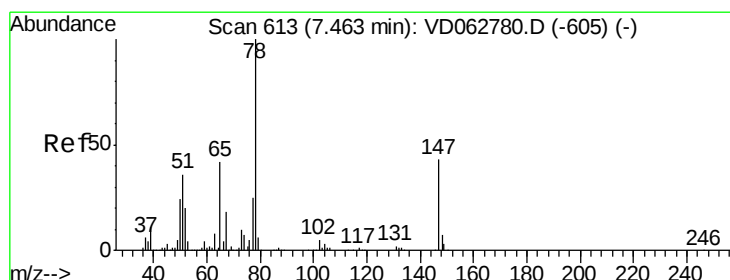
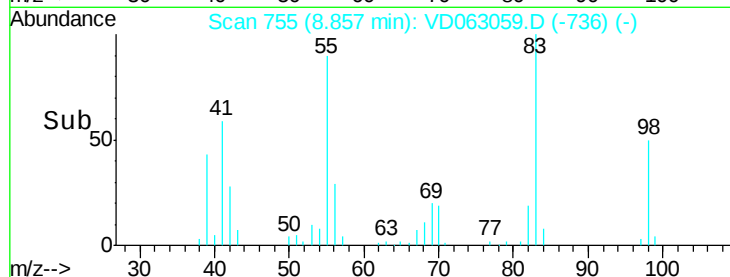
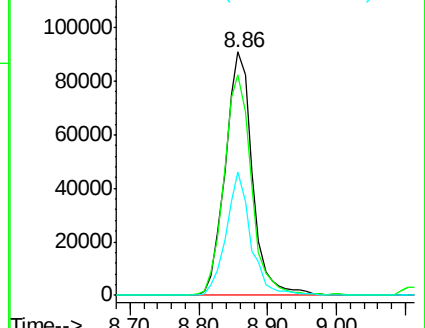
98 50.4 35.7 53.5



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: 23.342 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD063059.D

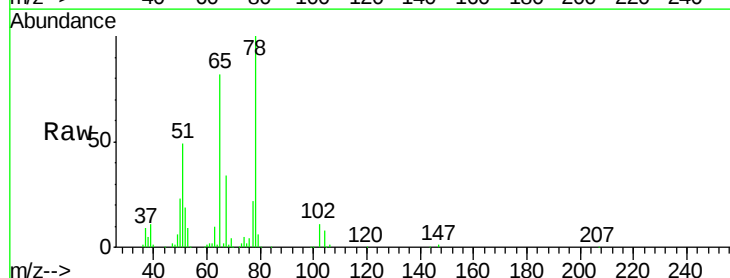
Acq: 10 Jul 2019 15:49

Tgt Ion: 78 Resp: 574355

Ion Ratio Lower Upper

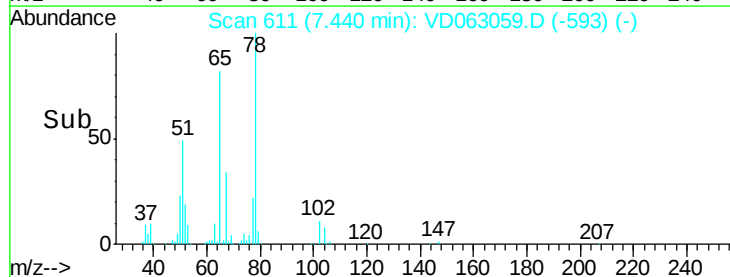
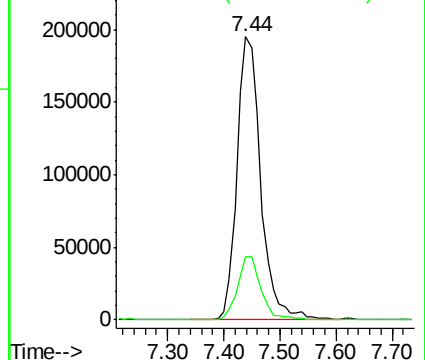
78 100

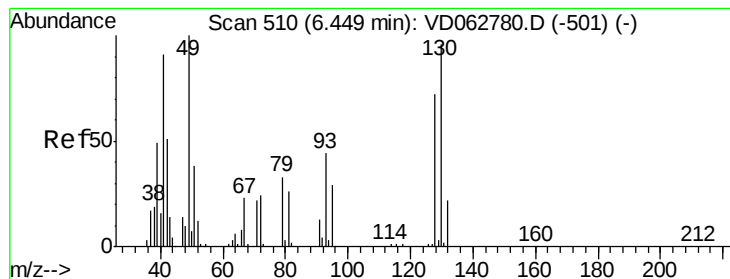
77 22.5 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 20.920 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

Tot Ion: 41 Resp: 135237

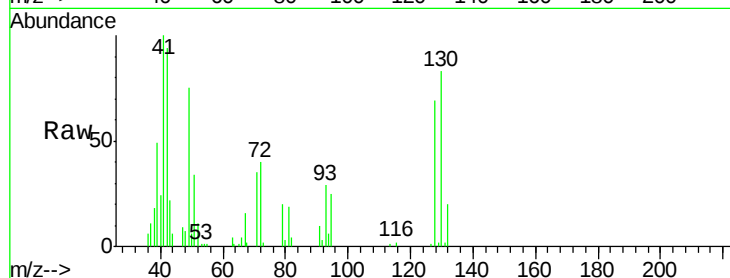
Ion Ratio Lower Upper

41 100

39 49.3 43.2 64.8

67 15.5 19.9 29.9#

52 11.1 10.2 15.4

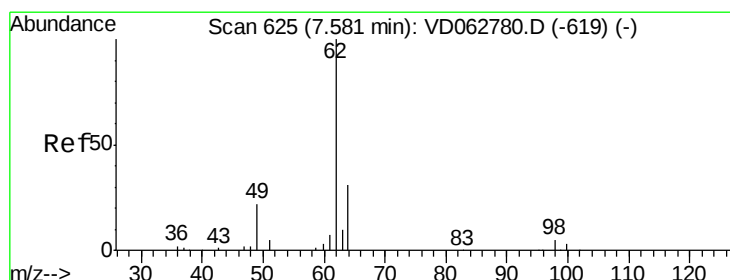
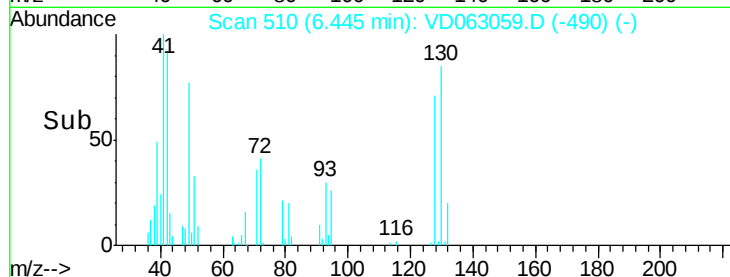
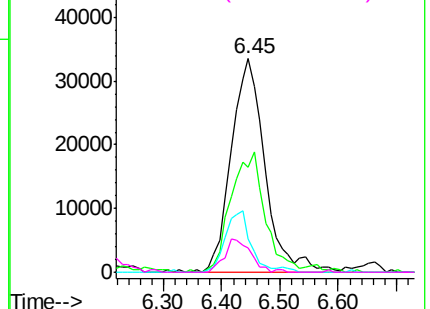


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.541 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.01 min

Lab File: VD063059.D

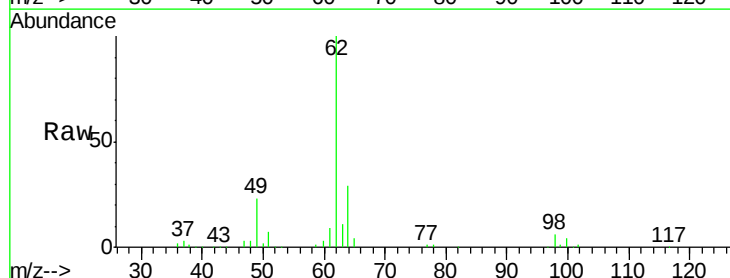
Acq: 10 Jul 2019 15:49

Tgt Ion: 62 Resp: 289151

Ion Ratio Lower Upper

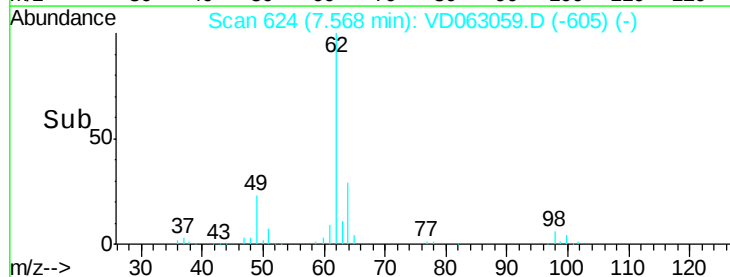
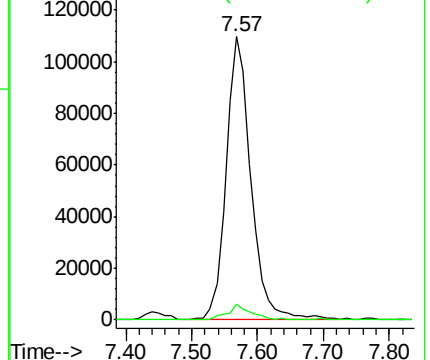
62 100

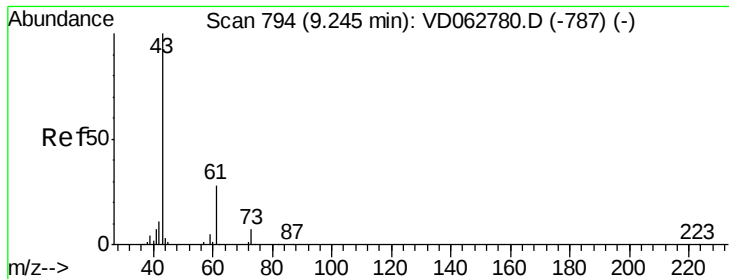
98 5.7 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



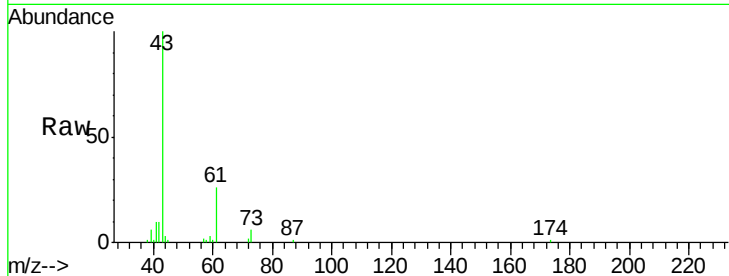


#43

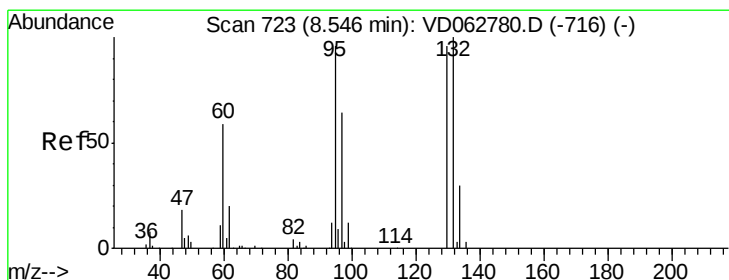
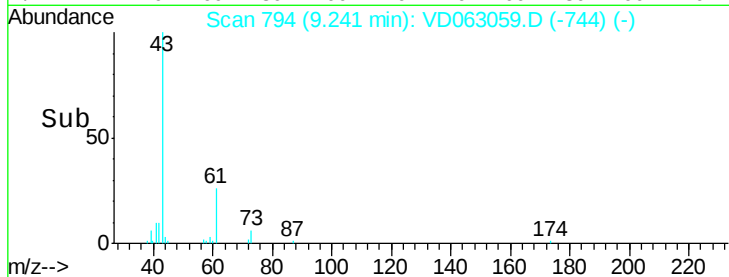
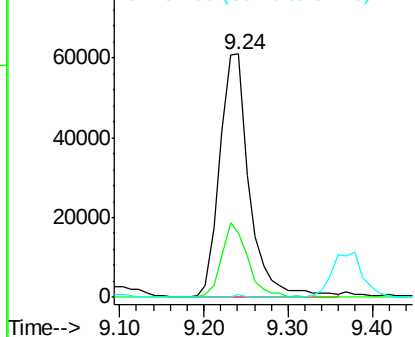
Isopropyl Acetate
 Concen: 23.360 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBS01

Tot Ion: 43 Resp: 150122
 Ion Ratio Lower Upper
 43 100
 61 26.4 22.4 33.6
 87 1.2 0.3 0.5#



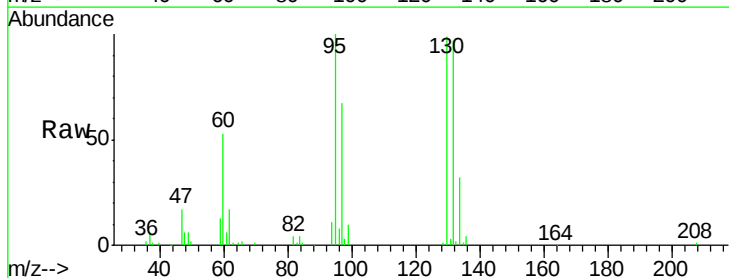
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



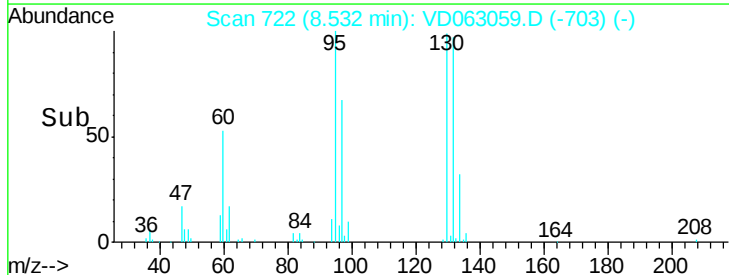
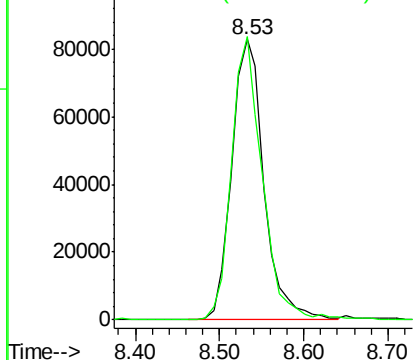
#44

Trichloroethene
 Concen: 22.762 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

Tgt Ion: 130 Resp: 219579
 Ion Ratio Lower Upper
 130 100
 95 100.8 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: 23.523 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

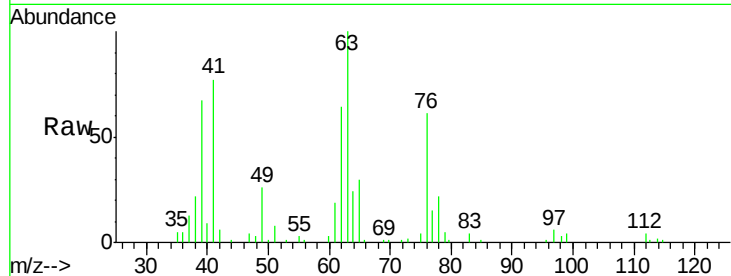
VD0710SBSD01

Tot Ion: 63 Resp: 143923

Ion Ratio Lower Upper

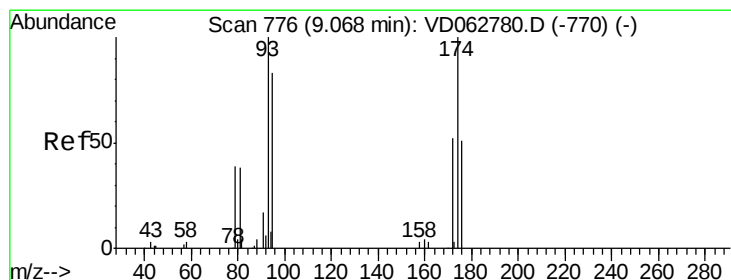
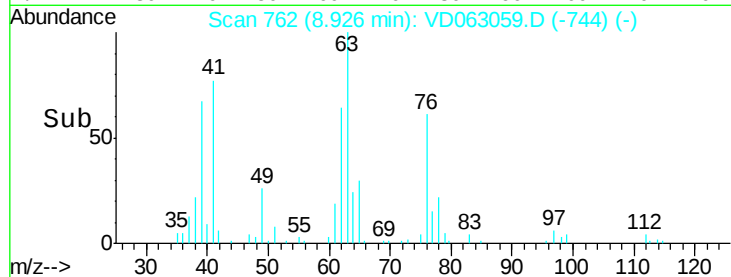
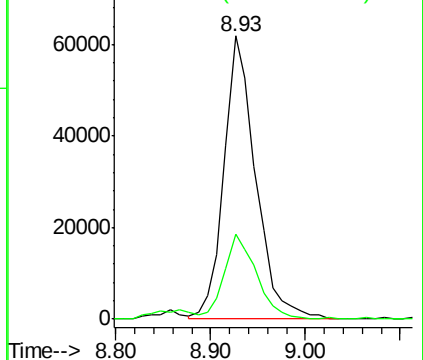
63 100

65 30.0 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: 22.354 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

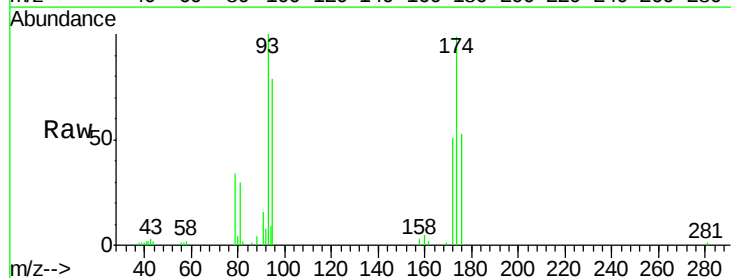
Tgt Ion: 93 Resp: 117488

Ion Ratio Lower Upper

93 100

95 79.4 66.6 100.0

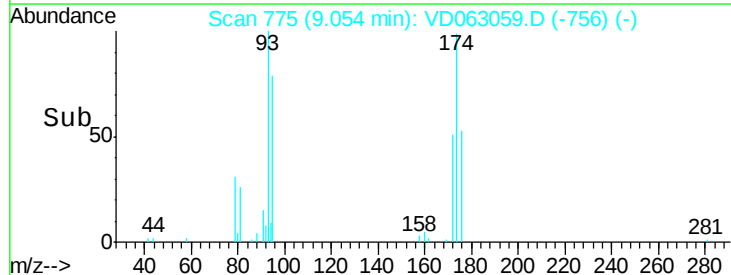
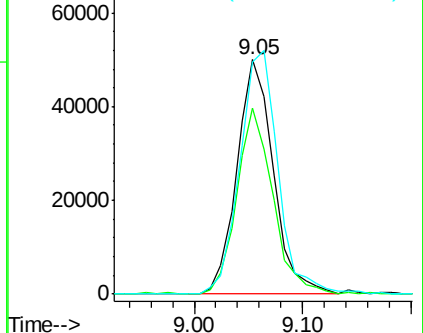
174 99.2 79.7 119.5

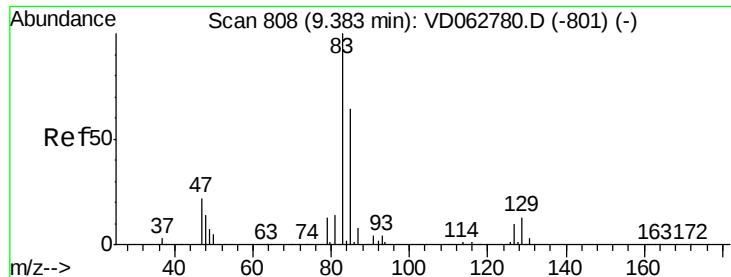


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.399 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBSD01

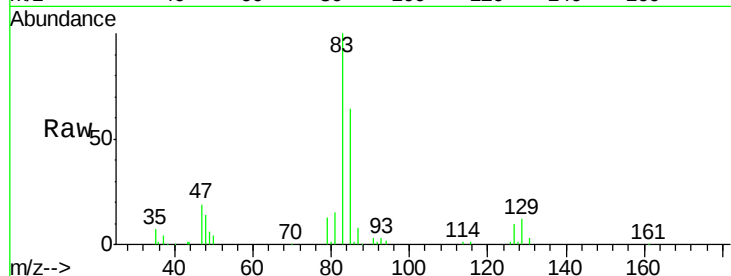
Tot Ion: 83 Resp: 305741

Ion Ratio Lower Upper

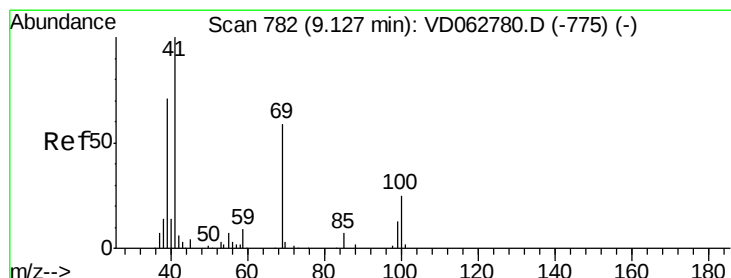
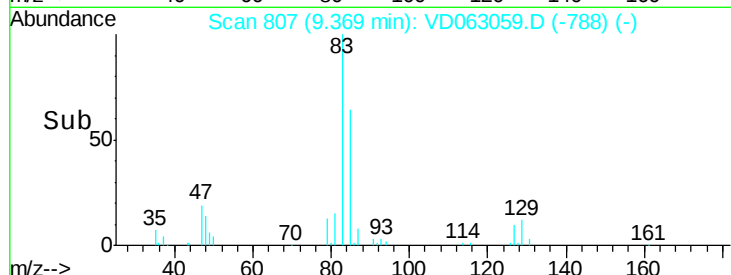
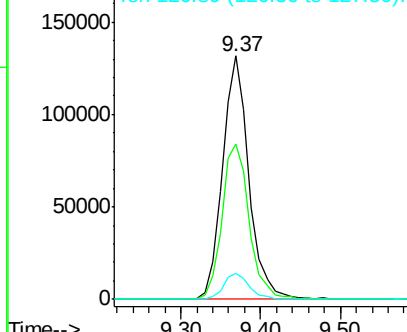
83 100

85 63.8 51.6 77.4

127 10.4 7.8 11.6



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



#48

Methyl methacrylate

Concen: 21.506 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

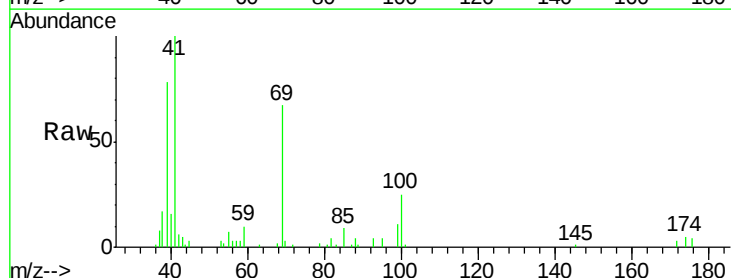
Tgt Ion: 41 Resp: 98215

Ion Ratio Lower Upper

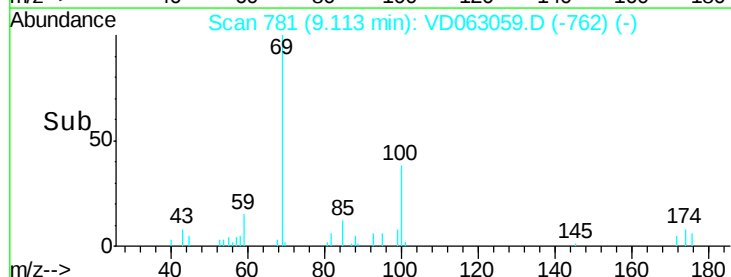
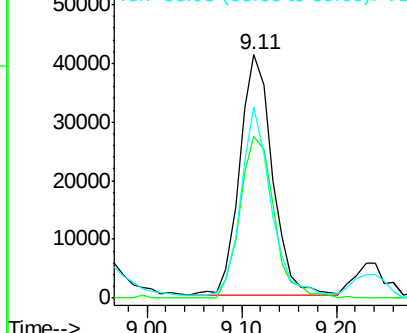
41 100

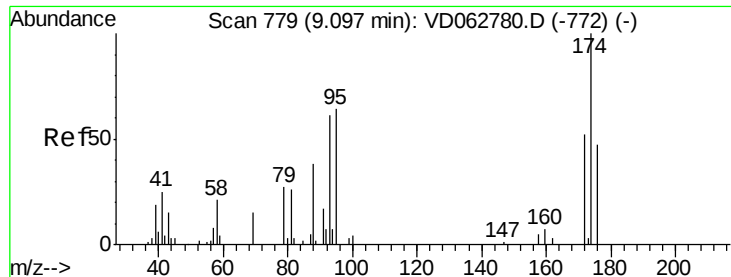
69 66.6 47.2 70.8

39 78.4 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: 439.108 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.02 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

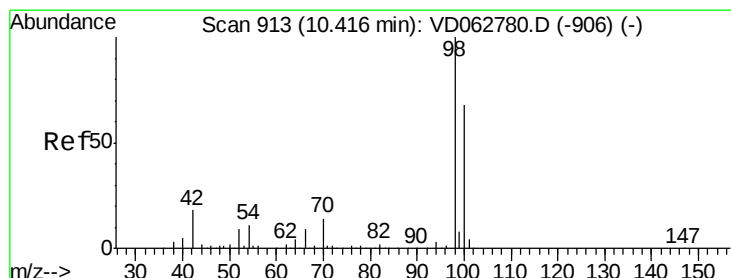
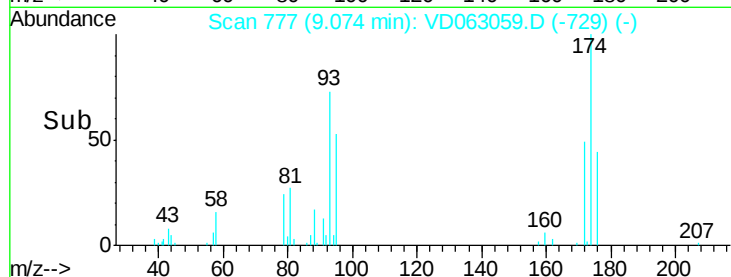
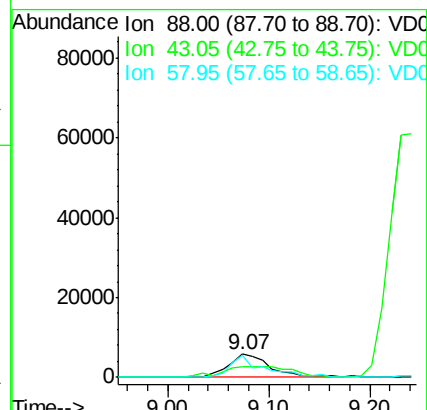
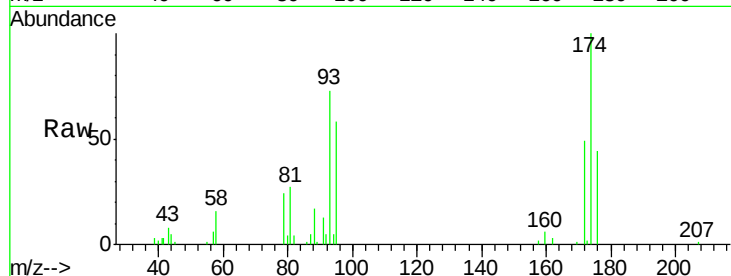
Tot Ion: 88 Resp: 16684

Ion Ratio Lower Upper

88 100

43 46.0 32.1 48.1

58 94.9 44.1 66.1#



#50

Toluene-d8

Concen: 44.460 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD063059.D

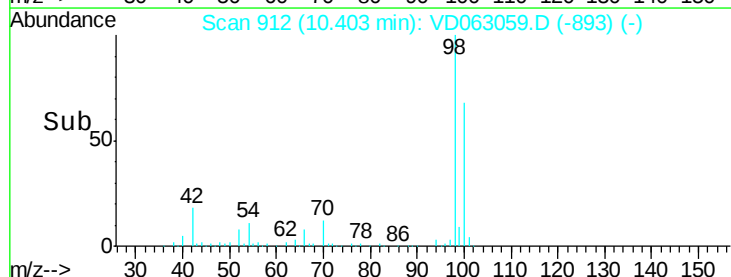
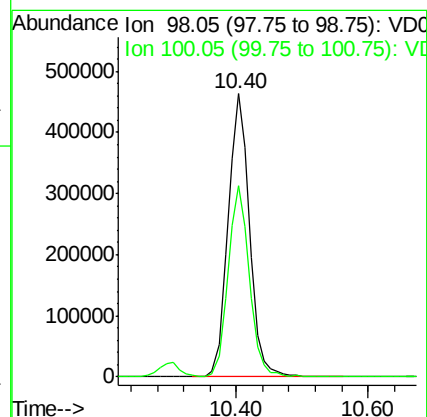
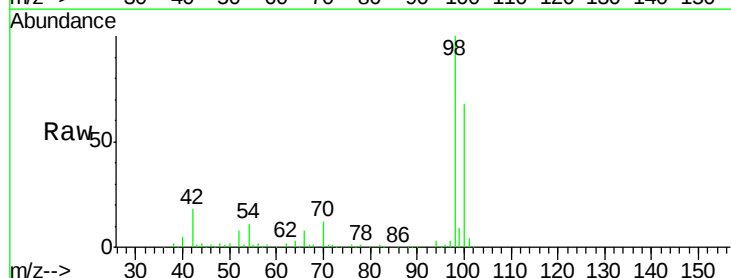
Acq: 10 Jul 2019 15:49

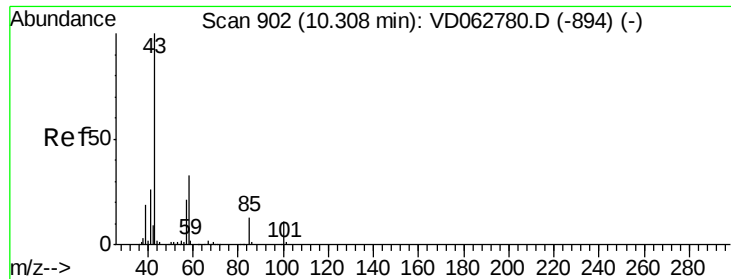
Tgt Ion: 98 Resp: 1056544

Ion Ratio Lower Upper

98 100

100 67.6 54.7 82.1

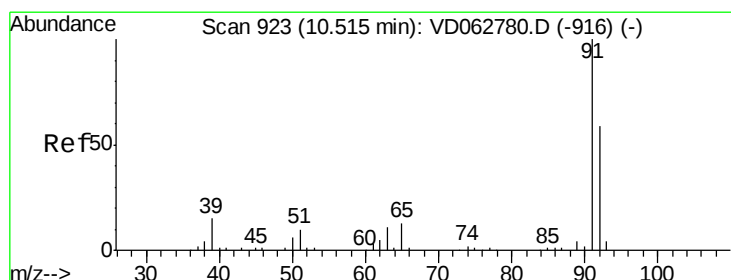
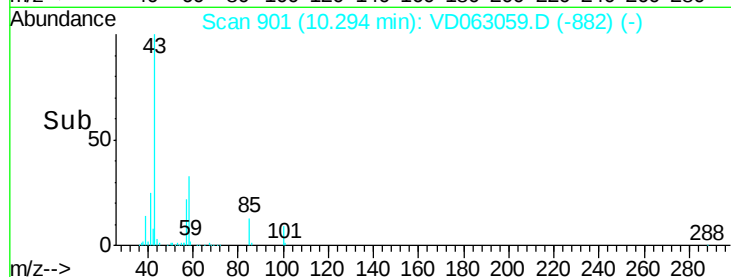
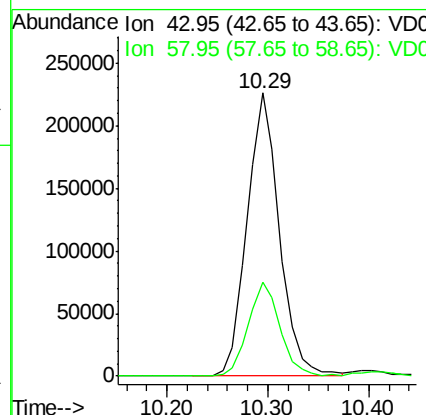
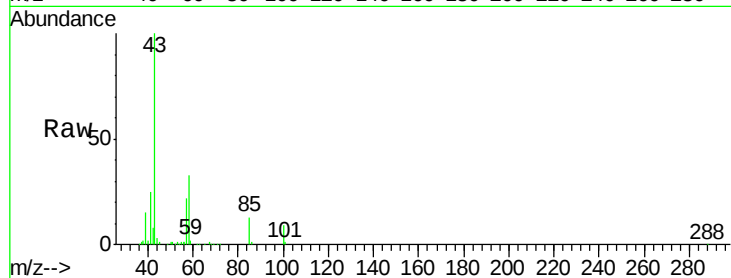




#51
4-Methyl-2-Pentanone
Concen: 110.774 ug/l
RT: 10.29 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

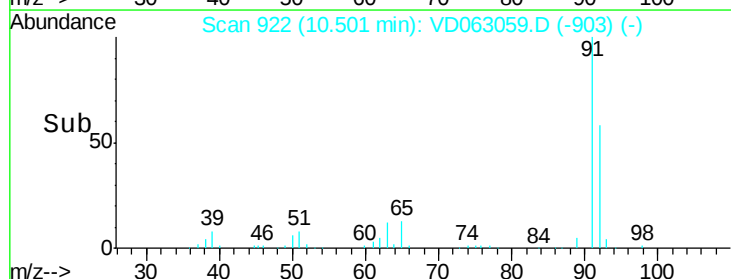
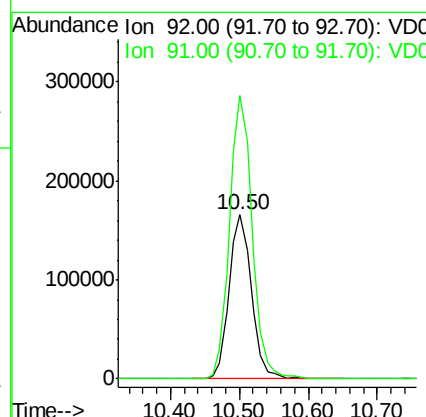
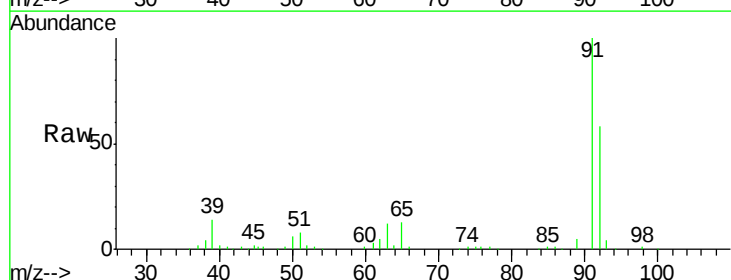
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBSD01

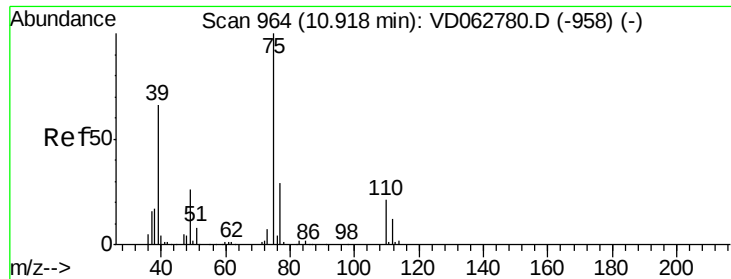
Tot Ion: 43 Resp: 504731
Ion Ratio Lower Upper
43 100
58 33.0 26.6 40.0



#52
Toluene
Concen: 22.680 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

Tgt Ion: 92 Resp: 375136
Ion Ratio Lower Upper
92 100
91 172.6 136.3 204.5

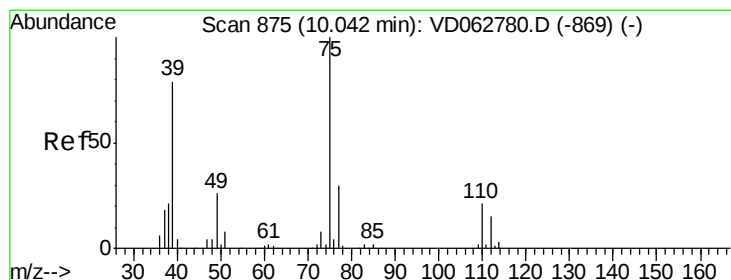
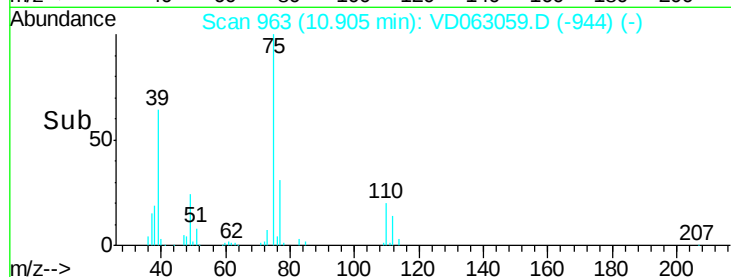
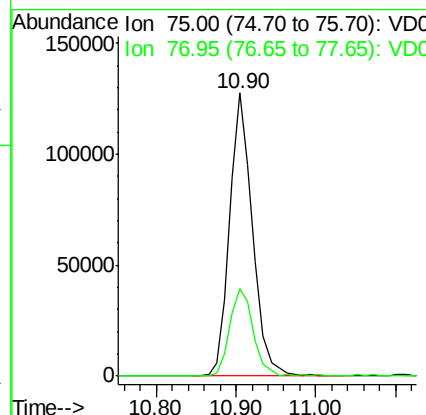
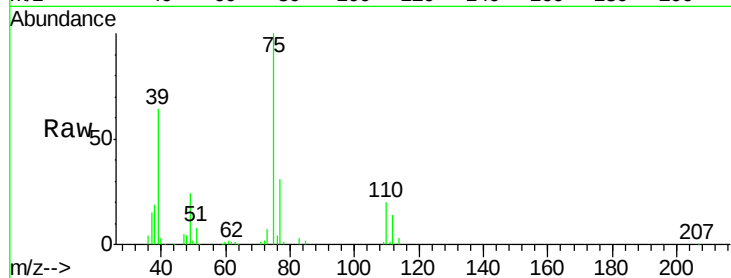




#53
t-1,3-Dichloropropene
Concen: 23.140 ug/l
RT: 10.90 min Scan# 963
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

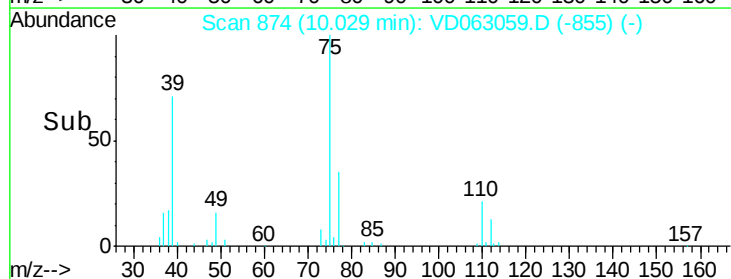
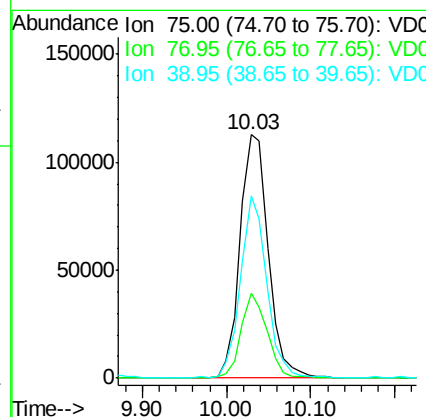
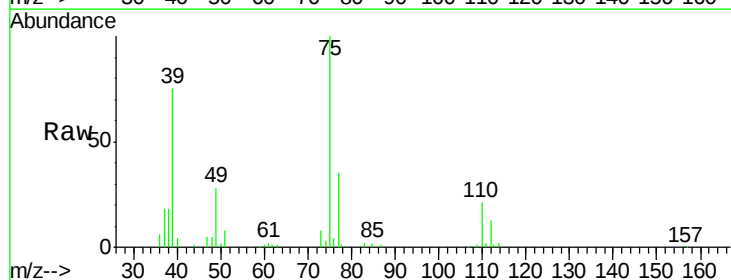
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBSD01

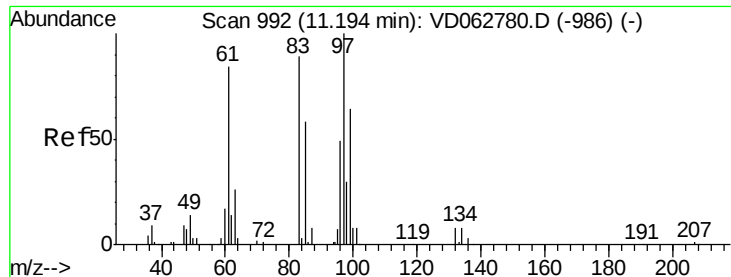
Tot Ion: 75 Resp: 258529
Ion Ratio Lower Upper
75 100
77 30.9 23.2 34.8



#54
cis-1,3-Dichloropropene
Concen: 21.714 ug/l
RT: 10.03 min Scan# 874
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

Tgt Ion: 75 Resp: 263684
Ion Ratio Lower Upper
75 100
77 34.6 24.2 36.2
39 74.7 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 21.560 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

Tot Ion: 97 Resp: 122518

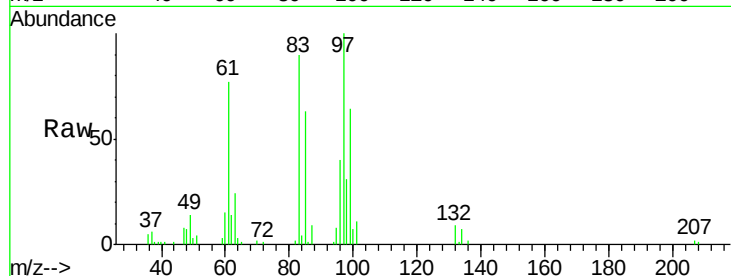
Ion Ratio Lower Upper

97 100

83 89.5 71.0 106.4

85 62.7 46.6 69.8

99 63.7 51.4 77.0

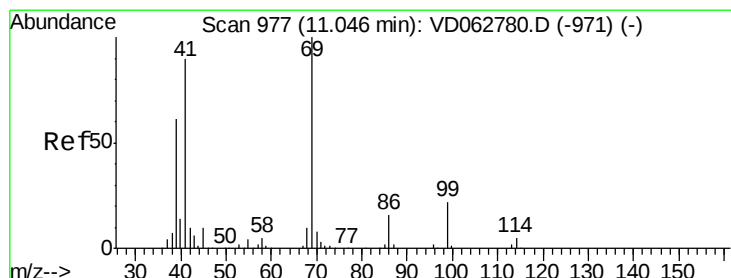
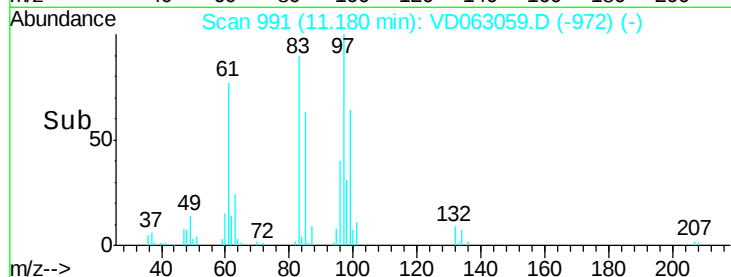
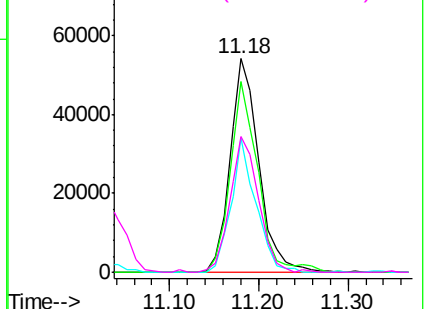


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 22.294 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

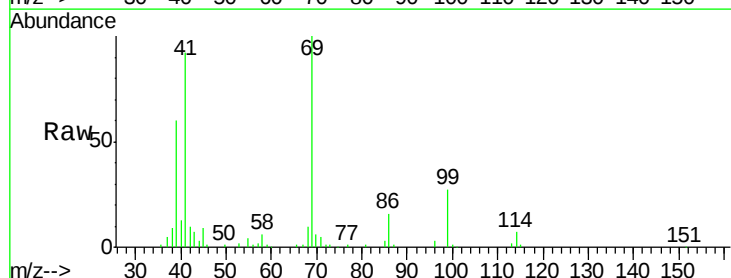
Tgt Ion: 69 Resp: 135391

Ion Ratio Lower Upper

69 100

41 92.1 72.0 108.0

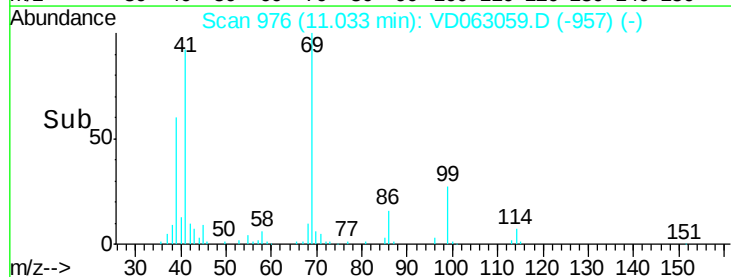
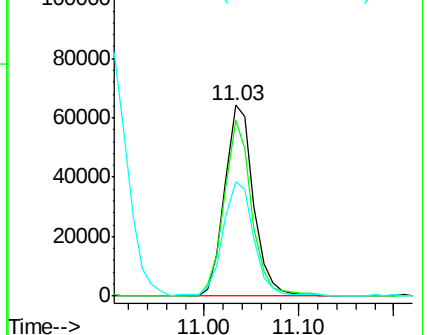
39 59.5 49.5 74.3

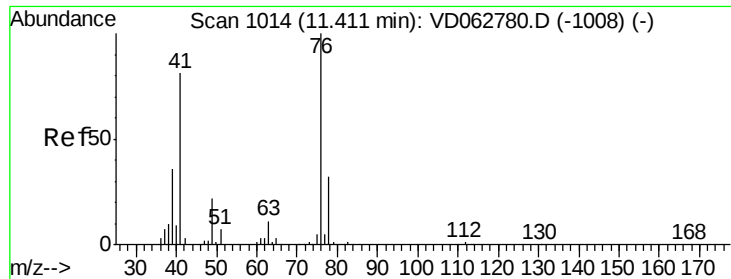


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

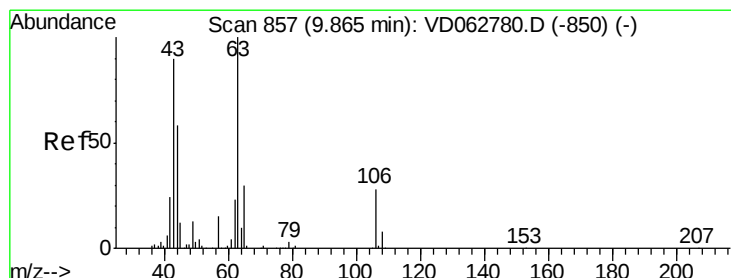
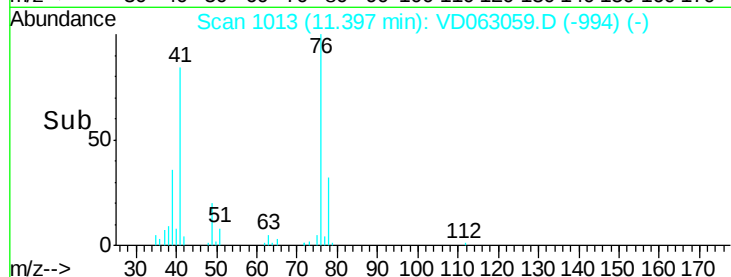
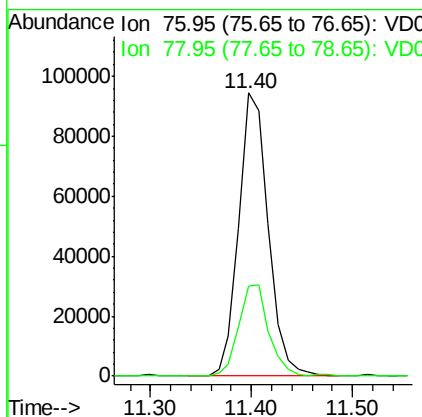
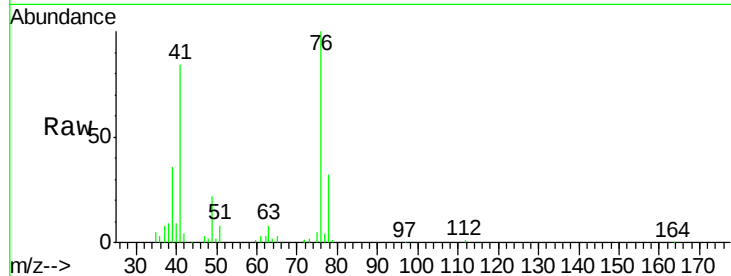




#57
 1,3-Dichloropropane
 Concen: 22.122 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

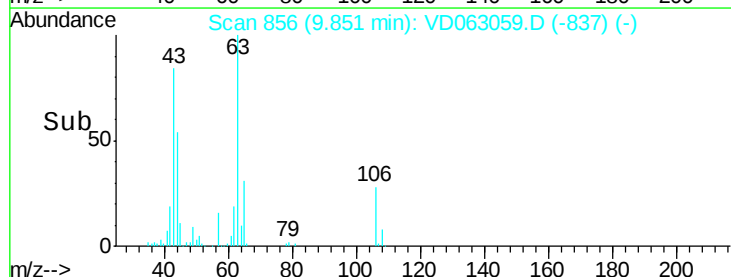
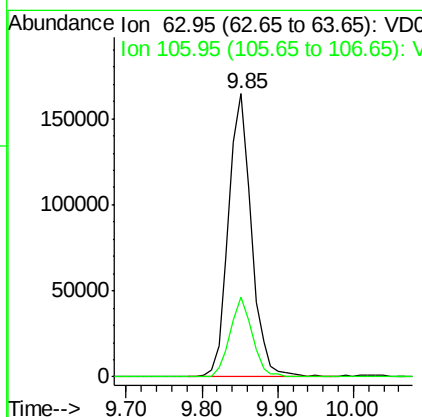
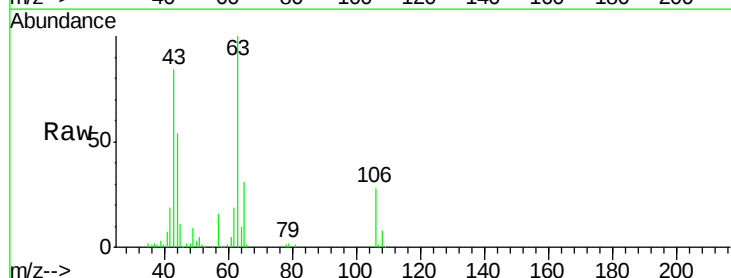
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBSD01

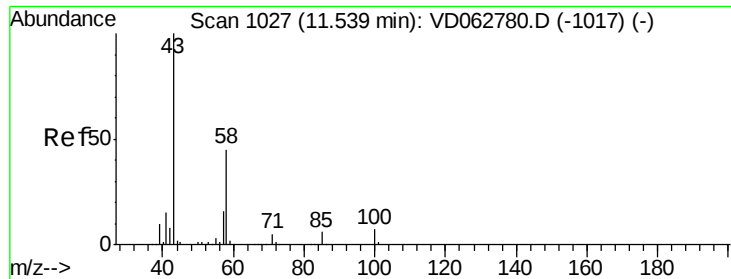
Tot Ion: 76 Resp: 192481
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.514 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

Tgt Ion: 63 Resp: 344553
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.1 33.1

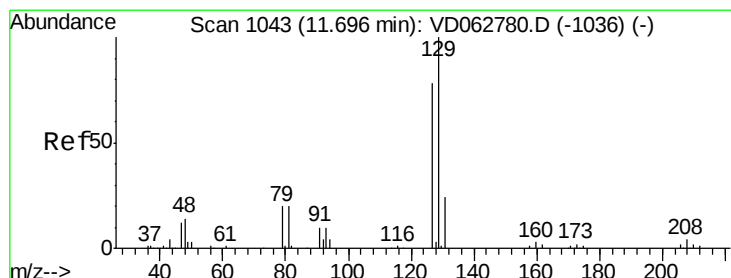
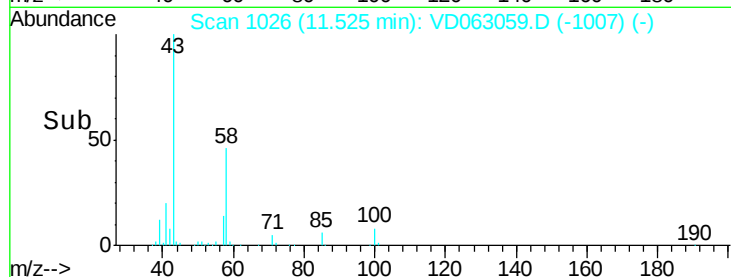
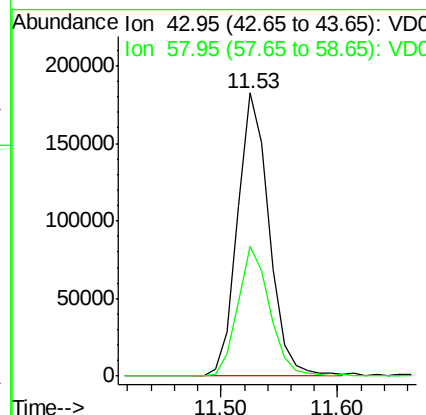
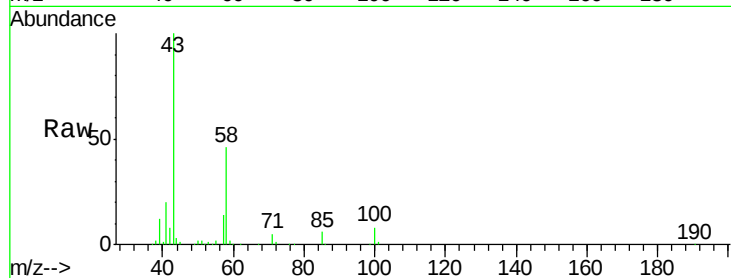




#59
2-Hexanone
Concen: 105.394 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

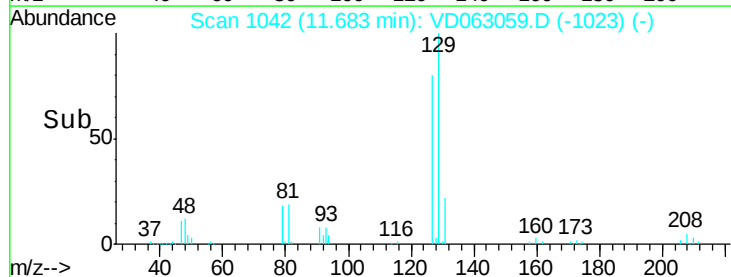
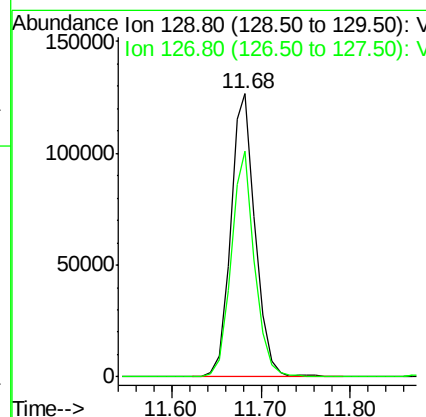
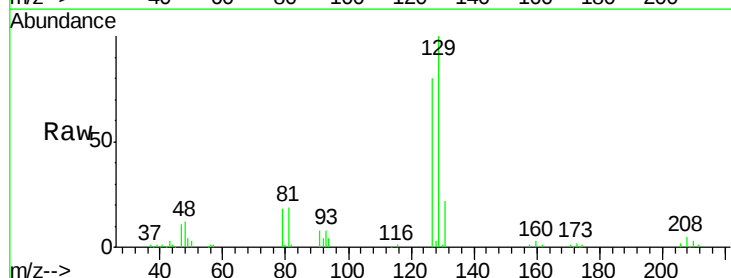
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBSD01

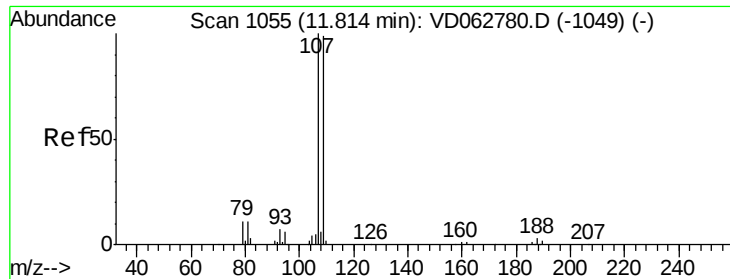
Tot Ion: 43 Resp: 342006
Ion Ratio Lower Upper
43 100
58 45.9 22.4 67.2



#60
Dibromochloromethane
Concen: 23.104 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

Tgt Ion: 129 Resp: 244551
Ion Ratio Lower Upper
129 100
127 79.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 21.688 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

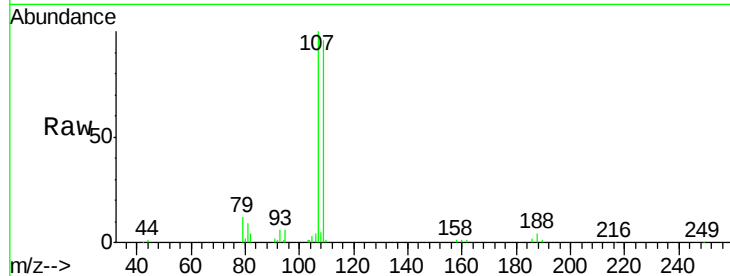
VD0710SBSD01

Tot Ion:107 Resp: 145560

Ion Ratio Lower Upper

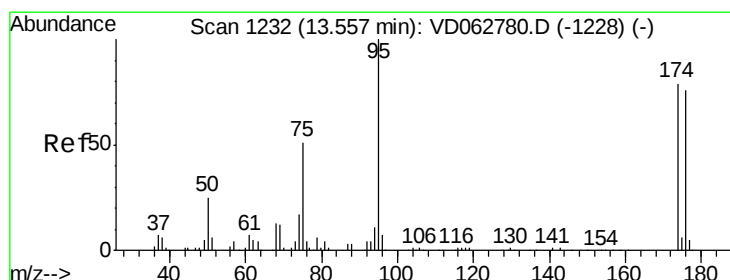
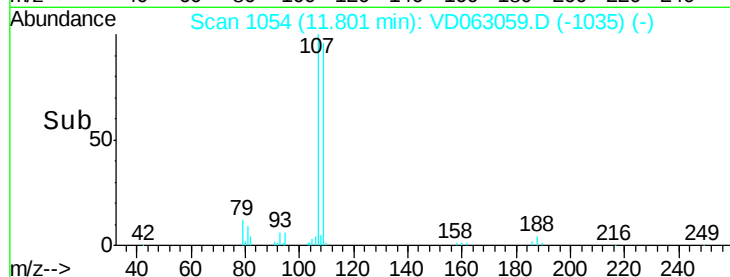
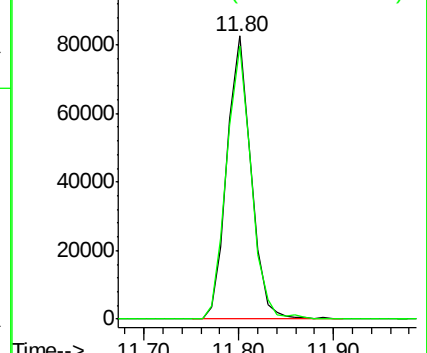
107 100

109 96.3 79.3 118.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 47.118 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

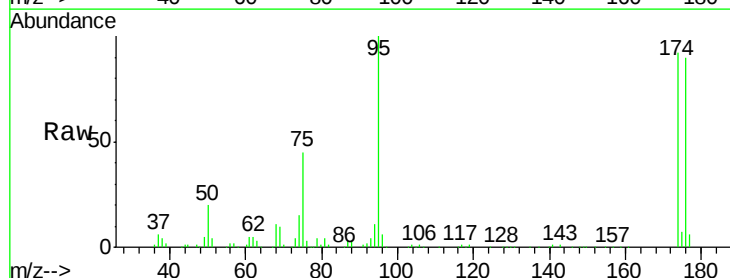
Tgt Ion: 95 Resp: 509144

Ion Ratio Lower Upper

95 100

174 91.7 0.0 158.0

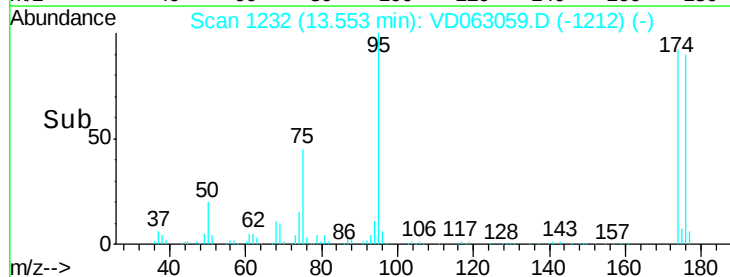
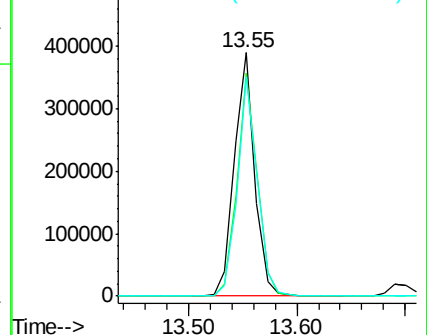
176 90.1 0.0 151.6

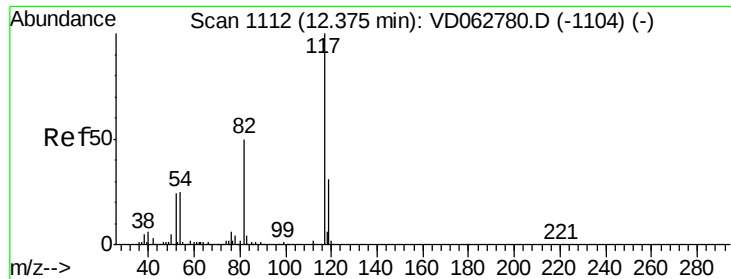


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

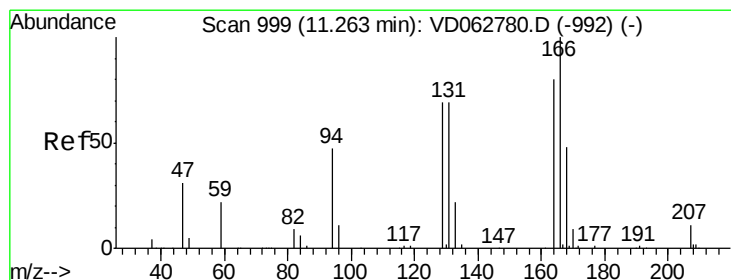
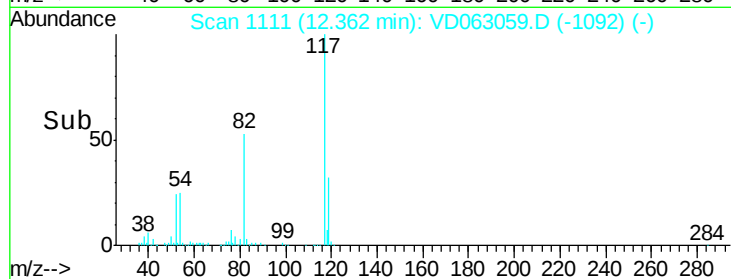
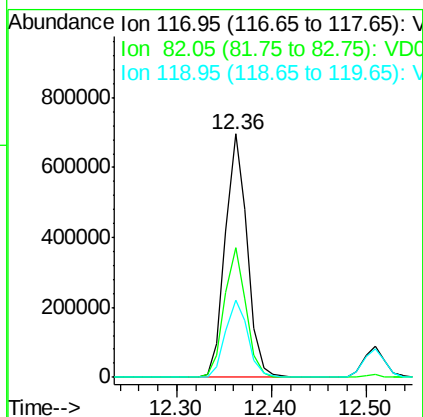
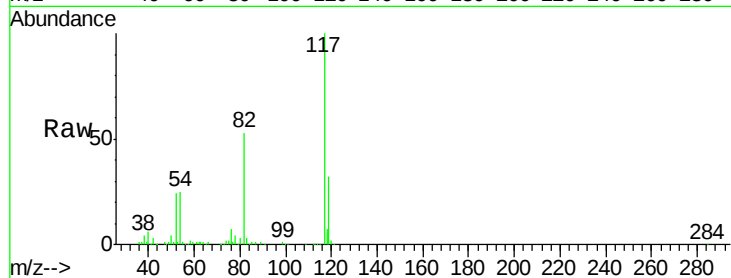




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

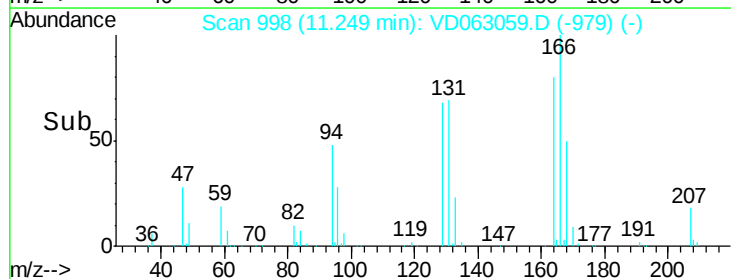
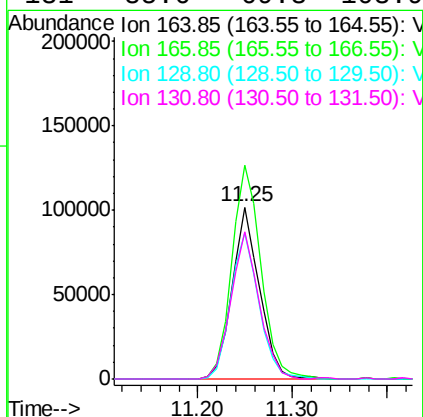
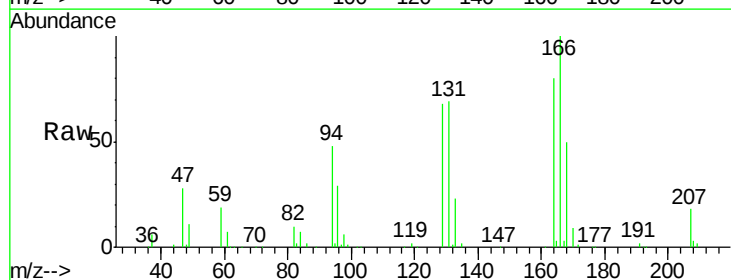
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBSD01

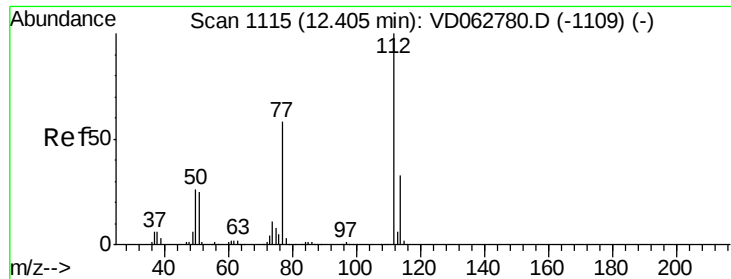
Tot Ion:117 Resp: 1119530
Ion Ratio Lower Upper
117 100
82 53.2 40.4 60.6
119 31.8 25.2 37.8



#64
Tetrachloroethene
Concen: 22.142 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

Tgt Ion:164 Resp: 204013
Ion Ratio Lower Upper
164 100
166 124.3 100.6 150.8
129 85.0 69.4 104.0
131 85.6 69.3 103.9

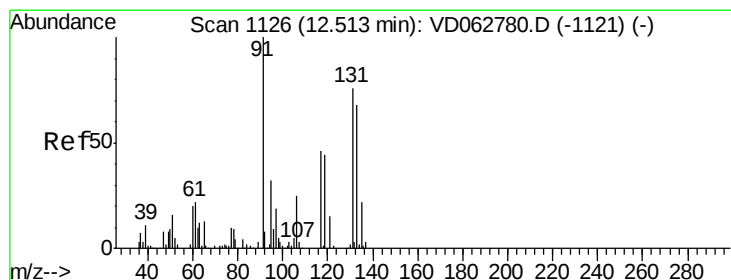
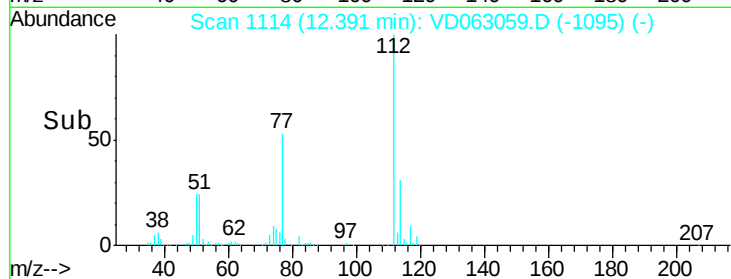
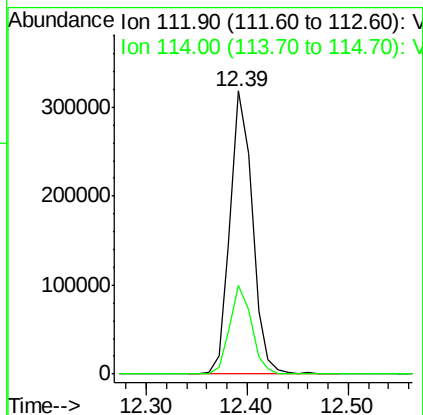
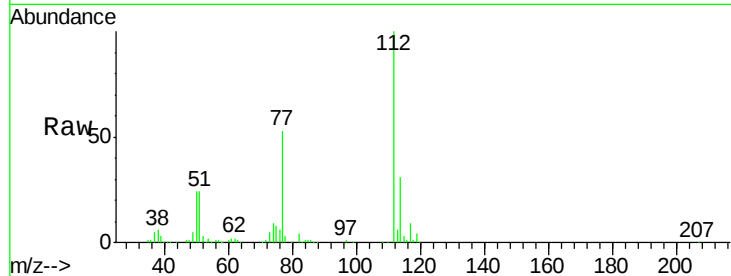




#65
Chlorobenzene
Concen: 23.569 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

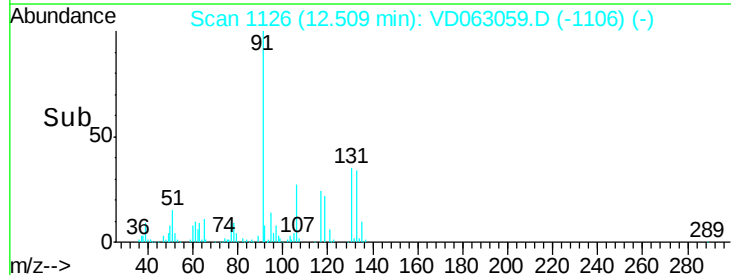
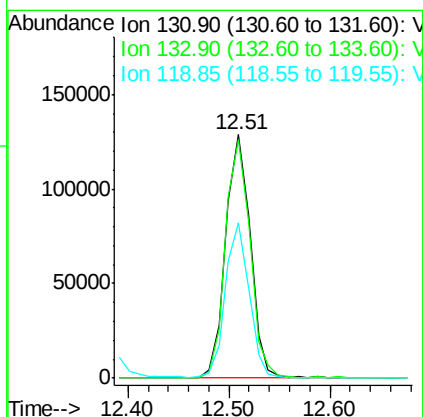
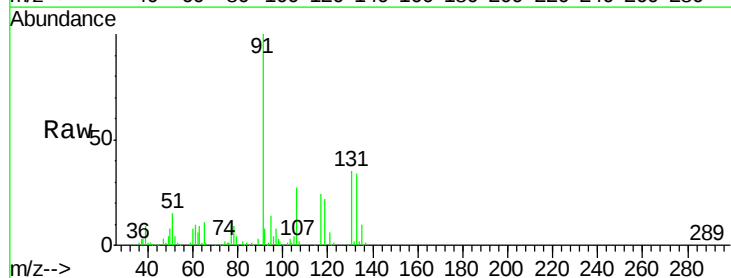
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBSD01

Tot Ion:112 Resp: 489705
Ion Ratio Lower Upper
112 100
114 31.4 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 22.567 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

Tgt Ion:131 Resp: 219277
Ion Ratio Lower Upper
131 100
133 97.9 44.5 133.3
119 63.7 28.6 85.9

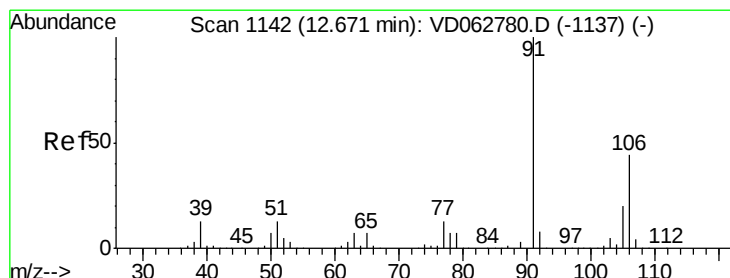
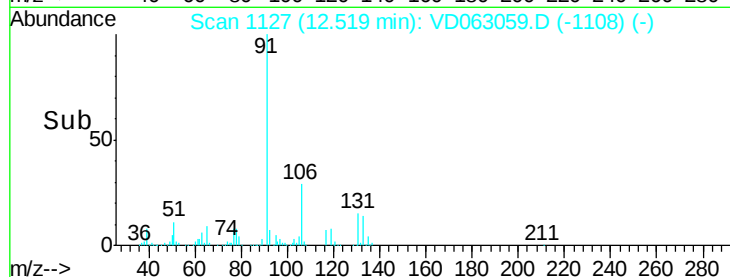
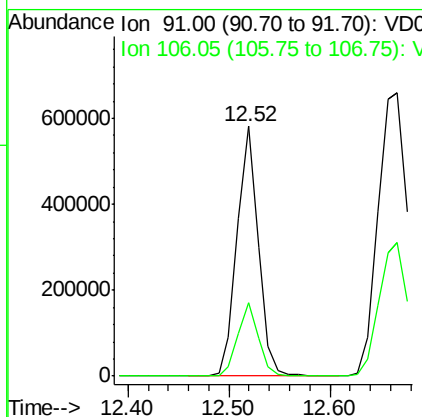
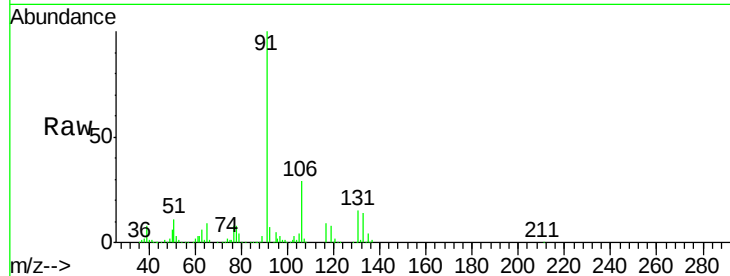




#67
Ethyl Benzene
Concen: 22.800 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

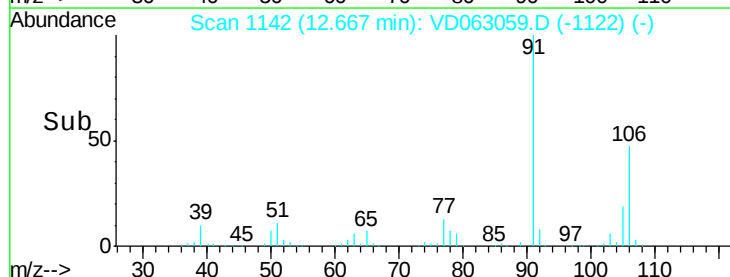
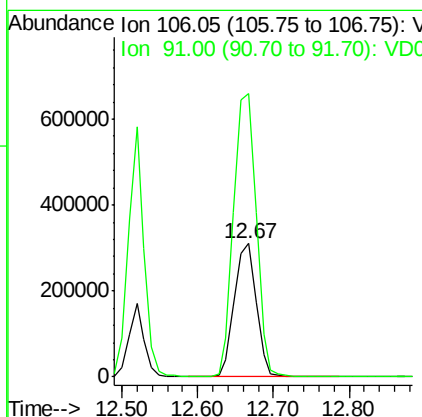
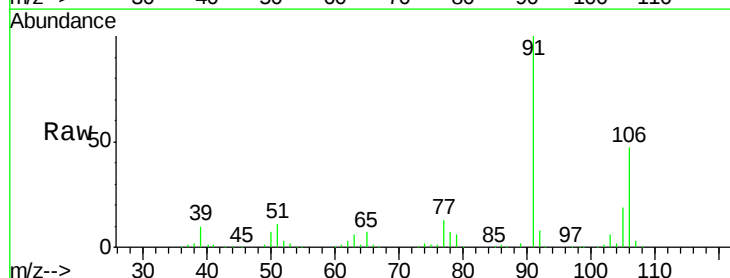
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

Tot Ion: 91 Resp: 850511
Ion Ratio Lower Upper
91 100
106 29.2 23.1 34.7



#68
m/p-Xylenes
Concen: 47.614 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

Tgt Ion: 106 Resp: 618620
Ion Ratio Lower Upper
106 100
91 212.7 183.0 274.6

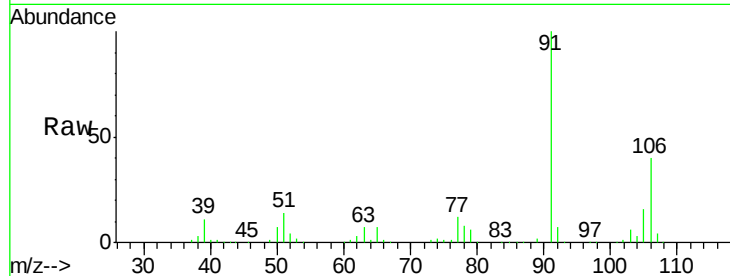




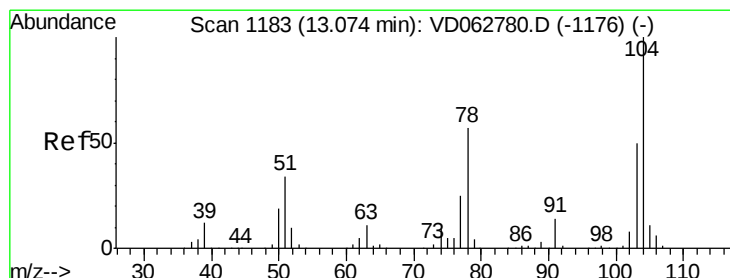
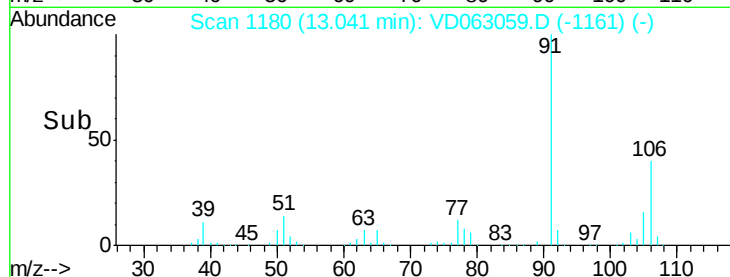
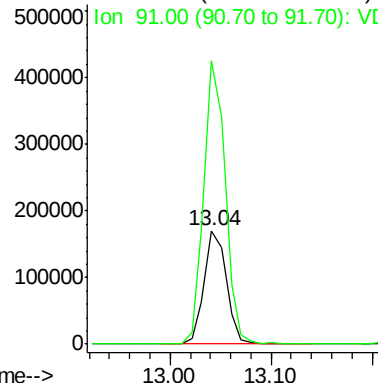
#69
o-Xylene
Concen: 21.973 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

Tot Ion:106 Resp: 260977
Ion Ratio Lower Upper
106 100
91 249.1 117.9 353.6

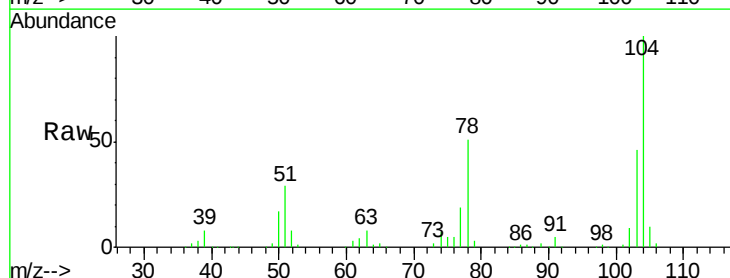


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

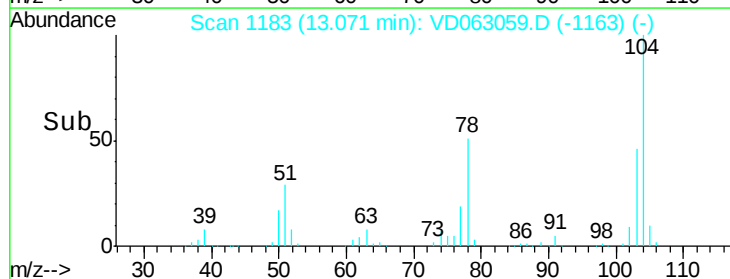
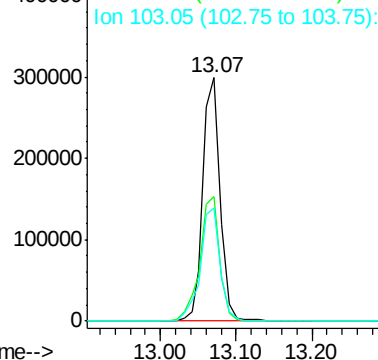


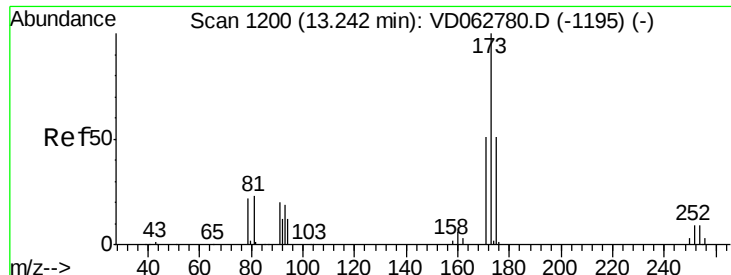
#70
Styrene
Concen: 22.364 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

Tgt Ion:104 Resp: 466548
Ion Ratio Lower Upper
104 100
78 51.4 45.4 68.2
103 46.3 39.7 59.5



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





#71

Bromoform

Concen: 22.549 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

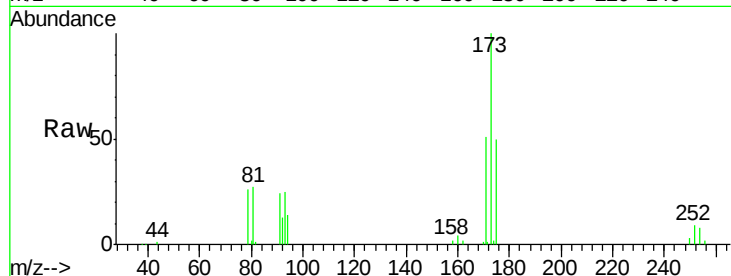
Tot Ion:173 Resp: 150113

Ion Ratio Lower Upper

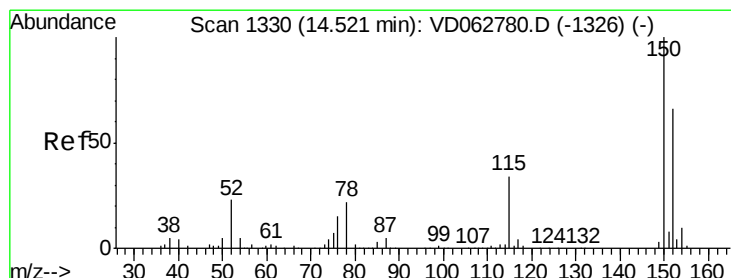
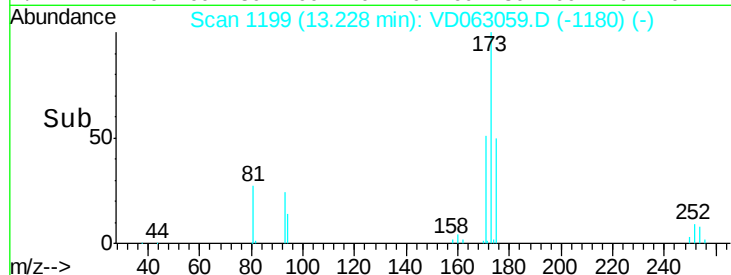
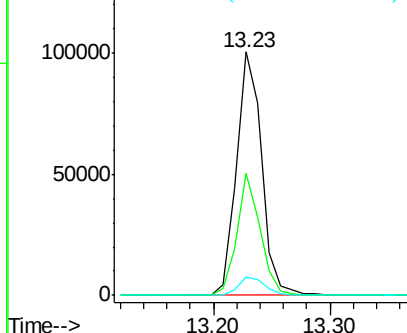
173 100

175 50.1 25.3 75.9

254 7.7 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: VD063059.D

Acq: 10 Jul 2019 15:49

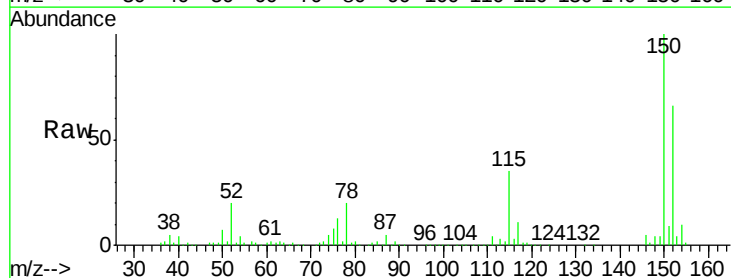
Tgt Ion:152 Resp: 575932

Ion Ratio Lower Upper

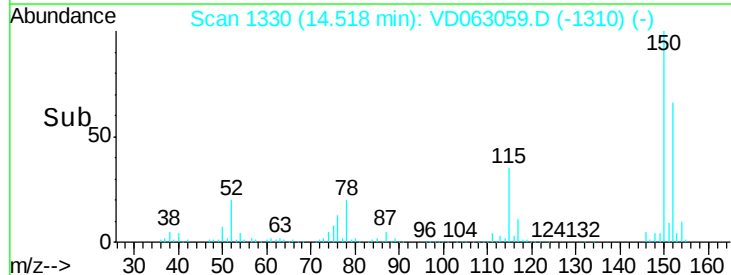
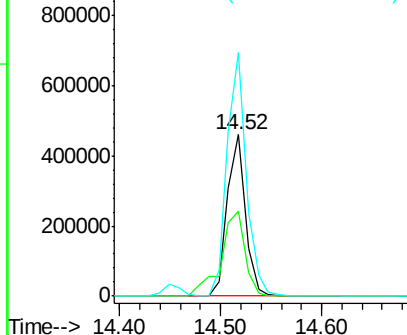
152 100

115 53.0 29.2 87.6

150 151.2 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: 23.579 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

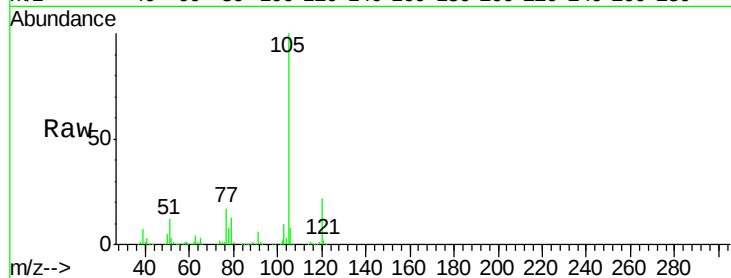
VD0710SBSD01

Tot Ion:105 Resp: 870718

Ion Ratio Lower Upper

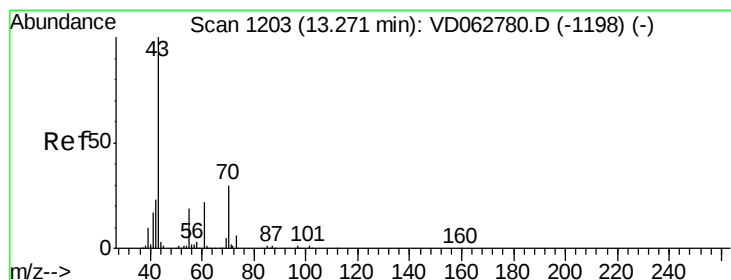
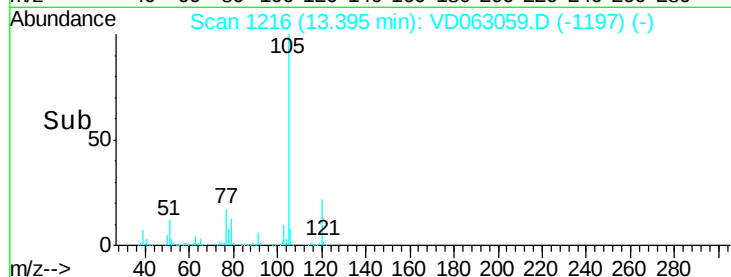
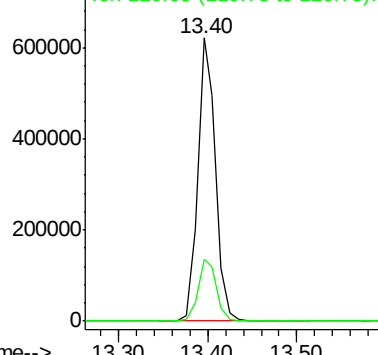
105 100

120 21.9 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: 24.245 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Tgt Ion: 43 Resp: 217427

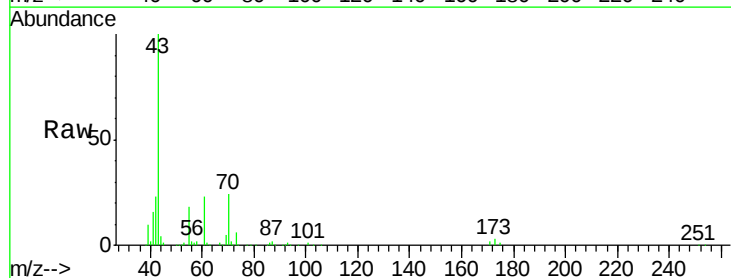
Ion Ratio Lower Upper

43 100

70 24.4 24.4 36.6

55 18.4 15.2 22.8

61 23.2 17.4 26.2

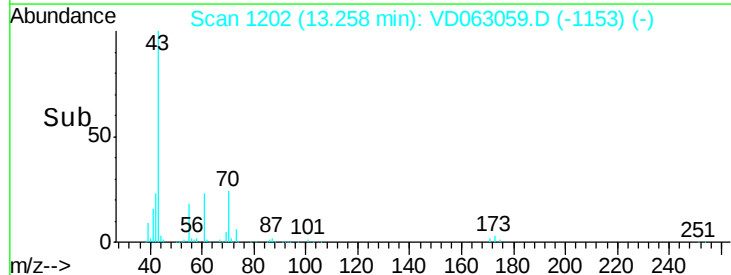
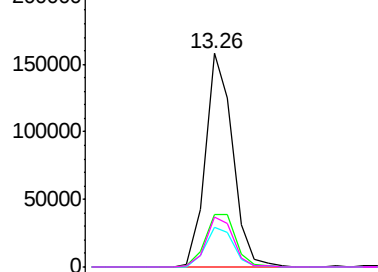


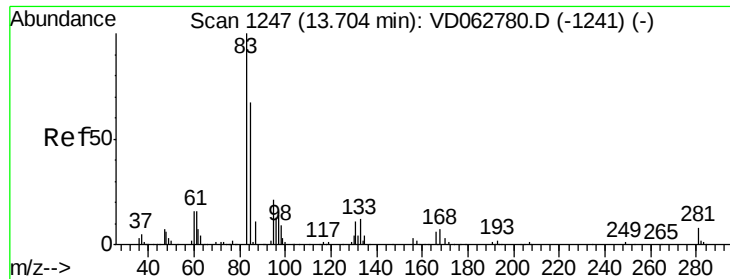
Abundance Ion 42.95 (42.65 to 43.65): V

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: 22.962 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

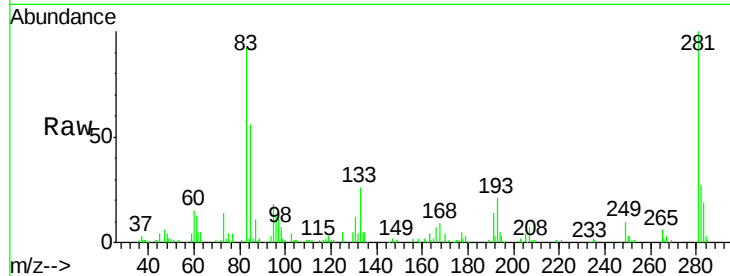
Tot Ion: 83 Resp: 138159

Ion Ratio Lower Upper

83 100

131 13.6 5.3 16.1

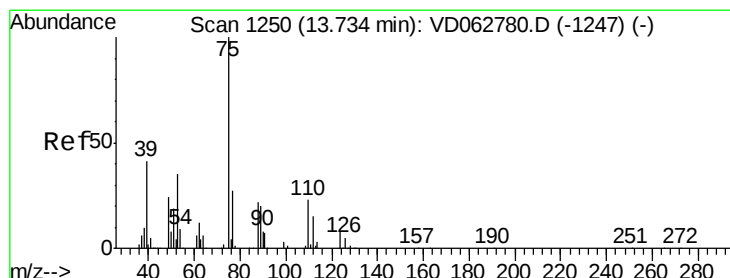
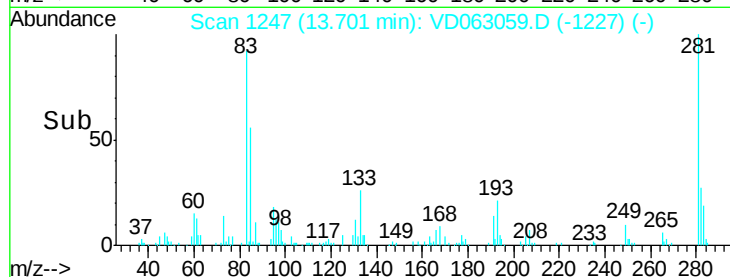
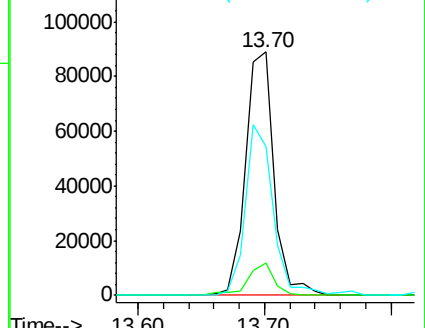
85 61.3 33.7 101.1



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: 24.189 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063059.D

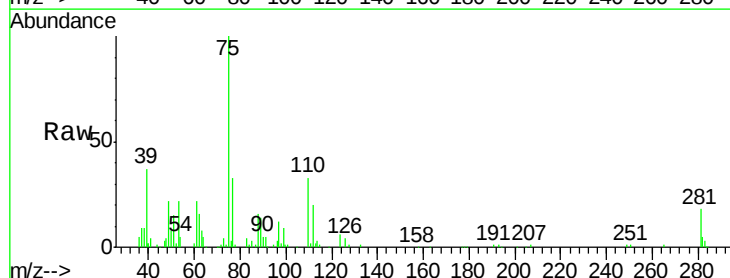
Acq: 10 Jul 2019 15:49

Tgt Ion: 75 Resp: 160827

Ion Ratio Lower Upper

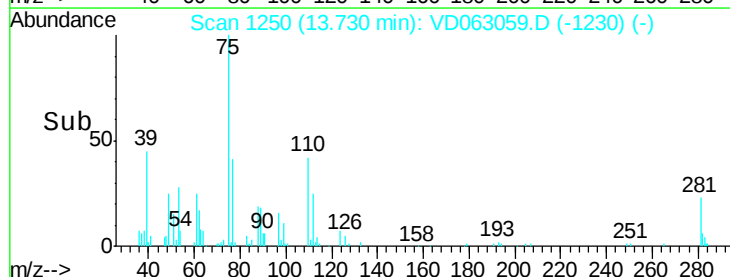
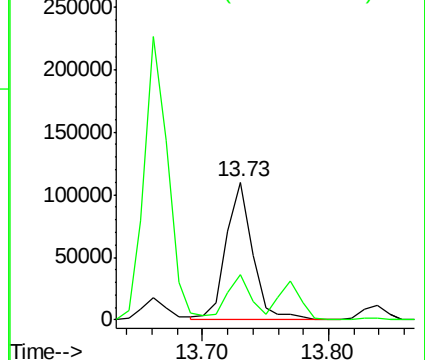
75 100

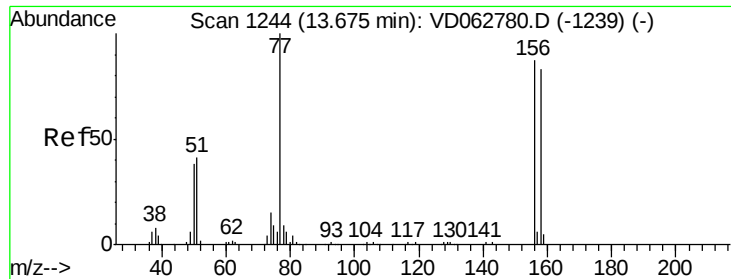
77 32.6 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 23.096 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

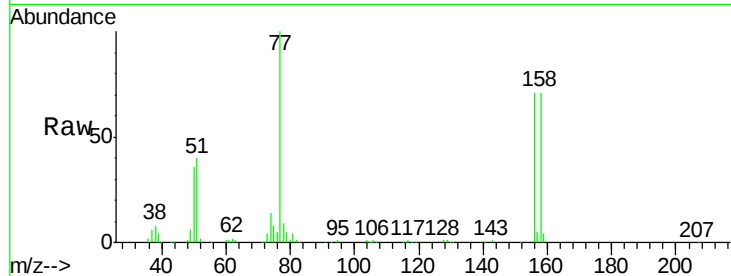
Tot Ion:156 Resp: 229402

Ion Ratio Lower Upper

156 100

77 140.6 57.7 173.1

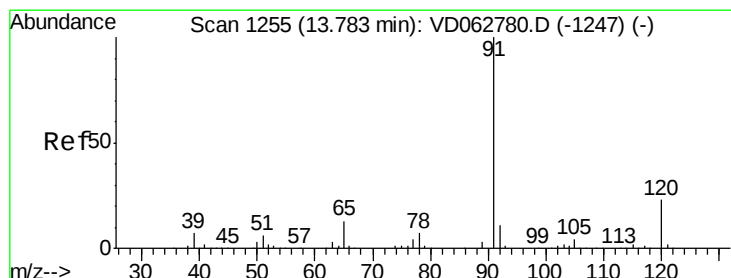
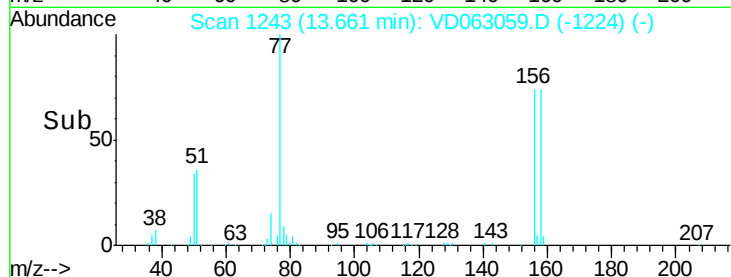
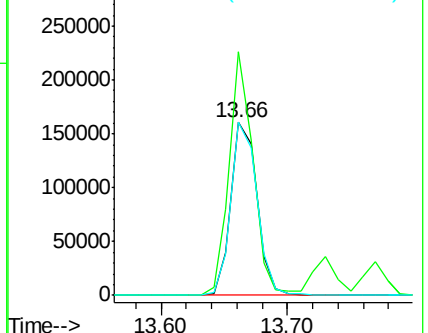
158 100.1 47.7 143.1



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: 23.892 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063059.D

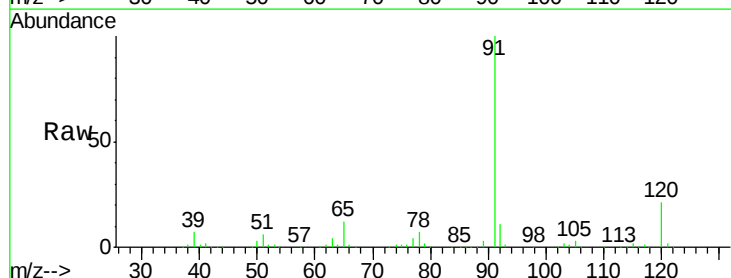
Acq: 10 Jul 2019 15:49

Tgt Ion: 91 Resp: 1026905

Ion Ratio Lower Upper

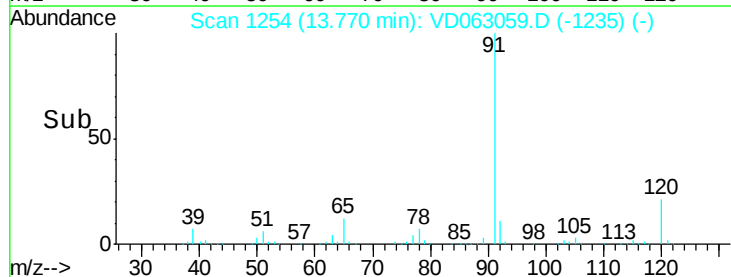
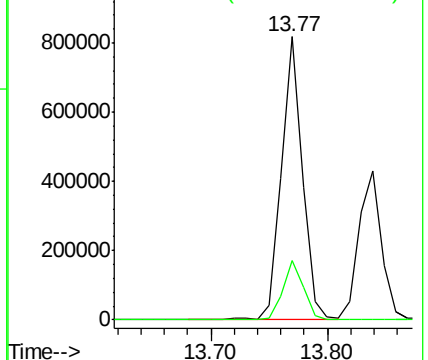
91 100

120 20.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

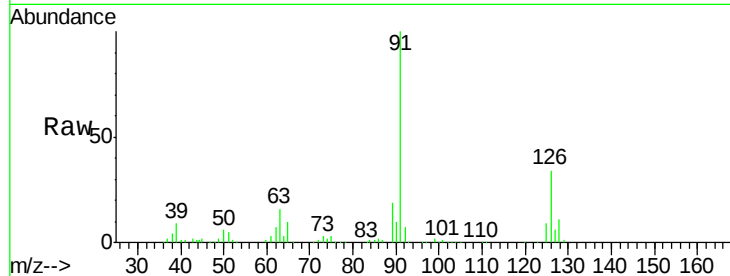




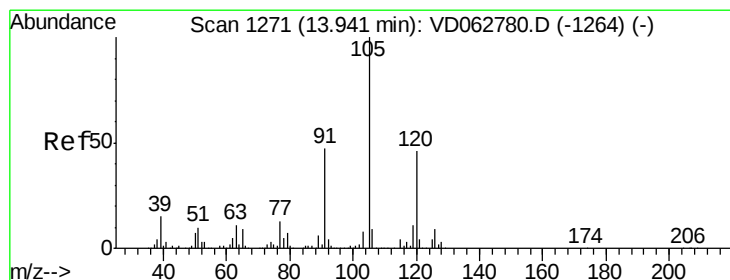
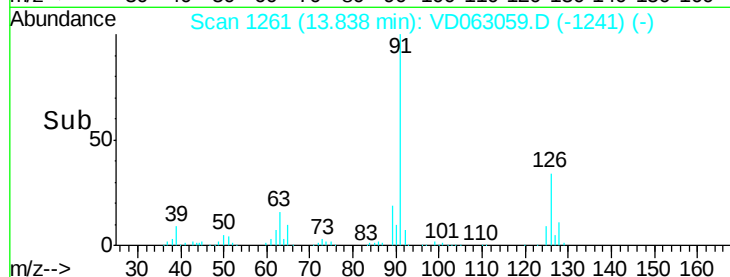
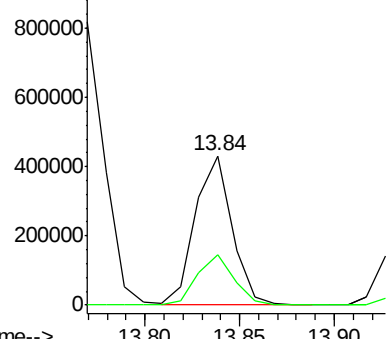
#79
 2-Chlorotoluene
 Concen: 23.548 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBSD01

Tot Ion: 91 Resp: 578386
 Ion Ratio Lower Upper
 91 100
 126 33.7 15.7 47.1

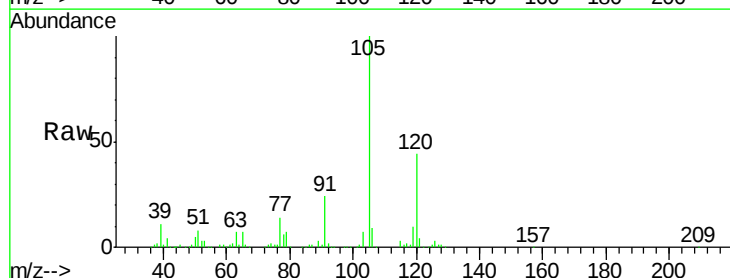


Abundance Ion 91.00 (90.70 to 91.70): VD062780.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD062780.D (-1258) (-)

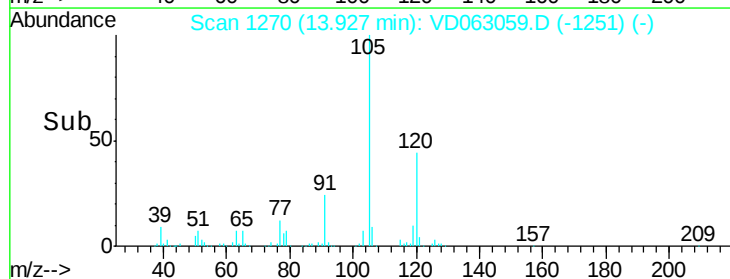
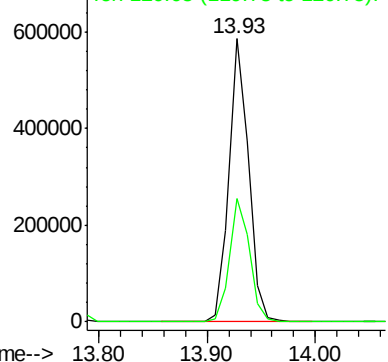


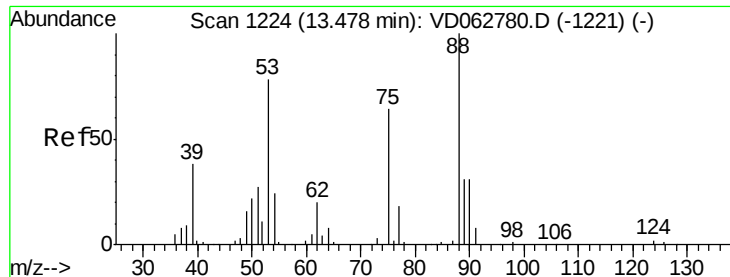
#80
 1,3,5-Trimethylbenzene
 Concen: 23.956 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

Tgt Ion:105 Resp: 743055
 Ion Ratio Lower Upper
 105 100
 120 43.8 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) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.738 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBSD01

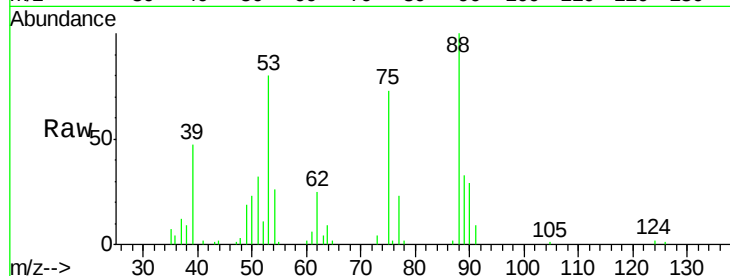
Tot Ion: 75 Resp: 39621

Ion Ratio Lower Upper

75 100

53 110.6 97.8 146.8

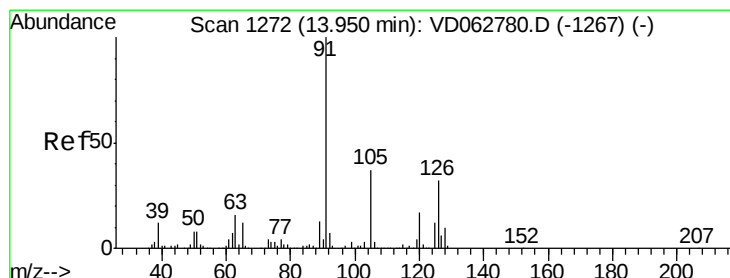
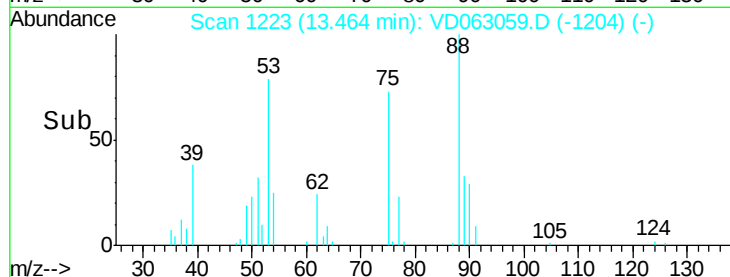
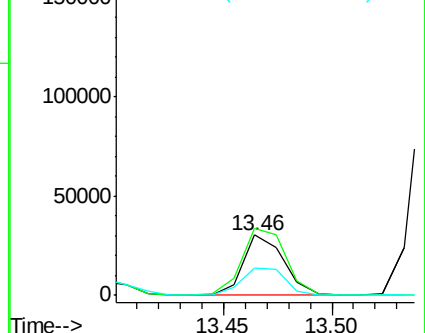
89 45.5 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 24.315 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063059.D

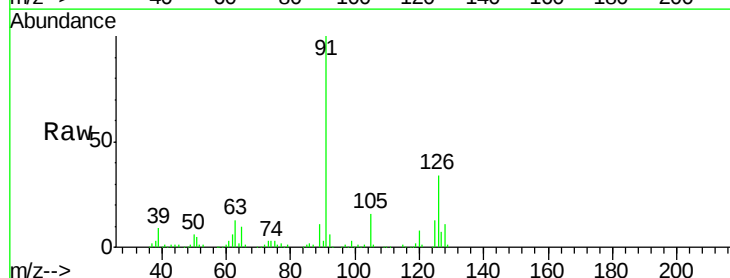
Acq: 10 Jul 2019 15:49

Tgt Ion: 91 Resp: 719030

Ion Ratio Lower Upper

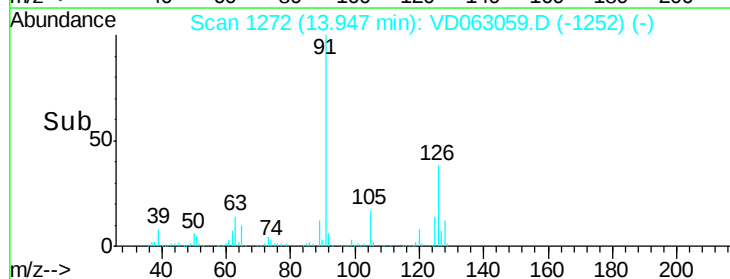
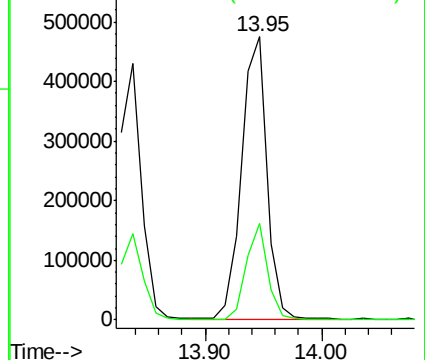
91 100

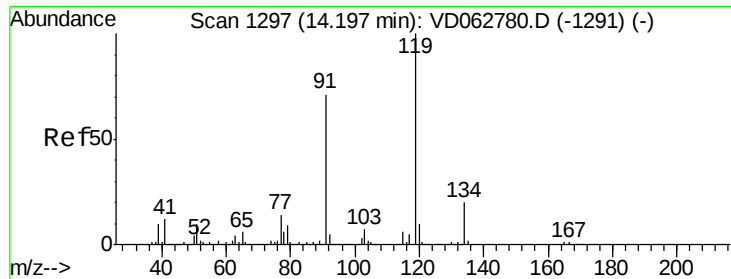
126 34.2 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

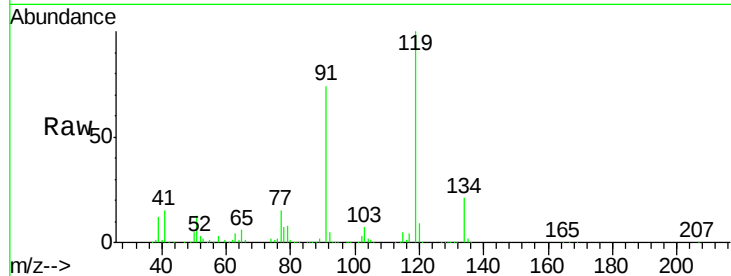




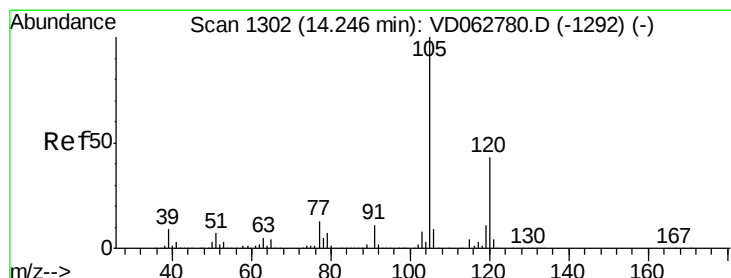
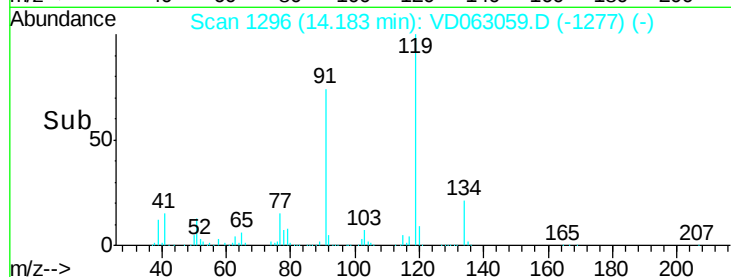
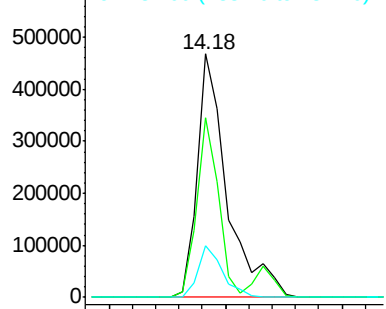
#83
tert-Butylbenzene
Concen: 24.099 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

Tot Ion:119 Resp: 833197
Ion Ratio Lower Upper
119 100
91 74.0 35.5 106.5
134 21.3 10.2 30.6

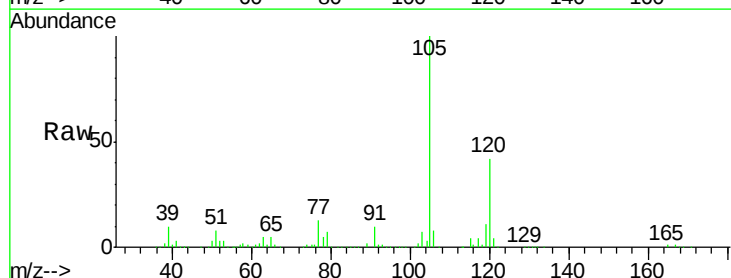


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

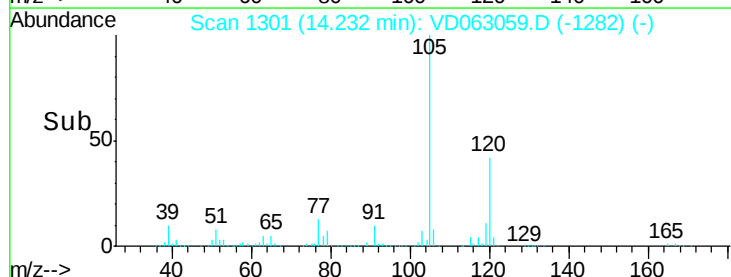
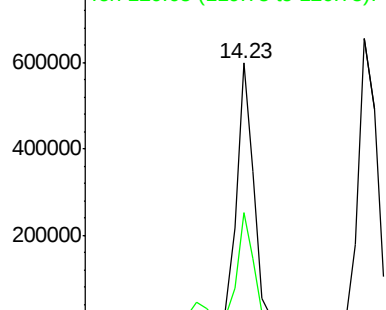


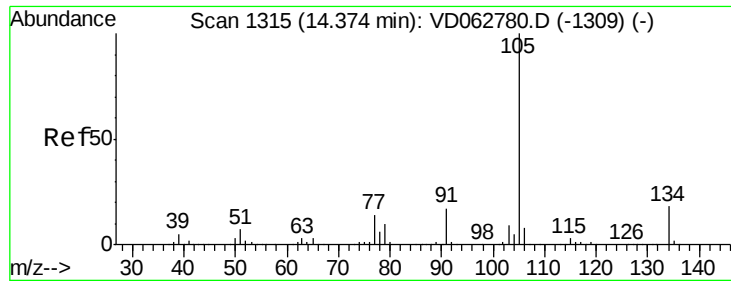
#84
1,2,4-Trimethylbenzene
Concen: 23.333 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

Tgt Ion:105 Resp: 741789
Ion Ratio Lower Upper
105 100
120 42.4 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

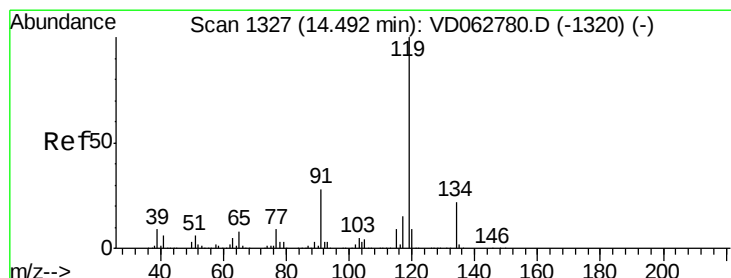
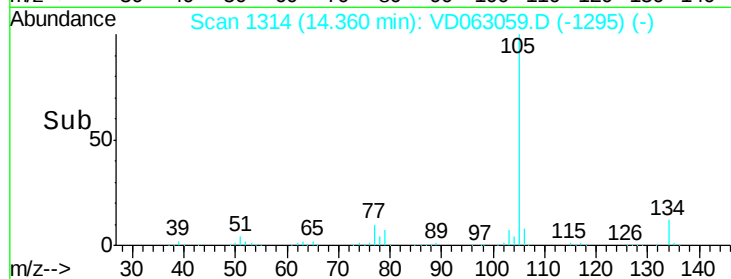
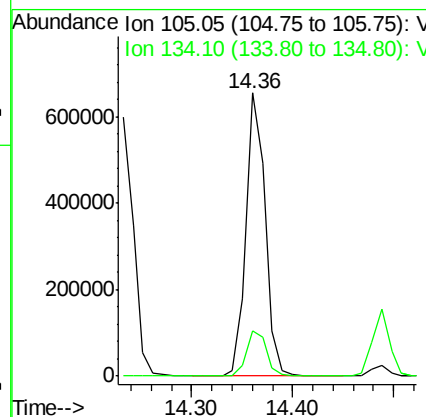
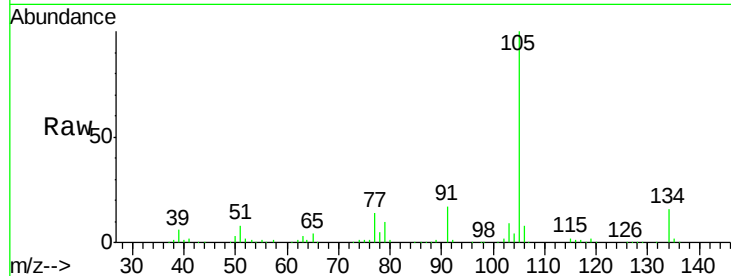




#85
 sec-Butylbenzene
 Concen: 23.068 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

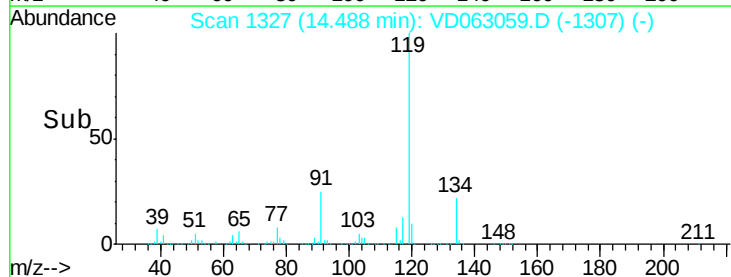
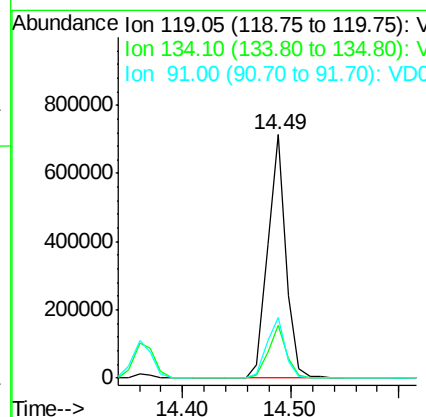
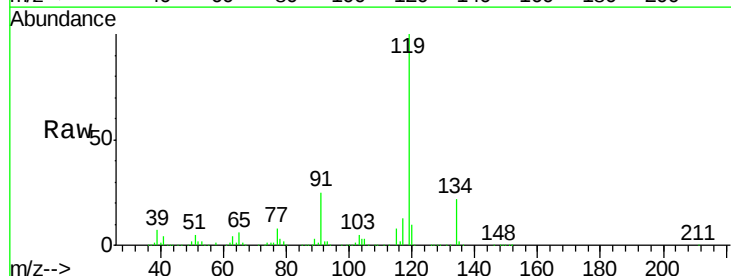
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBS01

Tot Ion:105 Resp: 866816
 Ion Ratio Lower Upper
 105 100
 134 15.9 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 24.563 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

Tgt Ion:119 Resp: 844402
 Ion Ratio Lower Upper
 119 100
 134 21.8 11.1 33.1
 91 24.8 14.0 41.9

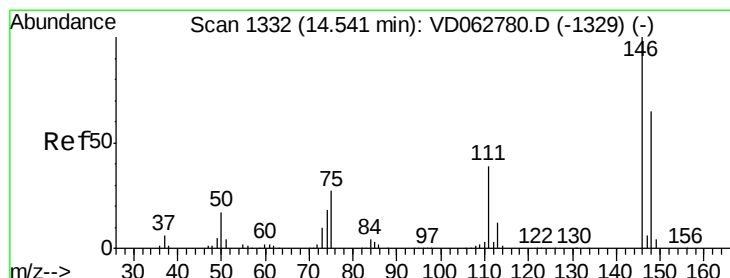
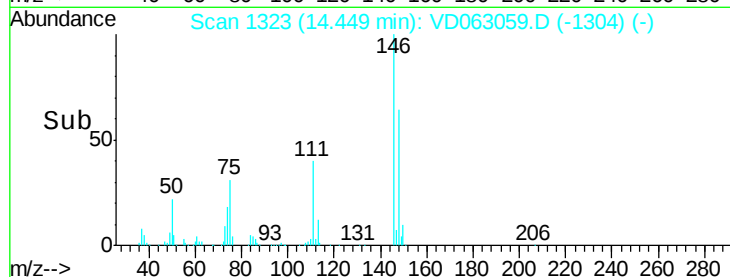
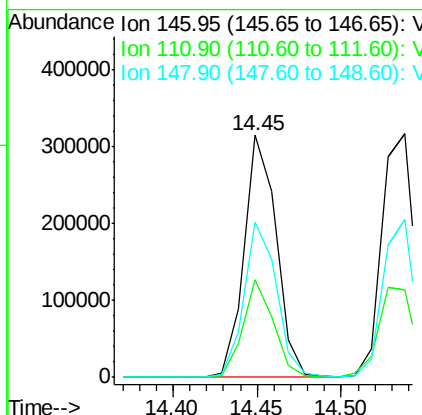
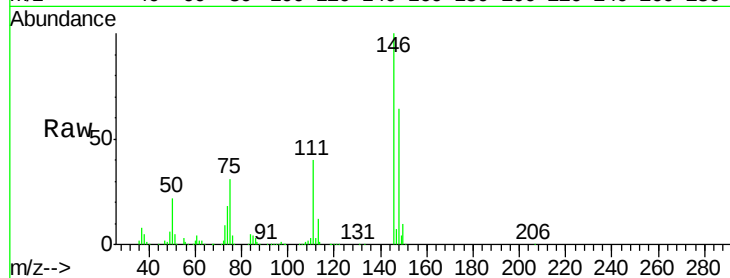




#87
 1,3-Dichlorobenzene
 Concen: 23.506 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

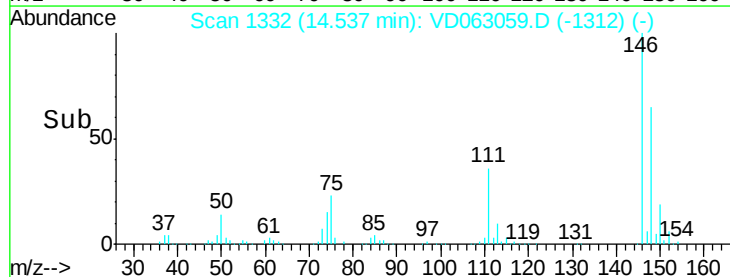
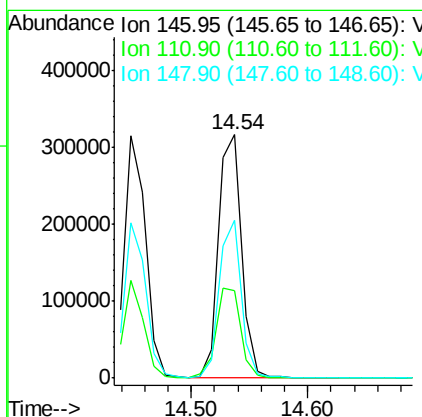
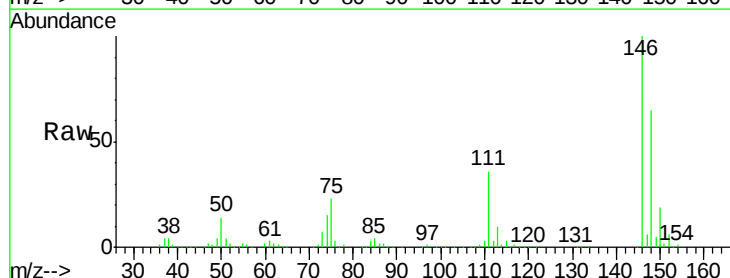
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBS01

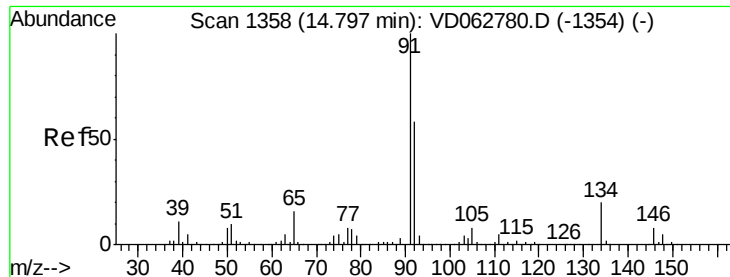
Tot Ion:146 Resp: 418526
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.0 57.0
 148 64.1 30.8 92.3



#88
 1,4-Dichlorobenzene
 Concen: 24.414 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

Tgt Ion:146 Resp: 436604
 Ion Ratio Lower Upper
 146 100
 111 35.8 19.7 59.1
 148 65.0 32.8 98.3





#89

n-Butylbenzene

Concen: 21.985 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD063059.D

Acq: 10 Jul 2019 15:49

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

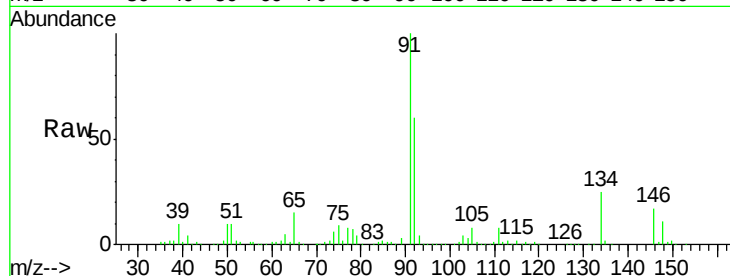
Tot Ion: 91 Resp: 707379

Ion Ratio Lower Upper

91 100

92 60.0 28.9 86.7

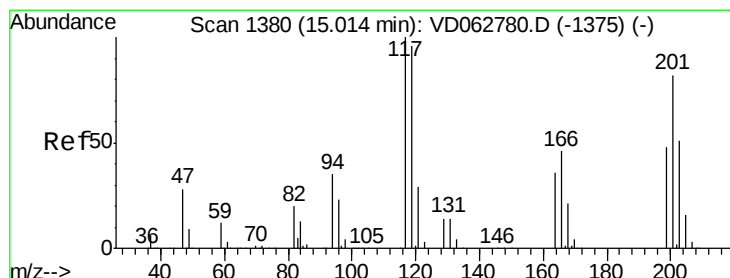
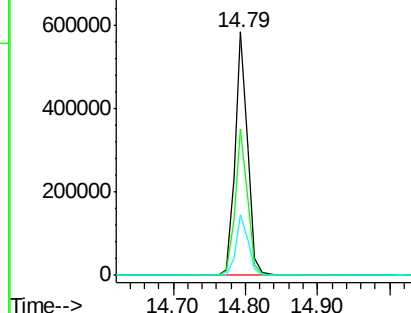
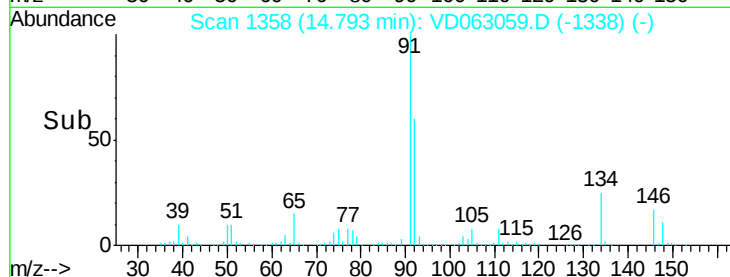
134 24.9 10.1 30.3



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: 22.818 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD063059.D

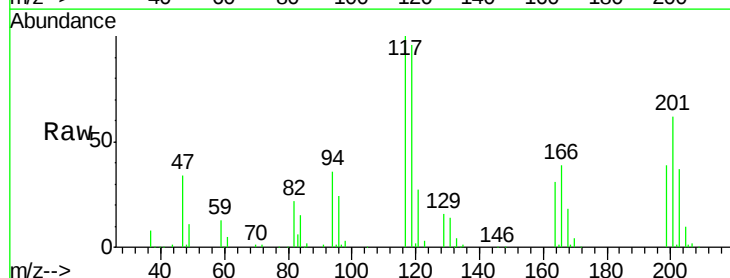
Acq: 10 Jul 2019 15:49

Tgt Ion: 117 Resp: 210904

Ion Ratio Lower Upper

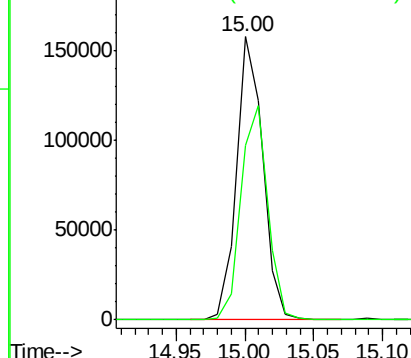
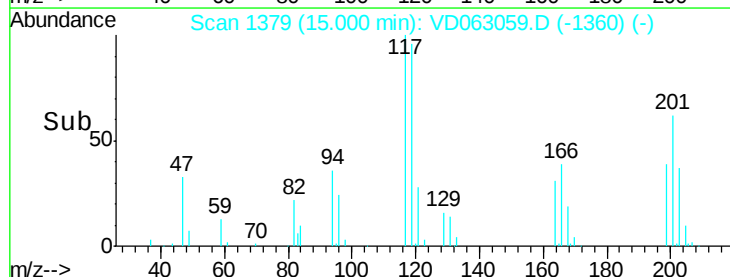
117 100

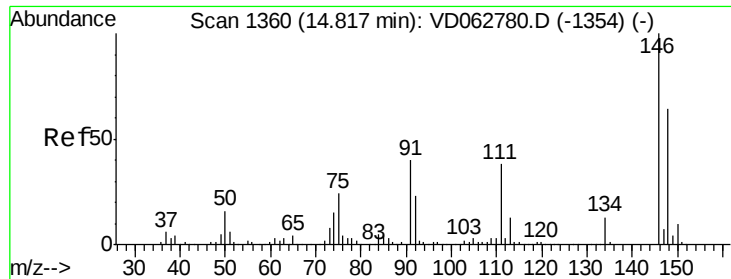
201 61.7 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

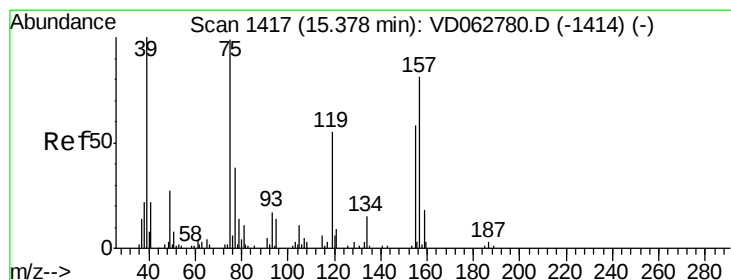
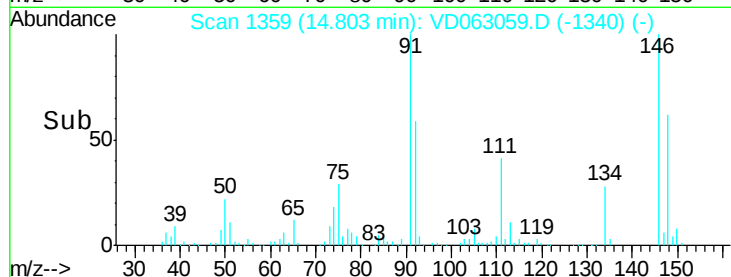
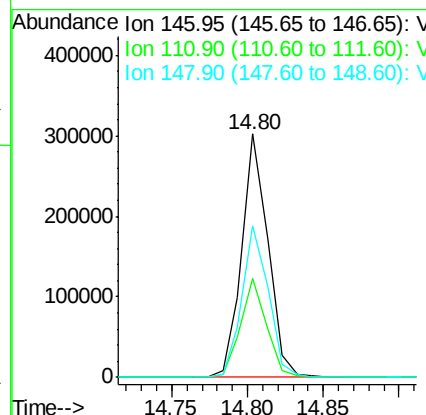
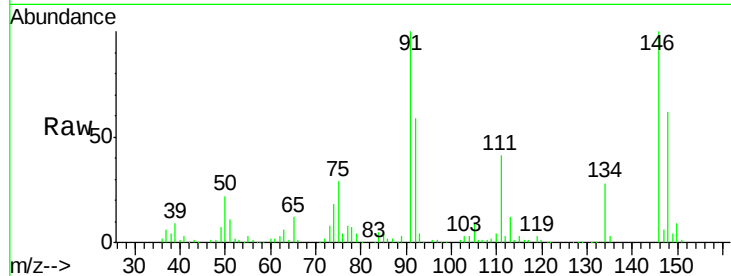




#91
 1,2-Dichlorobenzene
 Concen: 23.801 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

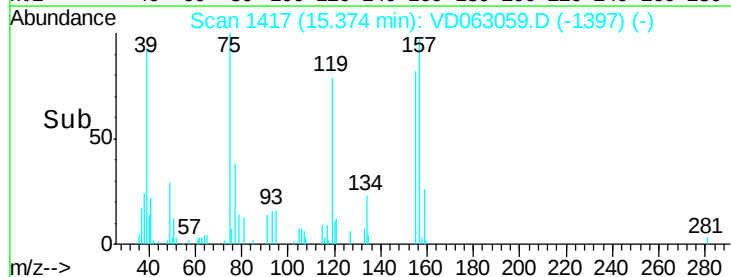
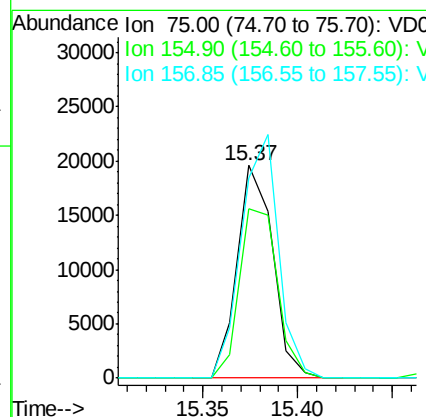
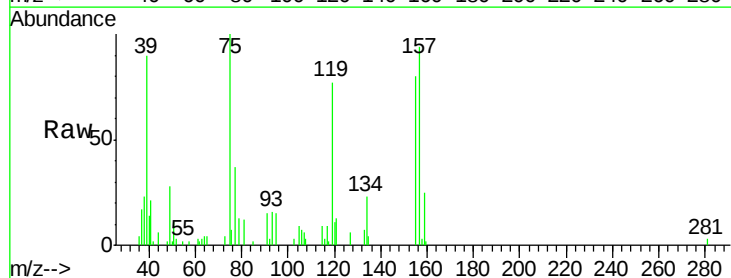
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBSD01

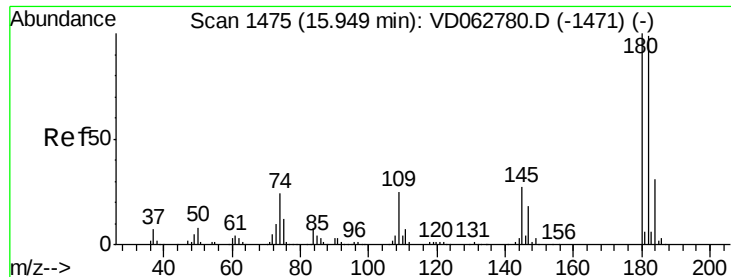
Tot Ion:146 Resp: 362566
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.1 57.1
 148 62.5 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.654 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

Tgt Ion: 75 Resp: 25429
 Ion Ratio Lower Upper
 75 100
 155 80.1 29.3 87.8
 157 94.1 41.3 123.7

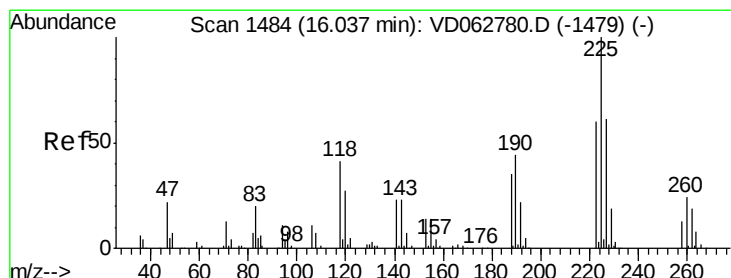
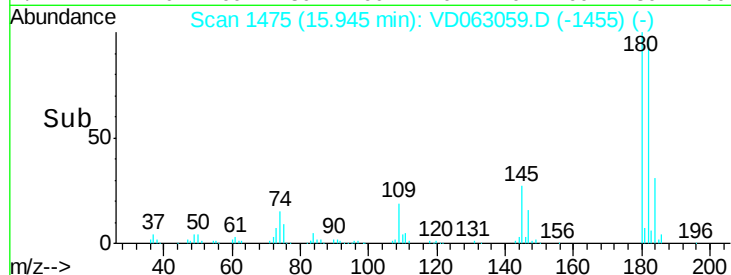
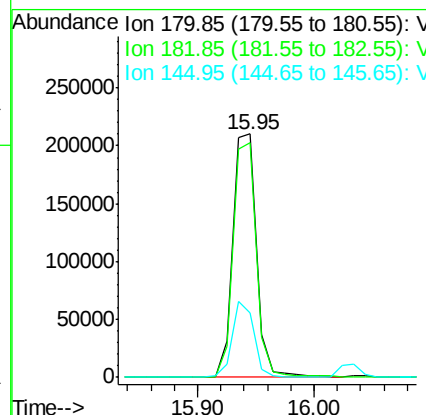
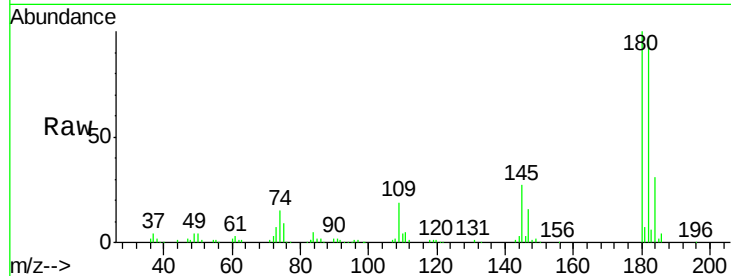




#93
 1,2,4-Trichlorobenzene
 Concen: 24.806 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

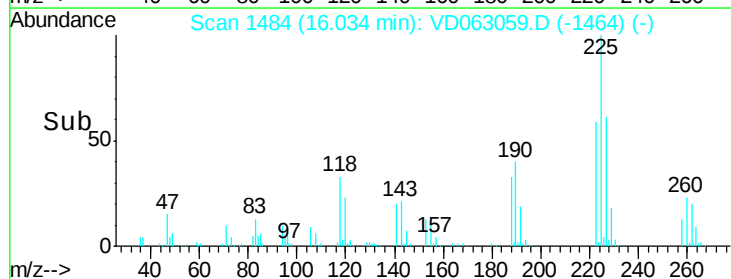
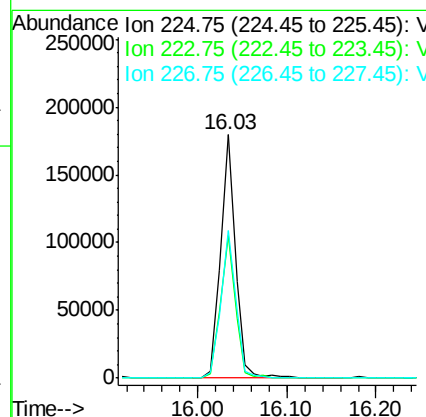
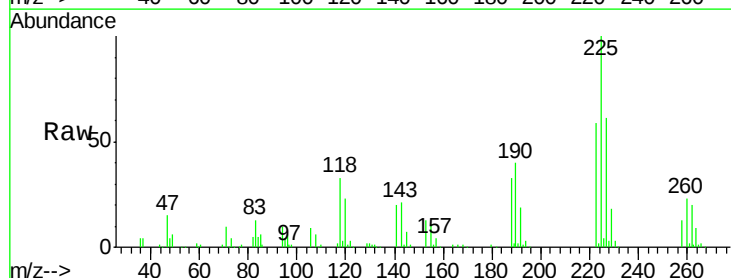
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBSD01

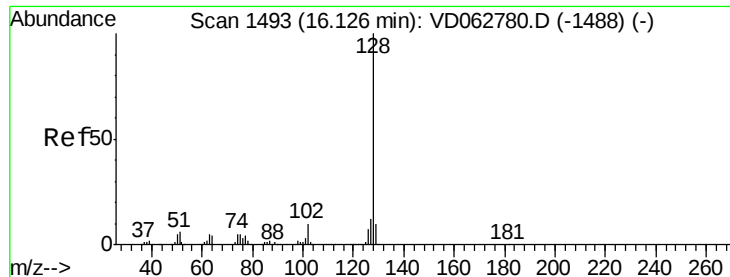
Tot Ion:180 Resp: 295184
 Ion Ratio Lower Upper
 180 100
 182 96.6 49.5 148.5
 145 26.6 13.7 41.0



#94
 Hexachlorobutadiene
 Concen: 23.183 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063059.D
 Acq: 10 Jul 2019 15:49

Tgt Ion:225 Resp: 210755
 Ion Ratio Lower Upper
 225 100
 223 58.7 29.8 89.5
 227 60.8 30.6 91.6

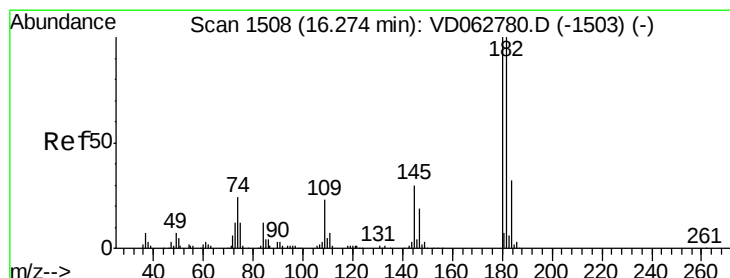
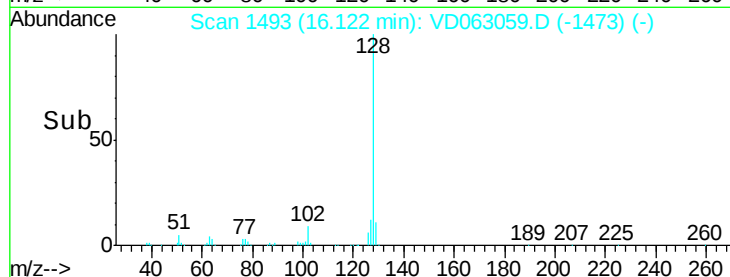
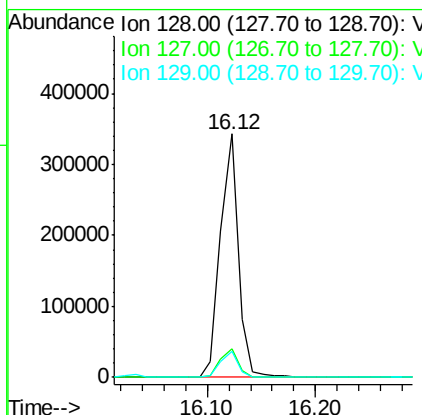
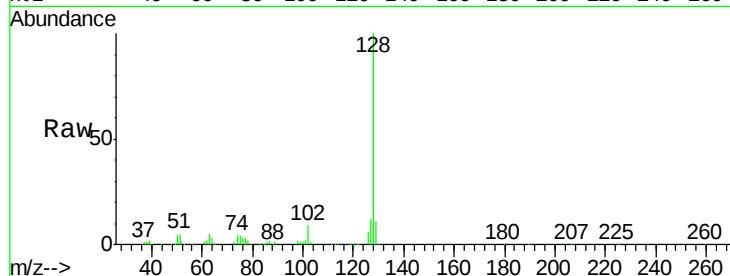




#95
Naphthalene
Concen: 23.866 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

Instrument :
MSVOA_D
ClientSampleId :
VD0710SBSD01

Tot Ion:128 Resp: 398050
Ion Ratio Lower Upper
128 100
127 11.8 9.7 14.5
129 10.5 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 24.302 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063059.D
Acq: 10 Jul 2019 15:49

Tgt Ion:180 Resp: 222191
Ion Ratio Lower Upper
180 100
182 93.4 49.9 149.6
145 25.2 15.2 45.5

