

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061578.D
 Acq On : 4 Apr 2019 14:53
 Operator : VA/AP
 Sample : VD0404SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS01

Quant Time: Apr 05 01:09:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	655202	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	1068455	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	795510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	389440	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	282228	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	6.90	113	406389	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	10.39	98	897411	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
62) 4-Bromofluorobenzene	13.55	95	382584	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	148143	21.172	ug/l	99
3) Chloromethane	1.76	50	131023	22.960	ug/l	96
4) Vinyl Chloride	1.84	62	114624	21.876	ug/l	100
5) Bromomethane	2.15	94	19908	19.160	ug/l	88
6) Chloroethane	2.25	64	33523	21.817	ug/l	99
7) Trichlorofluoromethane	2.52	101	164860	21.637	ug/l	96
8) Diethyl Ether	2.87	74	56957	23.218	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	176989	21.607	ug/l	97
10) Methyl Iodide	3.29	142	216412	19.640	ug/l	99
11) Tert butyl alcohol	4.04	59	41451	118.920	ug/l	96
12) 1,1-Dichloroethene	3.11	96	147973	21.041	ug/l	97
13) Acrolein	3.03	56	23319	71.440	ug/l	97
14) Allyl chloride	3.61	41	221506	22.582	ug/l	96
15) Acrylonitrile	4.18	53	142187	117.530	ug/l	96
16) Acetone	3.21	43	169317	117.679	ug/l	97
17) Carbon Disulfide	3.37	76	480803	21.042	ug/l	100
18) Methyl Acetate	3.63	43	73940	24.442	ug/l	96
19) Methyl tert-butyl Ether	4.22	73	278525	22.879	ug/l	99
20) Methylene Chloride	3.80	84	215120	25.759	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	170711	22.483	ug/l	96
22) Diisopropyl ether	5.09	45	456793	22.006	ug/l	95
23) Vinyl Acetate	5.03	43	1256474	111.436	ug/l	98
24) 1,1-Dichloroethane	4.97	63	265692	21.780	ug/l	99
25) 2-Butanone	6.05	43	203141	112.240	ug/l	100
26) 2,2-Dichloropropane	6.00	77	223931	23.092	ug/l	100
27) cis-1,2-Dichloroethene	6.02	96	179150	21.535	ug/l	94
28) Bromochloromethane	6.42	49	97708	19.842	ug/l #	93
29) Tetrahydrofuran	6.43	42	97812	111.499	ug/l	99
30) Chloroform	6.65	83	290782	23.069	ug/l	99
31) Cyclohexane	6.93	56	211809	21.972	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	249436	22.431	ug/l	94
36) 1,1-Dichloropropene	7.13	75	225493	24.181	ug/l	98
37) Ethyl Acetate	6.16	43	97424	24.428	ug/l	99
38) Carbon Tetrachloride	7.09	117	241053	22.496	ug/l	96

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	227383	23.412	ug/l	96
40) Benzene	7.44	78	554235	23.682	ug/l	97
41) Methacrylonitrile	6.42	41	110204	23.633	ug/l #	96
42) 1,2-Dichloroethane	7.56	62	174687	24.953	ug/l	98
43) Isopropyl Acetate	9.22	43	137749	23.739	ug/l	98
44) Trichloroethene	8.52	130	203153	23.325	ug/l	97
45) 1,2-Dichloropropane	8.92	63	126078	21.245	ug/l	98
46) Dibromomethane	9.04	93	93859	23.498	ug/l	97
47) Bromodichloromethane	9.36	83	219079	24.437	ug/l	92
48) Methyl methacrylate	9.10	41	82884	25.881	ug/l	99
49) 1,4-Dioxane	9.07	88	16794	475.445	ug/l #	89
51) 4-Methyl-2-Pentanone	10.28	43	439234	124.418	ug/l	98
52) Toluene	10.50	92	350606	24.556	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	192136	23.589	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	237992	23.995	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	116401	23.311	ug/l	94
56) Ethyl methacrylate	11.03	69	124710	23.249	ug/l	96
57) 1,3-Dichloropropane	11.39	76	164813	22.456	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.84	63	299931	114.814	ug/l	99
59) 2-Hexanone	11.52	43	329584	128.853	ug/l	95
60) Dibromochloromethane	11.67	129	181243	23.545	ug/l	98
61) 1,2-Dibromoethane	11.79	107	142188	24.591	ug/l	95
64) Tetrachloroethene	11.25	164	148976	23.862	ug/l	95
65) Chlorobenzene	12.39	112	387649	23.844	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.50	131	170599	27.102	ug/l	97
67) Ethyl Benzene	12.51	91	656606	26.460	ug/l	96
68) m/p-Xylenes	12.65	106	490119	52.140	ug/l	96
69) o-Xylene	13.04	106	221906	24.327	ug/l	94
70) Styrene	13.06	104	382453	24.051	ug/l	95
71) Bromoform	13.22	173	93457	23.421	ug/l	97
73) Isopropylbenzene	13.39	105	649929	23.979	ug/l	99
74) N-amyl acetate	13.25	43	172142	22.799	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	132602	23.191	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	135102	24.016	ug/l	99
77) Bromobenzene	13.66	156	187913	23.386	ug/l	97
78) n-propylbenzene	13.77	91	782442	23.589	ug/l	99
79) 2-Chlorotoluene	13.83	91	427386	23.730	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	518973	24.678	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	39513	23.036	ug/l	96
82) 4-Chlorotoluene	13.93	91	496614	25.359	ug/l	87
83) tert-Butylbenzene	14.18	119	588659	22.398	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	549659	24.142	ug/l	99
85) sec-Butylbenzene	14.36	105	645477	23.119	ug/l	99
86) p-Isopropyltoluene	14.48	119	605675	25.654	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	318899	23.436	ug/l	97
88) 1,4-Dichlorobenzene	14.52	146	320037	24.118	ug/l	95
89) n-Butylbenzene	14.79	91	489920	22.609	ug/l	99
90) Hexachloroethane	15.00	117	161061	24.147	ug/l	75
91) 1,2-Dichlorobenzene	14.80	146	259956	23.291	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	15214	22.687	ug/l	89

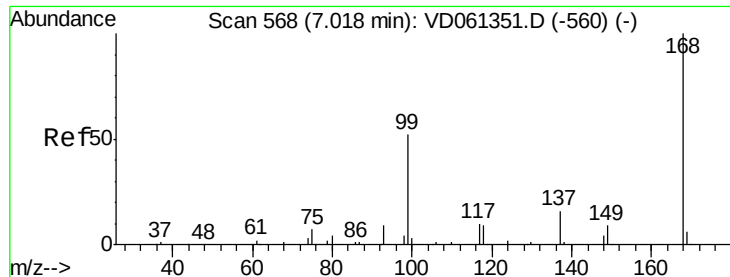
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\
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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	121001	23.799	ug/l	99
94) Hexachlorobutadiene	16.03	225	97952	24.654	ug/l	96
95) Naphthalene	16.12	128	209286	27.005	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	63976	28.595	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

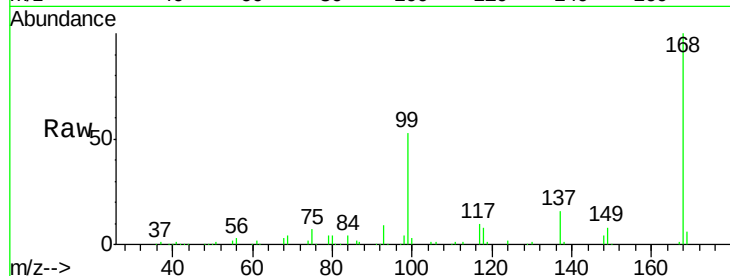
VD0404SBS01

Tot Ion:168 Resp: 655202

Ion Ratio Lower Upper

168 100

99 53.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

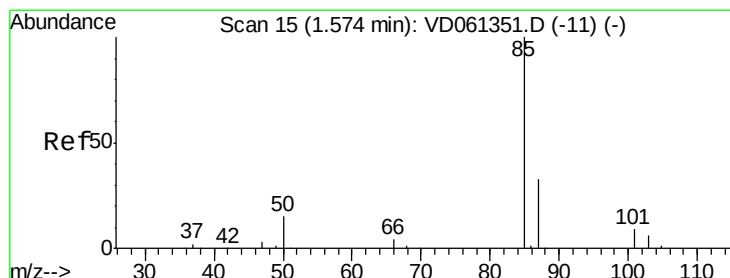
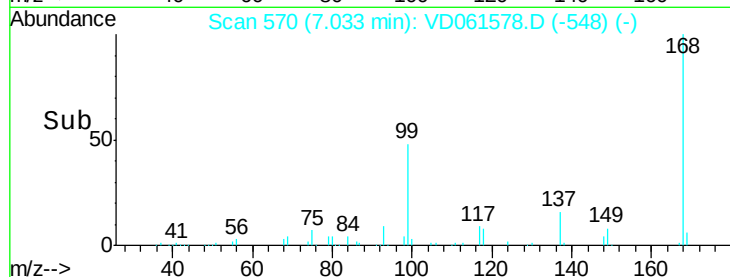
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 21.172 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061578.D

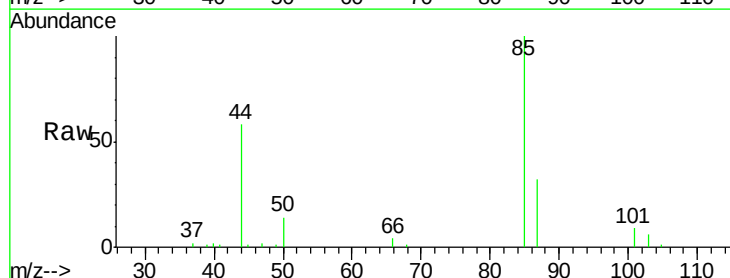
Acq: 4 Apr 2019 14:53

Tgt Ion: 85 Resp: 148143

Ion Ratio Lower Upper

85 100

87 32.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

60000

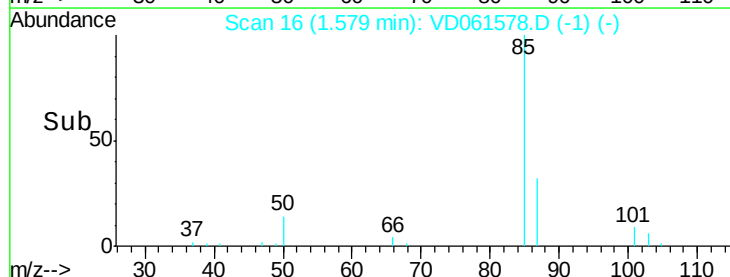
40000

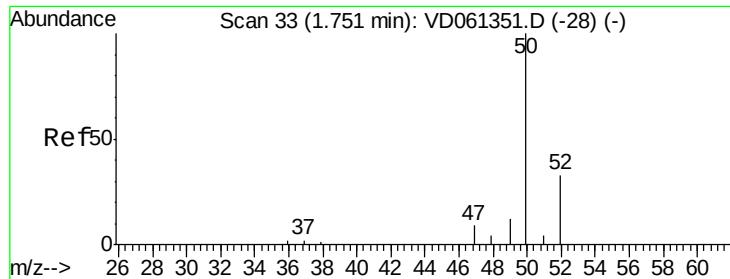
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 22.960 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

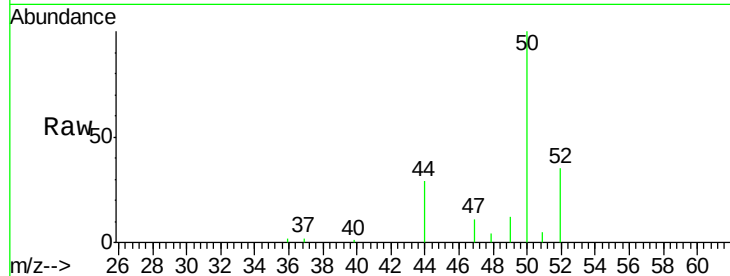
VD0404SBS01

Tot Ion: 50 Resp: 131023

Ion Ratio Lower Upper

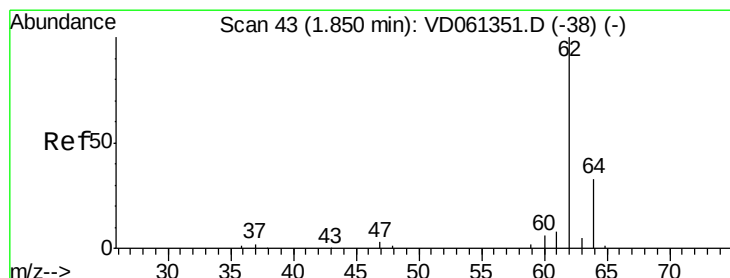
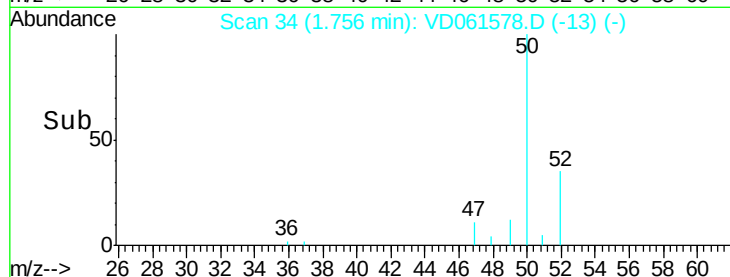
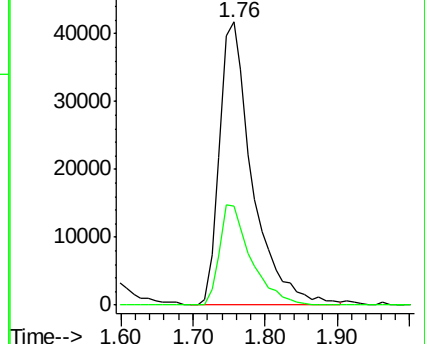
50 100

52 34.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.876 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061578.D

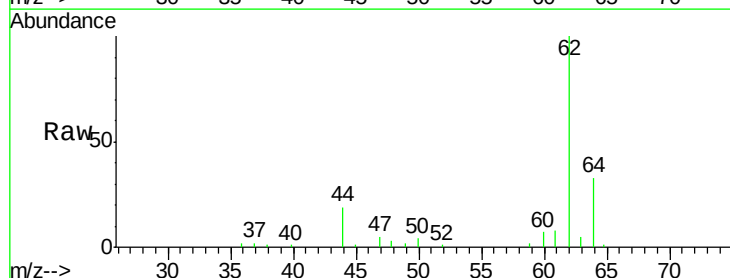
Acq: 4 Apr 2019 14:53

Tgt Ion: 62 Resp: 114624

Ion Ratio Lower Upper

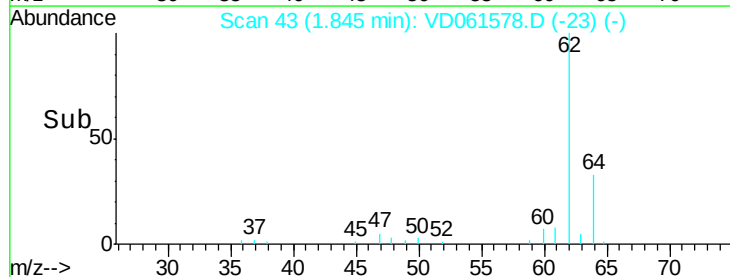
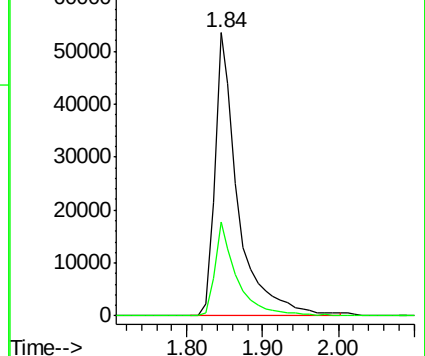
62 100

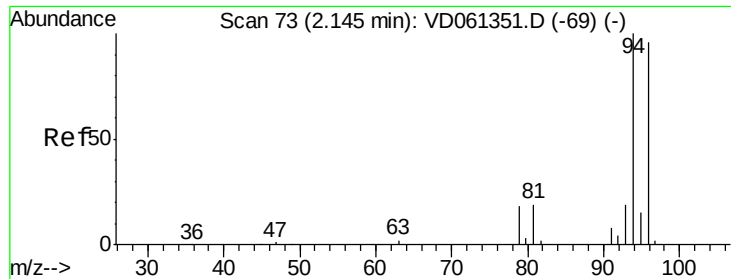
64 33.0 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

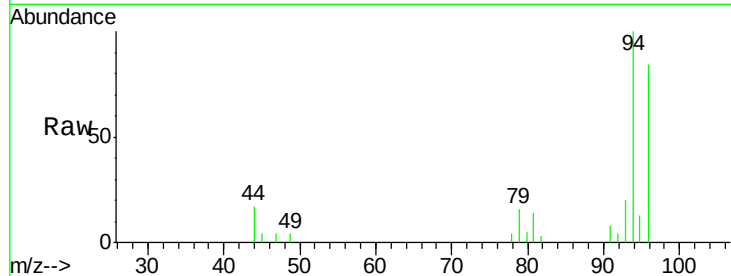




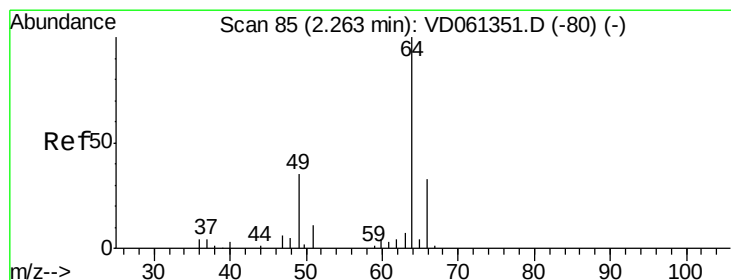
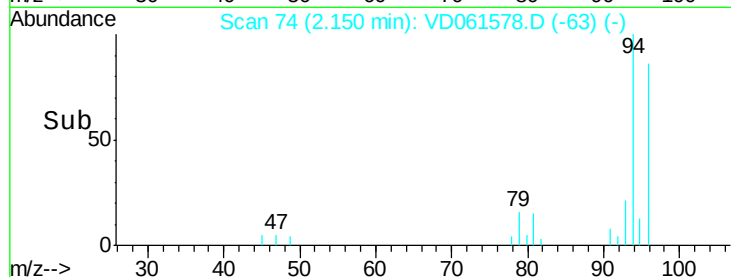
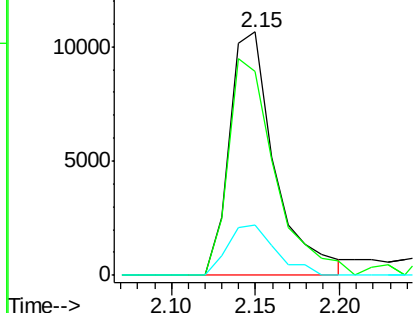
#5
Bromomethane
Concen: 19.160 ug/l
RT: 2.15 min Scan# 74
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS01

Tot Ion: 94 Resp: 19908
Ion Ratio Lower Upper
94 100
96 83.7 78.3 117.5
93 20.5 15.6 23.4

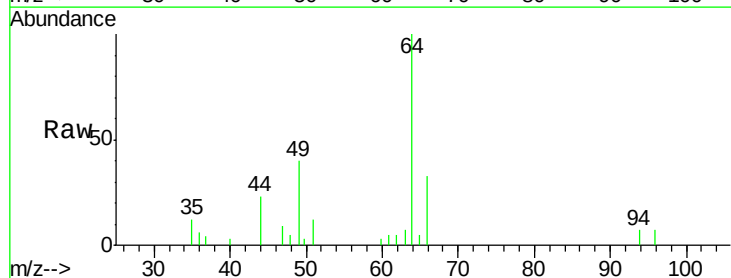


Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC

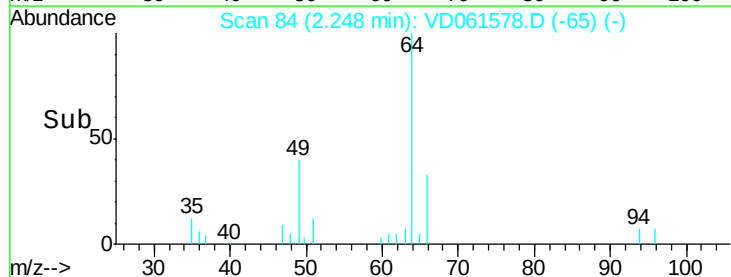
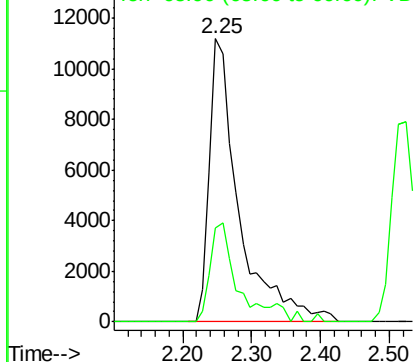


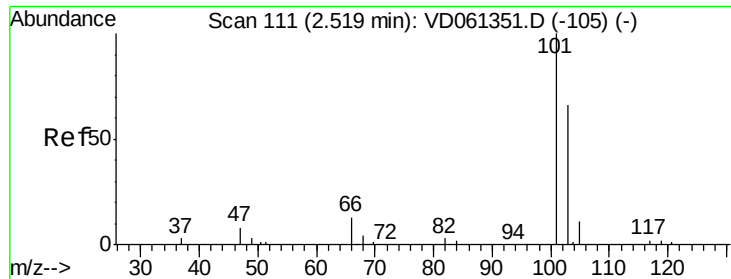
#6
Chloroethane
Concen: 21.817 ug/l
RT: 2.25 min Scan# 84
Delta R.T. -0.01 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Tgt Ion: 64 Resp: 33523
Ion Ratio Lower Upper
64 100
66 33.2 26.2 39.2



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



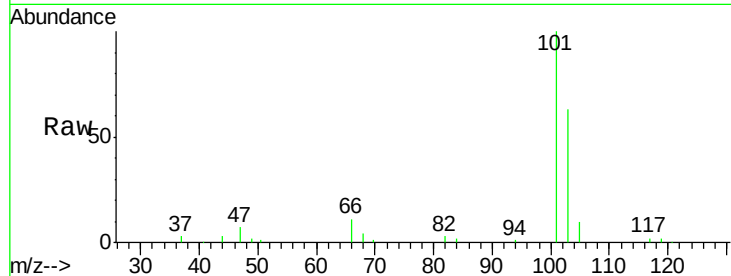


#7

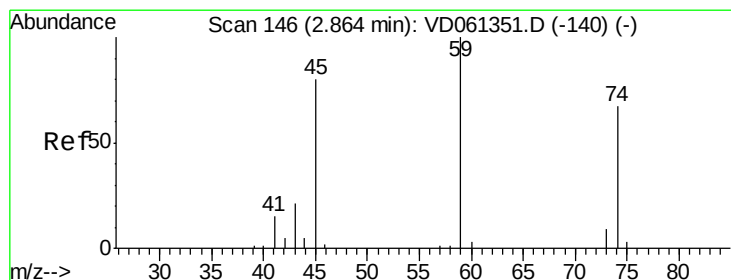
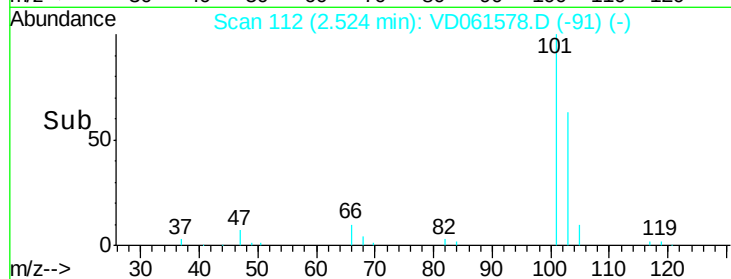
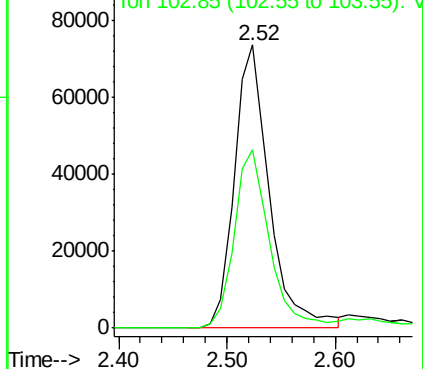
Trichlorofluoromethane
 Concen: 21.637 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: VD061578.D
 Acq: 4 Apr 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS01

Tot Ion:101 Resp: 164860
 Ion Ratio Lower Upper
 101 100
 103 62.9 53.1 79.7



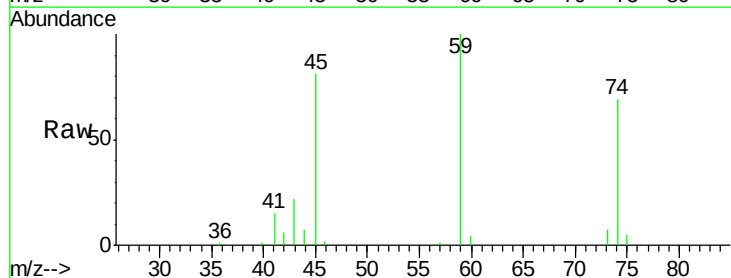
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



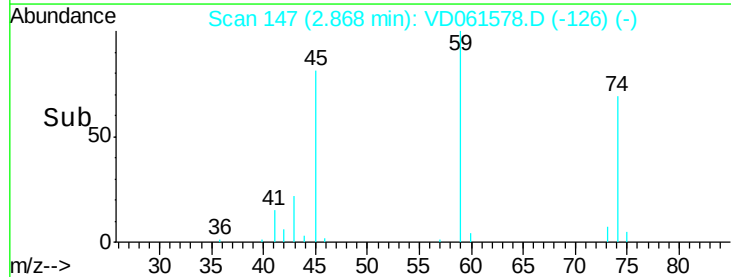
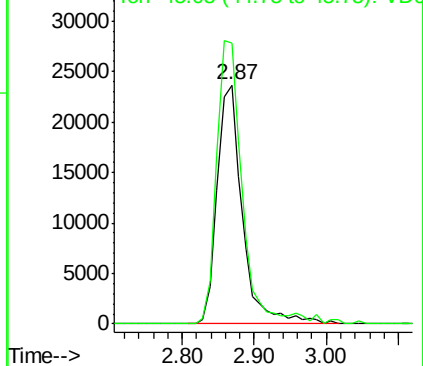
#8

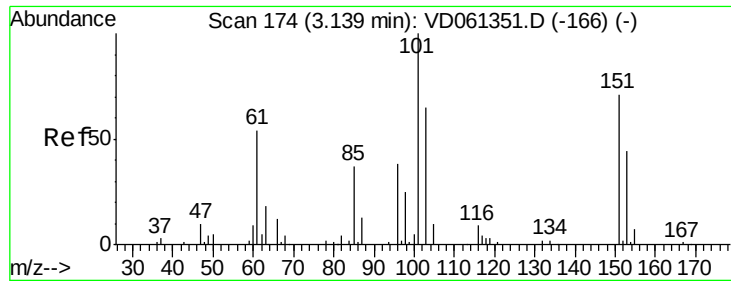
Diethyl Ether
 Concen: 23.218 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VD061578.D
 Acq: 4 Apr 2019 14:53

Tgt Ion: 74 Resp: 56957
 Ion Ratio Lower Upper
 74 100
 45 117.6 59.7 179.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.607 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS01

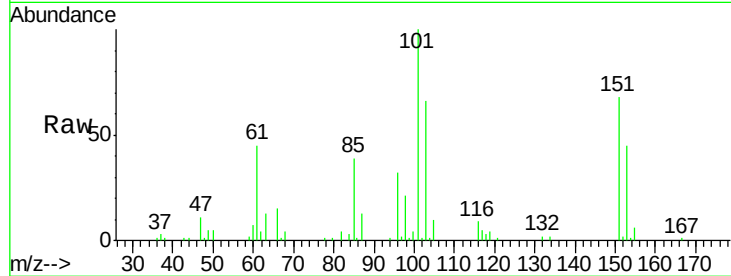
Tot Ion:101 Resp: 176989

Ion Ratio Lower Upper

101 100

85 38.9 29.4 44.0

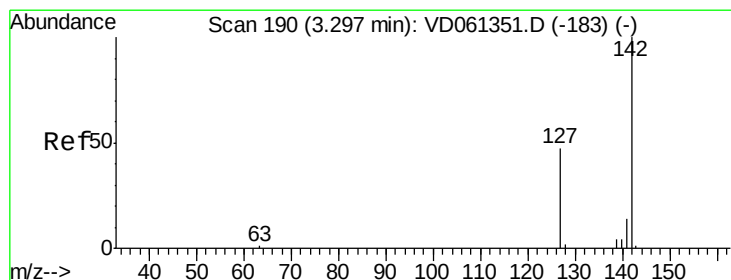
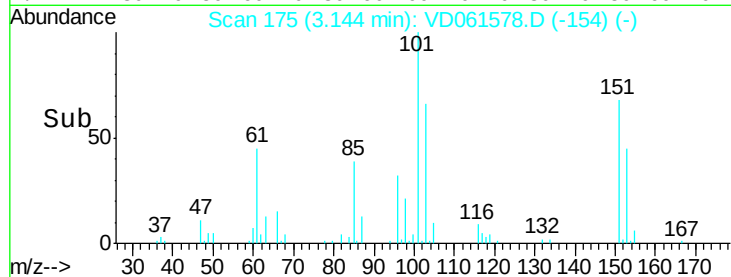
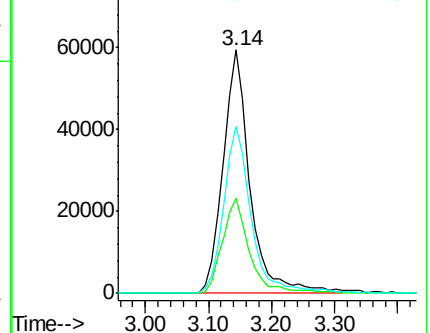
151 68.4 57.0 85.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.640 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

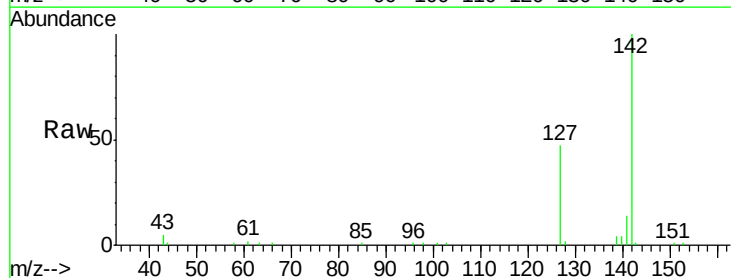
Tgt Ion:142 Resp: 216412

Ion Ratio Lower Upper

142 100

127 46.7 37.7 56.5

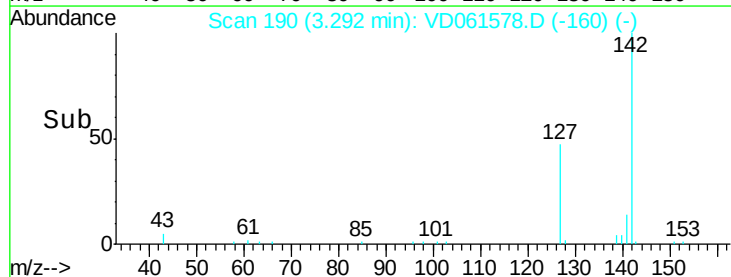
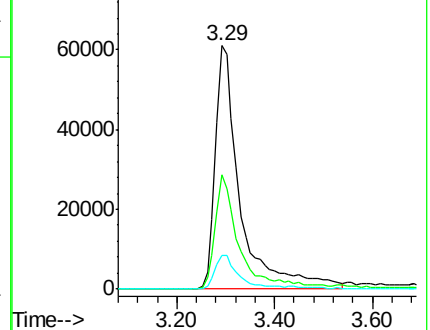
141 13.8 11.5 17.3

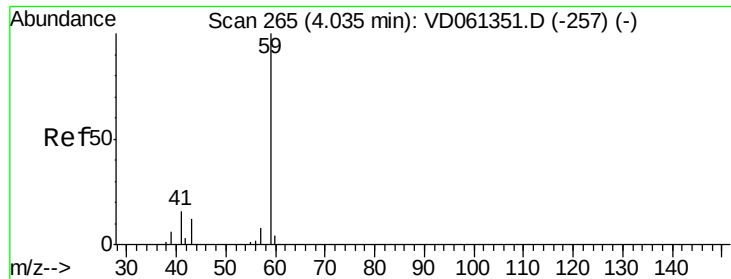


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



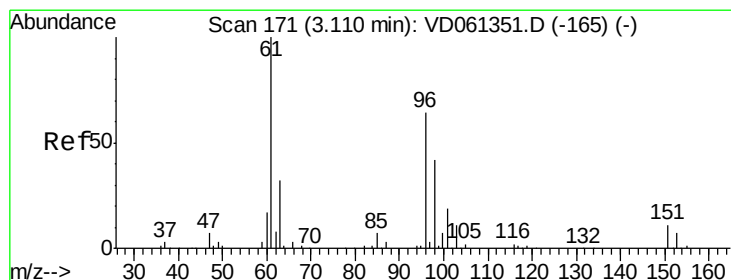
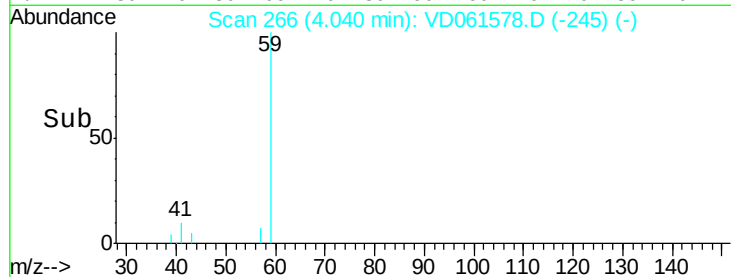
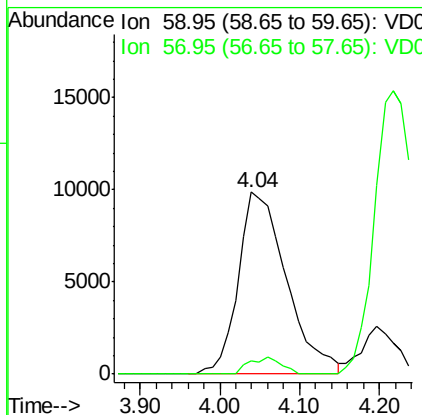
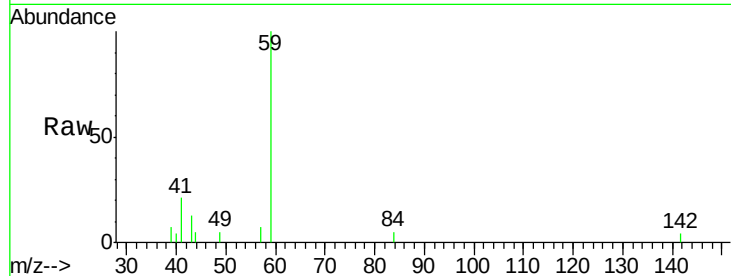


#11

Tert butyl alcohol
Concen: 118.920 ug/l
RT: 4.04 min Scan# 266
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS01

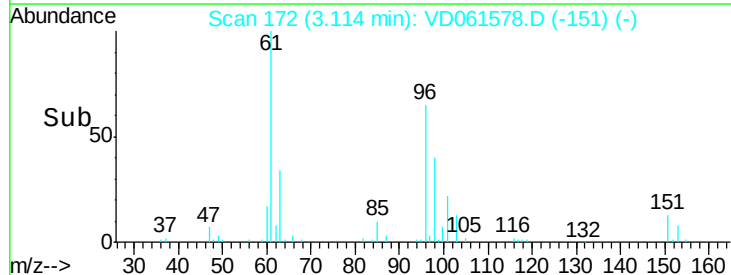
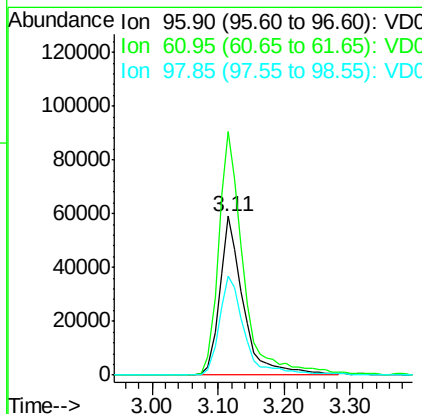
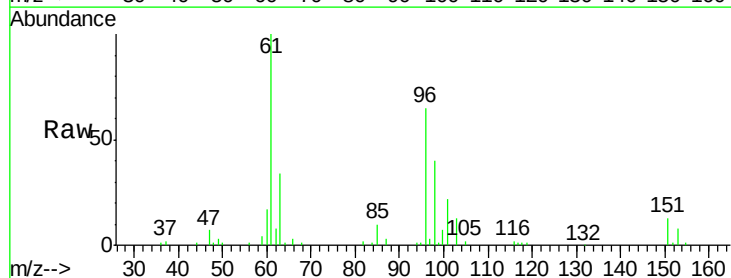
Tot Ion: 59 Resp: 41451
Ion Ratio Lower Upper
59 100
57 7.1 6.7 10.1

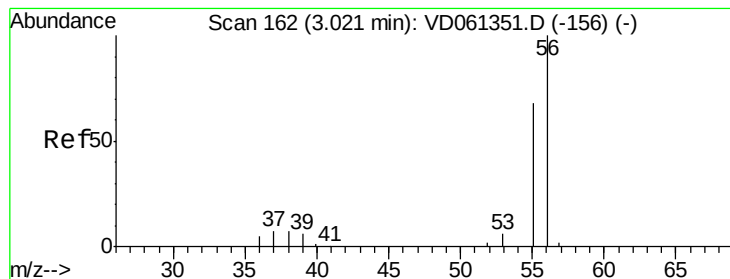


#12

1,1-Dichloroethene
Concen: 21.041 ug/l
RT: 3.11 min Scan# 172
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Tgt Ion: 96 Resp: 147973
Ion Ratio Lower Upper
96 100
61 153.1 124.9 187.3
98 61.8 52.5 78.7





#13

Acrolein

Concen: 71.440 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

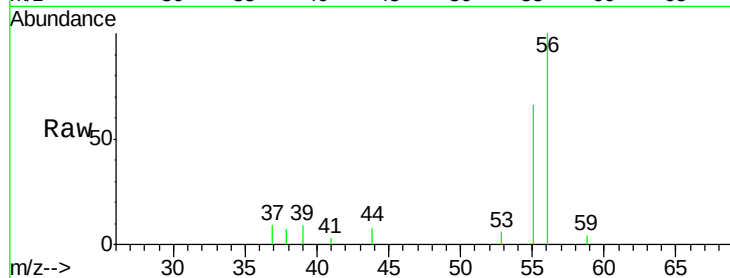
VD0404SBS01

Tot Ion: 56 Resp: 23319

Ion Ratio Lower Upper

56 100

55 66.1 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.03

10000

8000

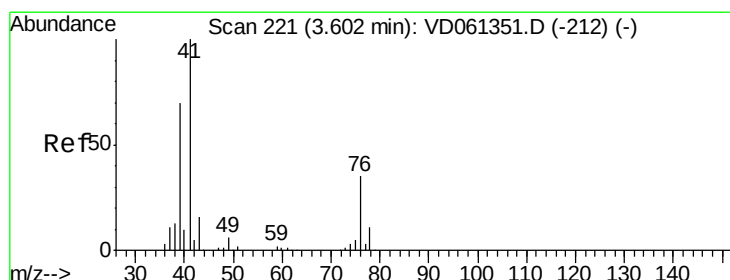
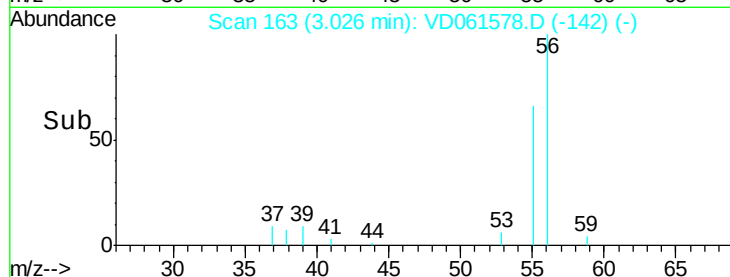
6000

4000

2000

0

Time--> 2.90 3.00 3.10



#14

Allyl chloride

Concen: 22.582 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

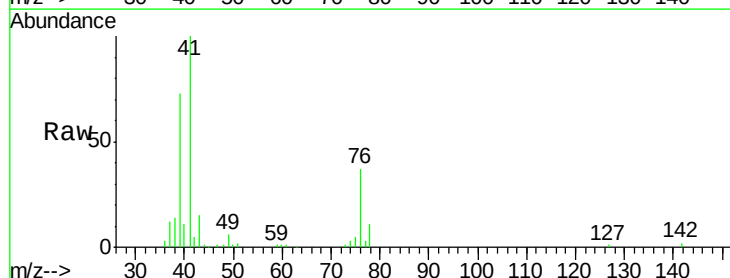
Tgt Ion: 41 Resp: 221506

Ion Ratio Lower Upper

41 100

39 72.7 55.6 83.4

76 36.7 31.0 46.6



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

3.61

100000

80000

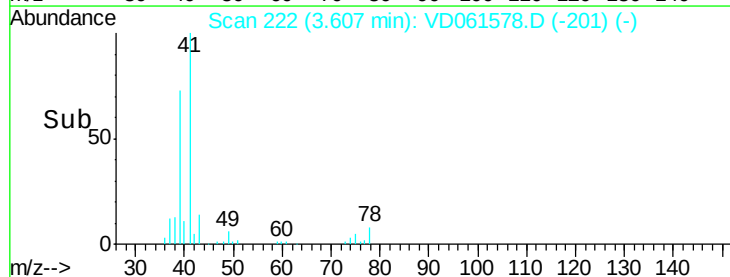
60000

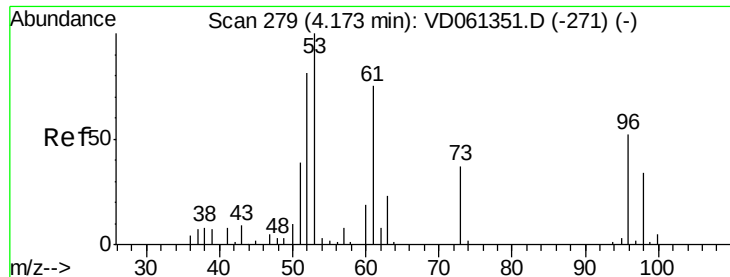
40000

20000

0

Time--> 3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 117.530 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS01

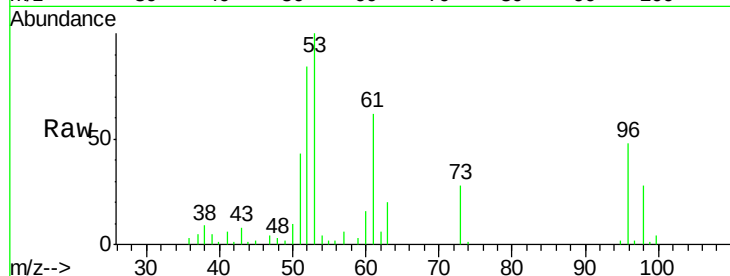
Tot Ion: 53 Resp: 142187

Ion Ratio Lower Upper

53 100

52 84.3 64.8 97.2

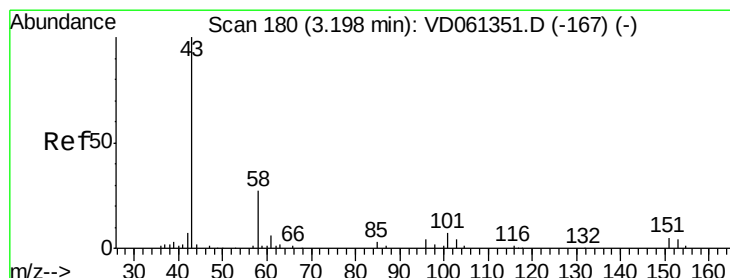
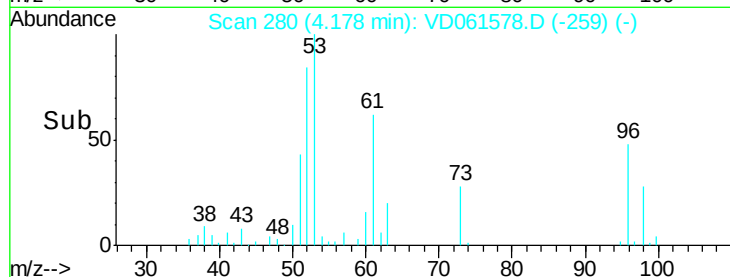
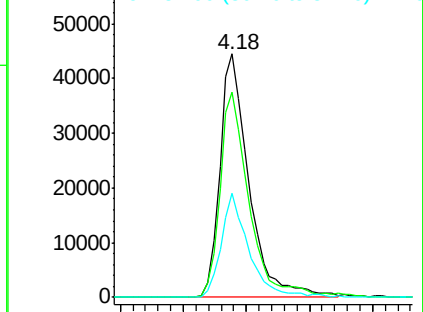
51 42.7 31.4 47.2



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: 117.679 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061578.D

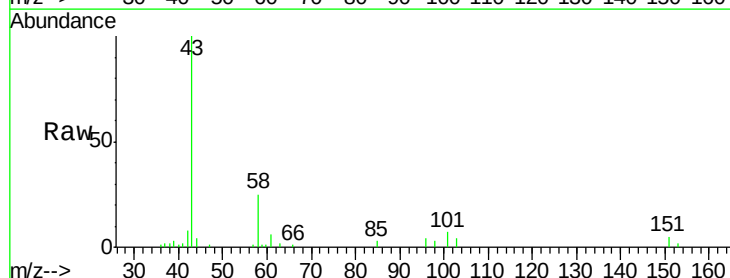
Acq: 4 Apr 2019 14:53

Tgt Ion: 43 Resp: 169317

Ion Ratio Lower Upper

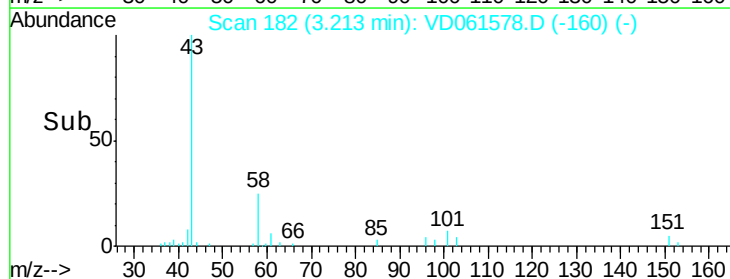
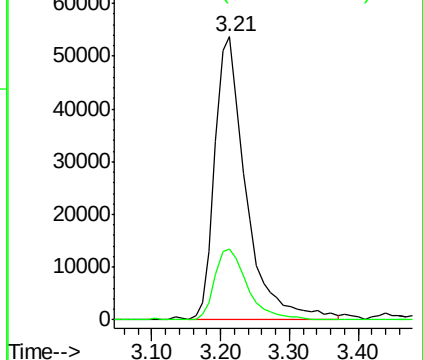
43 100

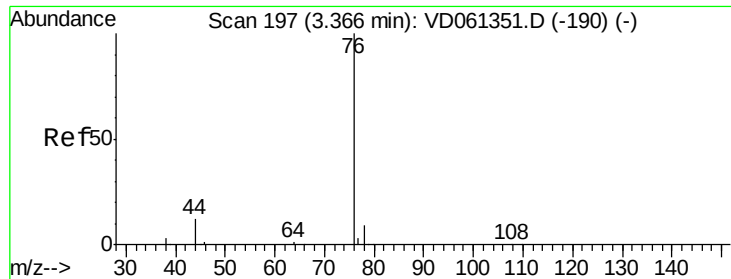
58 25.2 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

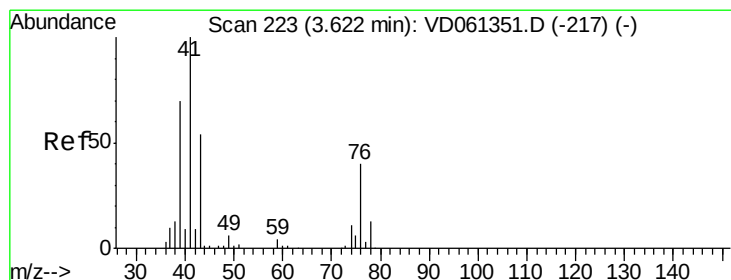
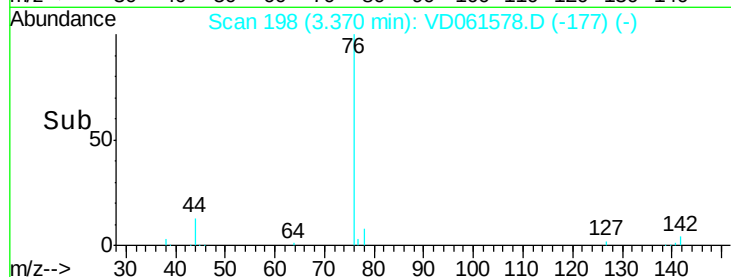
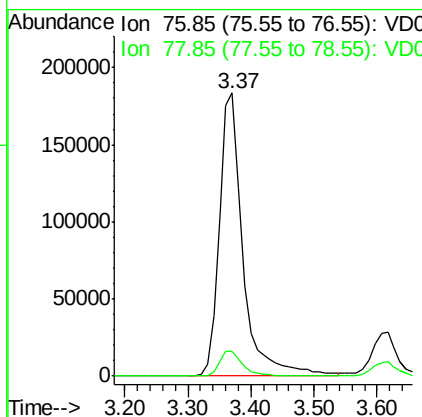
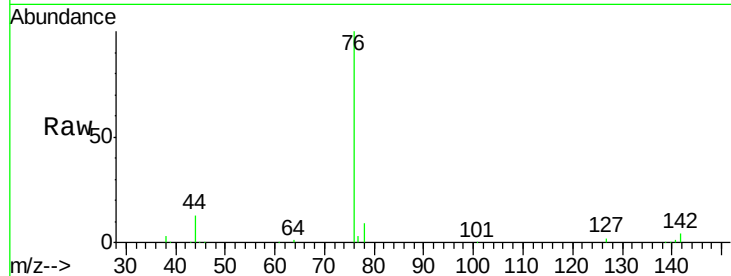




#17
Carbon Disulfide
Concen: 21.042 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

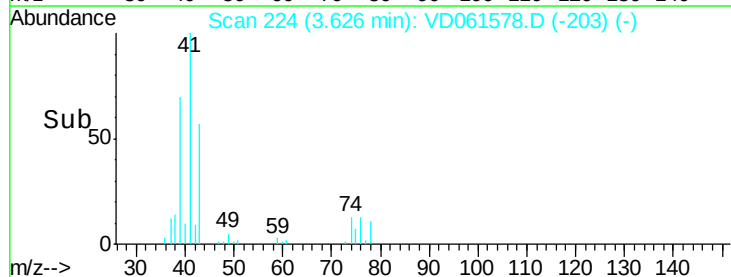
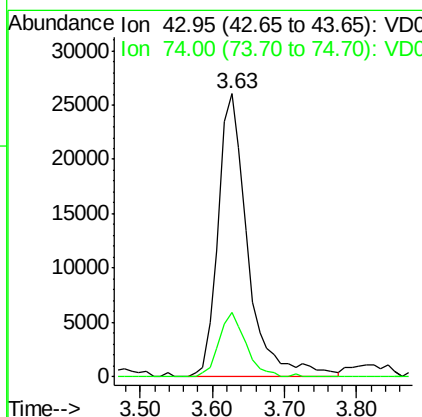
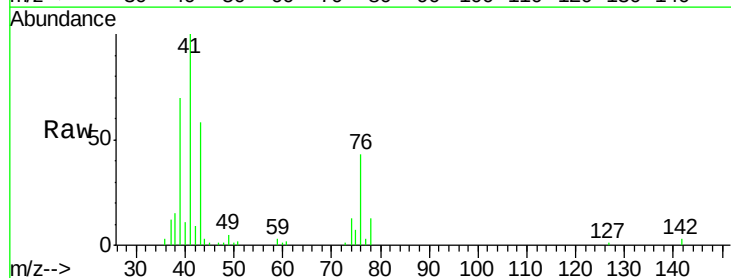
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS01

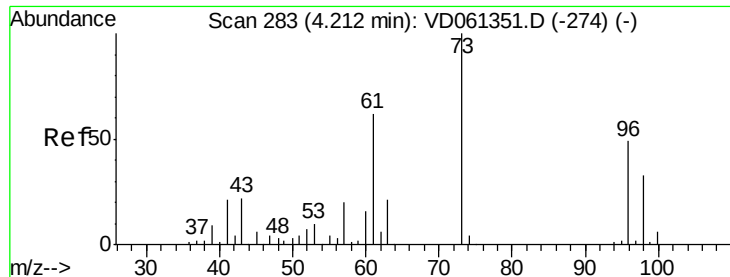
Tot Ion: 76 Resp: 480803
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 24.442 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Tgt Ion: 43 Resp: 73940
Ion Ratio Lower Upper
43 100
74 22.9 16.7 25.1

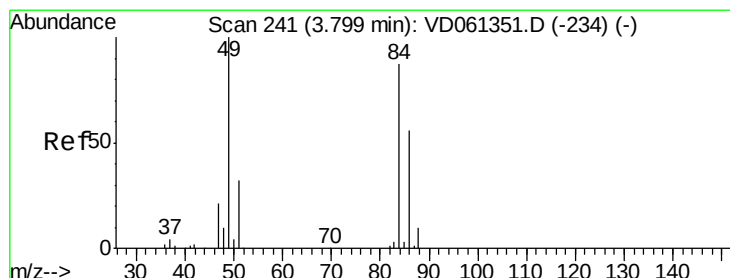
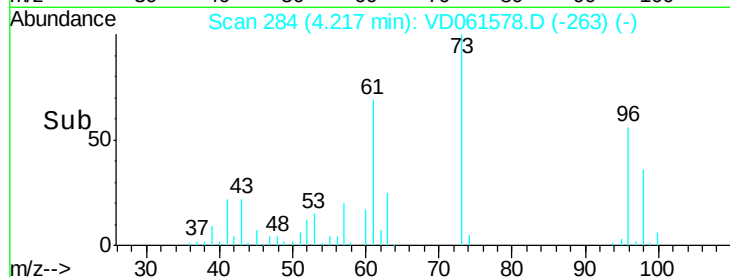
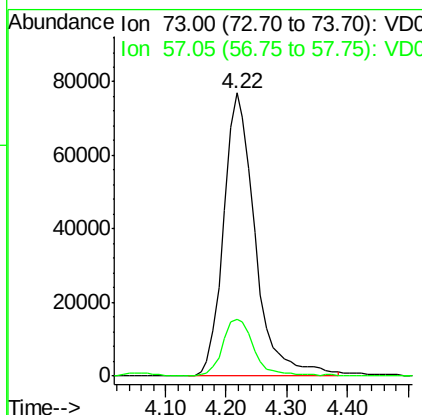
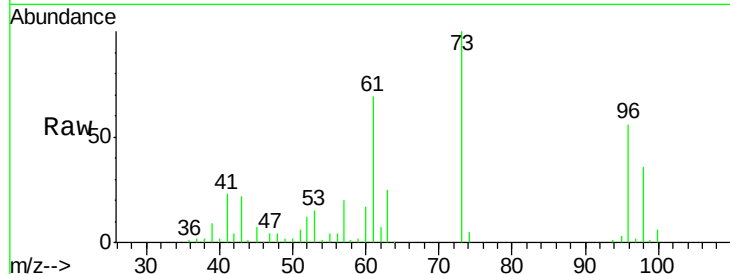




#19
Methyl tert-butyl Ether
Concen: 22.879 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

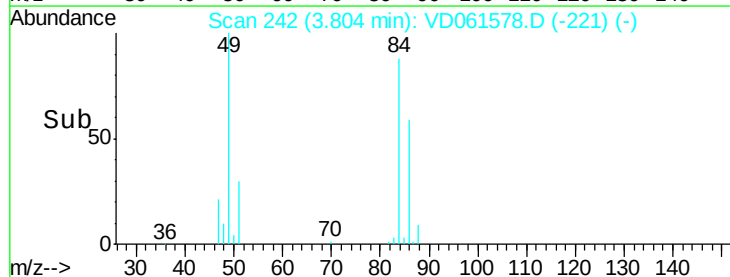
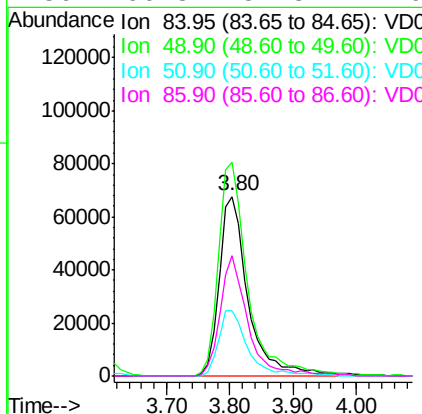
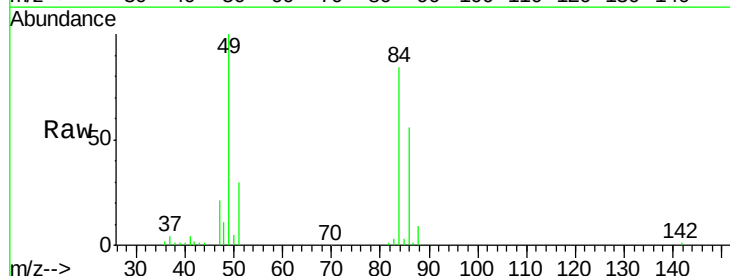
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS01

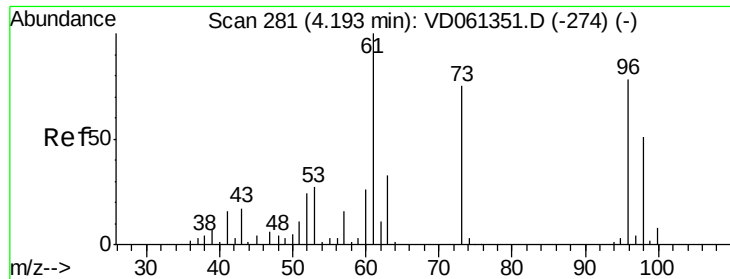
Tot Ion: 73 Resp: 278525
Ion Ratio Lower Upper
73 100
57 20.0 16.4 24.6



#20
Methylene Chloride
Concen: 25.759 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Tgt Ion: 84 Resp: 215120
Ion Ratio Lower Upper
84 100
49 118.8 91.8 137.8
51 36.1 29.8 44.8
86 66.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 22.483 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS01

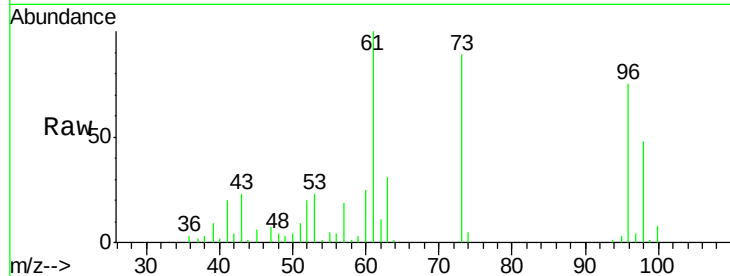
Tot Ion: 96 Resp: 170711

Ion Ratio Lower Upper

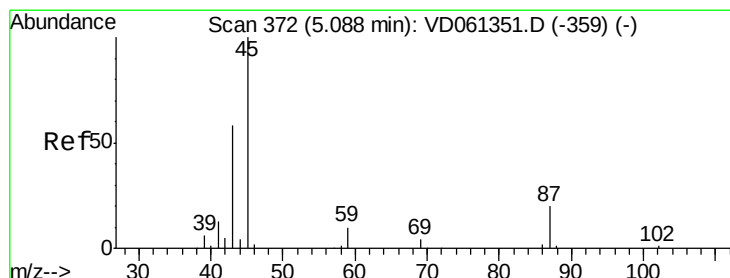
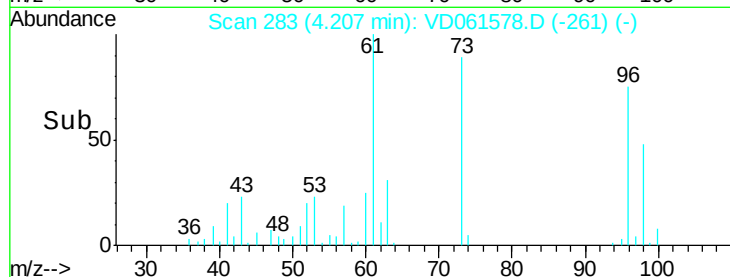
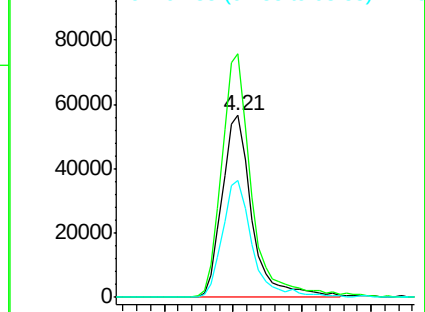
96 100

61 134.0 102.7 154.1

98 64.4 52.2 78.4



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



#22

Diisopropyl ether

Concen: 22.006 ug/l

RT: 5.09 min Scan# 373

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Tgt Ion: 45 Resp: 456793

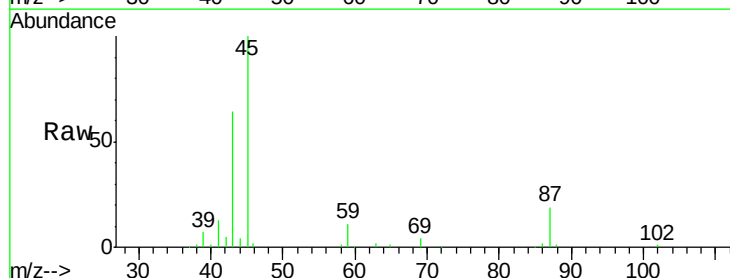
Ion Ratio Lower Upper

45 100

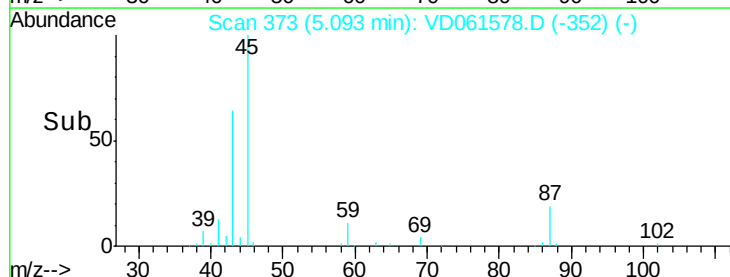
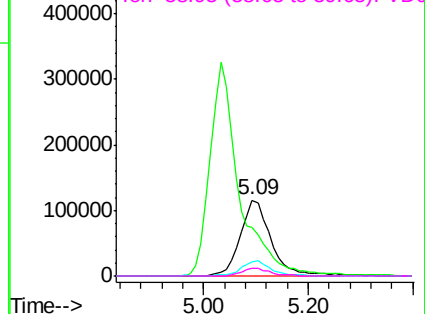
43 63.9 47.4 71.2

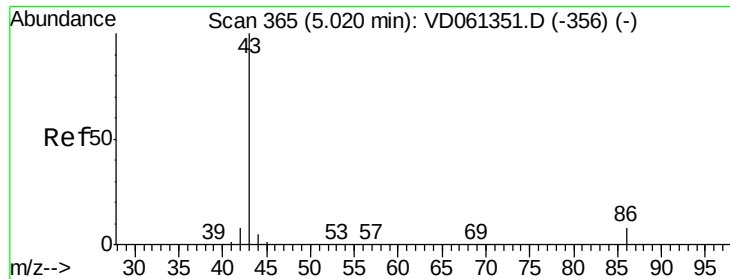
87 18.8 16.3 24.5

59 11.0 8.4 12.6



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: 111.436 ug/l

RT: 5.03 min Scan# 367

Delta R.T. 0.01 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

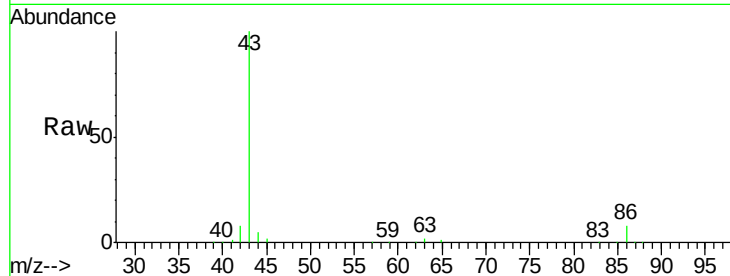
VD0404SBS01

Tot Ion: 43 Resp: 1256474

Ion Ratio Lower Upper

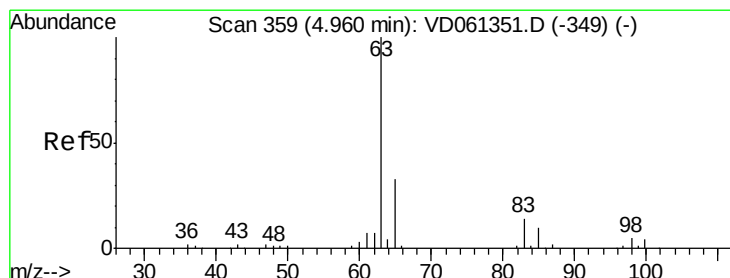
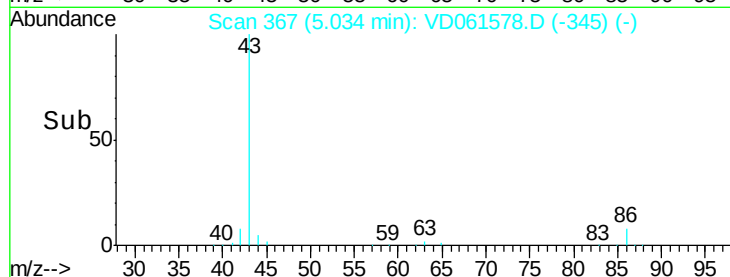
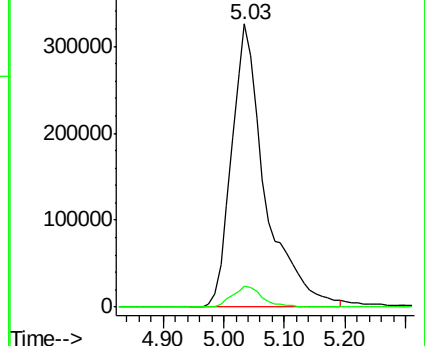
43 100

86 7.5 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.780 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

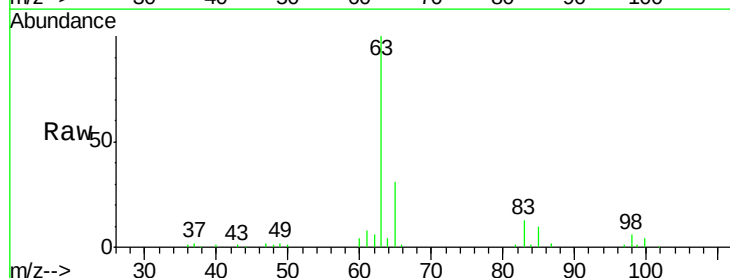
Tgt Ion: 63 Resp: 265692

Ion Ratio Lower Upper

63 100

98 5.6 2.6 8.0

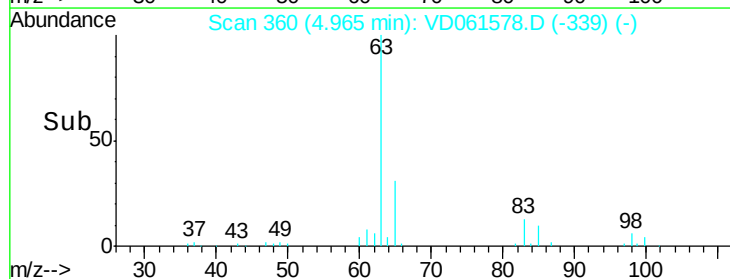
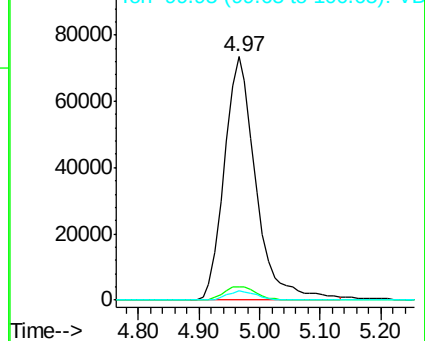
100 4.0 1.8 5.3

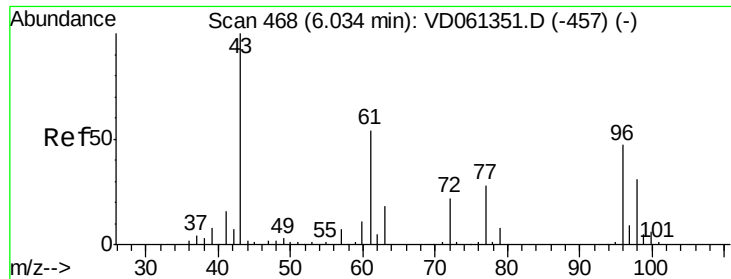


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 112.240 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

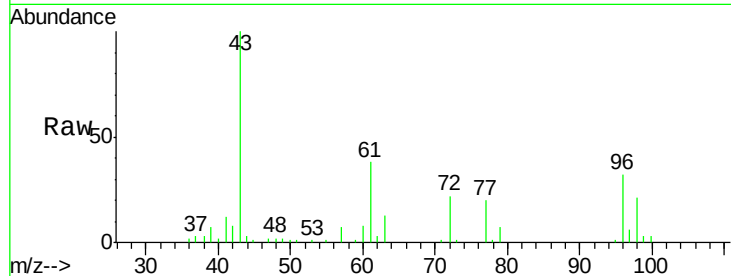
VD0404SBS01

Tot Ion: 43 Resp: 203141

Ion Ratio Lower Upper

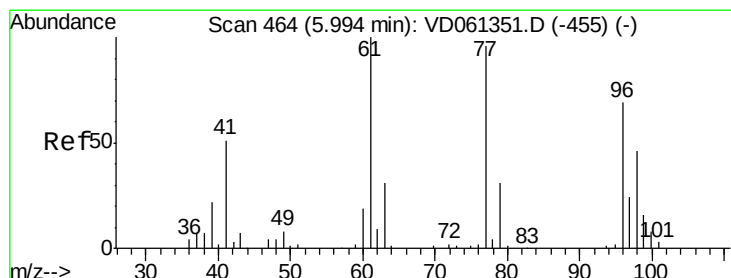
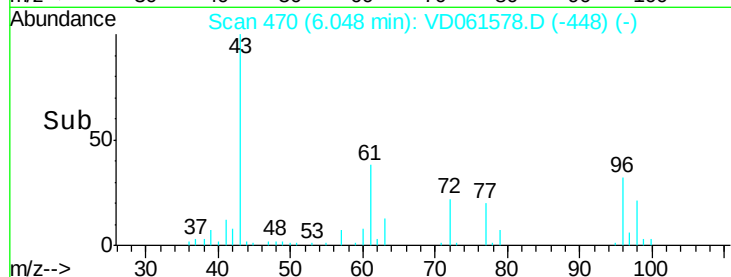
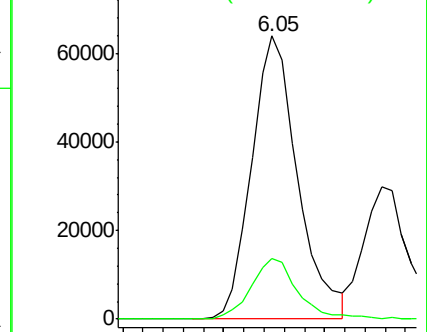
43 100

72 21.6 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 23.092 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD061578.D

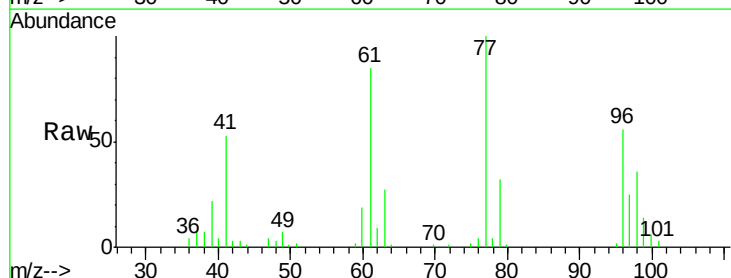
Acq: 4 Apr 2019 14:53

Tgt Ion: 77 Resp: 223931

Ion Ratio Lower Upper

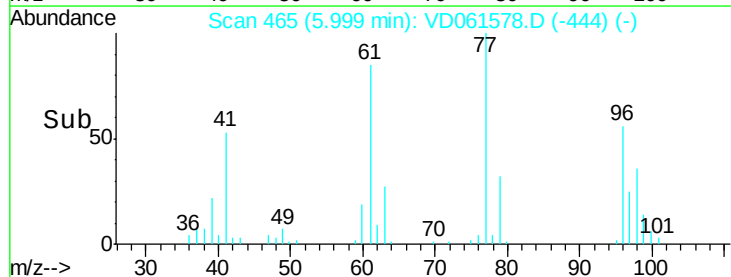
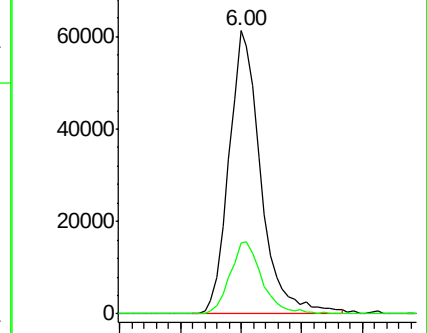
77 100

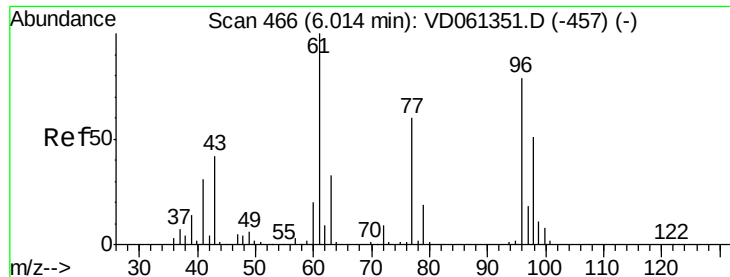
97 25.2 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



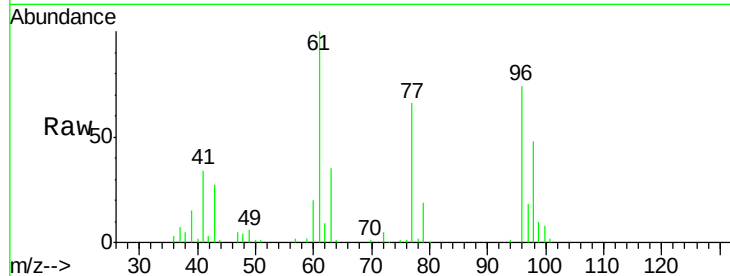


#27

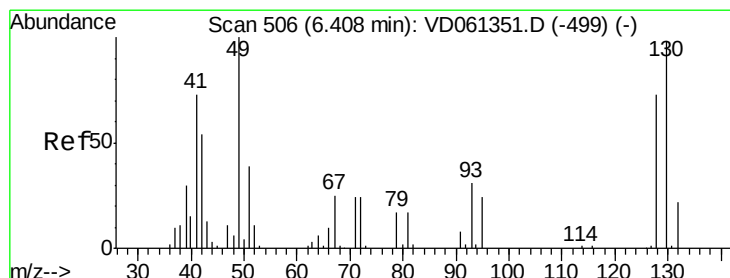
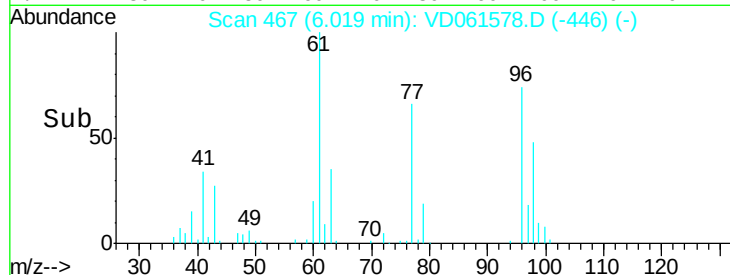
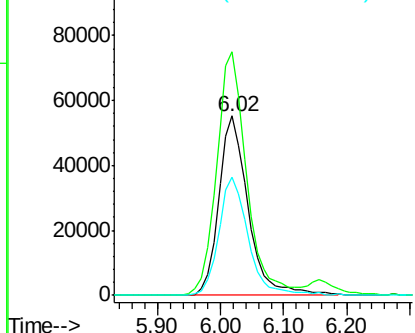
cis-1,2-Dichloroethene
Concen: 21.535 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS01

Tot Ion: 96 Resp: 179150
Ion Ratio Lower Upper
96 100
61 135.8 0.0 251.6
98 65.7 0.0 129.2



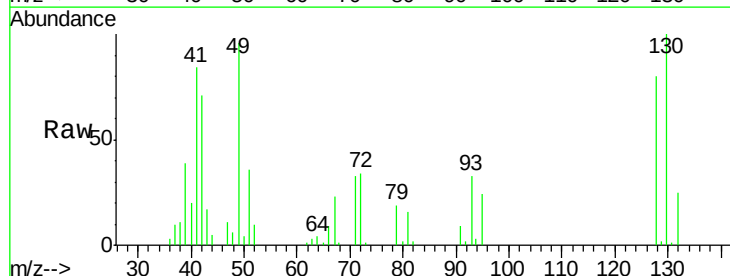
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



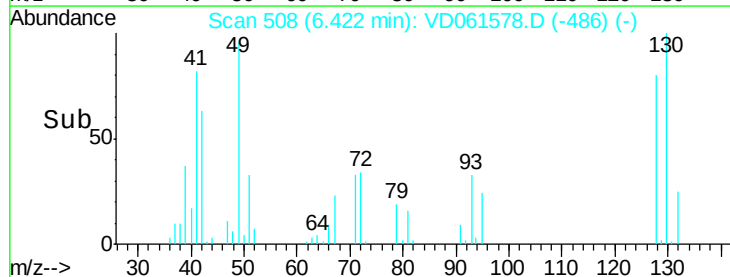
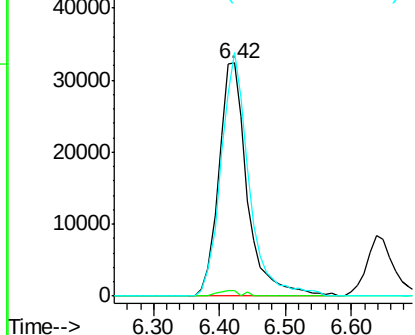
#28

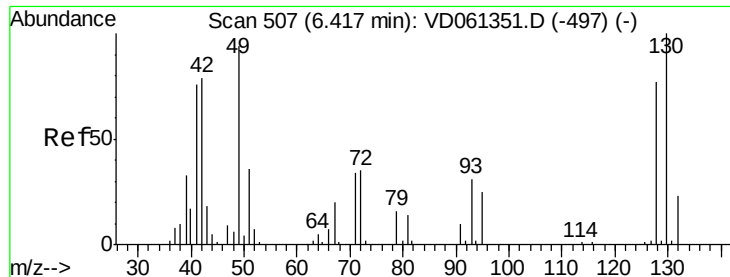
Bromochloromethane
Concen: 19.842 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Tgt Ion: 49 Resp: 97708
Ion Ratio Lower Upper
49 100
129 2.4 0.0 0.0#
130 104.6 78.4 117.6



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

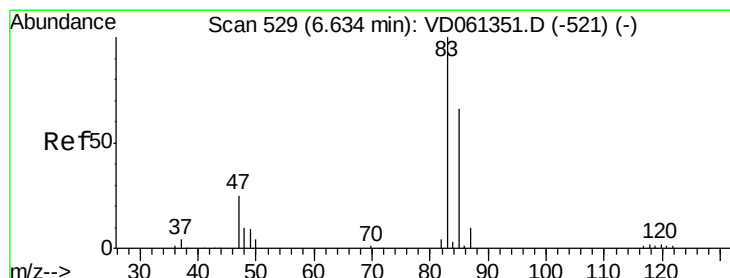
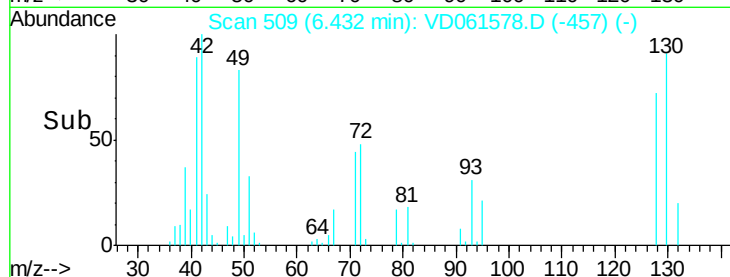
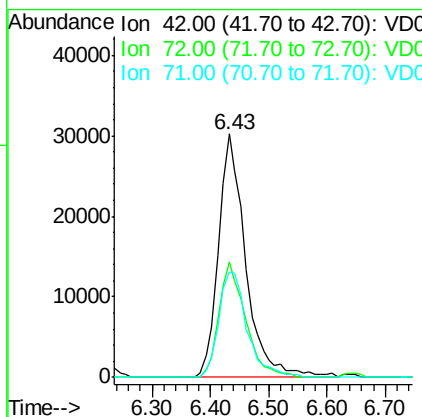
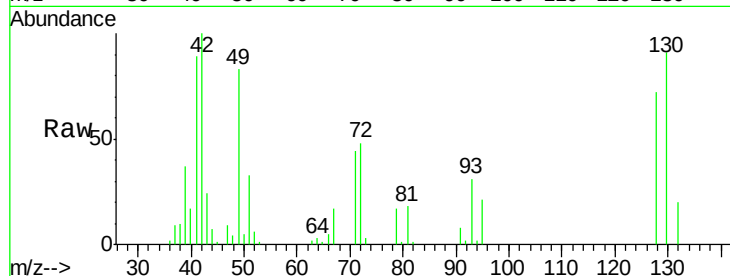




#29
Tetrahydrofuran
Concen: 111.499 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

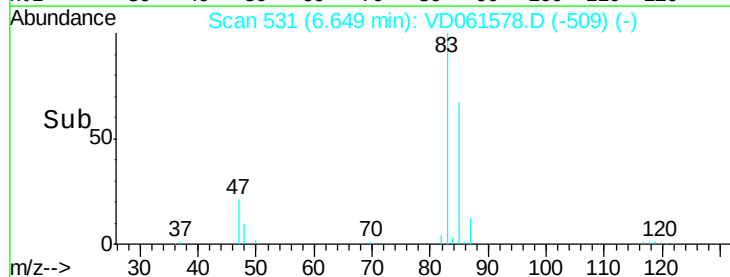
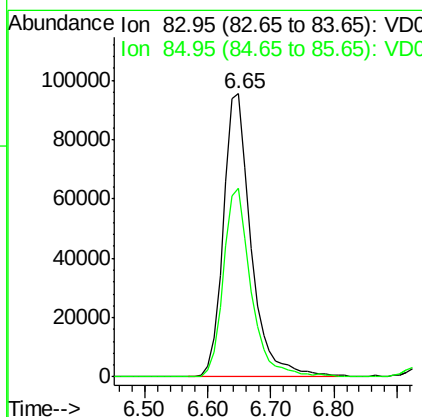
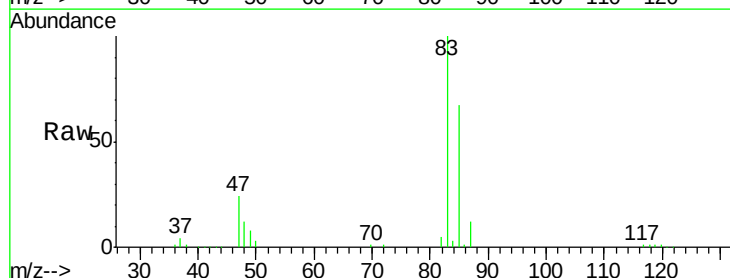
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS01

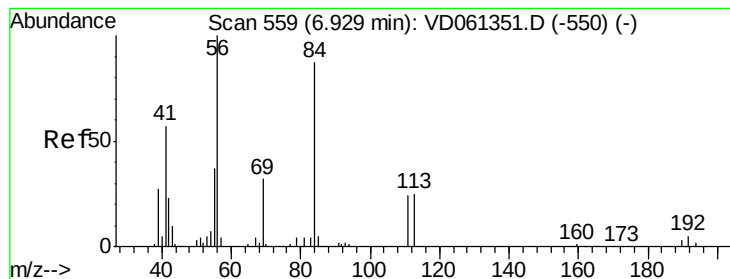
Tot Ion: 42 Resp: 97812
Ion Ratio Lower Upper
42 100
72 46.4 37.4 56.0
71 45.4 36.7 55.1



#30
Chloroform
Concen: 23.069 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.01 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Tgt Ion: 83 Resp: 290782
Ion Ratio Lower Upper
83 100
85 66.8 53.0 79.4





#31

Cyclohexane

Concen: 21.972 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS01

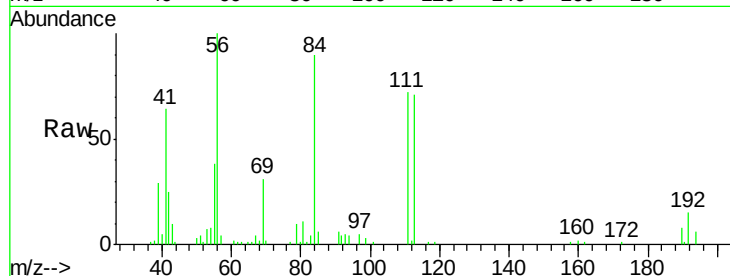
Tot Ion: 56 Resp: 211809

Ion Ratio Lower Upper

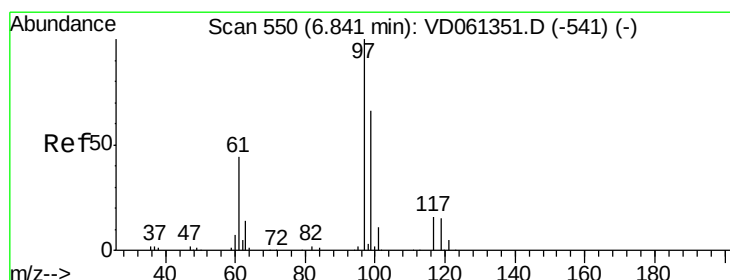
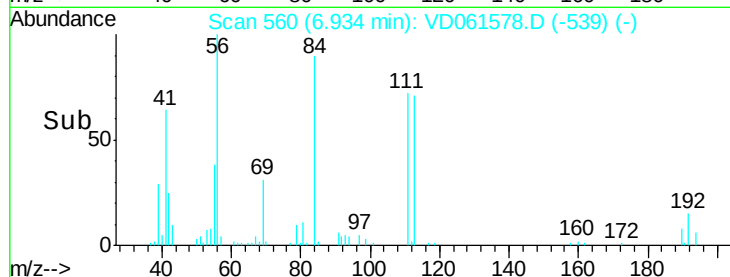
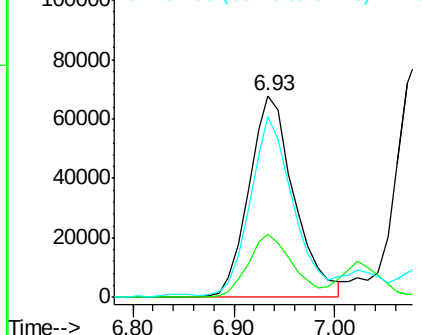
56 100

69 31.5 25.7 38.5

84 89.8 70.6 105.8



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: 22.431 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.01 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

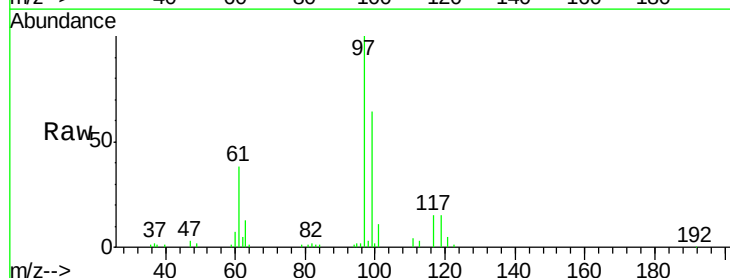
Tgt Ion: 97 Resp: 249436

Ion Ratio Lower Upper

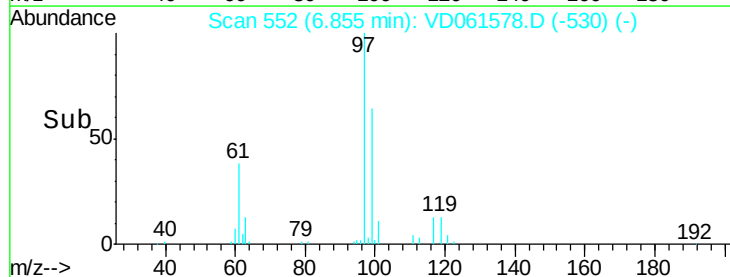
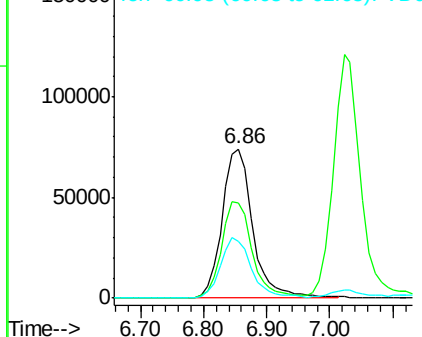
97 100

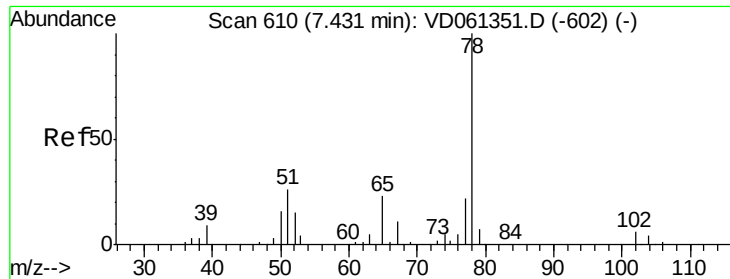
99 63.6 53.1 79.7

61 38.2 35.5 53.3



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

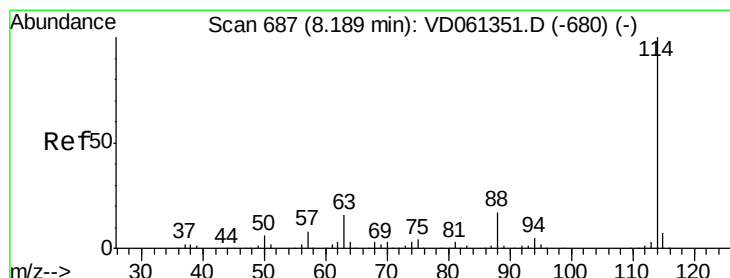
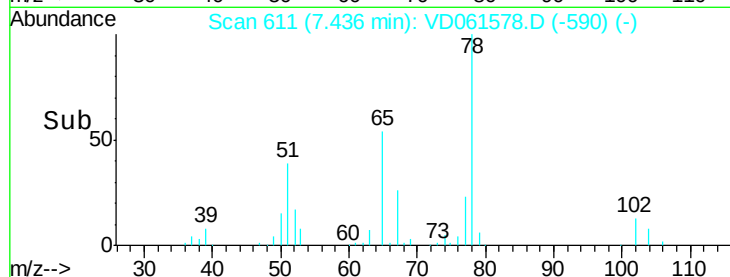
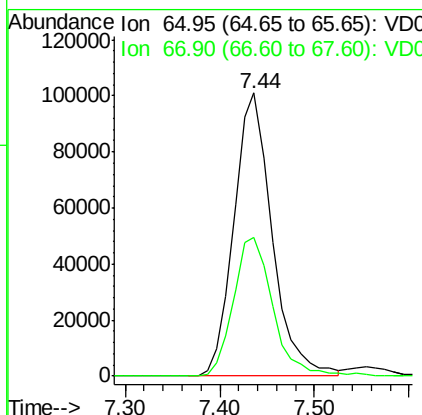
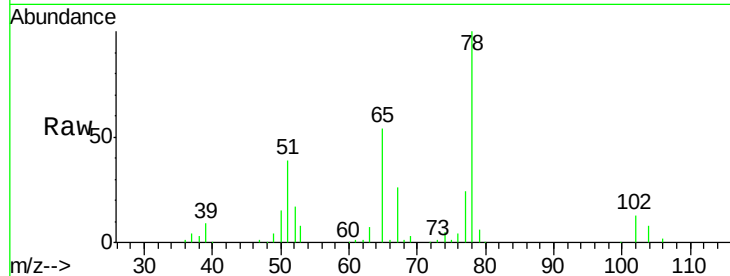




#33
 1,2-Dichloroethane-d4
 Concen: 22.431 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD061578.D
 Acq: 4 Apr 2019 14:53

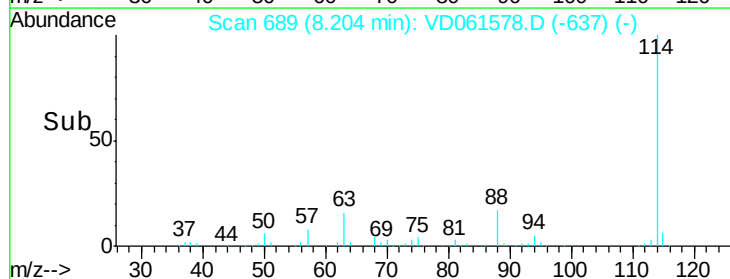
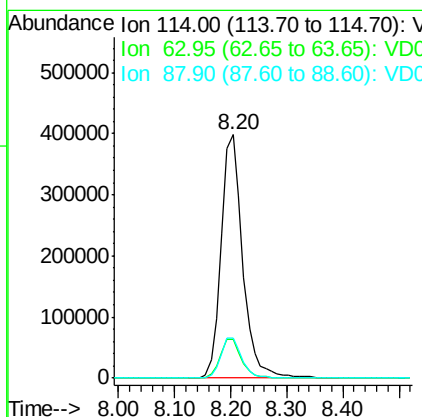
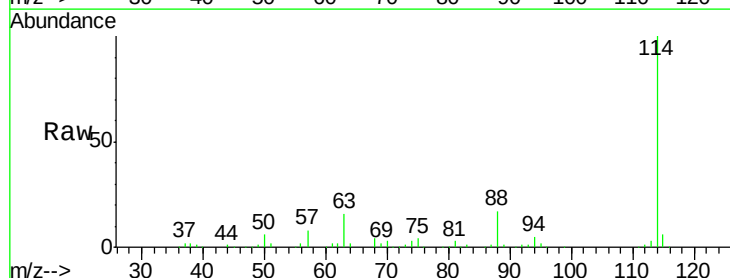
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS01

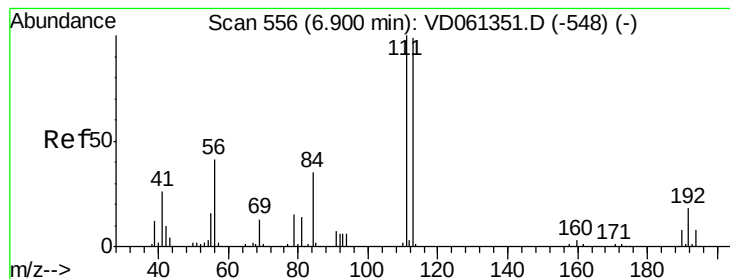
Tot Ion: 65 Resp: 282228
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD061578.D
 Acq: 4 Apr 2019 14:53

Tgt Ion: 114 Resp: 1068455
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.6
 88 16.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.90 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS01

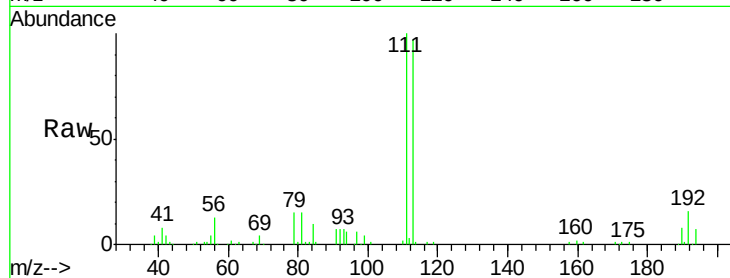
Tot Ion:113 Resp: 406389

Ion Ratio Lower Upper

113 100

111 102.8 81.0 121.6

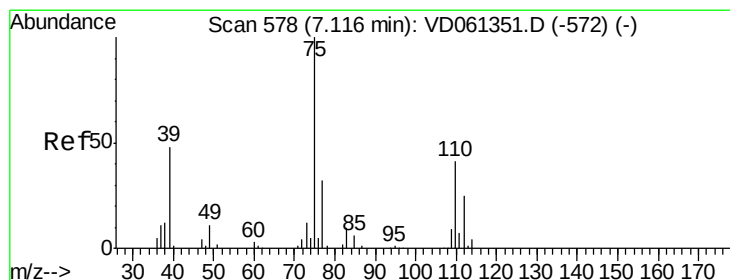
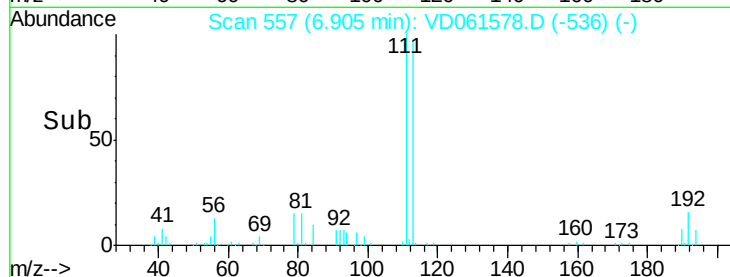
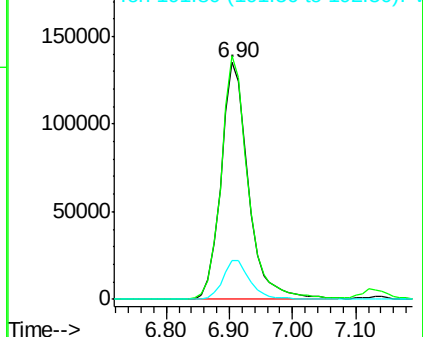
192 16.2 14.4 21.6



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: 24.181 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.01 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

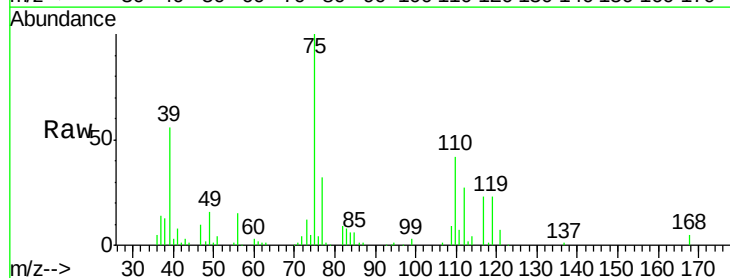
Tgt Ion: 75 Resp: 225493

Ion Ratio Lower Upper

75 100

110 42.4 20.4 61.3

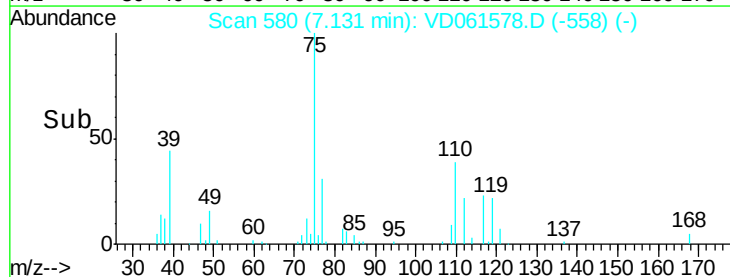
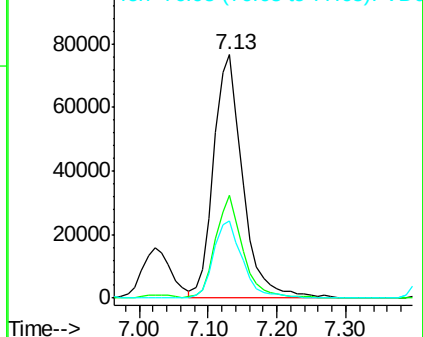
77 31.8 24.9 37.3

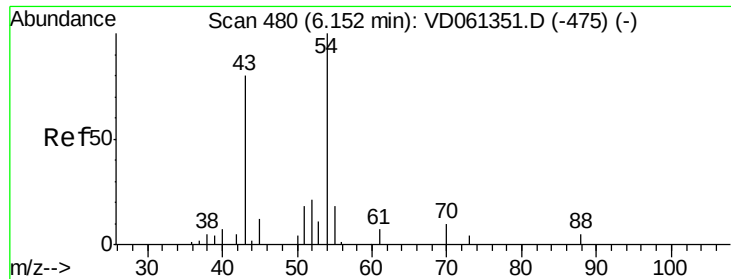


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

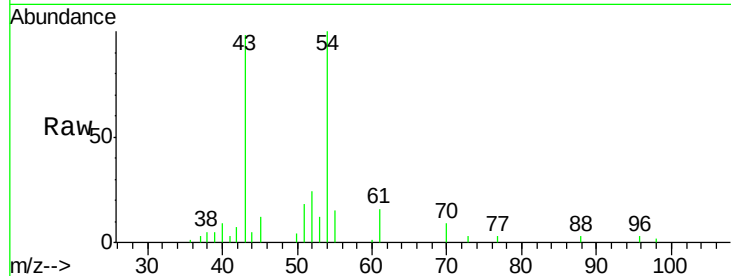




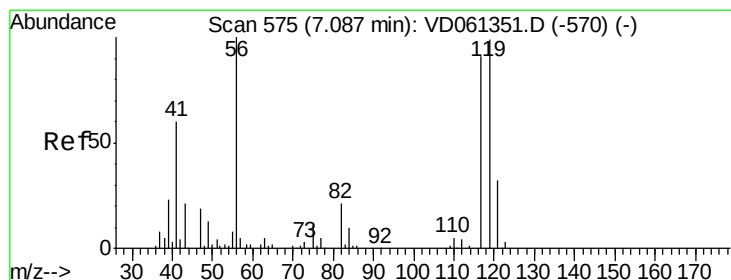
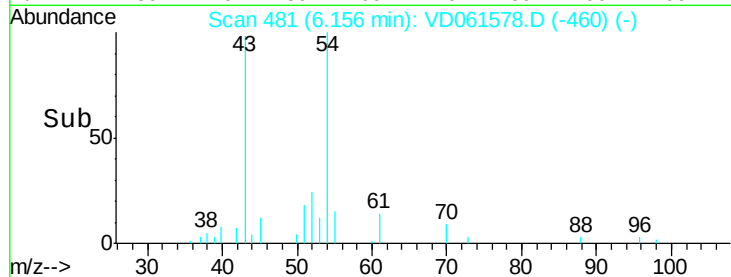
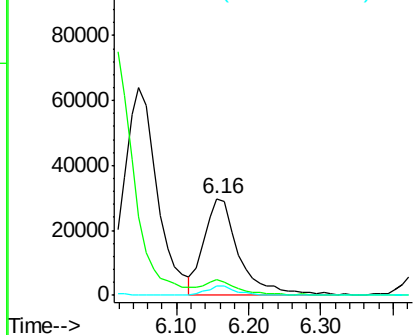
#37
Ethyl Acetate
Concen: 24.428 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleID :
VD0404SBS01

Tot Ion: 43 Resp: 97424
Ion Ratio Lower Upper
43 100
61 16.7 13.8 20.8
70 9.2 7.8 11.8

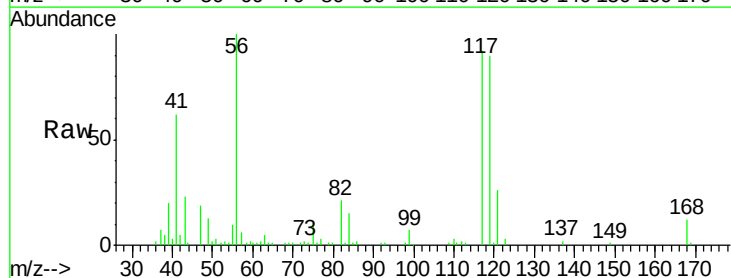


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

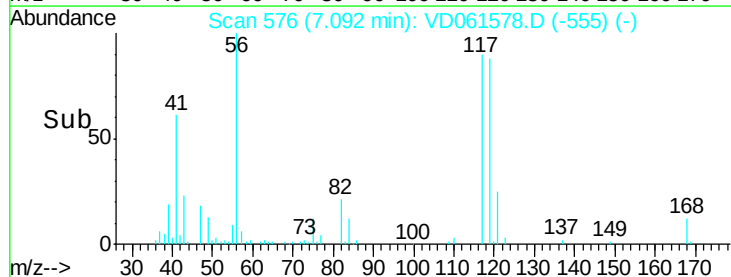
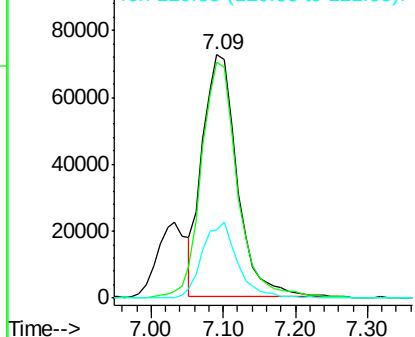


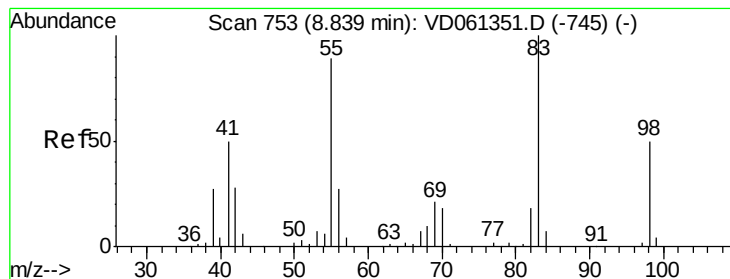
#38
Carbon Tetrachloride
Concen: 22.496 ug/l
RT: 7.09 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Tgt Ion: 117 Resp: 241053
Ion Ratio Lower Upper
117 100
119 97.1 80.1 120.1
121 27.8 25.6 38.4



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





#39

Methylvlcyclohexane

Concen: 23.412 ug/l

RT: 8.84 min Scan# 754

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS01

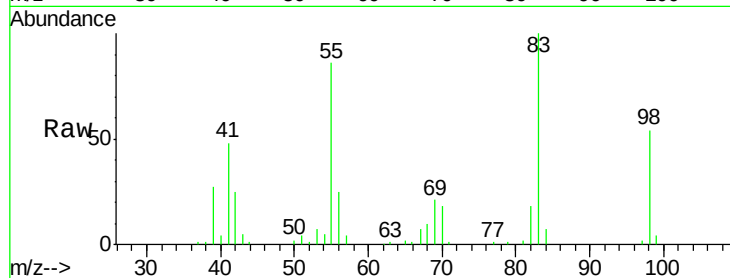
Tot Ion: 83 Resp: 227383

Ion Ratio Lower Upper

83 100

55 85.8 71.5 107.3

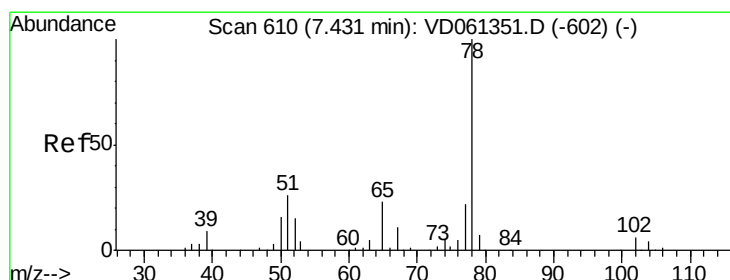
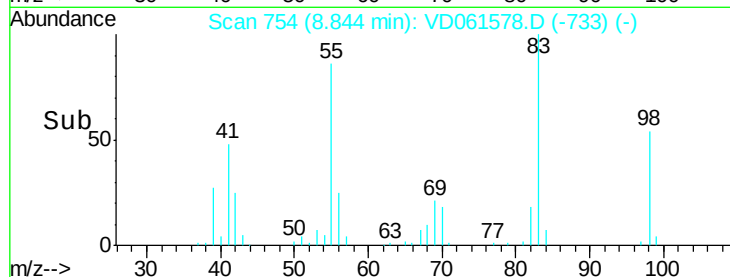
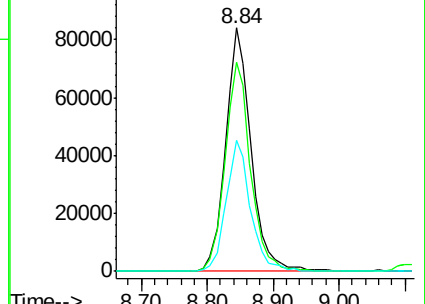
98 53.9 40.3 60.5



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: 23.682 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD061578.D

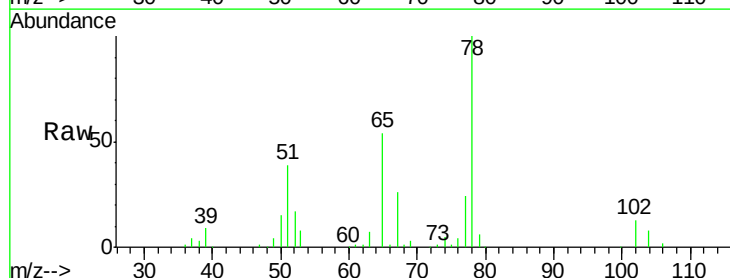
Acq: 4 Apr 2019 14:53

Tgt Ion: 78 Resp: 554235

Ion Ratio Lower Upper

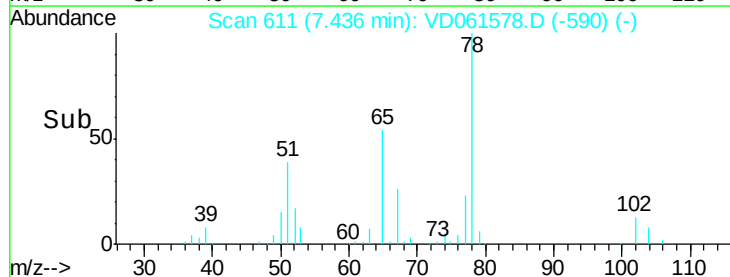
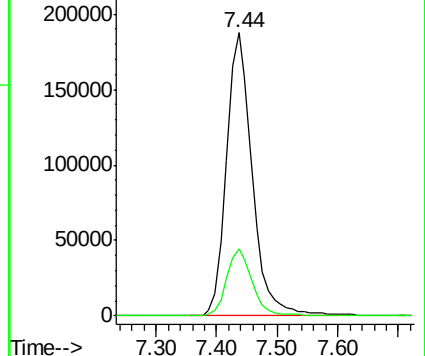
78 100

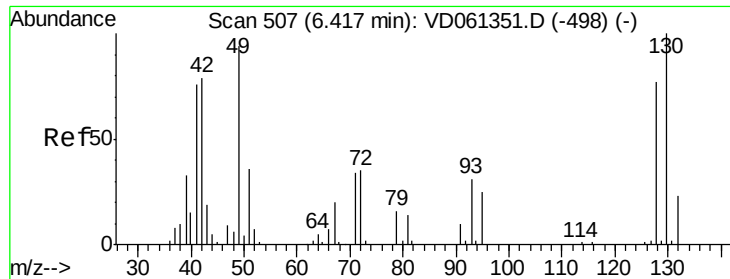
77 23.7 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 23.633 ug/l

RT: 6.42 min Scan# 508

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS01

Tot Ion: 41 Resp: 110204

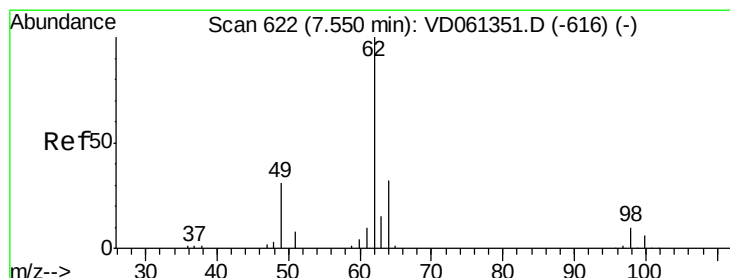
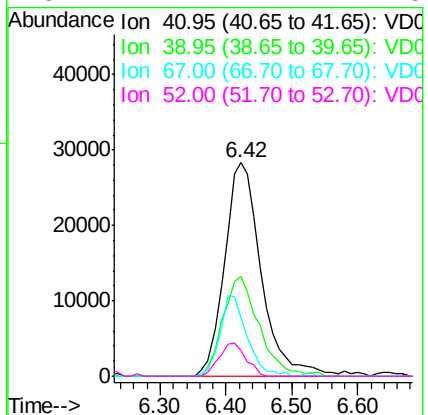
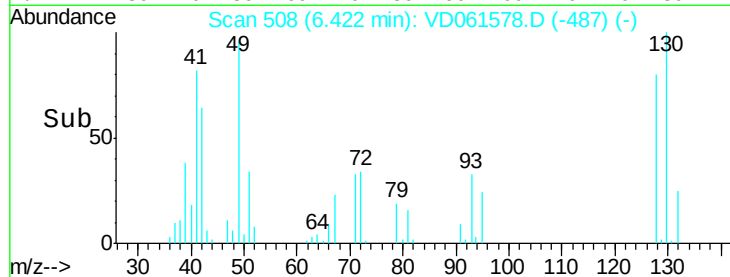
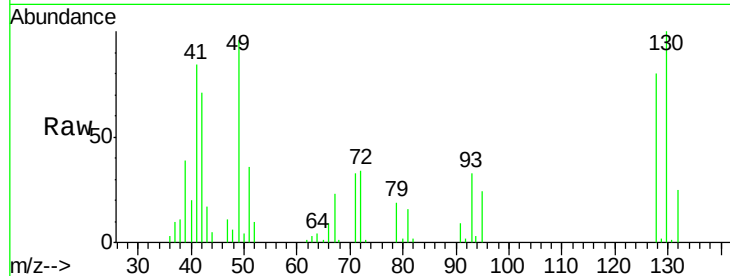
Ion Ratio Lower Upper

41 100

39 46.8 35.0 52.6

67 27.4 21.0 31.6

52 12.1 7.7 11.5#



#42

1,2-Dichloroethane

Concen: 24.953 ug/l

RT: 7.56 min Scan# 624

Delta R.T. 0.01 min

Lab File: VD061578.D

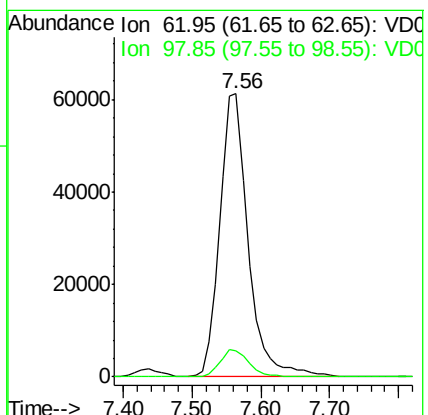
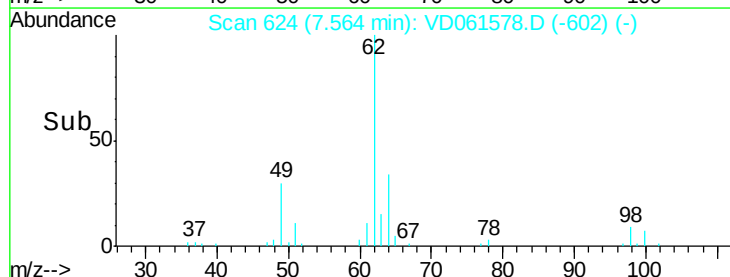
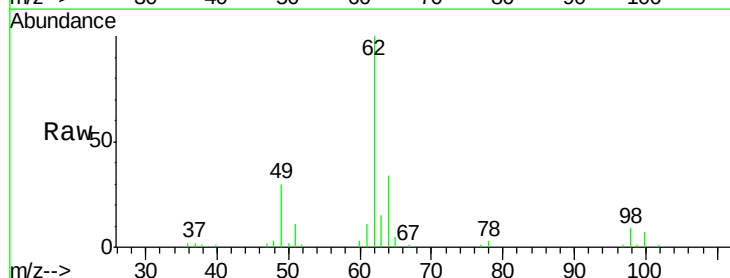
Acq: 4 Apr 2019 14:53

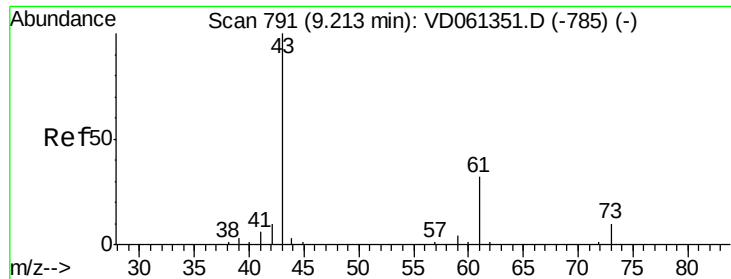
Tgt Ion: 62 Resp: 174687

Ion Ratio Lower Upper

62 100

98 9.2 0.0 19.8





#43

Isopropyl Acetate

Concen: 23.739 ug/l

RT: 9.22 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS01

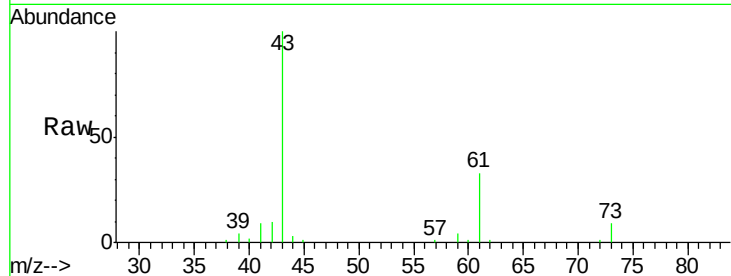
Tot Ion: 43 Resp: 137749

Ion Ratio Lower Upper

43 100

61 33.3 25.8 38.6

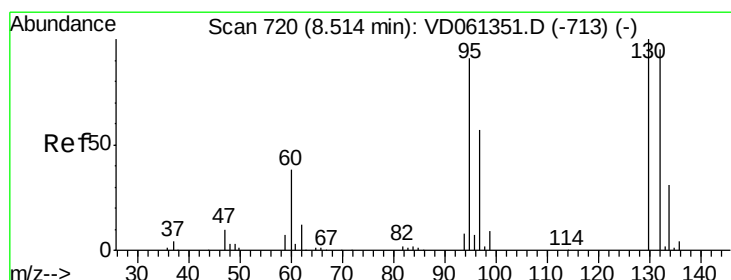
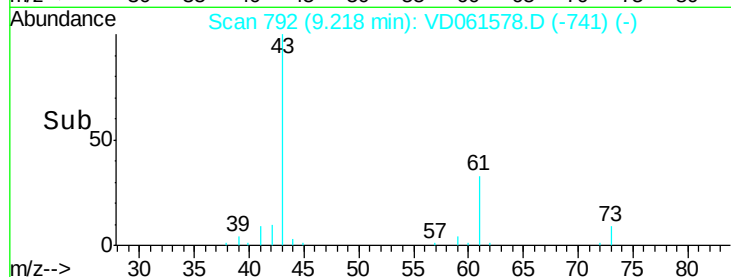
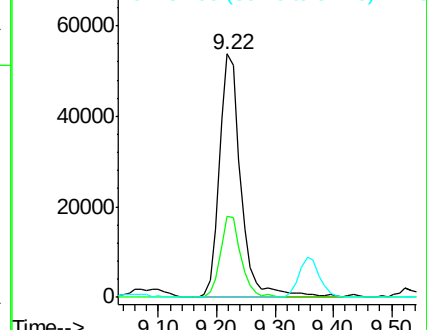
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 23.325 ug/l

RT: 8.52 min Scan# 721

Delta R.T. 0.00 min

Lab File: VD061578.D

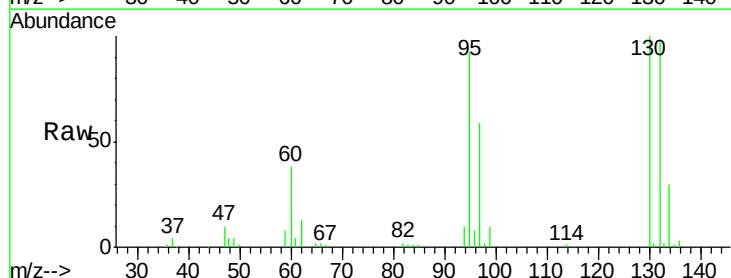
Acq: 4 Apr 2019 14:53

Tgt Ion:130 Resp: 203153

Ion Ratio Lower Upper

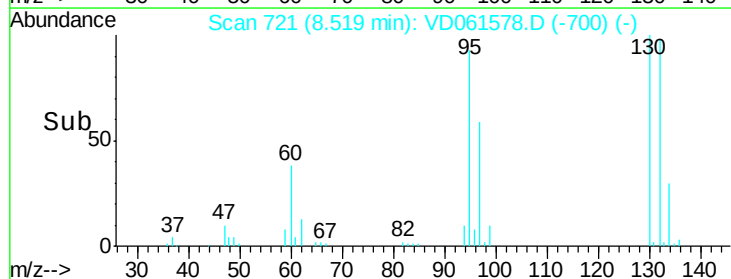
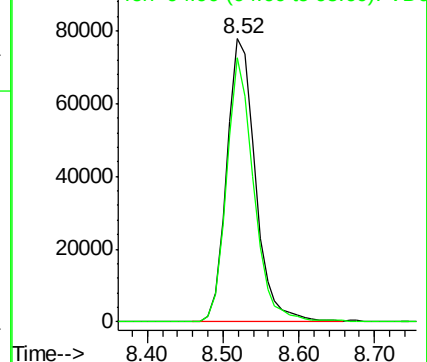
130 100

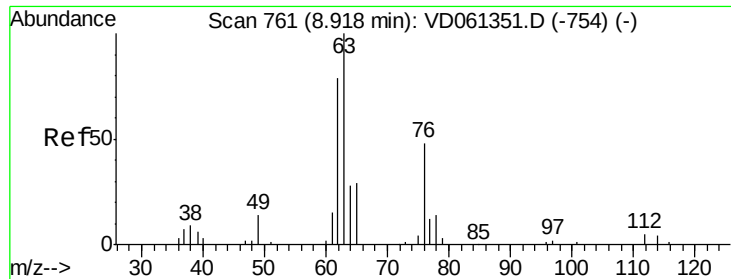
95 93.4 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.245 ug/l

RT: 8.92 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

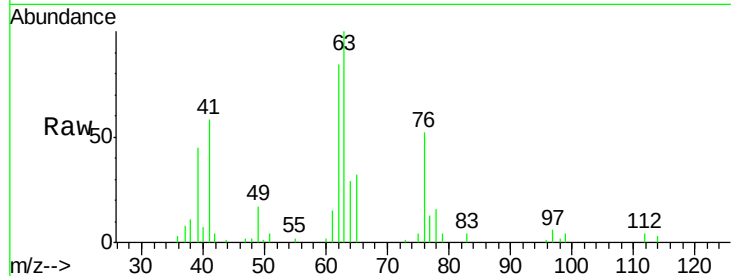
VD0404SBS01

Tot Ion: 63 Resp: 126078

Ion Ratio Lower Upper

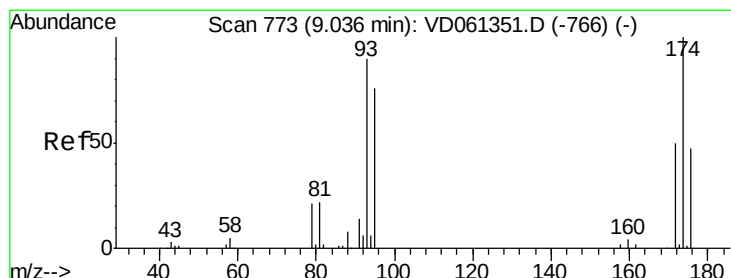
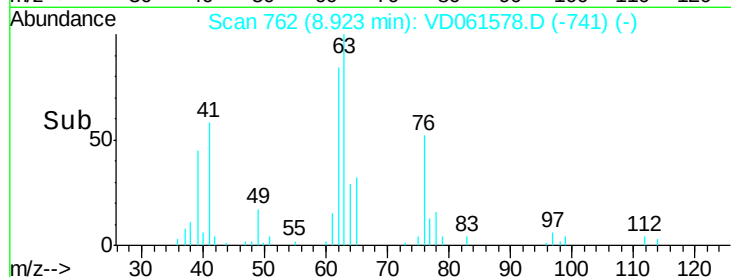
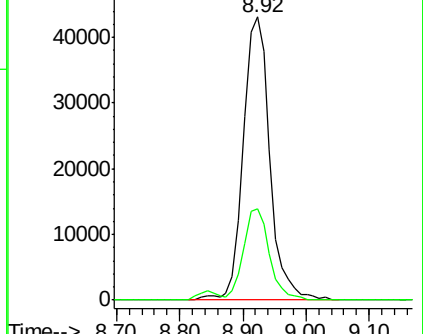
63 100

65 32.2 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 23.498 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

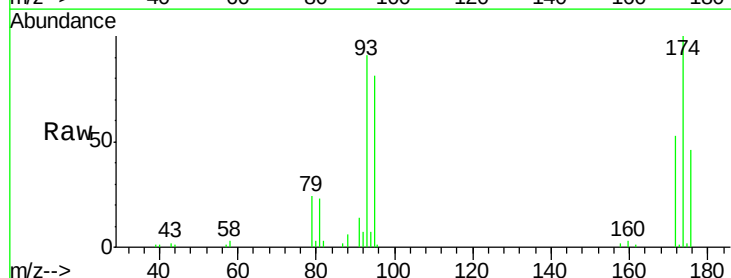
Tgt Ion: 93 Resp: 93859

Ion Ratio Lower Upper

93 100

95 88.5 67.4 101.0

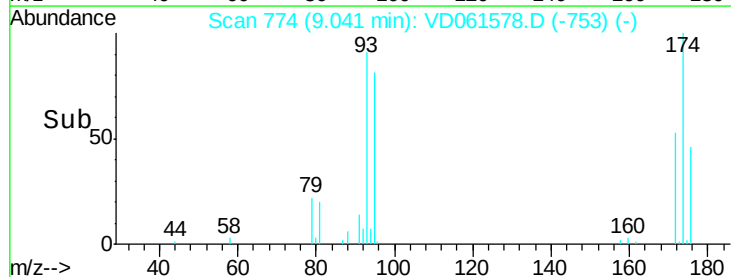
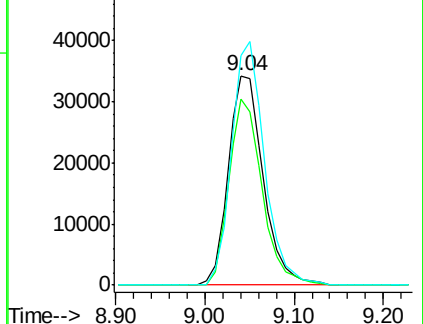
174 109.4 88.9 133.3

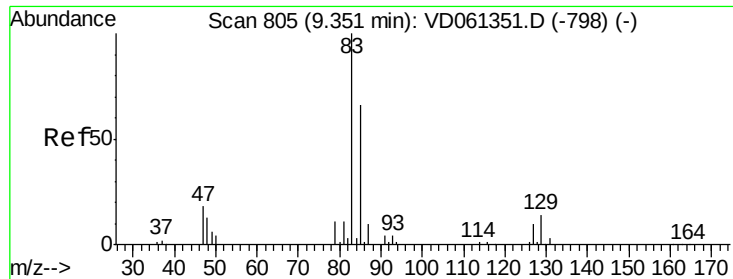


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 24.437 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS01

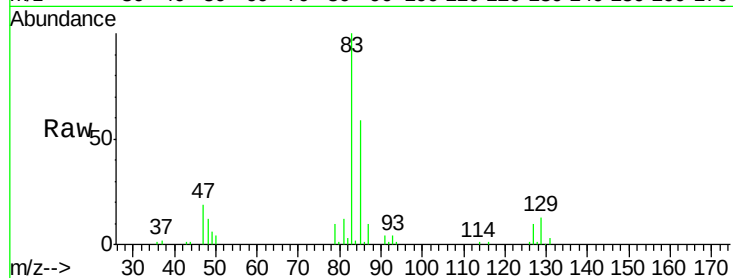
Tot Ion: 83 Resp: 219079

Ion Ratio Lower Upper

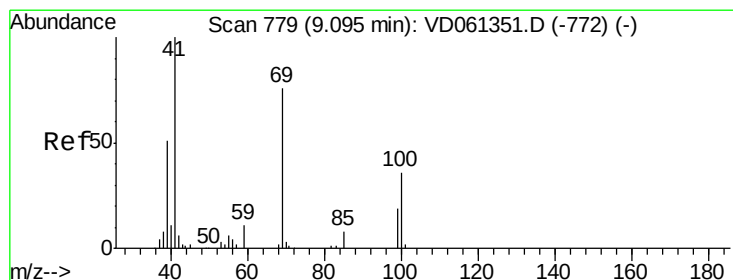
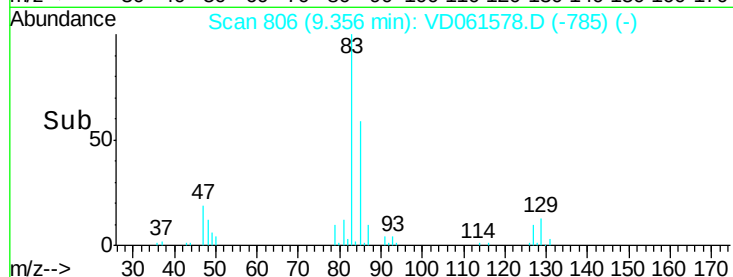
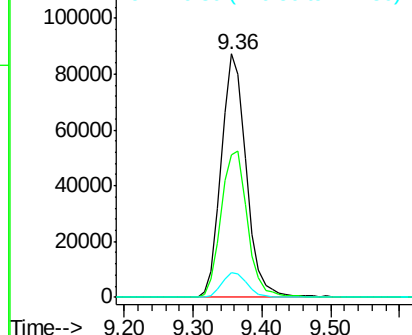
83 100

85 58.5 53.0 79.4

127 10.0 8.4 12.6



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): V



#48

Methyl methacrylate

Concen: 25.881 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

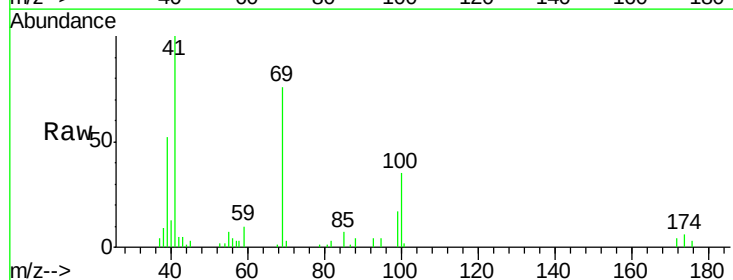
Tgt Ion: 41 Resp: 82884

Ion Ratio Lower Upper

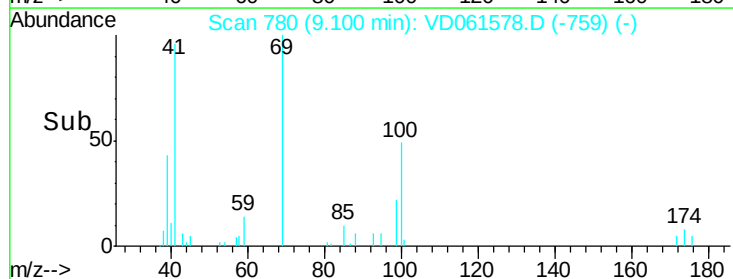
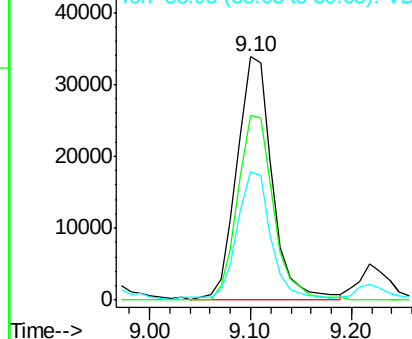
41 100

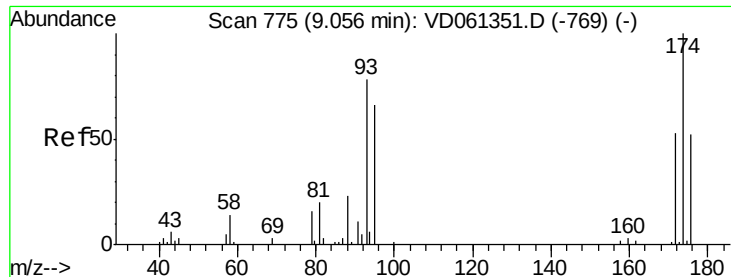
69 75.8 60.2 90.4

39 52.5 41.4 62.2



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: 475.445 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS01

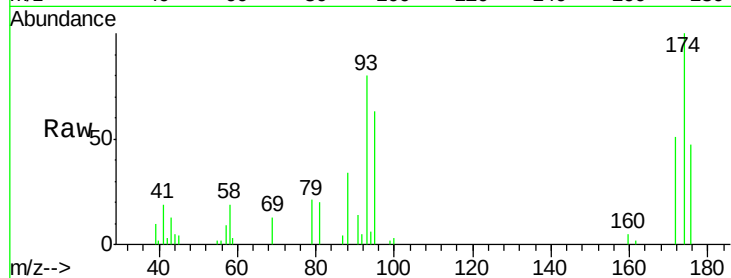
Tot Ion: 88 Resp: 16794

Ion Ratio Lower Upper

88 100

43 37.4 23.3 34.9#

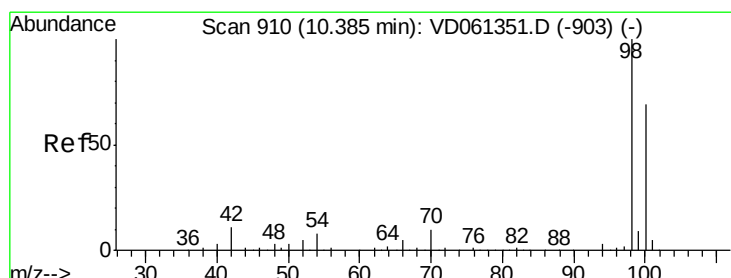
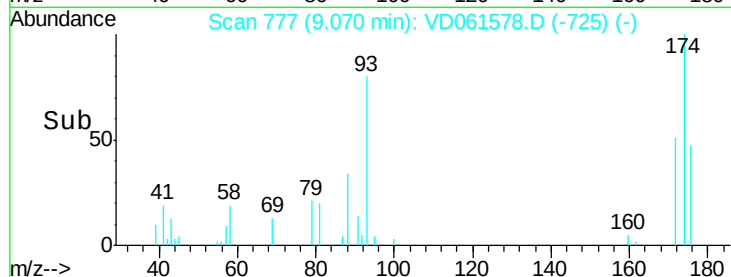
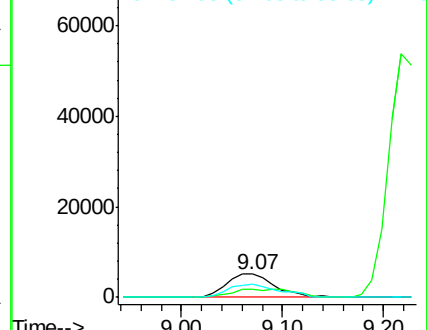
58 56.8 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 475.445 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.00 min

Lab File: VD061578.D

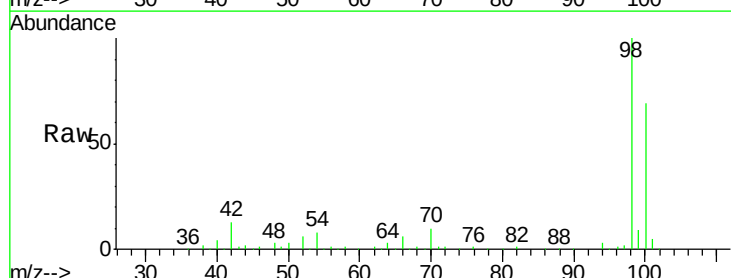
Acq: 4 Apr 2019 14:53

Tgt Ion: 98 Resp: 897411

Ion Ratio Lower Upper

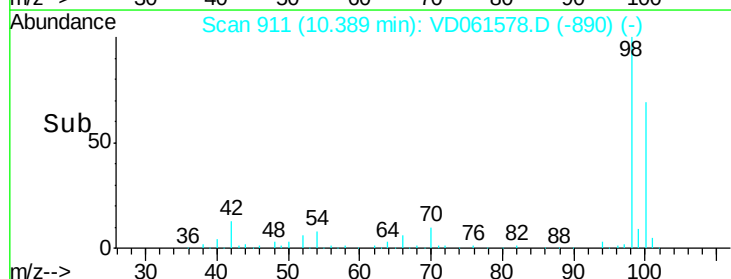
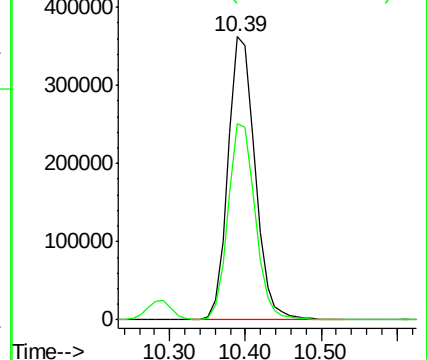
98 100

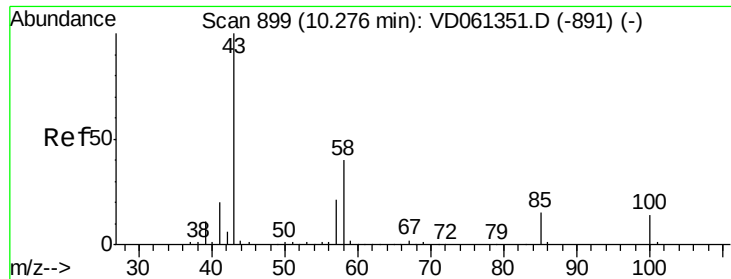
100 69.3 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 124.418 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

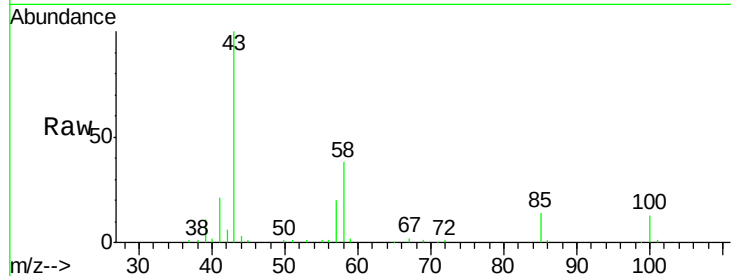
VD0404SBS01

Tot Ion: 43 Resp: 439234

Ion Ratio Lower Upper

43 100

58 38.4 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

200000

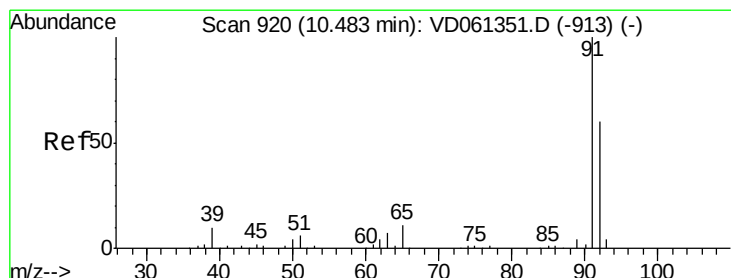
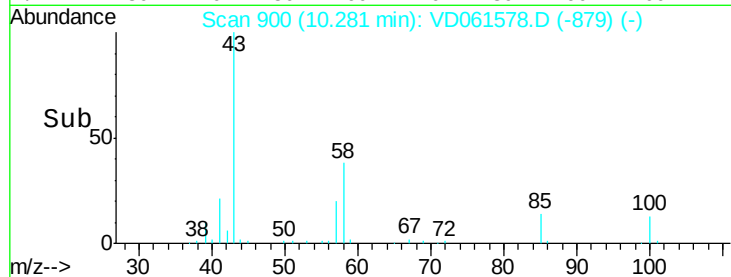
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 24.556 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD061578.D

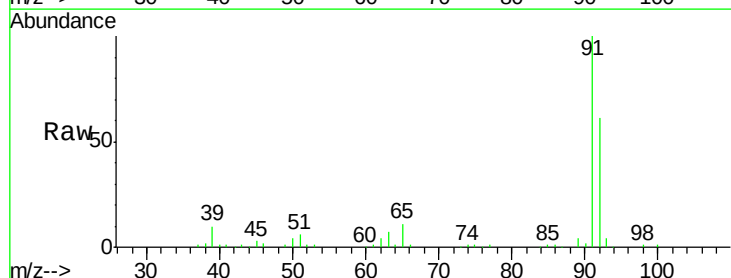
Acq: 4 Apr 2019 14:53

Tgt Ion: 92 Resp: 350606

Ion Ratio Lower Upper

92 100

91 163.9 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

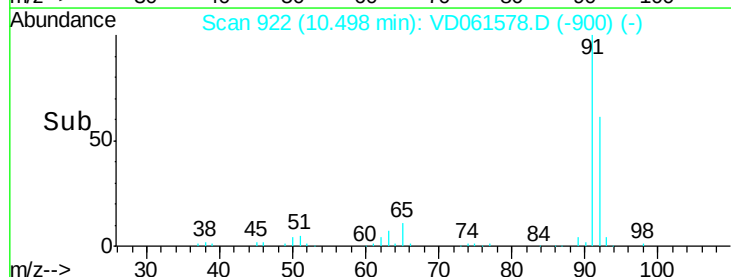
150000

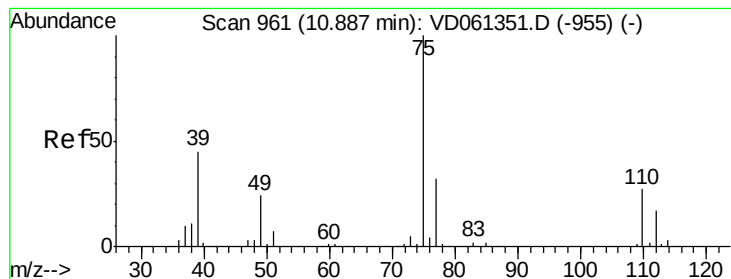
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 23.589 ug/l

RT: 10.90 min Scan# 963

Delta R.T. 0.01 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

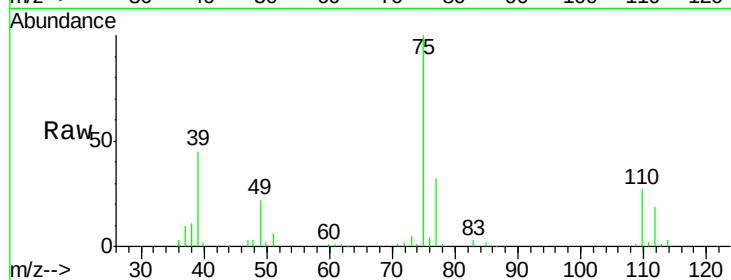
VD0404SBS01

Tot Ion: 75 Resp: 192136

Ion Ratio Lower Upper

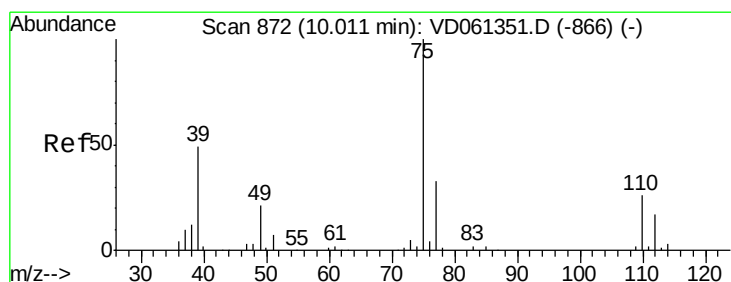
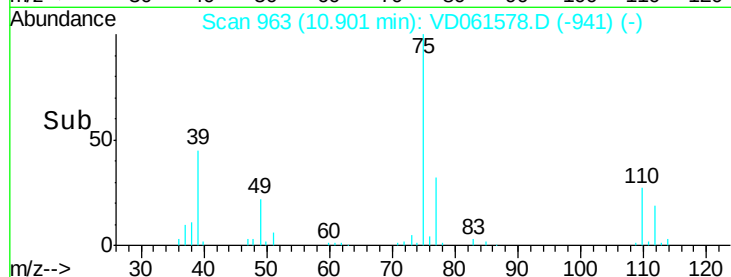
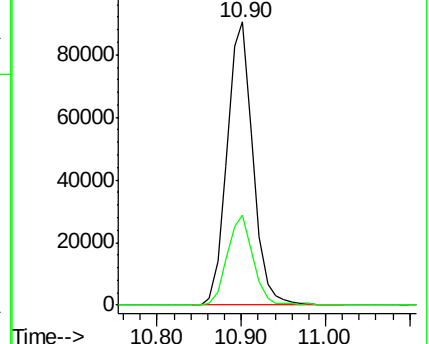
75 100

77 31.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 23.995 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.01 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

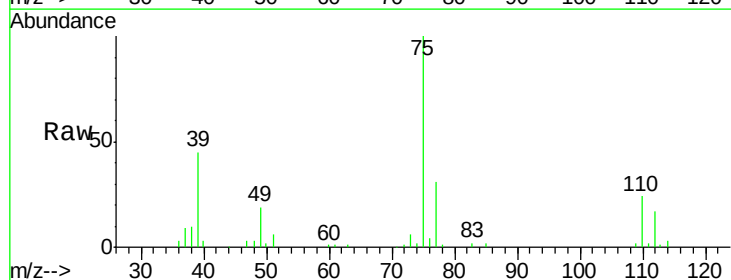
Tgt Ion: 75 Resp: 237992

Ion Ratio Lower Upper

75 100

77 31.3 26.2 39.4

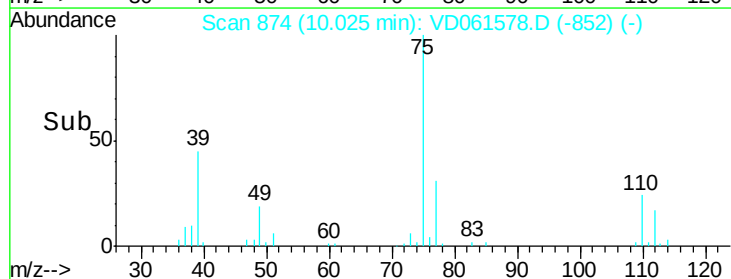
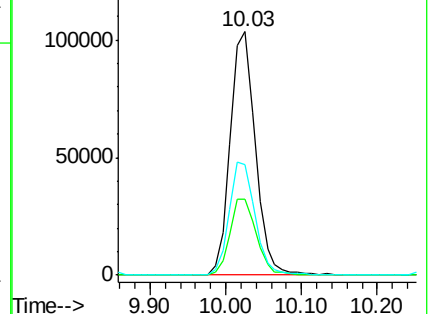
39 45.2 39.4 59.0

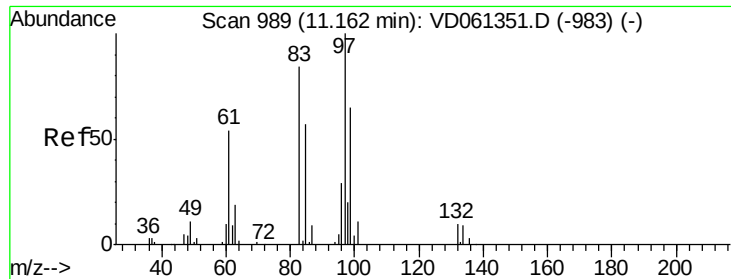


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

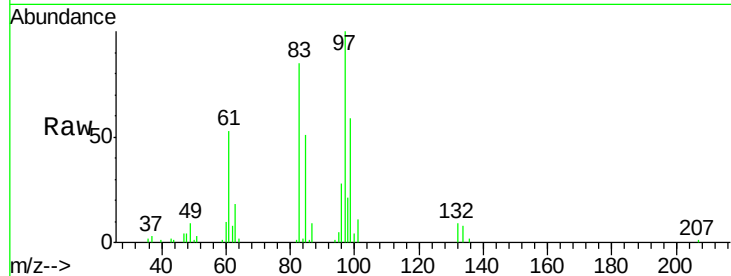




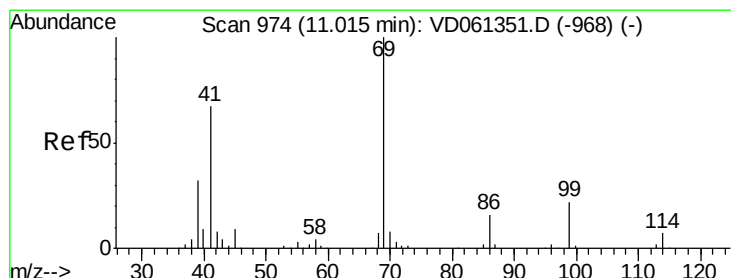
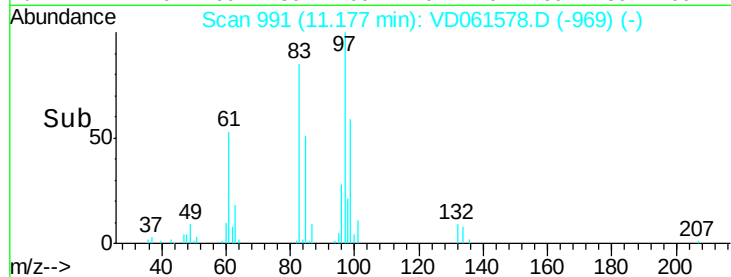
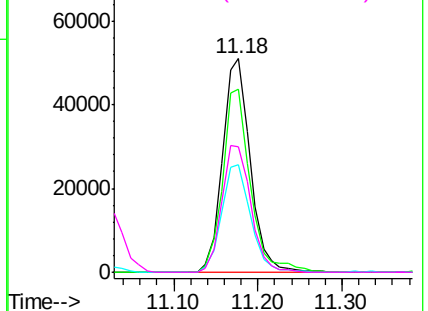
#55
 1,1,2-Trichloroethane
 Concen: 23.311 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VD061578.D
 Acq: 4 Apr 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS01

Tot Ion: 97 Resp: 116401
 Ion Ratio Lower Upper
 97 100
 83 85.5 67.0 100.6
 85 50.5 45.4 68.2
 99 58.6 51.9 77.9

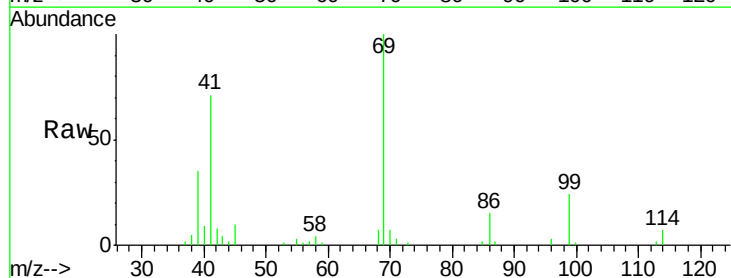


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

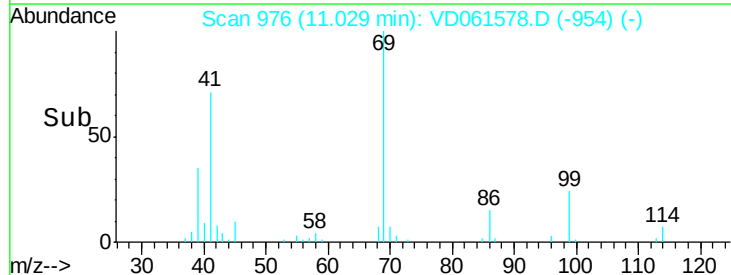
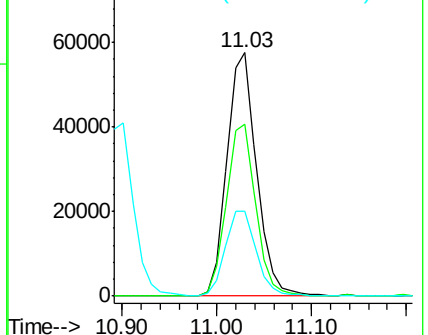


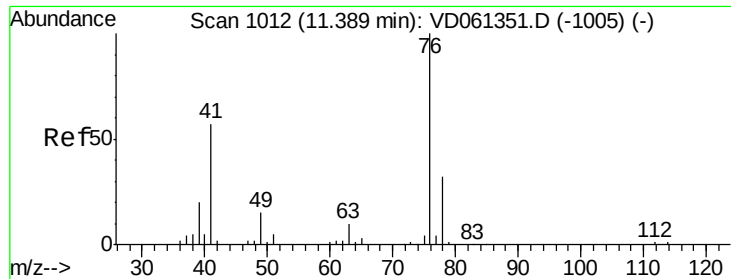
#56
 Ethyl methacrylate
 Concen: 23.249 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VD061578.D
 Acq: 4 Apr 2019 14:53

Tgt Ion: 69 Resp: 124710
 Ion Ratio Lower Upper
 69 100
 41 70.5 53.8 80.6
 39 34.9 26.4 39.6



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

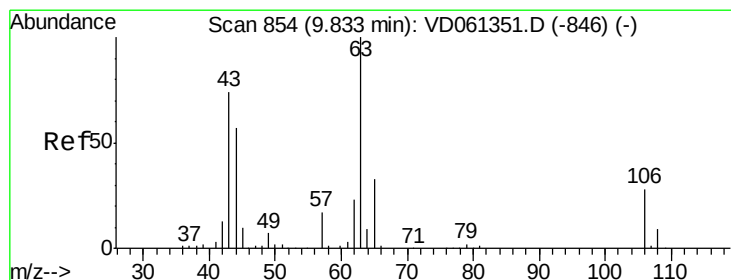
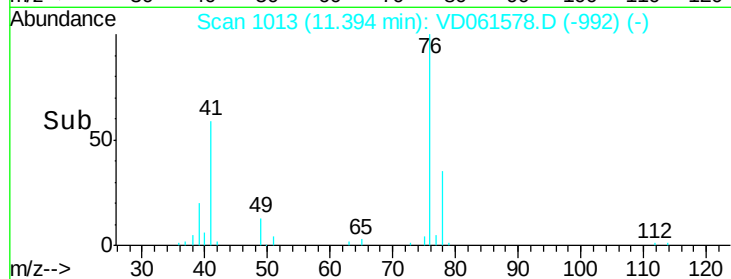
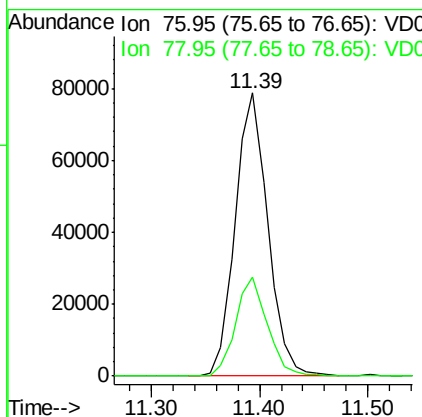
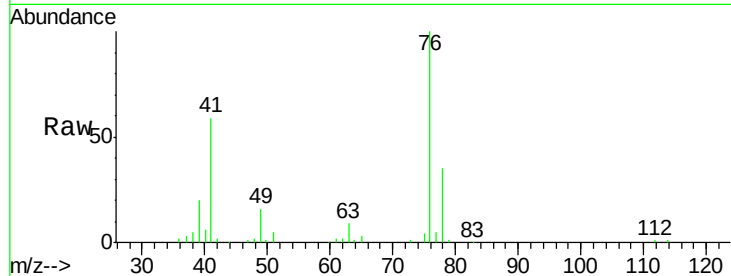




#57
 1,3-Dichloropropane
 Concen: 22.456 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD061578.D
 Acq: 4 Apr 2019 14:53

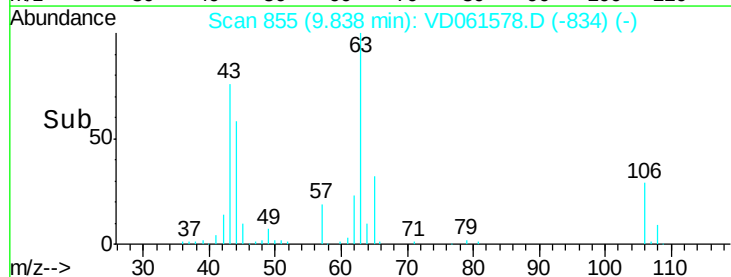
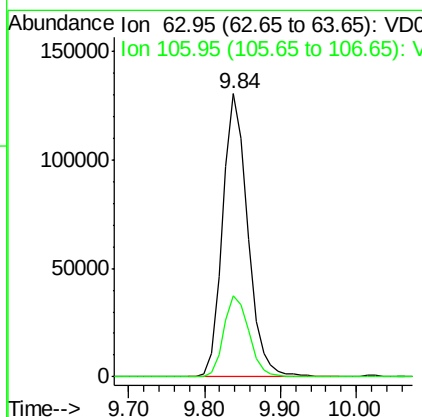
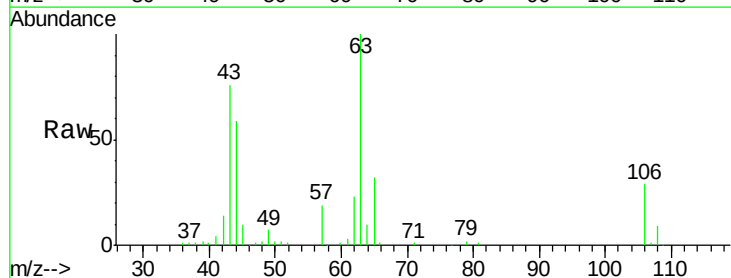
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS01

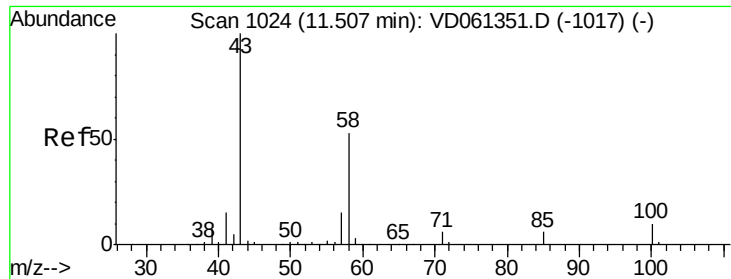
Tot Ion: 76 Resp: 164813
 Ion Ratio Lower Upper
 76 100
 78 34.9 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.814 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VD061578.D
 Acq: 4 Apr 2019 14:53

Tgt Ion: 63 Resp: 299931
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.4 33.6

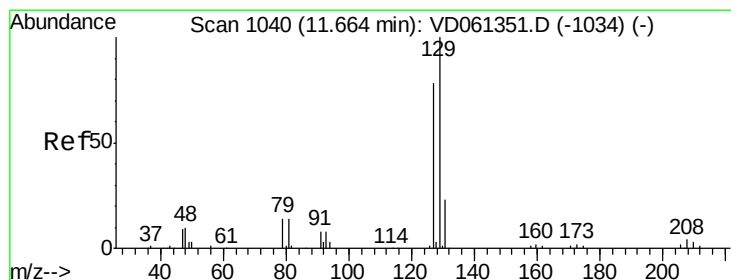
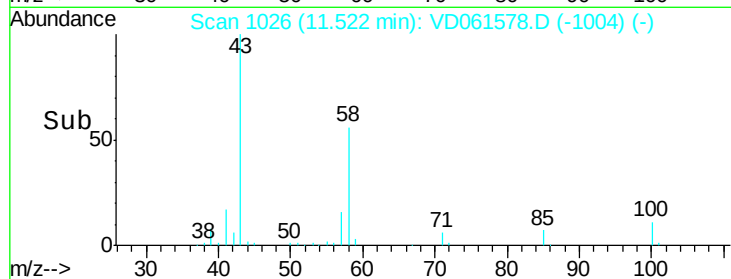
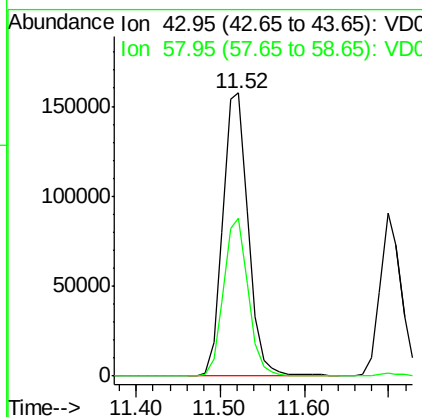
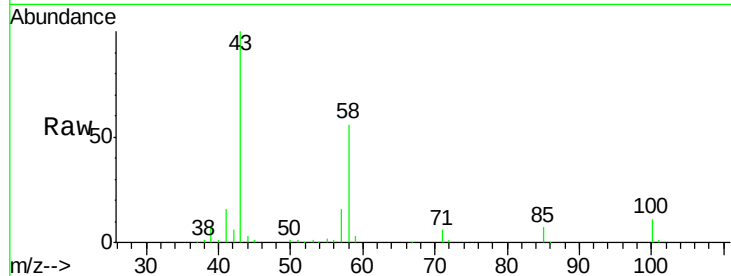




#59
2-Hexanone
Concen: 128.853 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

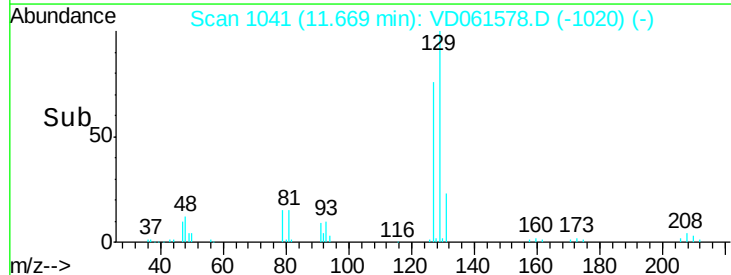
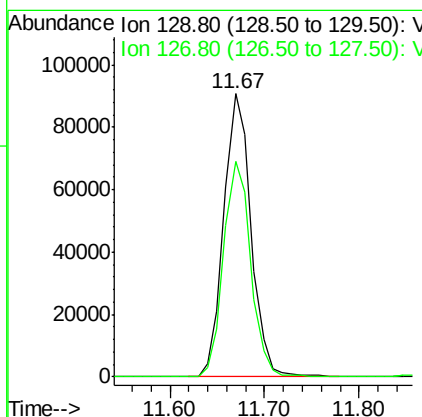
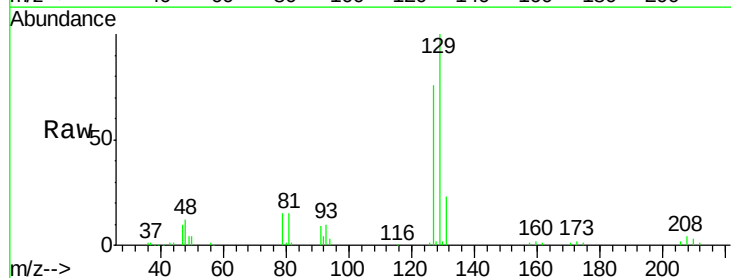
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS01

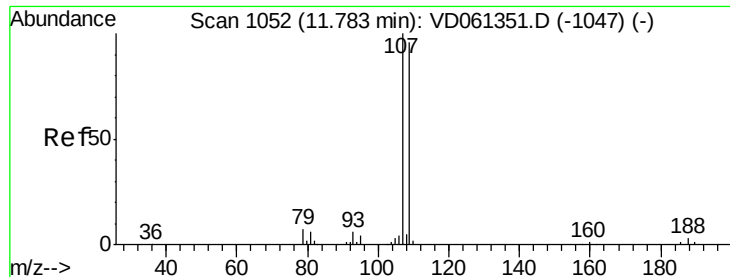
Tot Ion: 43 Resp: 329584
Ion Ratio Lower Upper
43 100
58 56.0 26.3 78.9



#60
Dibromochloromethane
Concen: 23.545 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Tgt Ion: 129 Resp: 181243
Ion Ratio Lower Upper
129 100
127 76.0 39.0 116.9





#61

1,2-Dibromoethane

Concen: 24.591 ug/l

RT: 11.79 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

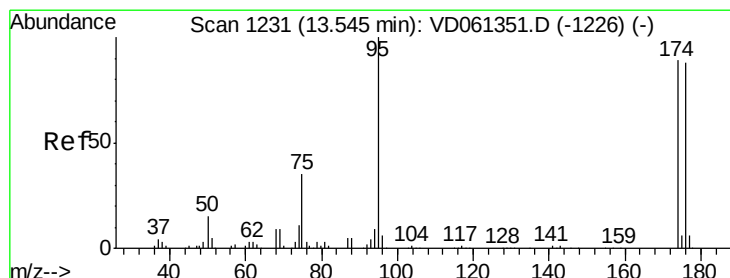
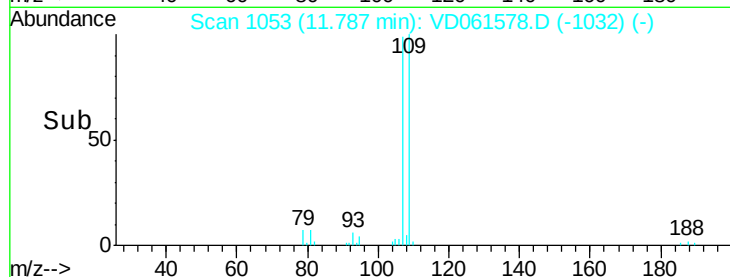
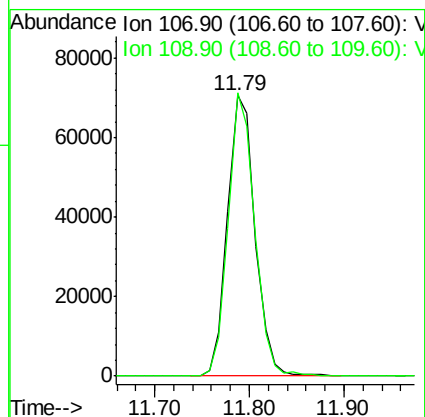
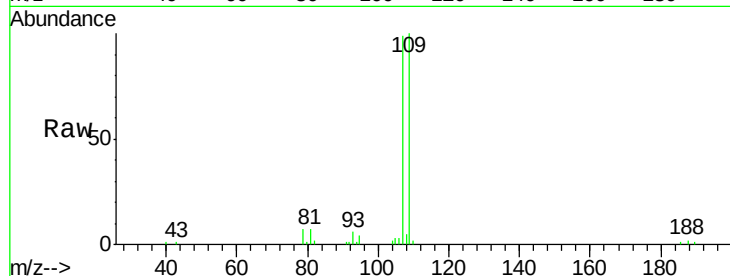
VD0404SBS01

Tot Ion: 107 Resp: 142188

Ion Ratio Lower Upper

107 100

109 100.9 76.6 114.8



#62

4-Bromofluorobenzene

Concen: 24.591 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

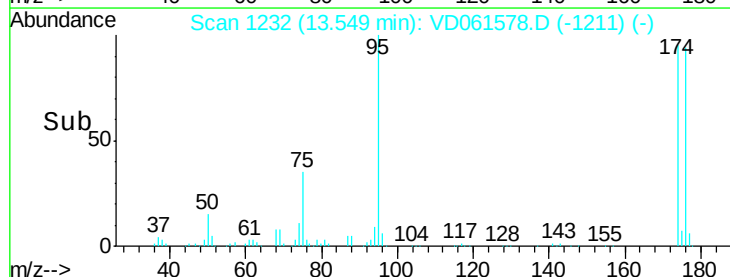
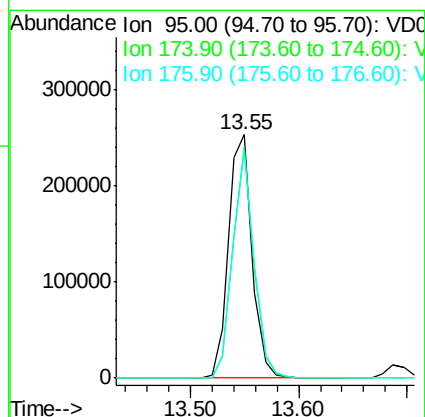
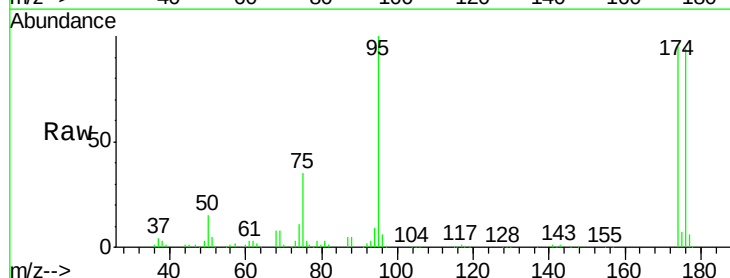
Tgt Ion: 95 Resp: 382584

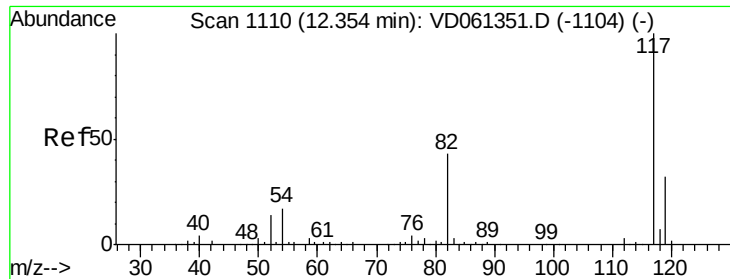
Ion Ratio Lower Upper

95 100

174 95.0 0.0 178.0

176 93.8 0.0 175.0

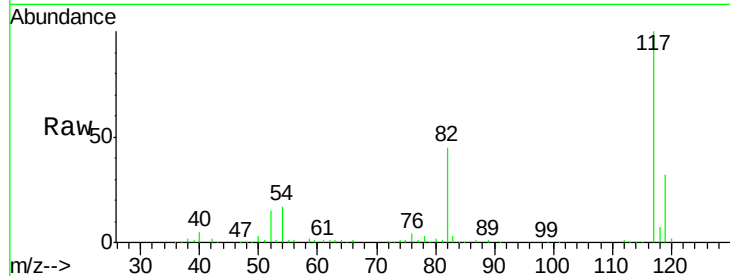




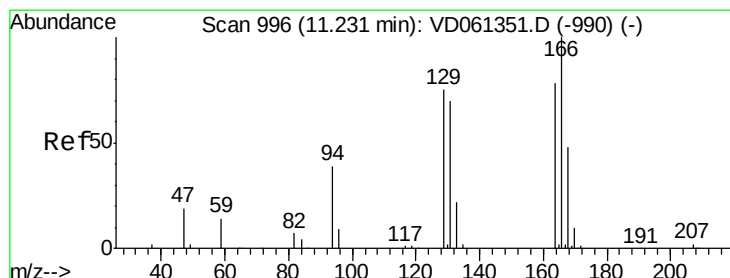
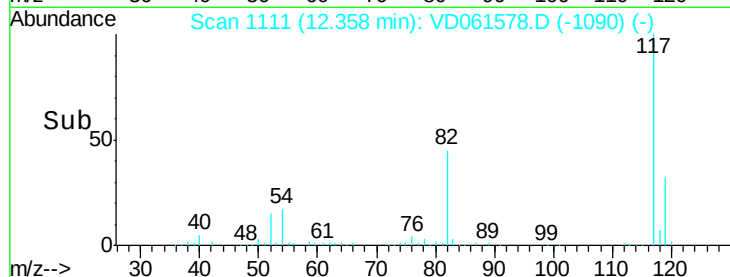
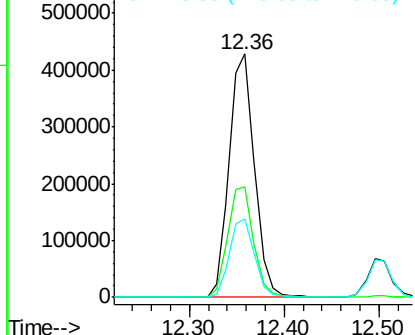
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS01

Tot Ion:117 Resp: 795510
Ion Ratio Lower Upper
117 100
82 45.3 34.4 51.6
119 32.2 25.8 38.6

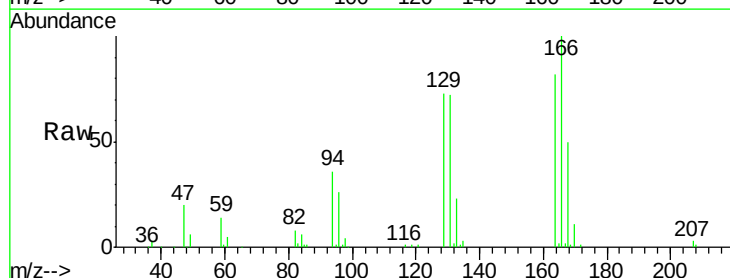


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

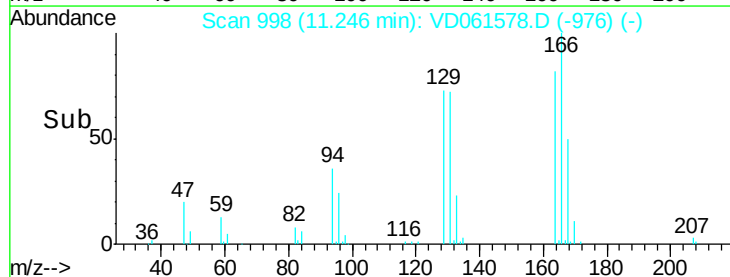
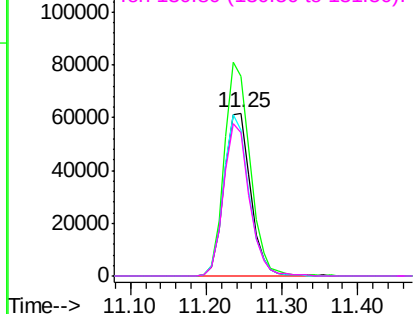


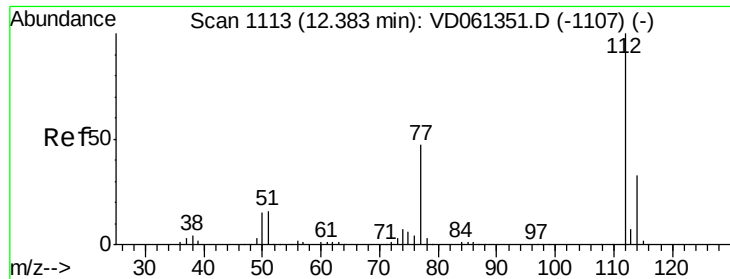
#64
Tetrachloroethene
Concen: 23.862 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Tgt Ion:164 Resp: 148976
Ion Ratio Lower Upper
164 100
166 122.4 102.4 153.6
129 89.8 76.8 115.2
131 87.8 71.8 107.6



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

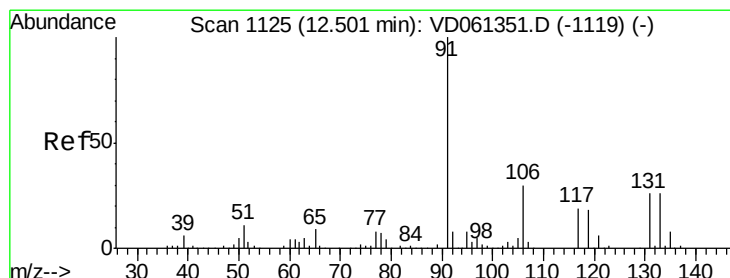
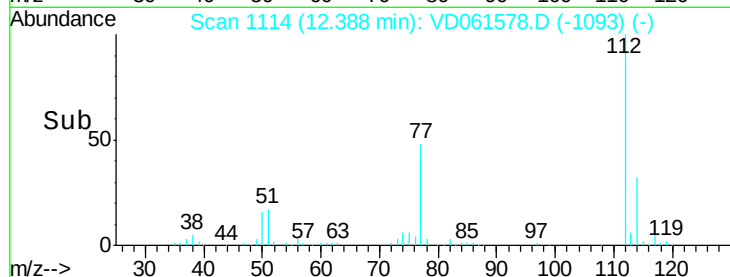
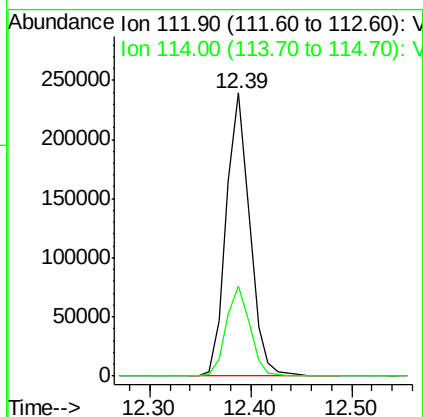
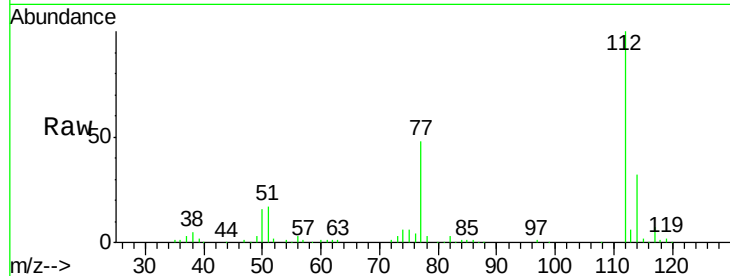




#65
Chlorobenzene
Concen: 23.844 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

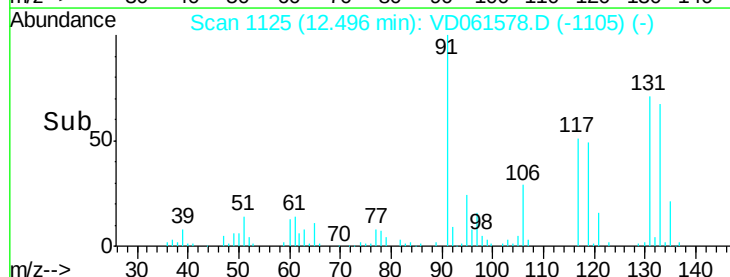
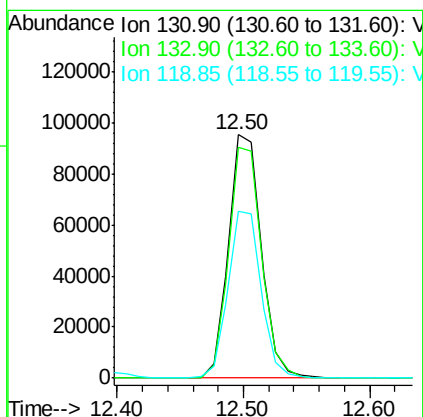
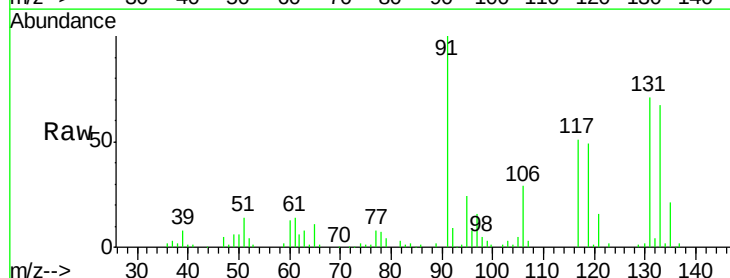
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS01

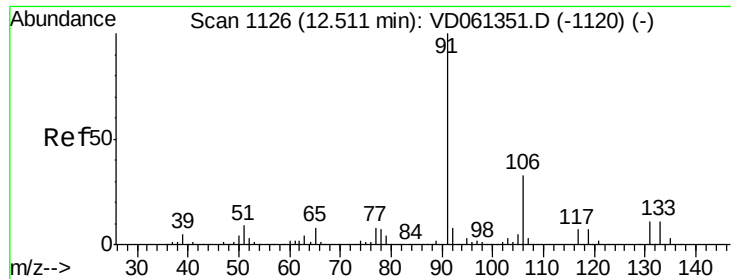
Tot Ion:112 Resp: 387649
Ion Ratio Lower Upper
112 100
114 31.7 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 27.102 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Tgt Ion:131 Resp: 170599
Ion Ratio Lower Upper
131 100
133 94.8 49.4 148.2
119 68.6 34.1 102.2

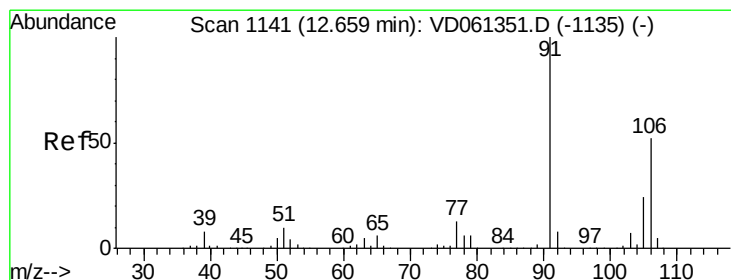
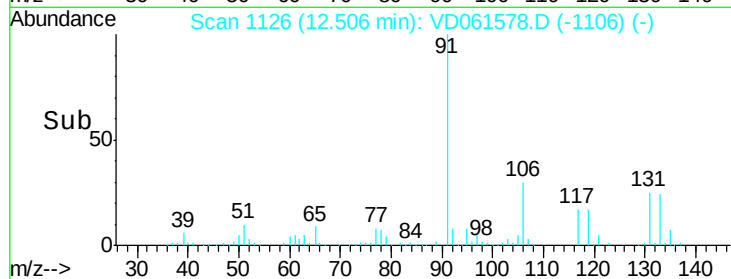
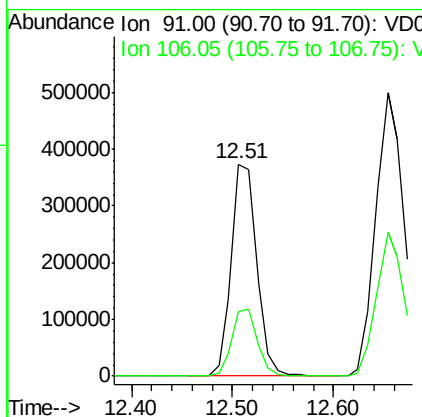
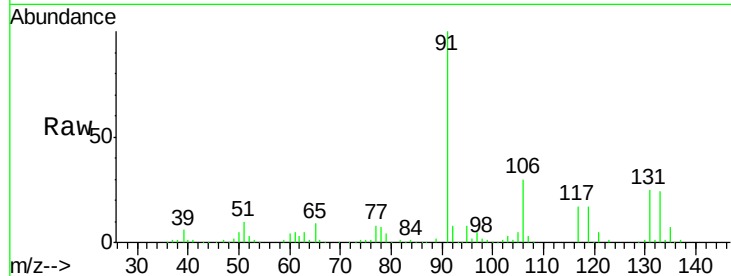




#67
Ethyl Benzene
Concen: 26.460 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

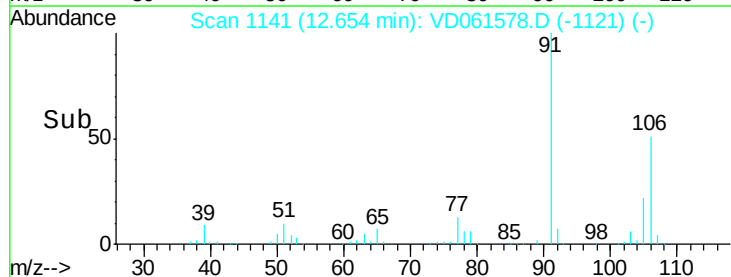
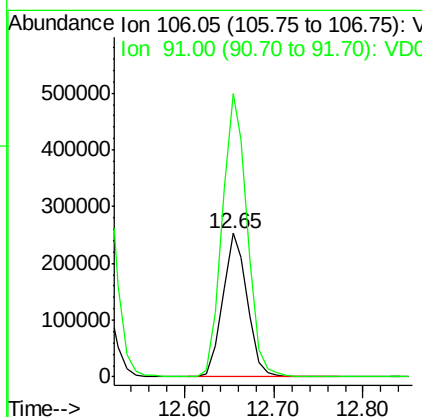
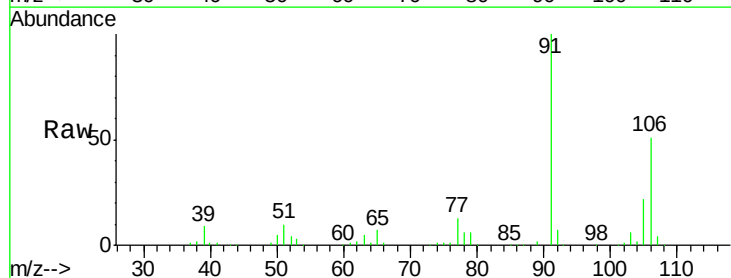
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS01

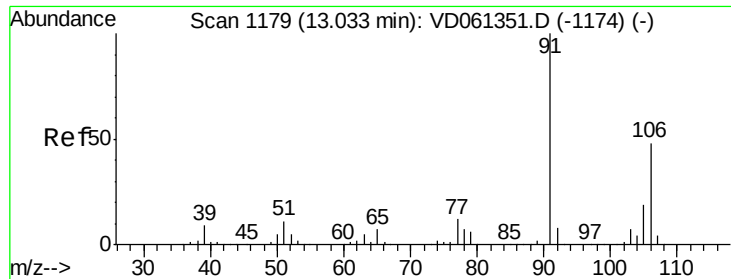
Tot Ion: 91 Resp: 656606
Ion Ratio Lower Upper
91 100
106 30.2 26.1 39.1



#68
m/p-Xylenes
Concen: 52.140 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Tgt Ion:106 Resp: 490119
Ion Ratio Lower Upper
106 100
91 197.3 153.1 229.7

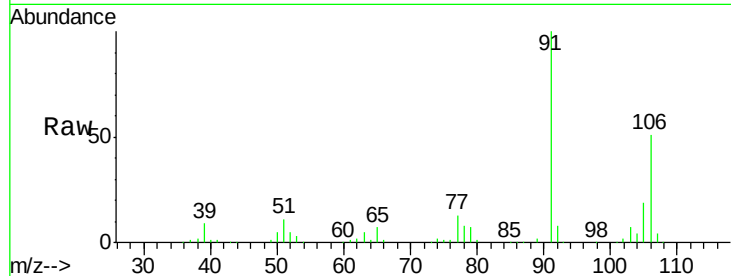




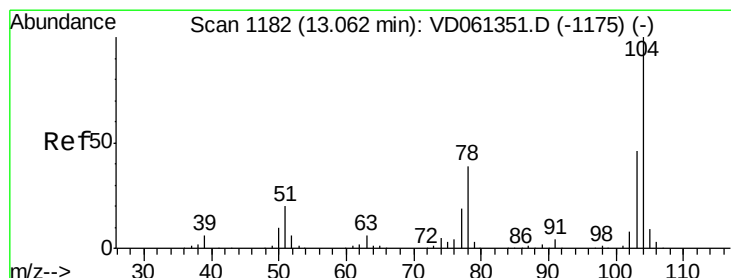
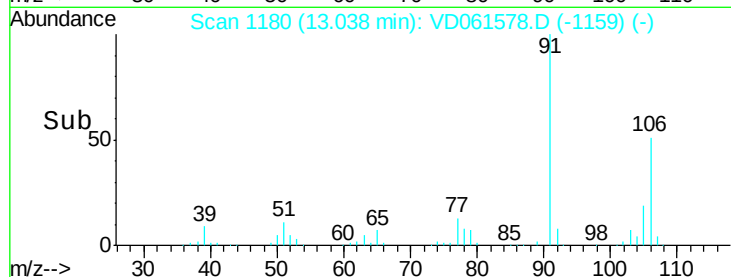
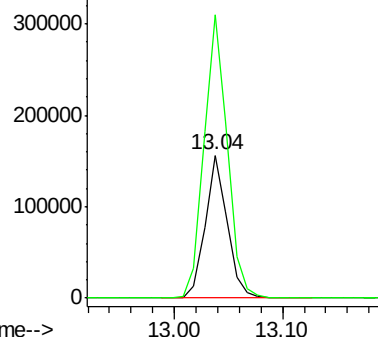
#69
o-Xylene
Concen: 24.327 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS01

Tot Ion:106 Resp: 221906
Ion Ratio Lower Upper
106 100
91 197.8 103.8 311.3

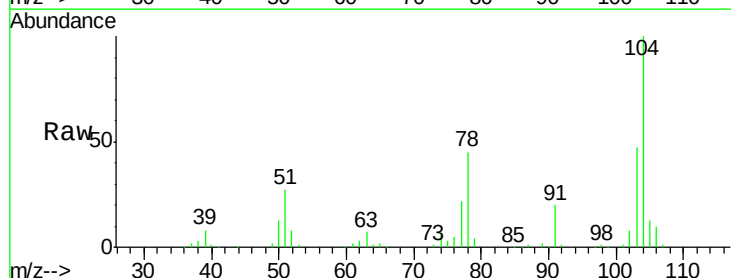


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

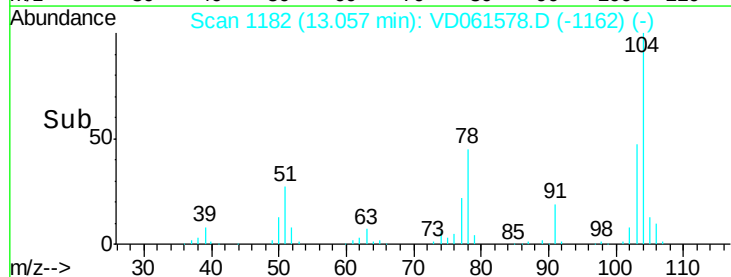
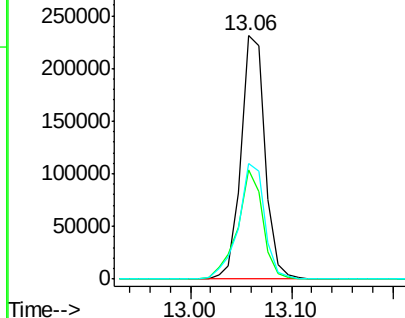


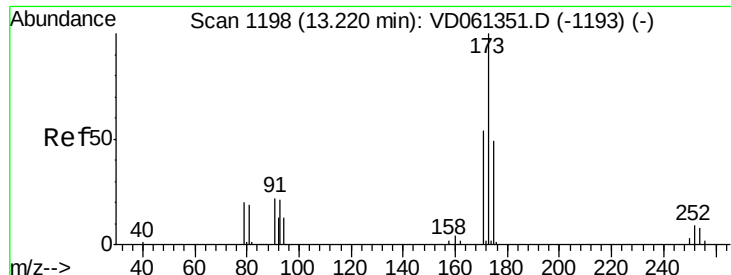
#70
Styrene
Concen: 24.051 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Tgt Ion:104 Resp: 382453
Ion Ratio Lower Upper
104 100
78 44.6 31.0 46.6
103 47.4 37.0 55.4



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

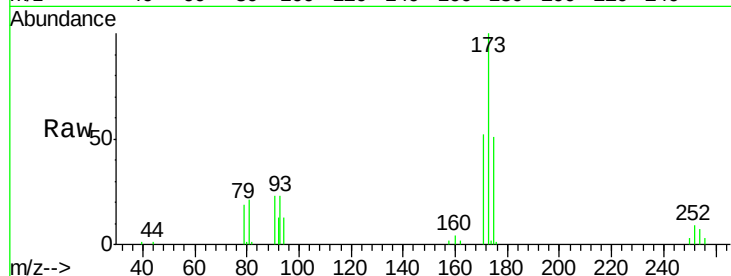




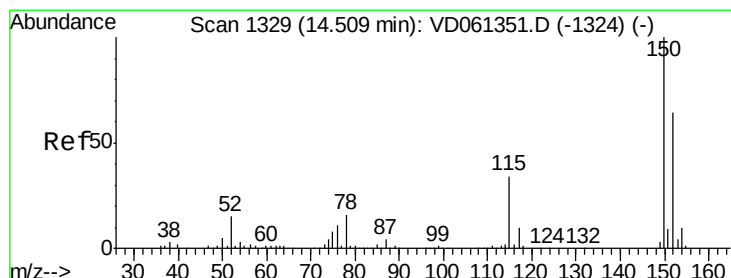
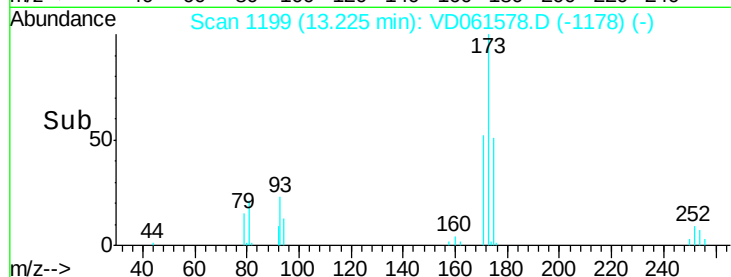
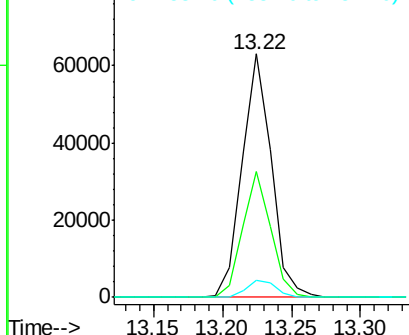
#71
Bromoform
Concen: 23.421 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS01

Tot Ion:173 Resp: 93457
Ion Ratio Lower Upper
173 100
175 51.4 24.6 73.8
254 6.8 6.6 10.0

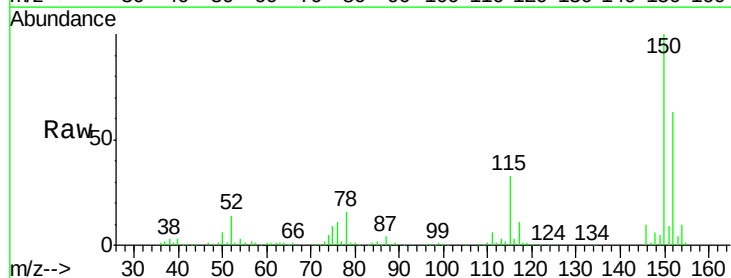


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

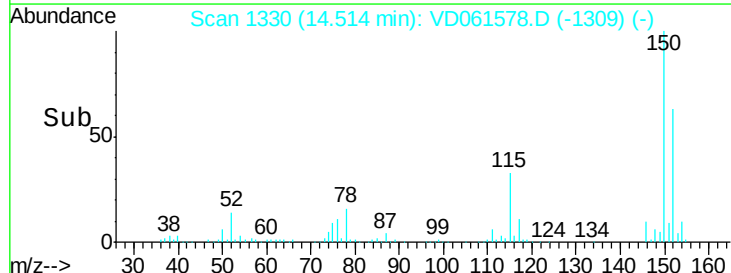
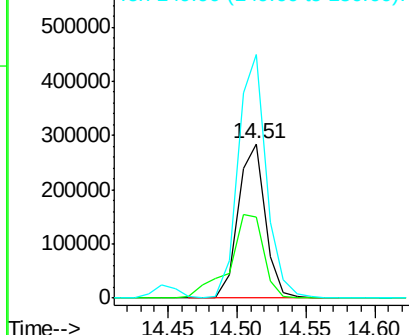


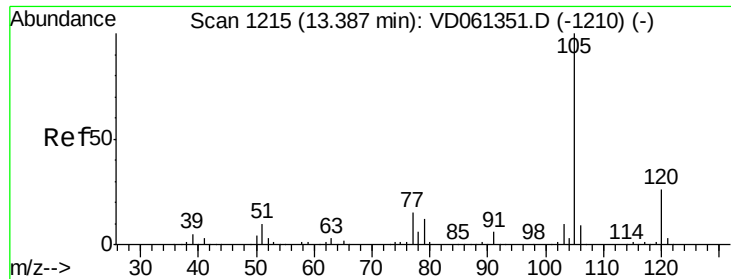
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Tgt Ion:152 Resp: 389440
Ion Ratio Lower Upper
152 100
115 52.3 26.9 80.6
150 157.6 0.0 318.0



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

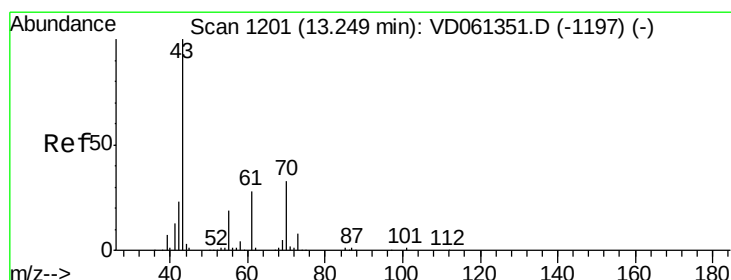
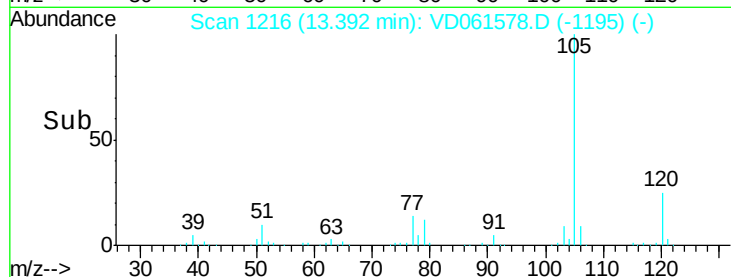
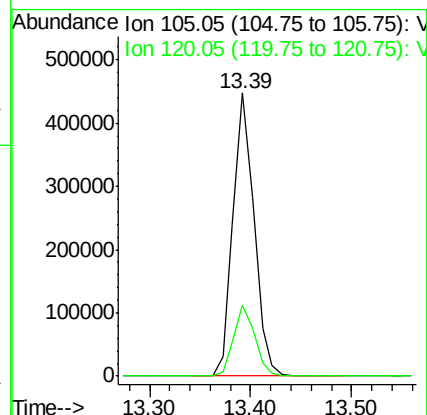
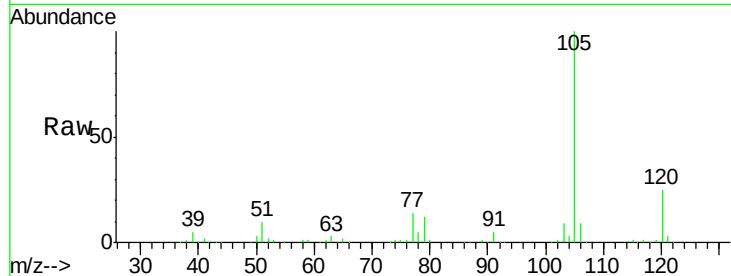




#73
Isopropylbenzene
Concen: 23.979 ug/l
RT: 13.39 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

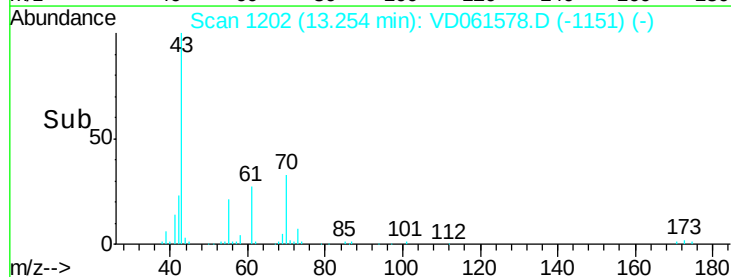
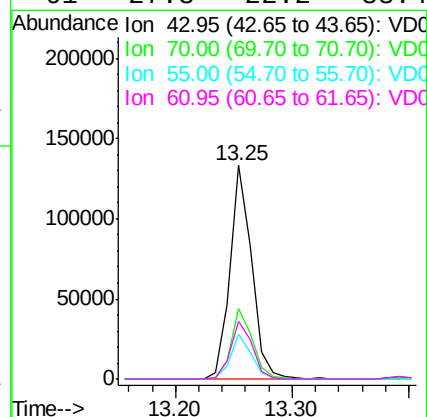
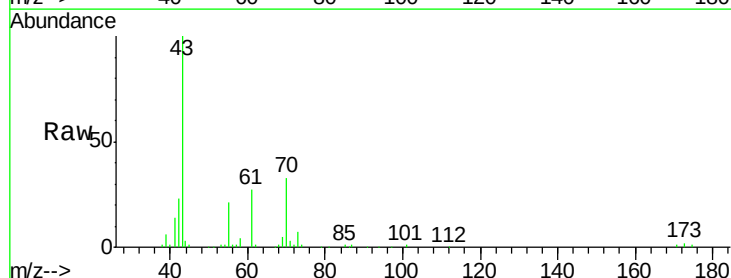
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS01

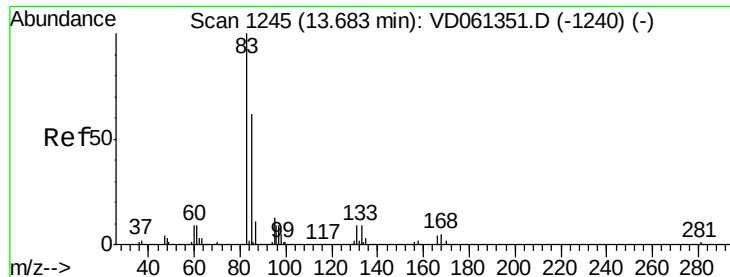
Tot Ion:105 Resp: 649929
Ion Ratio Lower Upper
105 100
120 24.8 12.8 38.3



#74
N-ethyl acetate
Concen: 22.799 ug/l
RT: 13.25 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Tgt Ion: 43 Resp: 172142
Ion Ratio Lower Upper
43 100
70 32.7 26.6 40.0
55 20.9 15.4 23.2
61 27.3 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 23.191 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS01

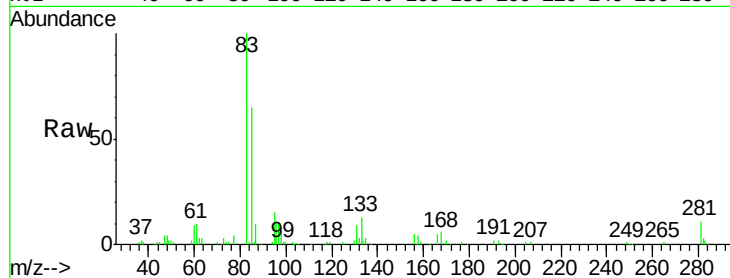
Tot Ion: 83 Resp: 132602

Ion Ratio Lower Upper

83 100

131 9.4 4.3 13.1

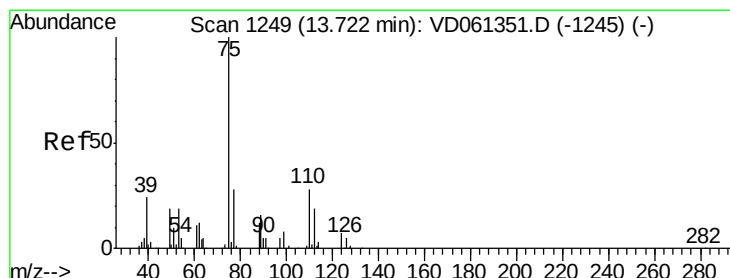
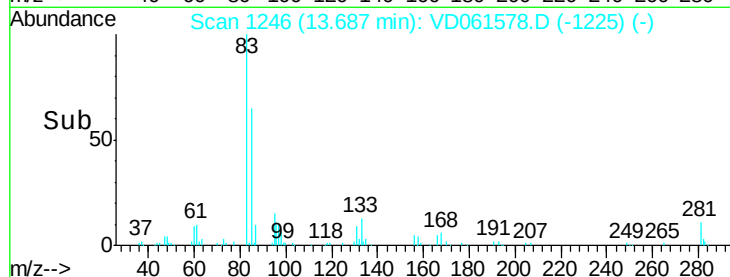
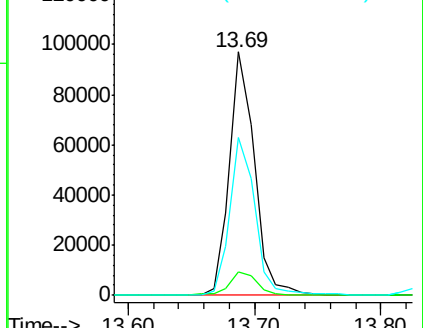
85 64.8 31.2 93.6



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: 24.016 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061578.D

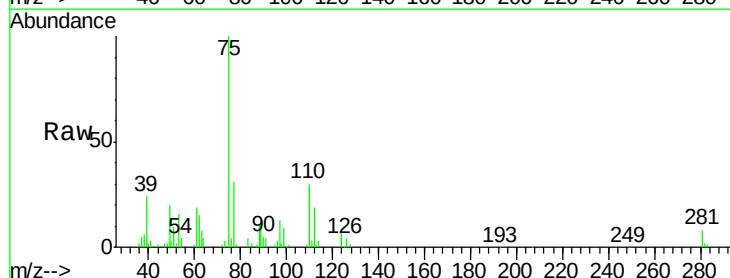
Acq: 4 Apr 2019 14:53

Tgt Ion: 75 Resp: 135102

Ion Ratio Lower Upper

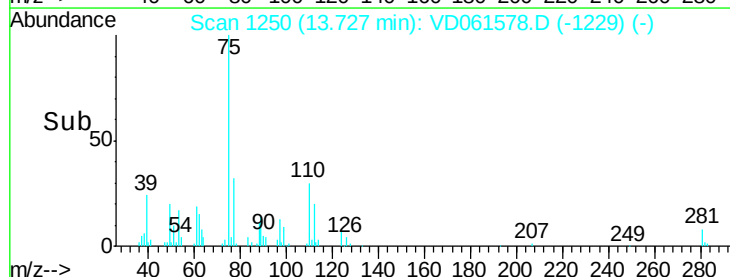
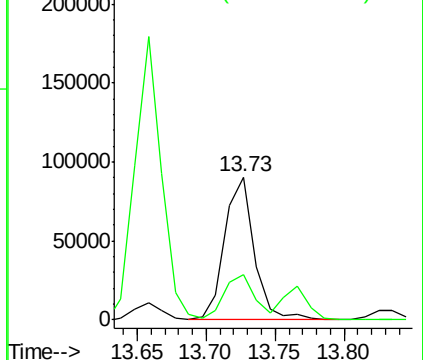
75 100

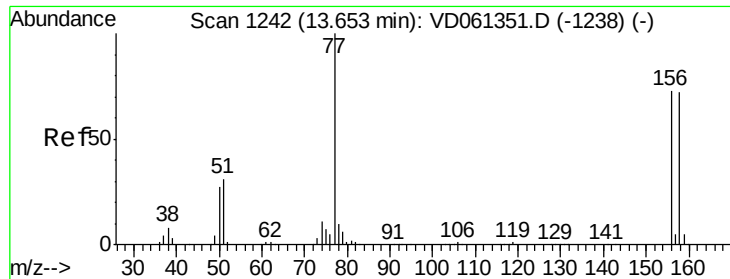
77 31.5 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 23.386 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS01

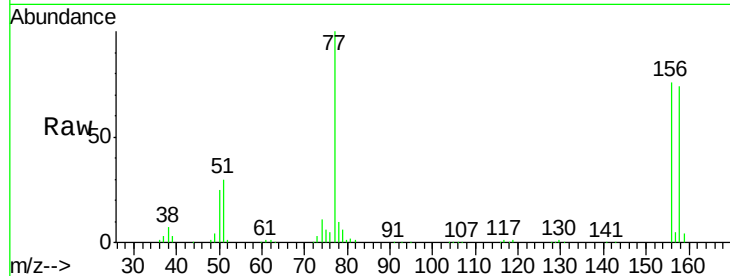
Tot Ion:156 Resp: 187913

Ion Ratio Lower Upper

156 100

77 131.4 68.5 205.6

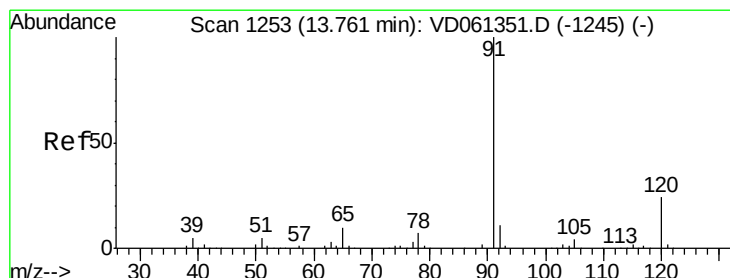
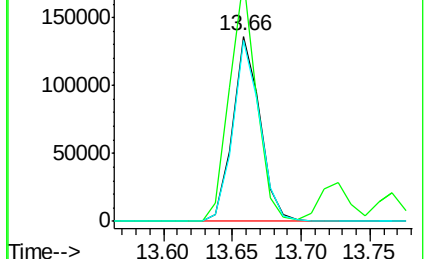
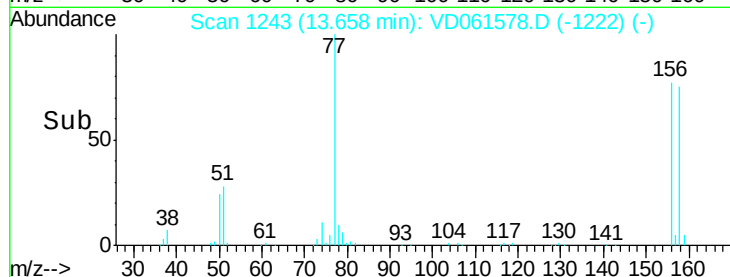
158 97.7 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.589 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061578.D

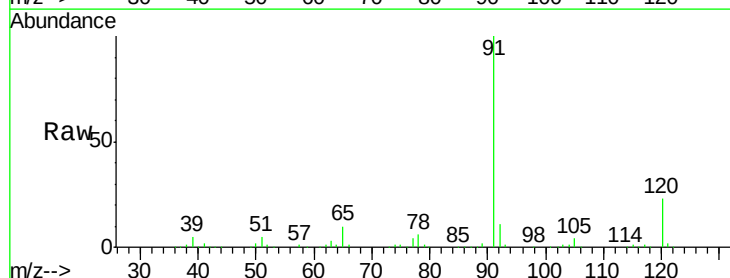
Acq: 4 Apr 2019 14:53

Tgt Ion: 91 Resp: 782442

Ion Ratio Lower Upper

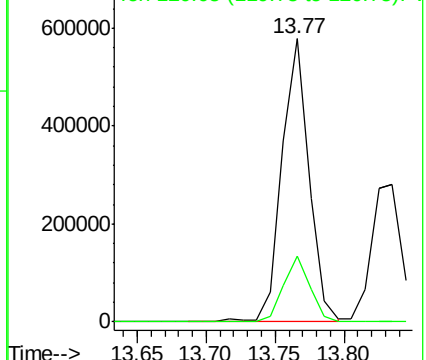
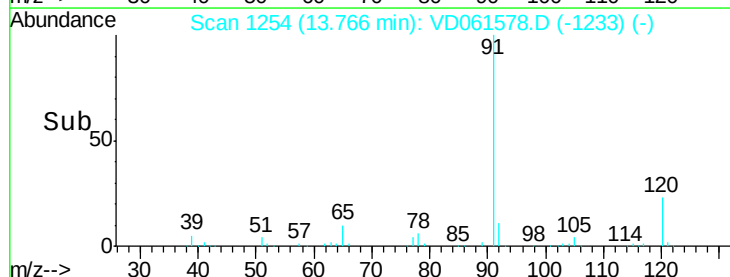
91 100

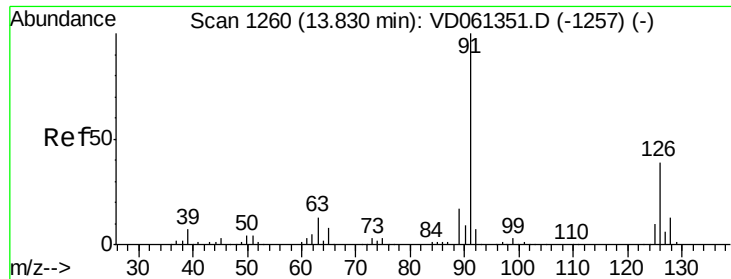
120 23.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 23.730 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

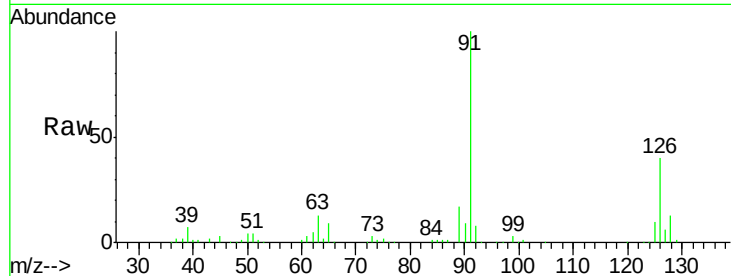
VD0404SBS01

Tot Ion: 91 Resp: 427386

Ion Ratio Lower Upper

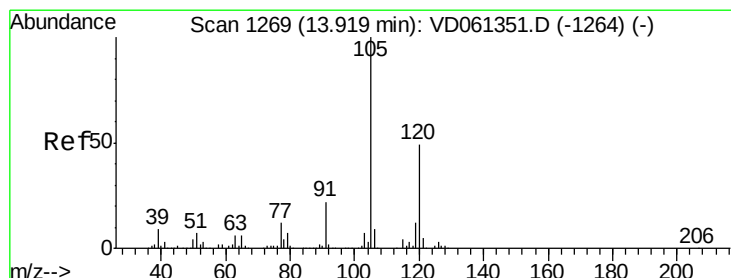
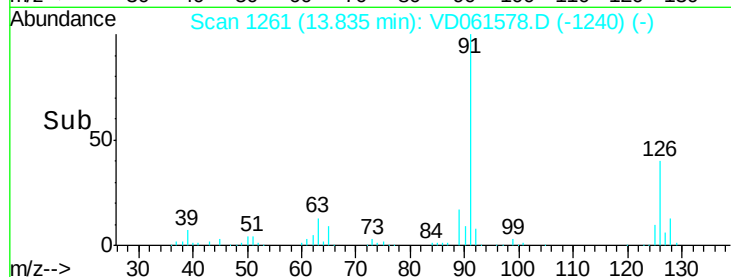
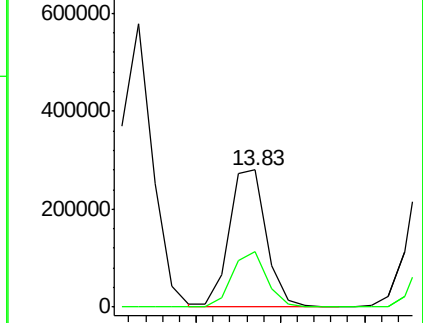
91 100

126 40.3 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 24.678 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD061578.D

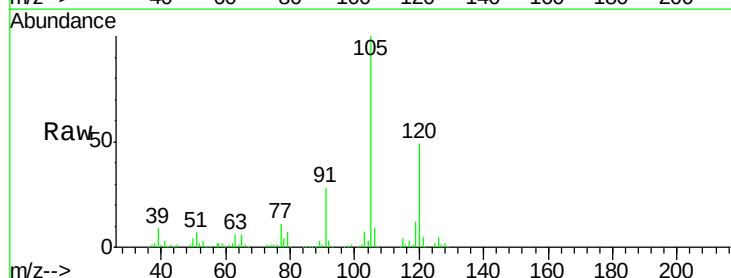
Acq: 4 Apr 2019 14:53

Tgt Ion:105 Resp: 518973

Ion Ratio Lower Upper

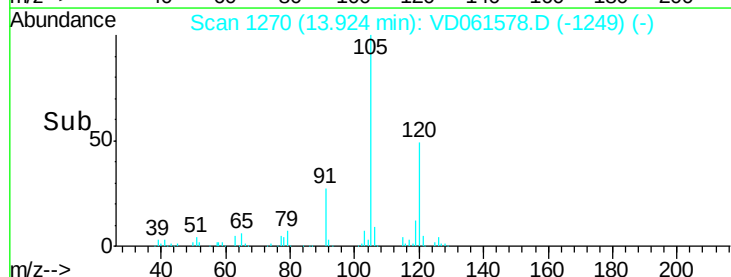
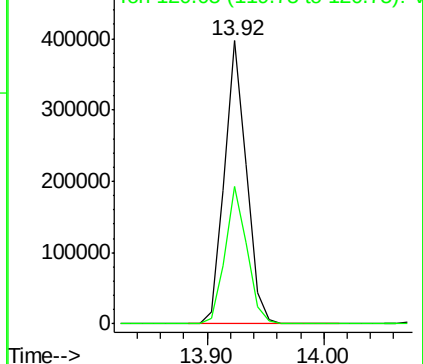
105 100

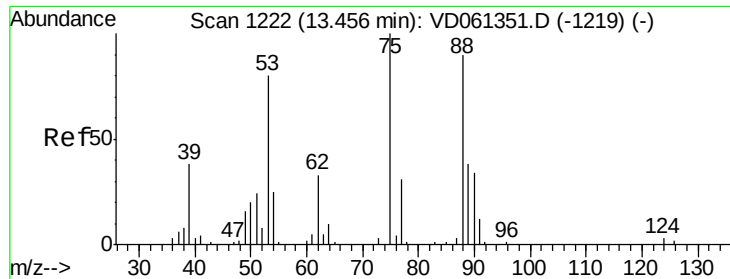
120 48.7 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 23.036 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS01

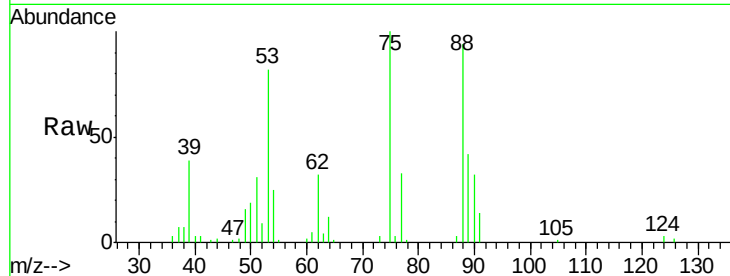
Tot Ion: 75 Resp: 39513

Ion Ratio Lower Upper

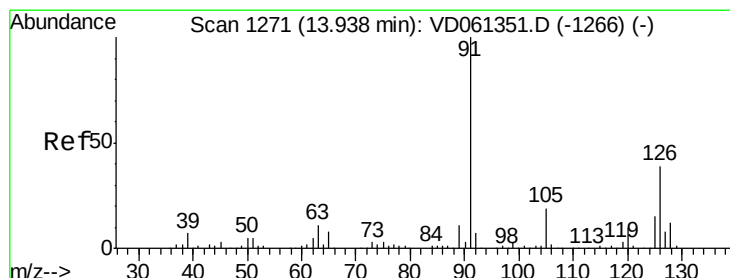
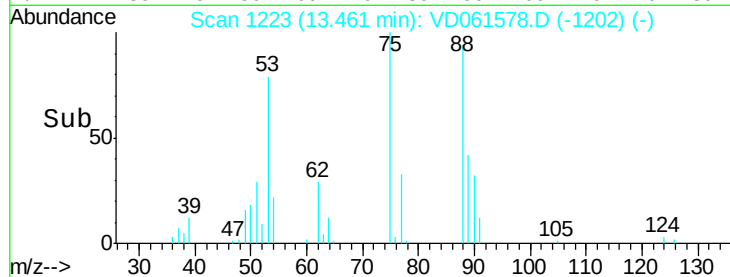
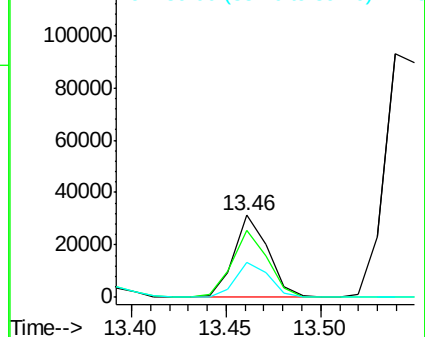
75 100

53 81.8 63.8 95.8

89 42.1 30.5 45.7



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: 25.359 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD061578.D

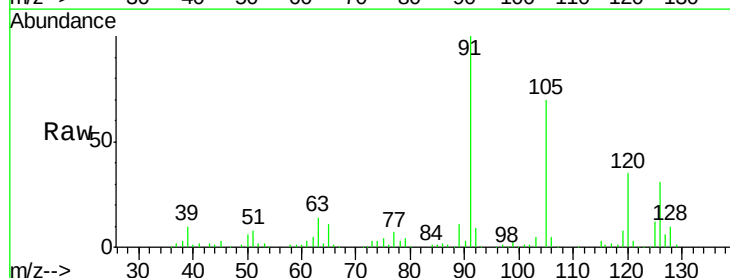
Acq: 4 Apr 2019 14:53

Tgt Ion: 91 Resp: 496614

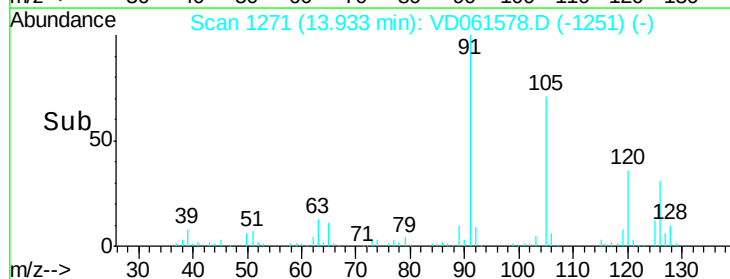
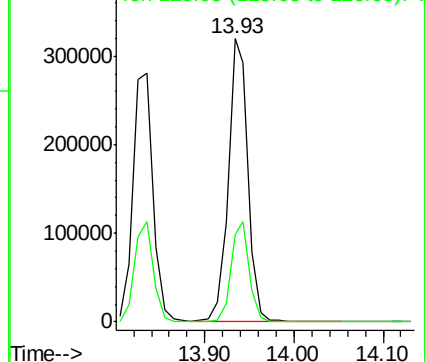
Ion Ratio Lower Upper

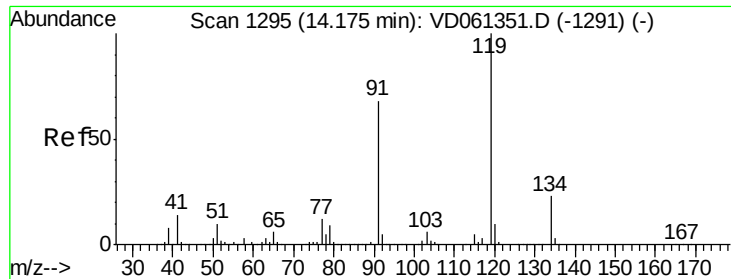
91 100

126 31.0 19.6 58.8



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

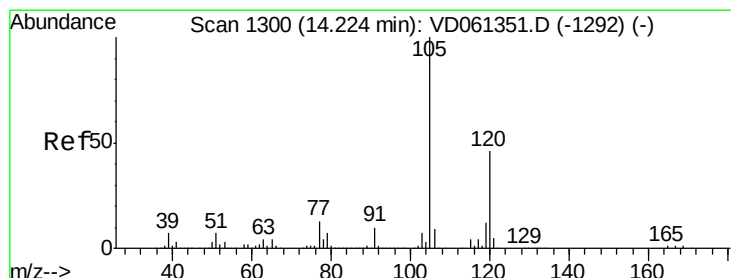
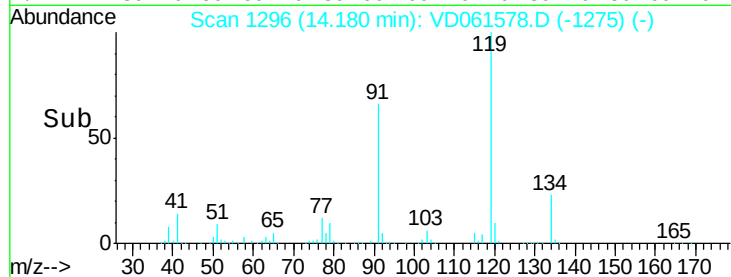
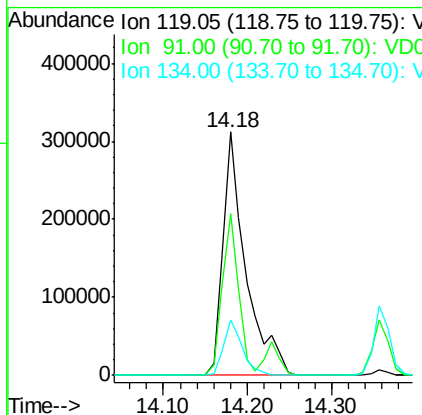
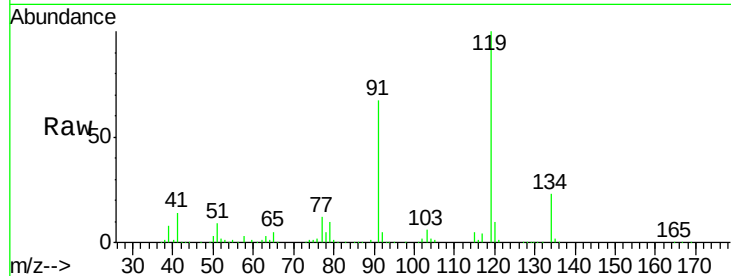




#83
 tert-Butylbenzene
 Concen: 22.398 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD061578.D
 Acq: 4 Apr 2019 14:53

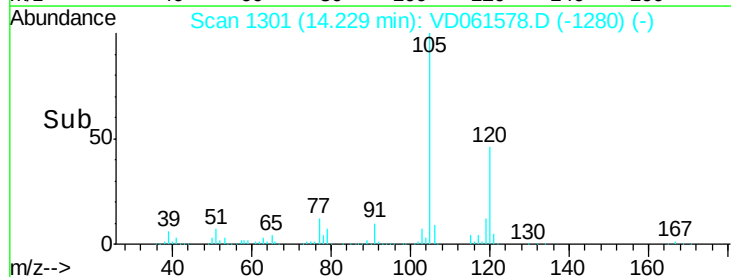
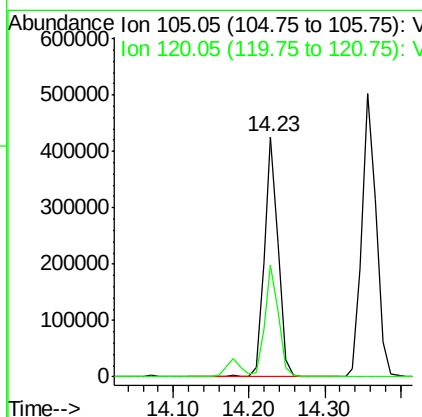
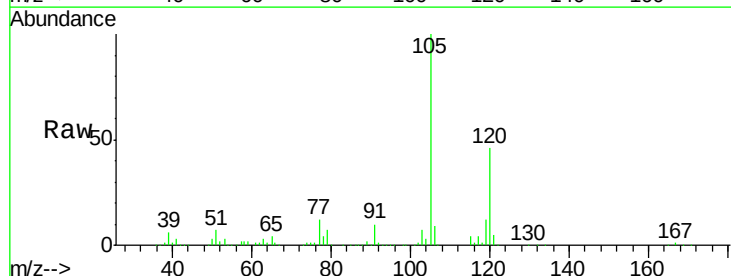
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS01

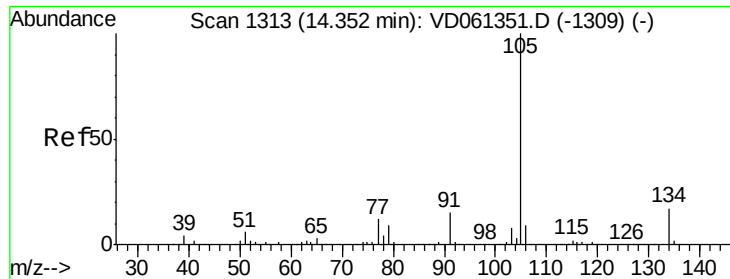
Tot Ion:119 Resp: 588659
 Ion Ratio Lower Upper
 119 100
 91 66.7 34.1 102.3
 134 23.0 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 24.142 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061578.D
 Acq: 4 Apr 2019 14:53

Tgt Ion:105 Resp: 549659
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.8 68.4





#85

sec-Butylbenzene

Concen: 23.119 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

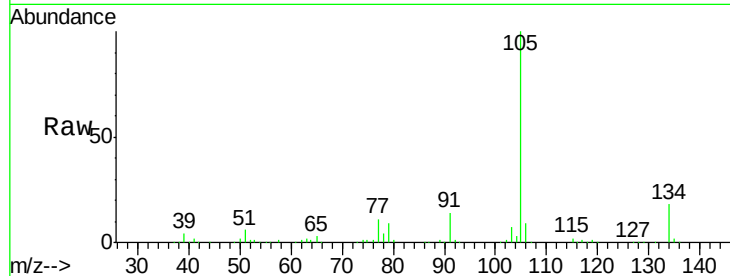
VD0404SBS01

Tot Ion:105 Resp: 645477

Ion Ratio Lower Upper

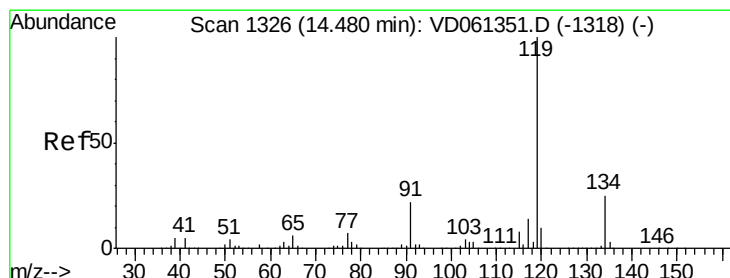
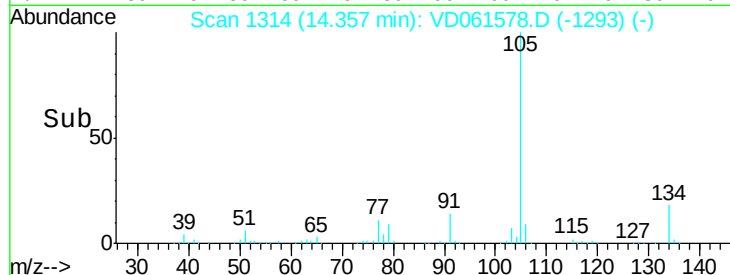
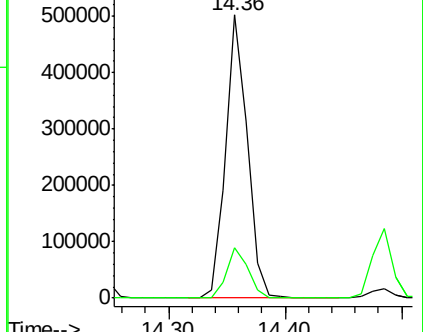
105 100

134 17.9 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 25.654 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

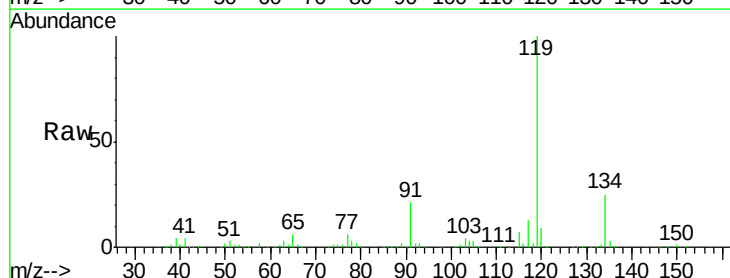
Tgt Ion:119 Resp: 605675

Ion Ratio Lower Upper

119 100

134 25.0 12.3 36.8

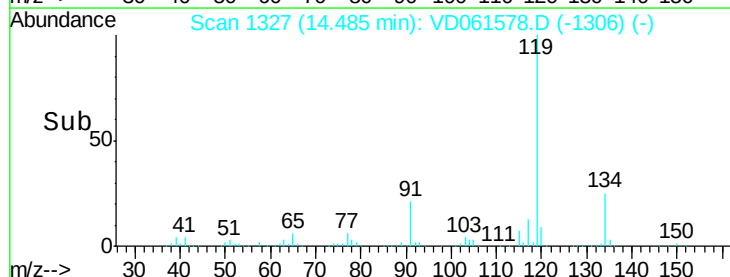
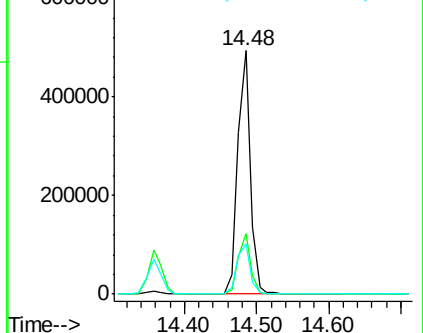
91 20.8 11.1 33.1

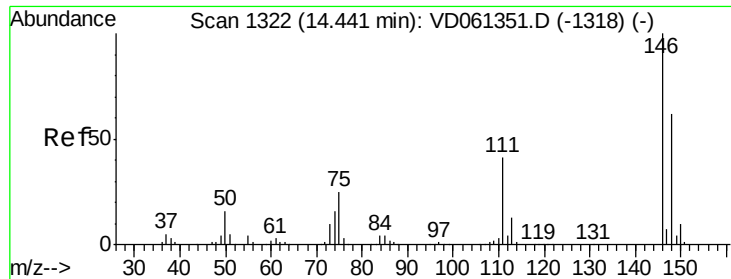


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 23.436 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS01

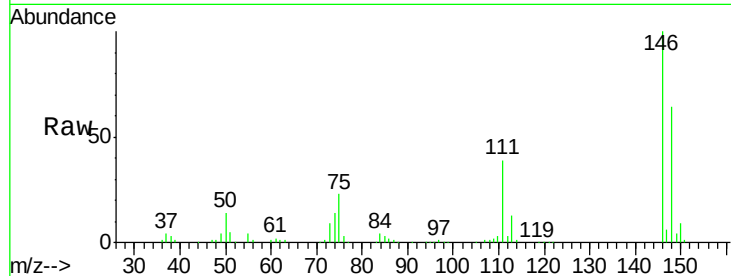
Tot Ion:146 Resp: 318899

Ion Ratio Lower Upper

146 100

111 38.9 20.6 61.9

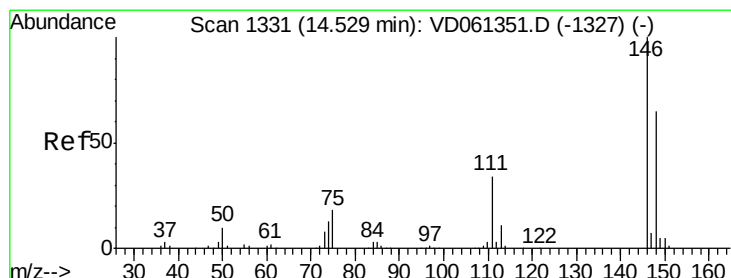
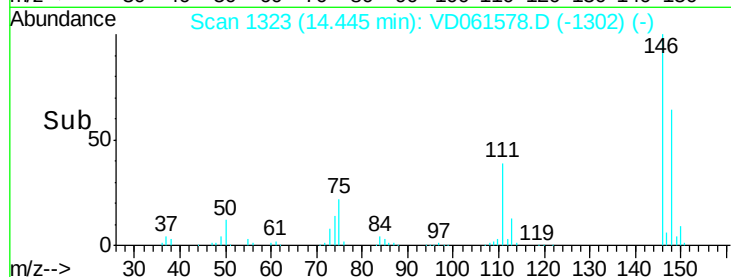
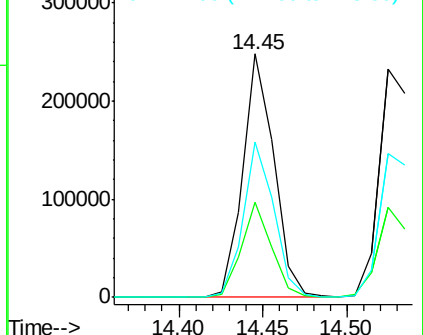
148 64.0 31.1 93.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 24.118 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

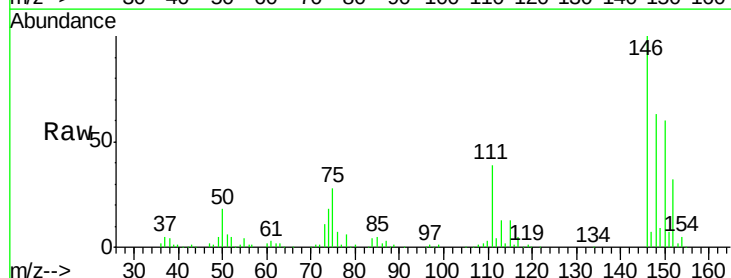
Tgt Ion:146 Resp: 320037

Ion Ratio Lower Upper

146 100

111 39.2 16.8 50.4

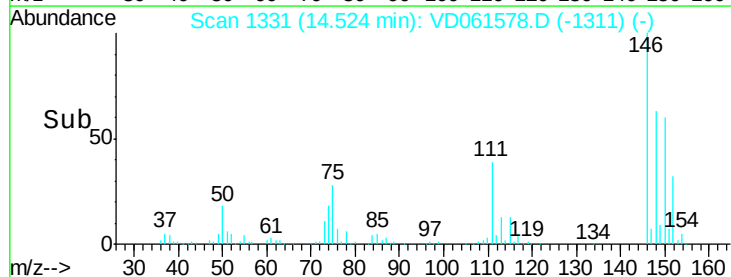
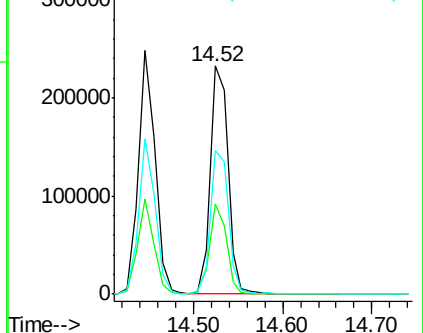
148 63.0 32.6 98.0

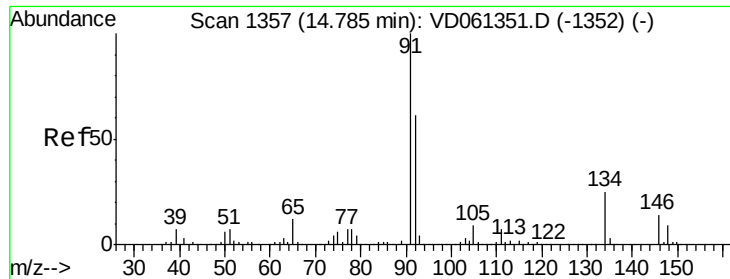


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 22.609 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061578.D

Acq: 4 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS01

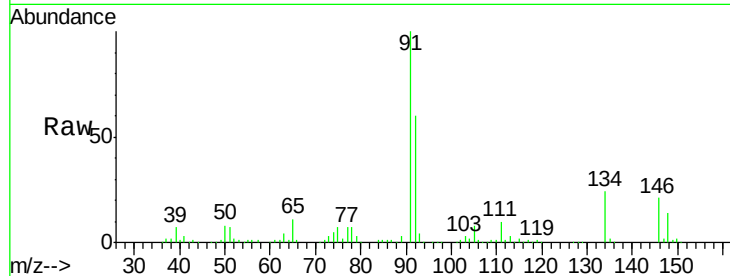
Tot Ion: 91 Resp: 489920

Ion Ratio Lower Upper

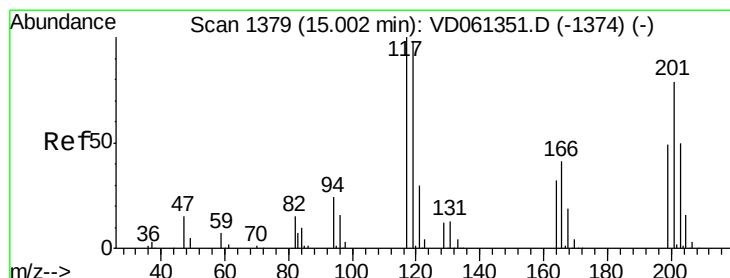
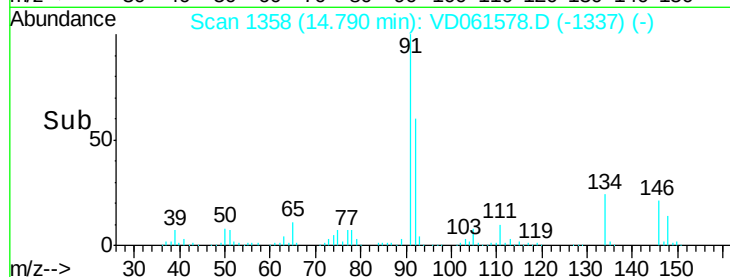
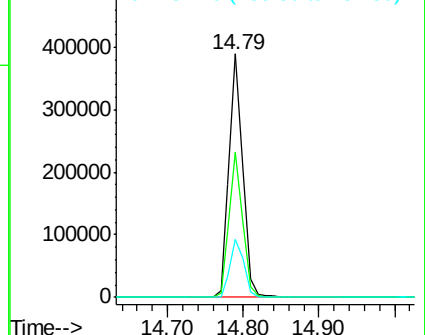
91 100

92 59.7 30.3 91.0

134 23.9 12.4 37.0



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): V



#90

Hexachloroethane

Concen: 24.147 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061578.D

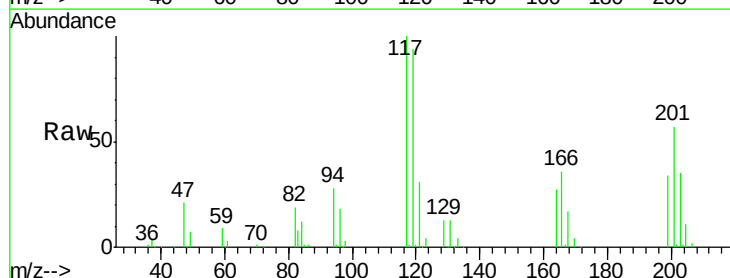
Acq: 4 Apr 2019 14:53

Tgt Ion: 117 Resp: 161061

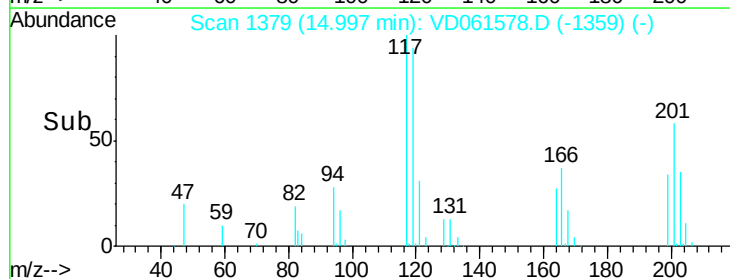
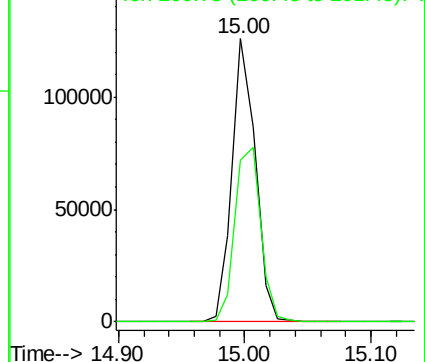
Ion Ratio Lower Upper

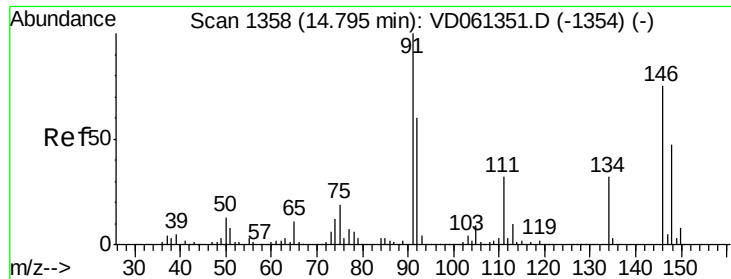
117 100

201 57.3 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

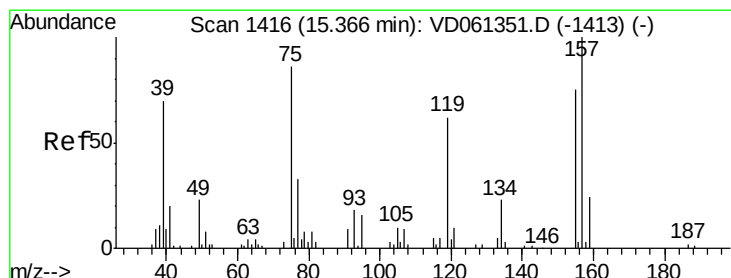
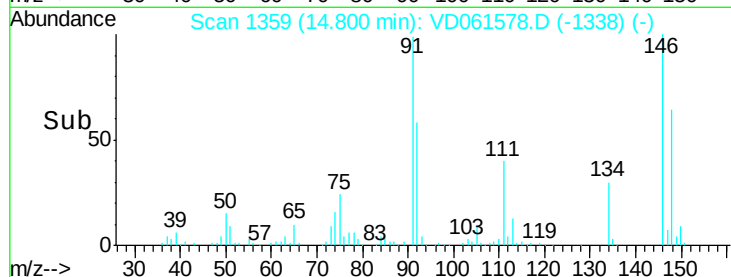
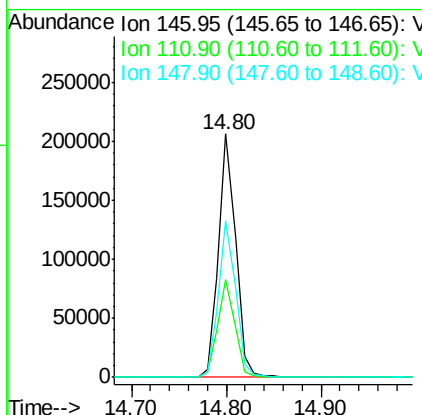
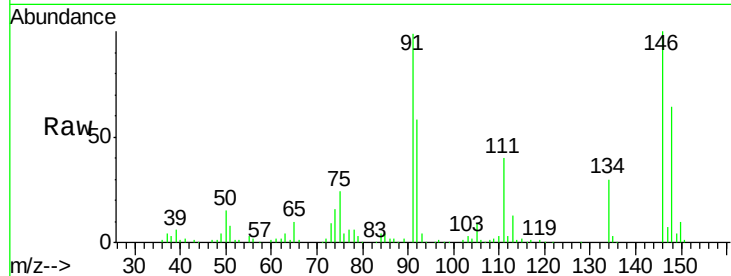




#91
 1,2-Dichlorobenzene
 Concen: 23.291 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061578.D
 Acq: 4 Apr 2019 14:53

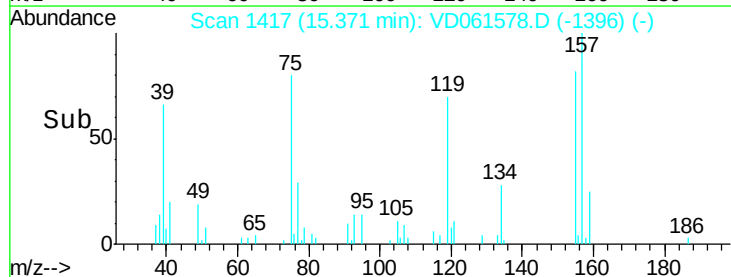
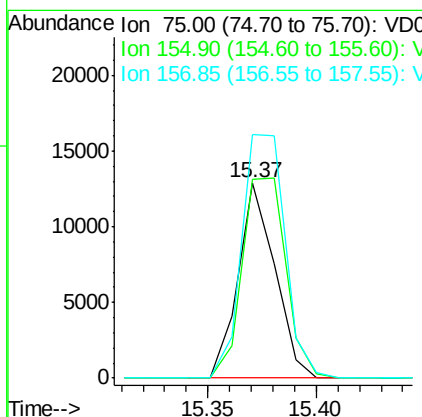
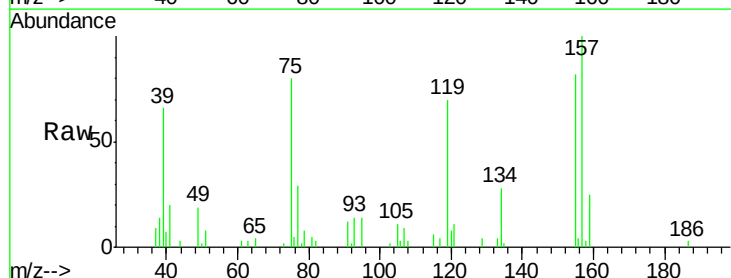
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS01

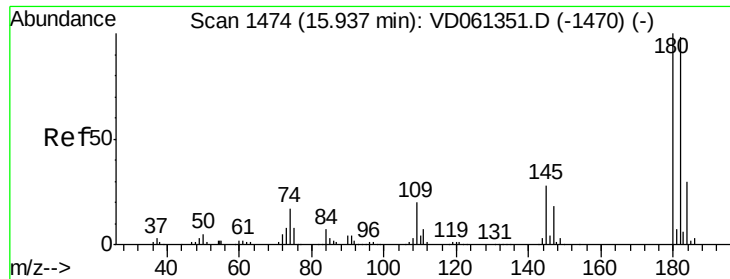
Tot Ion:146 Resp: 259956
 Ion Ratio Lower Upper
 146 100
 111 40.2 21.2 63.6
 148 64.3 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.687 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061578.D
 Acq: 4 Apr 2019 14:53

Tgt Ion: 75 Resp: 15214
 Ion Ratio Lower Upper
 75 100
 155 102.0 43.6 130.9
 157 124.8 58.5 175.3

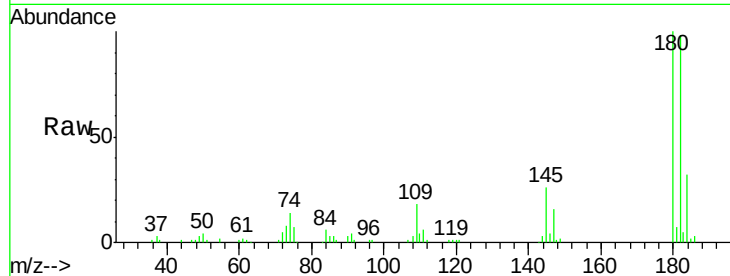




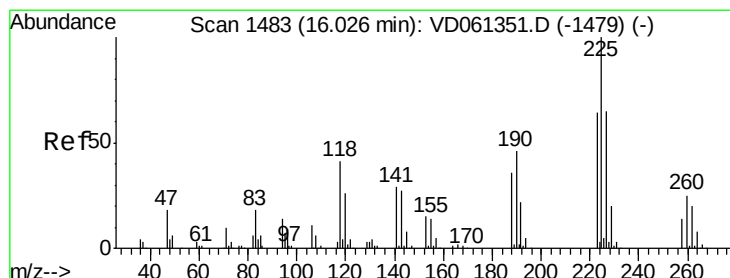
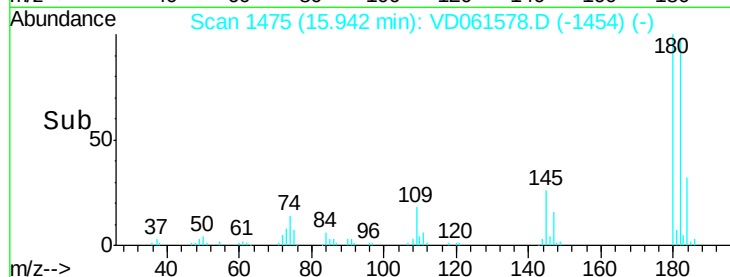
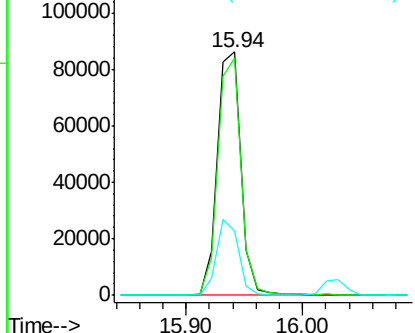
#93
 1,2,4-Trichlorobenzene
 Concen: 23.799 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061578.D
 Acq: 4 Apr 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS01

Tot Ion:180 Resp: 121001
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.9 146.8
 145 26.2 14.1 42.3

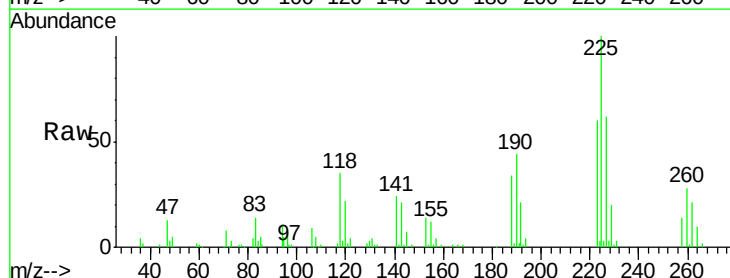


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

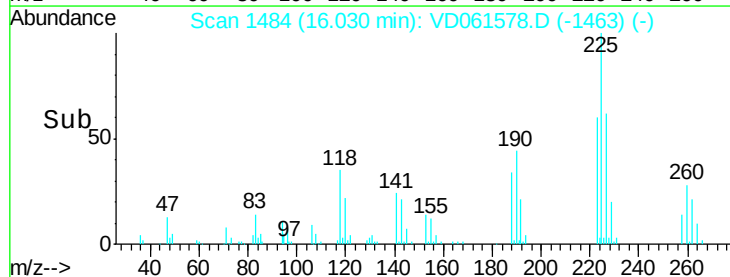
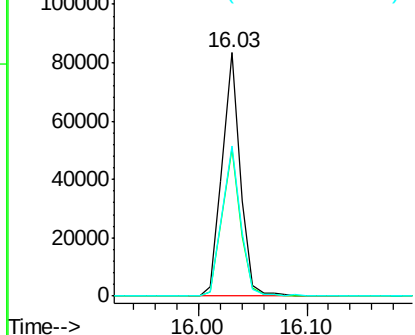


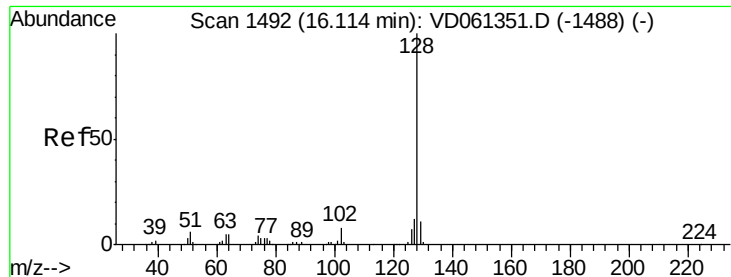
#94
 Hexachlorobutadiene
 Concen: 24.654 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061578.D
 Acq: 4 Apr 2019 14:53

Tgt Ion:225 Resp: 97952
 Ion Ratio Lower Upper
 225 100
 223 60.5 32.0 96.0
 227 61.8 32.4 97.2



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

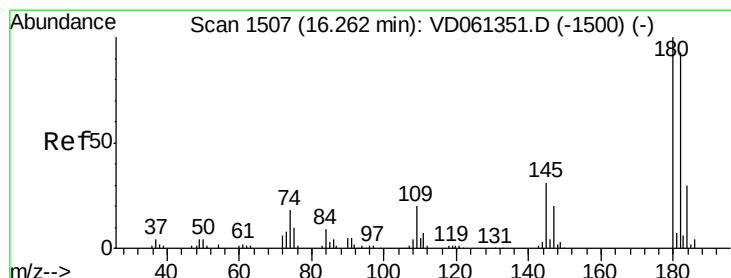
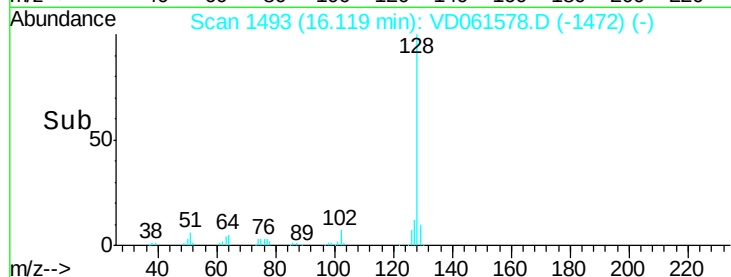
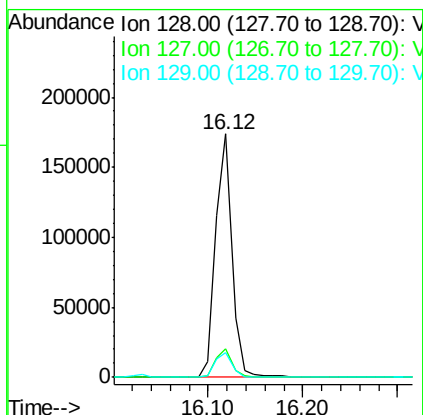
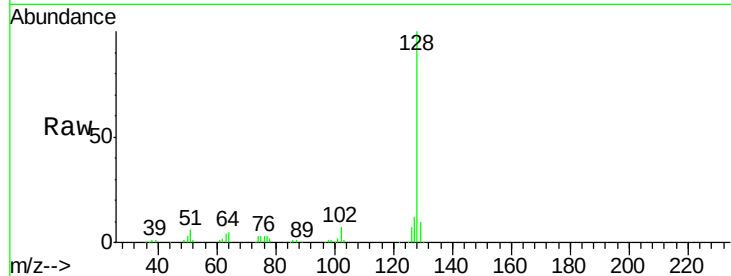




#95
Naphthalene
Concen: 27.005 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS01

Tot Ion:128 Resp: 209286
Ion Ratio Lower Upper
128 100
127 11.5 9.9 14.9
129 10.3 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 28.595 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061578.D
Acq: 4 Apr 2019 14:53

Tgt Ion:180 Resp: 63976
Ion Ratio Lower Upper
180 100
182 100.3 46.4 139.1
145 25.9 15.3 45.9

