

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061579.D
 Acq On : 4 Apr 2019 15:21
 Operator : VA/AP
 Sample : VD0404SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 05 01:10:23 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	632990	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	1008220	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.35	117	845262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	373332	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	260036	48.09	ug/l	0.00
Spiked Amount						
			Recovery	=	96.18%	
35) Dibromofluoromethane	6.91	113	412502	53.54	ug/l	0.01
Spiked Amount						
			Recovery	=	107.08%	
50) Toluene-d8	10.39	98	968560	52.41	ug/l	0.01
Spiked Amount						
			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	13.54	95	400284	56.49	ug/l	0.00
Spiked Amount						
			Recovery	=	112.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	142460	21.074	ug/l	99
3) Chloromethane	1.75	50	115065	20.871	ug/l	99
4) Vinyl Chloride	1.85	62	115762	22.868	ug/l	99
5) Bromomethane	2.15	94	18567	18.497	ug/l #	94
6) Chloroethane	2.25	64	33030	22.250	ug/l #	87
7) Trichlorofluoromethane	2.52	101	165647	22.503	ug/l	99
8) Diethyl Ether	2.86	74	50799	21.434	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	167158	21.123	ug/l	94
10) Methyl Iodide	3.30	142	204020	19.249	ug/l	100
11) Tert butyl alcohol	4.05	59	35752	106.169	ug/l	98
12) 1,1-Dichloroethene	3.12	96	150088	22.090	ug/l	98
13) Acrolein	3.02	56	22037	69.331	ug/l	96
14) Allyl chloride	3.61	41	196561	20.742	ug/l	97
15) Acrylonitrile	4.18	53	109606	93.778	ug/l	96
16) Acetone	3.21	43	139283	100.202	ug/l	96
17) Carbon Disulfide	3.37	76	430776	19.514	ug/l	99
18) Methyl Acetate	3.63	43	61227	20.950	ug/l	98
19) Methyl tert-butyl Ether	4.22	73	239536	20.367	ug/l	99
20) Methylene Chloride	3.80	84	199585	24.658	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	152407	20.777	ug/l	93
22) Diisopropyl ether	5.10	45	442646	22.073	ug/l	98
23) Vinyl Acetate	5.04	43	1211245	111.194	ug/l	100
24) 1,1-Dichloroethane	4.96	63	240676	20.422	ug/l	97
25) 2-Butanone	6.05	43	167978	96.068	ug/l	98
26) 2,2-Dichloropropane	6.00	77	204643	21.843	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	171225	21.305	ug/l	95
28) Bromochloromethane	6.42	49	95828	20.143	ug/l #	99
29) Tetrahydrofuran	6.43	42	86774	102.388	ug/l	97
30) Chloroform	6.64	83	262448	21.552	ug/l	98
31) Cyclohexane	6.93	56	199525	21.424	ug/l	99
32) 1,1,1-Trichloroethane	6.85	97	243879	22.701	ug/l	97
36) 1,1-Dichloropropene	7.13	75	205802	23.388	ug/l	97
37) Ethyl Acetate	6.16	43	82400	21.896	ug/l	99
38) Carbon Tetrachloride	7.10	117	236530	23.392	ug/l	93

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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)
39) Methylcyclohexane	8.85	83	226630	24.729	ug/l	98
40) Benzene	7.43	78	483357	21.887	ug/l	97
41) Methacrylonitrile	6.43	41	93254	21.193	ug/l #	97
42) 1,2-Dichloroethane	7.56	62	161076	24.383	ug/l	99
43) Isopropyl Acetate	9.22	43	112668	20.576	ug/l	99
44) Trichloroethene	8.52	130	195790	23.823	ug/l	94
45) 1,2-Dichloropropane	8.92	63	130069	23.227	ug/l	97
46) Dibromomethane	9.05	93	87710	23.270	ug/l	94
47) Bromodichloromethane	9.36	83	197427	23.337	ug/l	98
48) Methyl methacrylate	9.11	41	67451	22.321	ug/l	94
49) 1,4-Dioxane	9.07	88	14219	426.596	ug/l #	91
51) 4-Methyl-2-Pentanone	10.28	43	382053	114.686	ug/l	95
52) Toluene	10.49	92	302489	22.451	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	165594	21.545	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	199892	21.358	ug/l	98
55) 1,1,2-Trichloroethane	11.17	97	100871	21.408	ug/l	98
56) Ethyl methacrylate	11.02	69	111779	22.083	ug/l	96
57) 1,3-Dichloropropane	11.39	76	160593	23.189	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.83	63	282601	114.643	ug/l	100
59) 2-Hexanone	11.52	43	277434	114.945	ug/l	98
60) Dibromochloromethane	11.67	129	166413	22.910	ug/l	96
61) 1,2-Dibromoethane	11.79	107	124186	22.761	ug/l	100
64) Tetrachloroethene	11.24	164	149706	22.567	ug/l	98
65) Chlorobenzene	12.38	112	402899	23.324	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	150247	22.464	ug/l	99
67) Ethyl Benzene	12.51	91	608802	23.090	ug/l	97
68) m/p-Xylenes	12.66	106	474254	47.483	ug/l	98
69) o-Xylene	13.04	106	209278	21.592	ug/l	95
70) Styrene	13.06	104	388929	23.019	ug/l	98
71) Bromoform	13.22	173	89184	21.035	ug/l	98
73) Isopropylbenzene	13.40	105	636702	24.504	ug/l	99
74) N-amyl acetate	13.26	43	149424	20.644	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	114572	20.903	ug/l	94
76) 1,2,3-Trichloropropane	13.72	75	118501	21.974	ug/l	98
77) Bromobenzene	13.66	156	165607	21.499	ug/l	82
78) n-propylbenzene	13.76	91	747359	23.503	ug/l	97
79) 2-Chlorotoluene	13.83	91	353974	20.502	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	517913	25.690	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	34193	20.795	ug/l	96
82) 4-Chlorotoluene	13.94	91	488030	25.996	ug/l	95
83) tert-Butylbenzene	14.17	119	535505	21.255	ug/l	100
84) 1,2,4-Trimethylbenzene	14.22	105	504691	23.123	ug/l	99
85) sec-Butylbenzene	14.36	105	618863	23.122	ug/l	97
86) p-Isopropyltoluene	14.48	119	520541	22.999	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	302593	23.197	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	289019	22.720	ug/l	98
89) n-Butylbenzene	14.79	91	486845	23.436	ug/l	99
90) Hexachloroethane	15.00	117	147841	23.122	ug/l	87
91) 1,2-Dichlorobenzene	14.80	146	233228	21.798	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13824	21.504	ug/l #	42

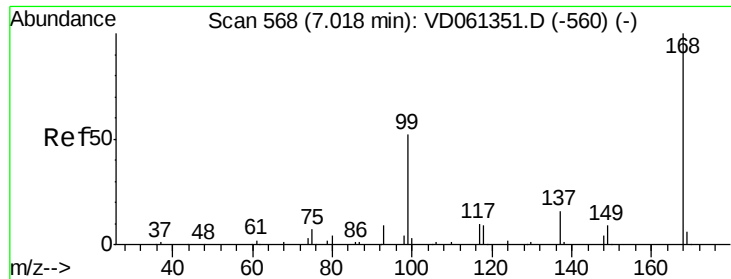
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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	122797	25.194	ug/l	96
94) Hexachlorobutadiene	16.03	225	89524	23.505	ug/l	93
95) Naphthalene	16.11	128	188740	25.405	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	66140	30.838	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

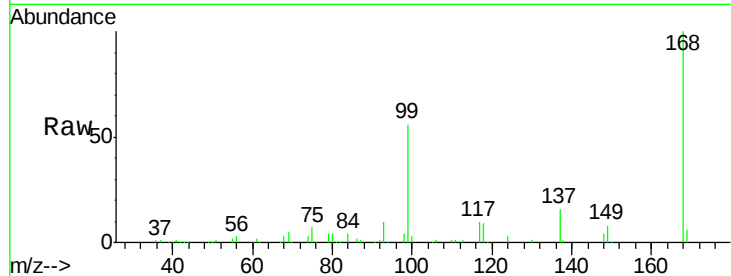
ClientSampleId :

Tot Ion:168 Resp: 632990

Ion Ratio Lower Upper

168 100

99 56.3 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

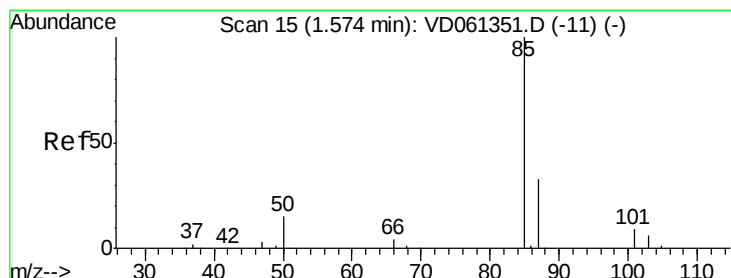
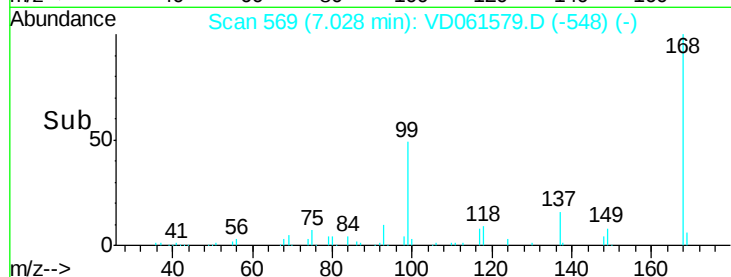
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 21.074 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD061579.D

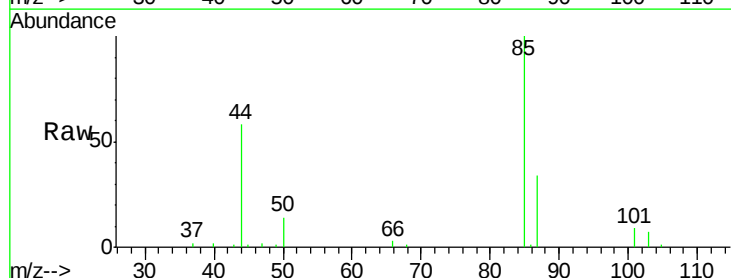
Acq: 4 Apr 2019 15:21

Tgt Ion: 85 Resp: 142460

Ion Ratio Lower Upper

85 100

87 33.9 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

60000

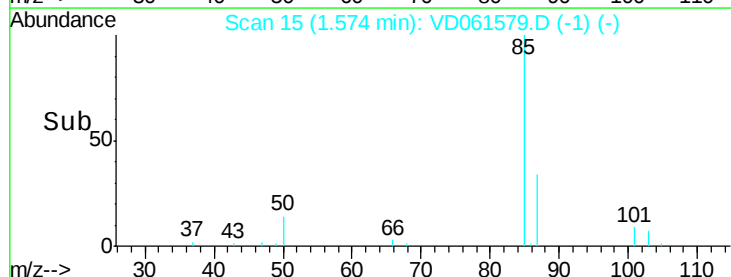
40000

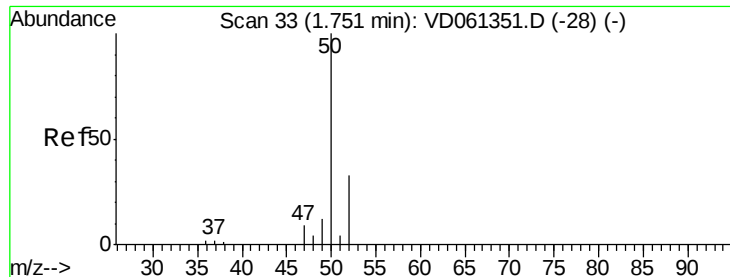
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 20.871 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

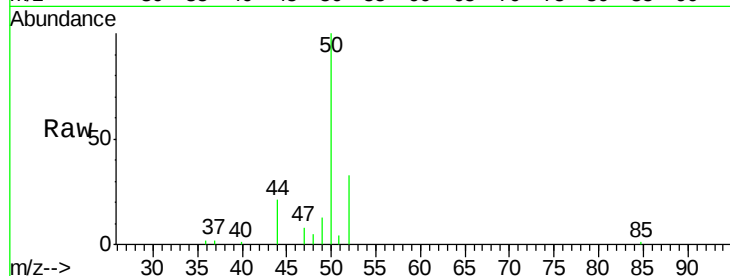
ClientSampleId :

Tot Ion: 50 Resp: 115065

Ion Ratio Lower Upper

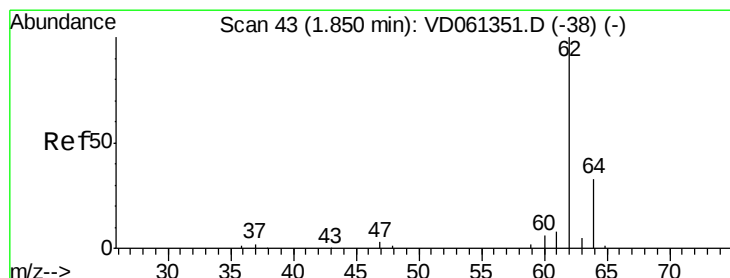
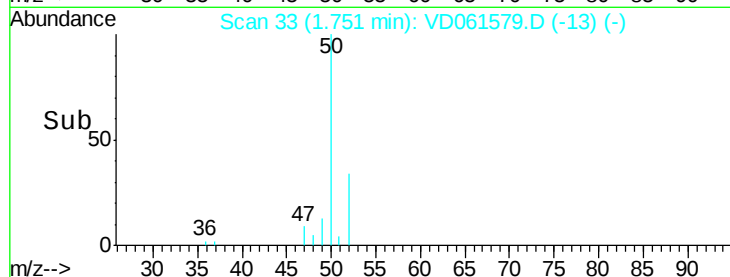
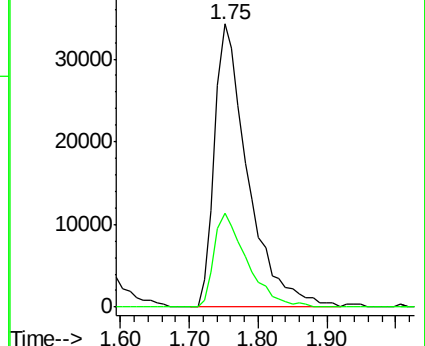
50 100

52 33.1 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: 22.868 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD061579.D

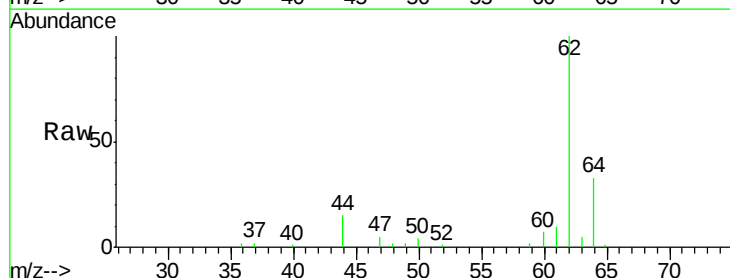
Acq: 4 Apr 2019 15:21

Tgt Ion: 62 Resp: 115762

Ion Ratio Lower Upper

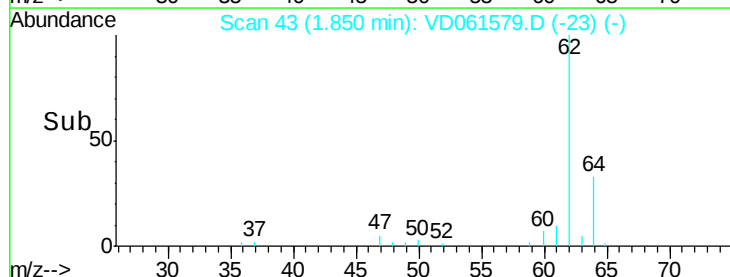
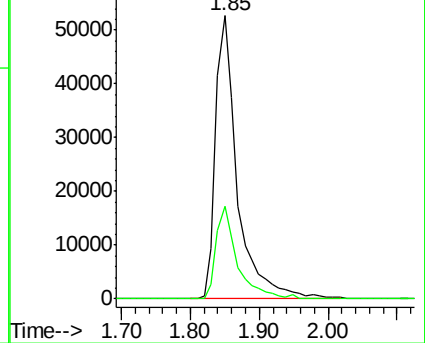
62 100

64 32.5 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: 18.497 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

ClientSampled :

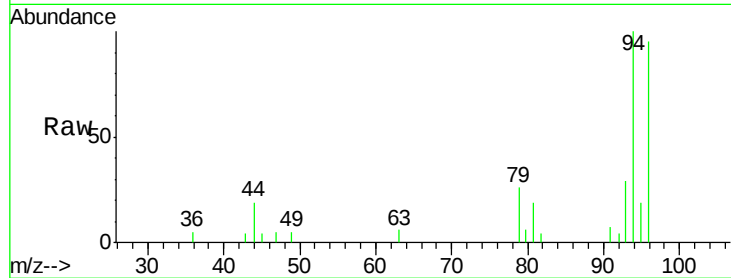
Tot Ion: 94 Resp: 18567

Ion Ratio Lower Upper

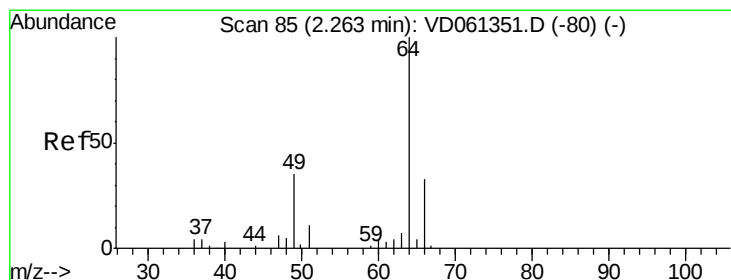
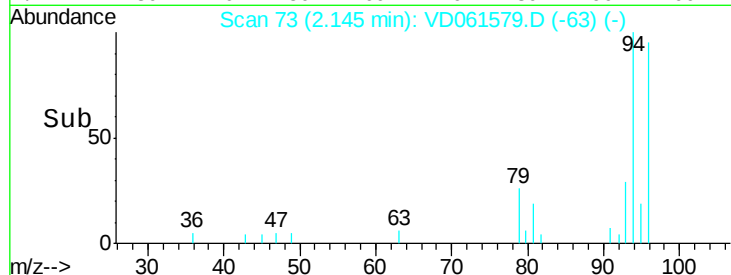
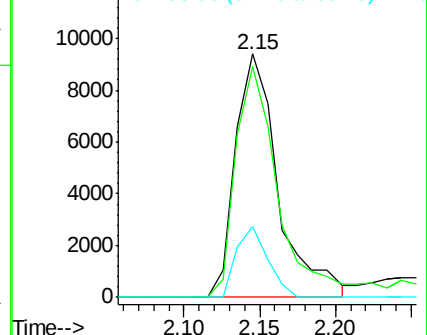
94 100

96 94.9 78.3 117.5

93 29.0 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: 22.250 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD061579.D

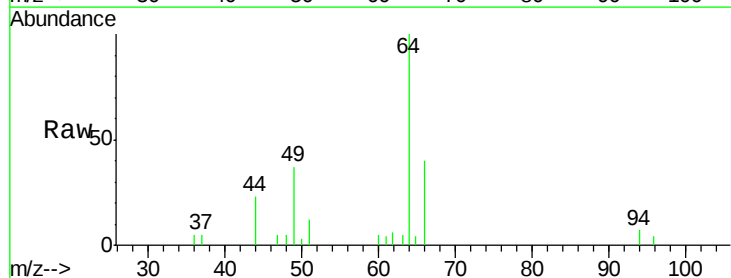
Acq: 4 Apr 2019 15:21

Tgt Ion: 64 Resp: 33030

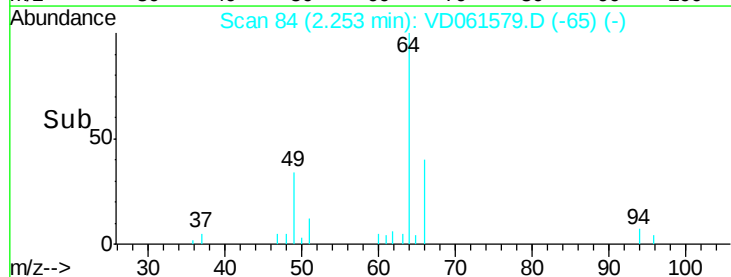
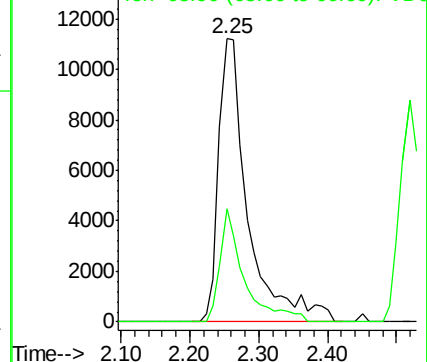
Ion Ratio Lower Upper

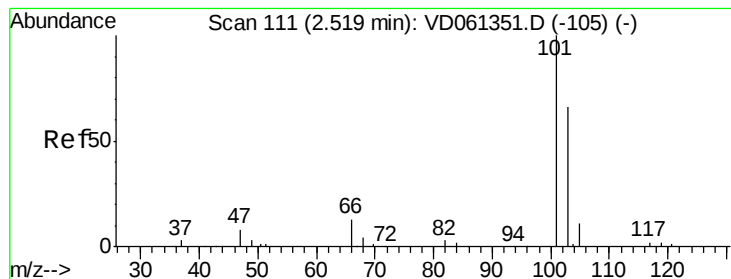
64 100

66 39.8 26.2 39.2#



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



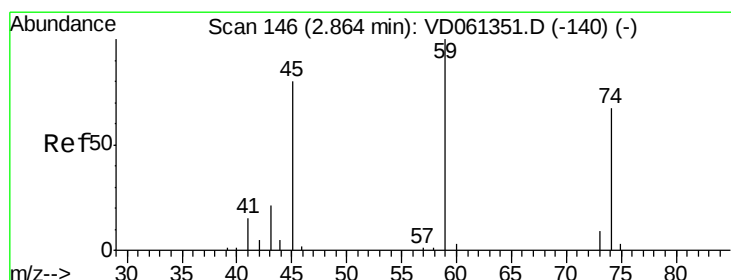
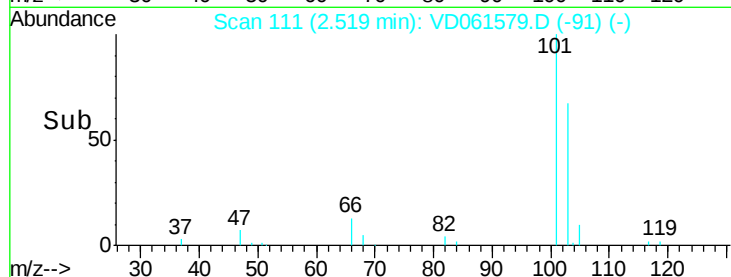
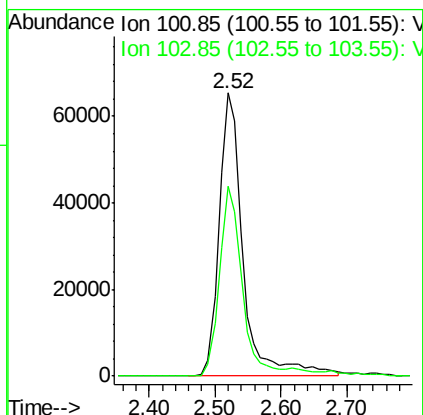
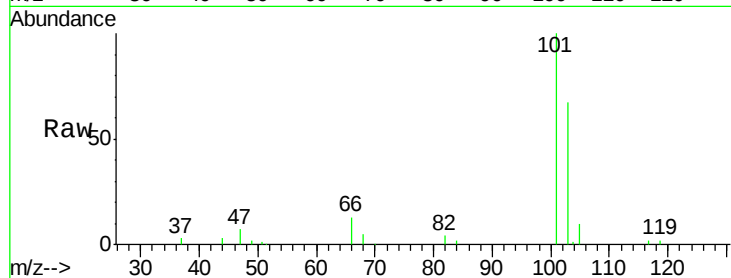


#7

Trichlorofluoromethane
Concen: 22.503 ug/l
RT: 2.52 min Scan# 111
Delta R.T. 0.00 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Instrument :
MSVOA_D
ClientSampleId :

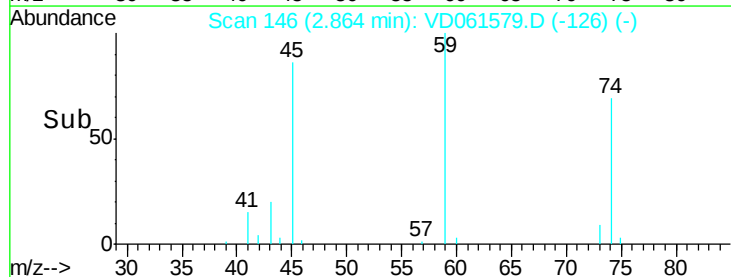
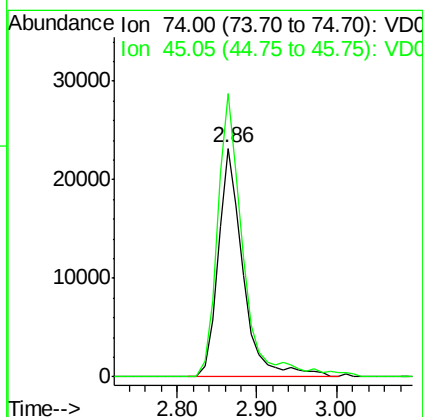
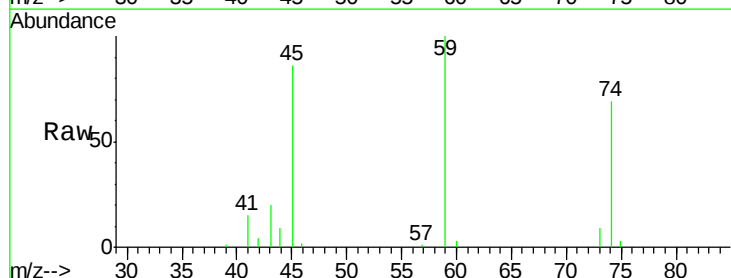
Tot Ion:101 Resp: 165647
Ion Ratio Lower Upper
101 100
103 67.2 53.1 79.7



#8

Diethyl Ether
Concen: 21.434 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Tgt Ion: 74 Resp: 50799
Ion Ratio Lower Upper
74 100
45 123.8 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.123 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

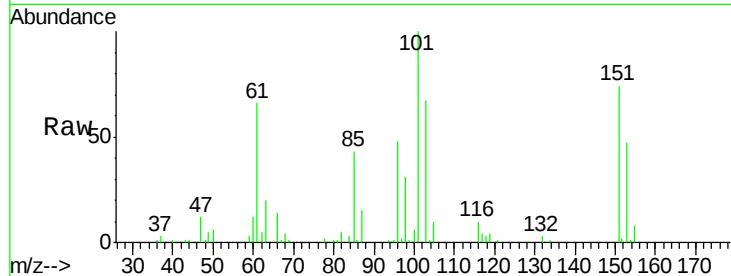
Tot Ion:101 Resp: 167158

Ion Ratio Lower Upper

101 100

85 43.2 29.4 44.0

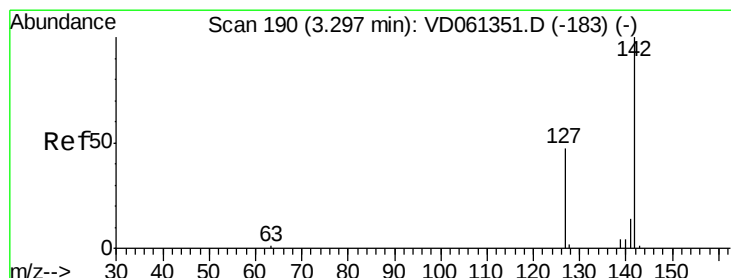
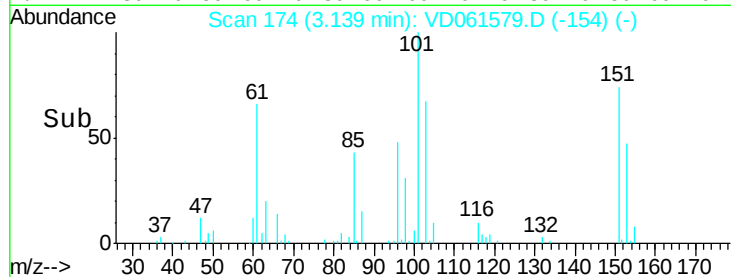
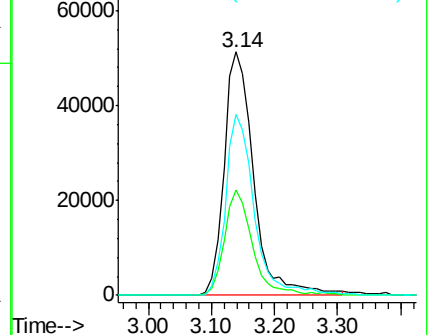
151 74.2 57.0 85.4



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: 19.249 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

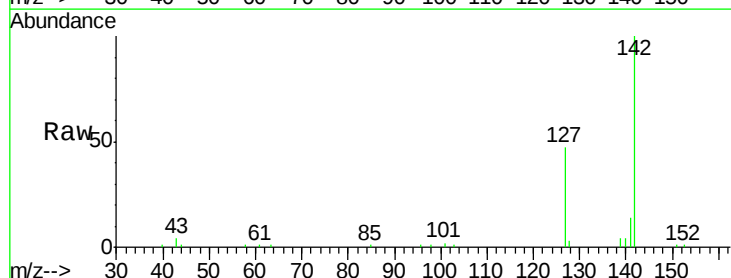
Tgt Ion:142 Resp: 204020

Ion Ratio Lower Upper

142 100

127 47.1 37.7 56.5

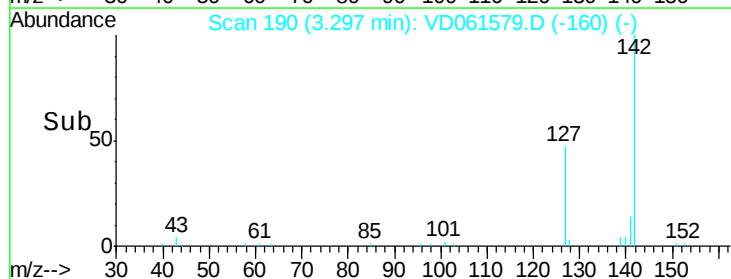
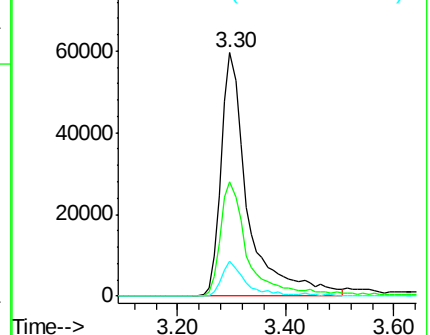
141 14.3 11.5 17.3

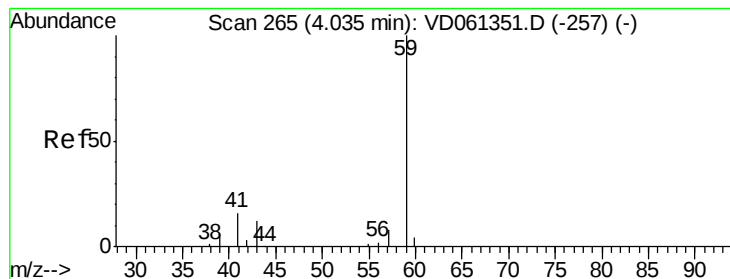


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



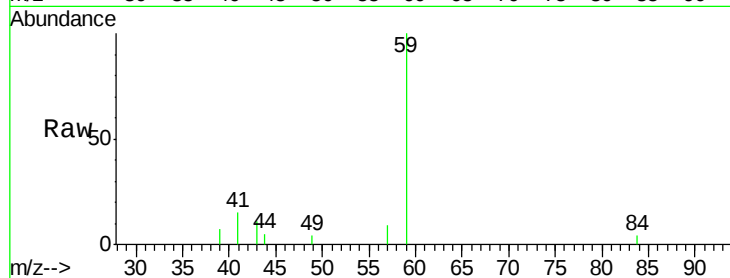


#11

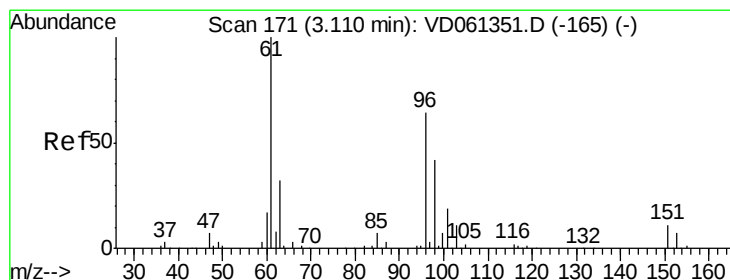
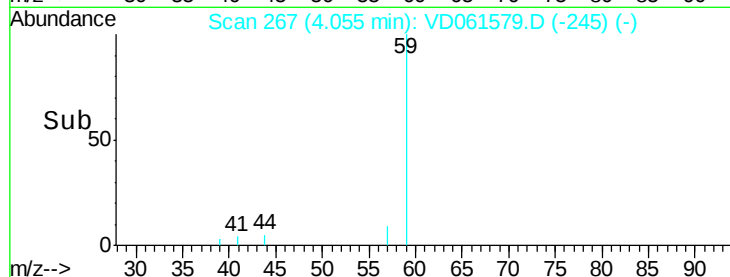
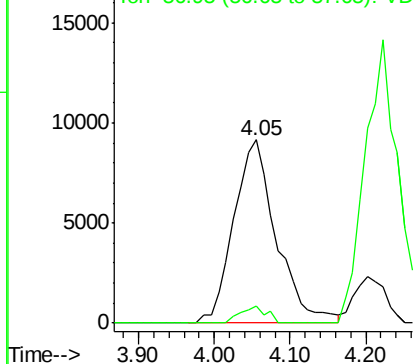
Tert butyl alcohol
 Concen: 106.169 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. 0.02 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 59 Resp: 35752
 Ion Ratio Lower Upper
 59 100
 57 9.0 6.7 10.1



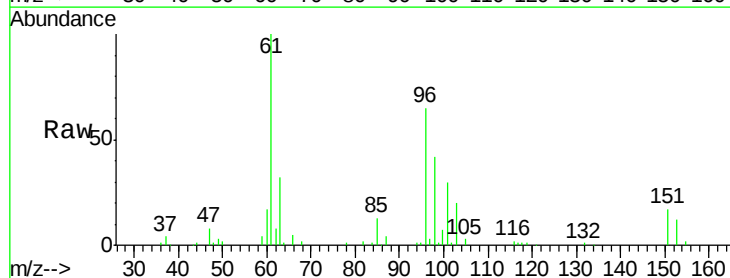
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



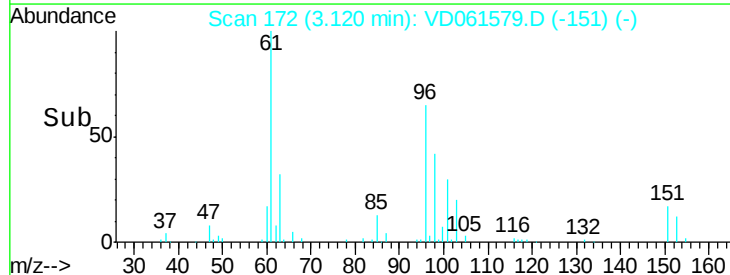
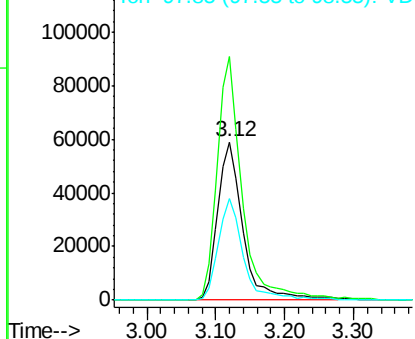
#12

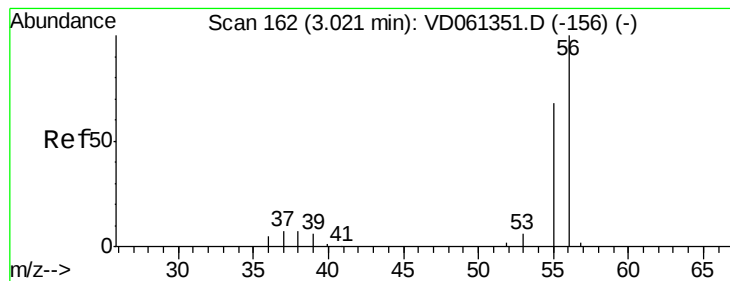
1,1-Dichloroethene
 Concen: 22.090 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.01 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

Tgt Ion: 96 Resp: 150088
 Ion Ratio Lower Upper
 96 100
 61 153.9 124.9 187.3
 98 63.9 52.5 78.7



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





#13

Acrolein

Concen: 69.331 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

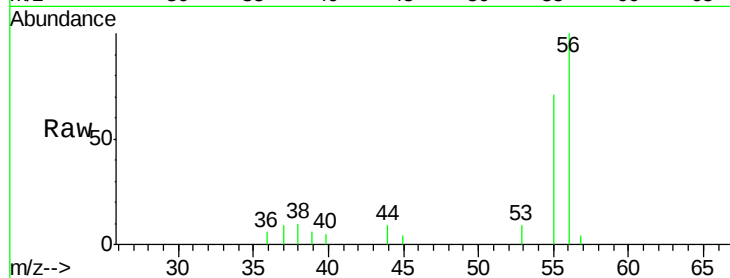
ClientSampleId :

Tot Ion: 56 Resp: 22037

Ion Ratio Lower Upper

56 100

55 71.2 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.02

10000

8000

6000

4000

2000

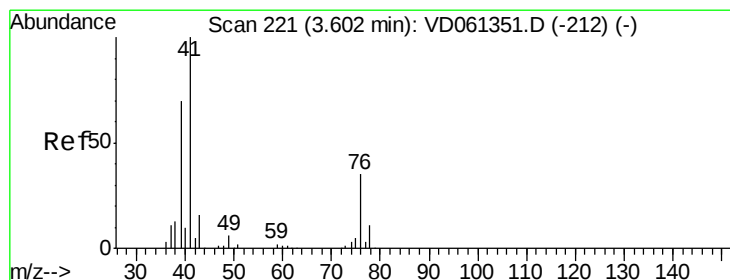
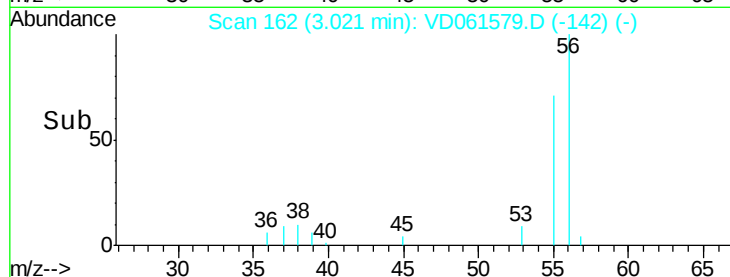
0

Time-->

2.90

3.00

3.10



#14

Allyl chloride

Concen: 20.742 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

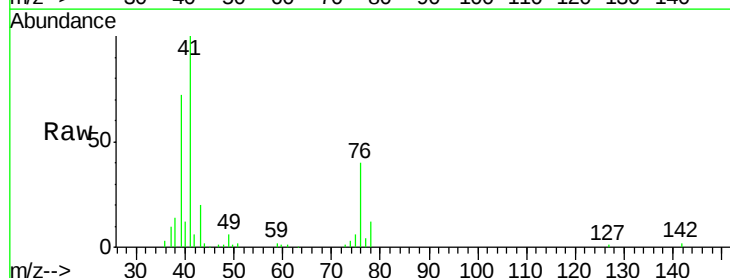
Tgt Ion: 41 Resp: 196561

Ion Ratio Lower Upper

41 100

39 72.4 55.6 83.4

76 40.1 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

80000

60000

40000

20000

0

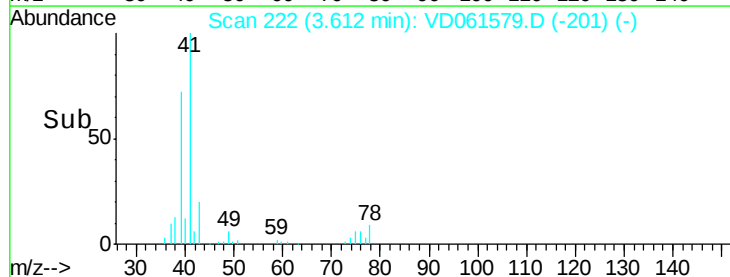
Time-->

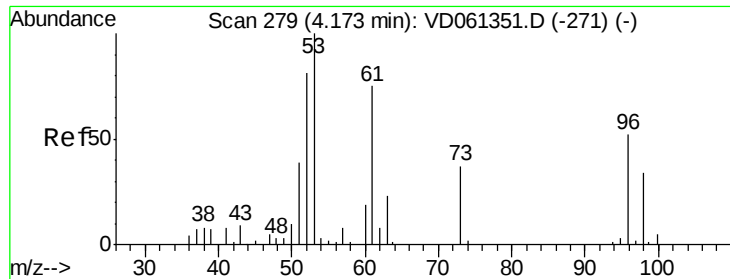
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 93.778 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :
MSVOA_D
ClientSampleId :

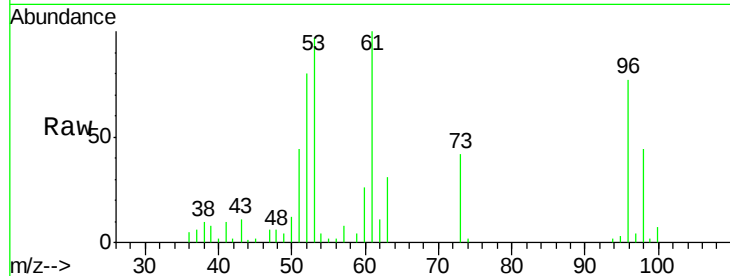
Tot Ion: 53 Resp: 109606

Ion Ratio Lower Upper

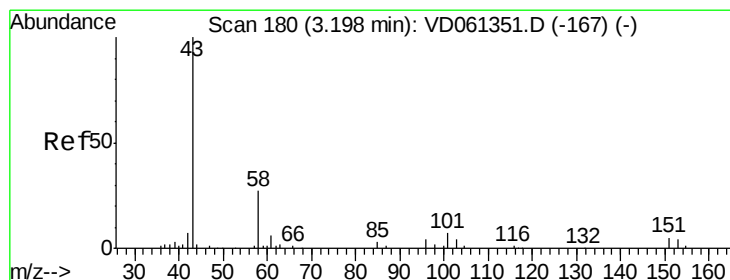
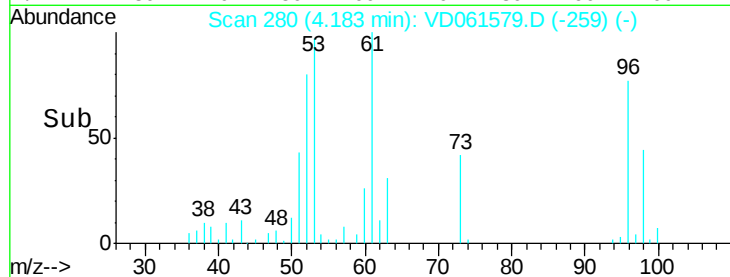
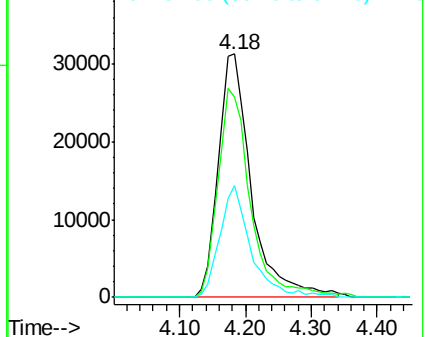
53 100

52 82.3 64.8 97.2

51 45.7 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: 100.202 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD061579.D

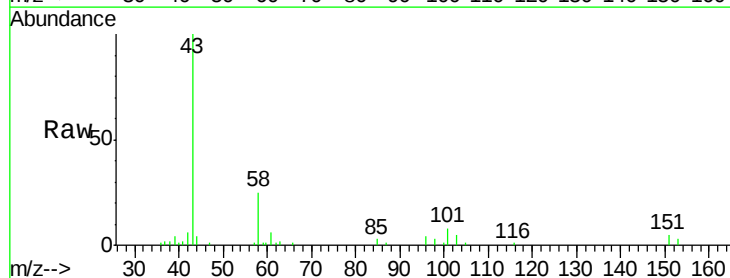
Acq: 4 Apr 2019 15:21

Tgt Ion: 43 Resp: 139283

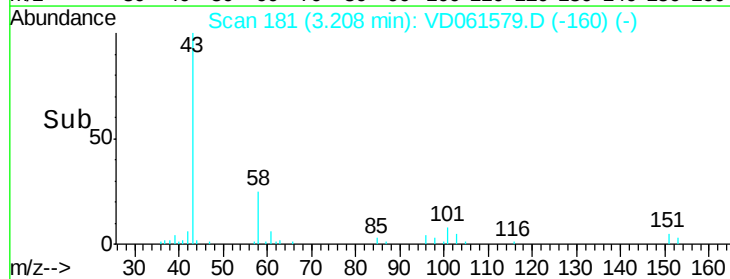
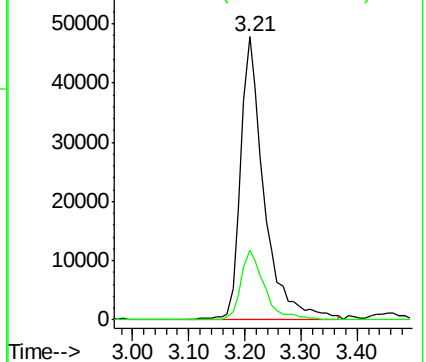
Ion Ratio Lower Upper

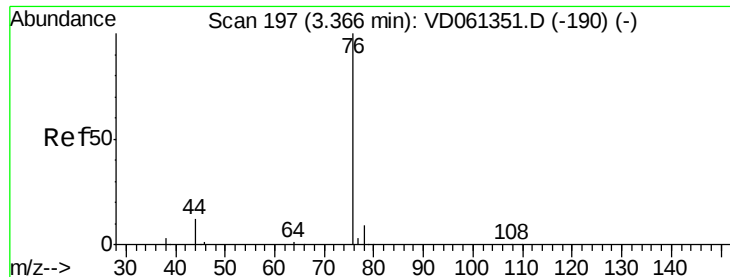
43 100

58 24.7 21.5 32.3



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

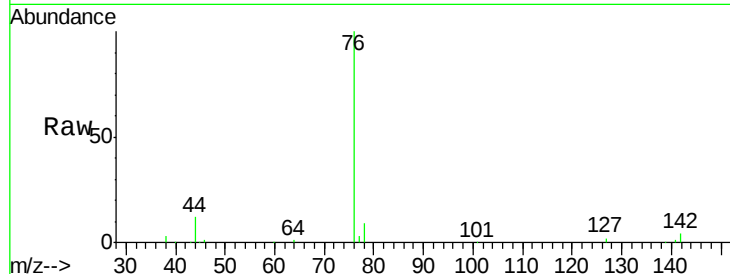




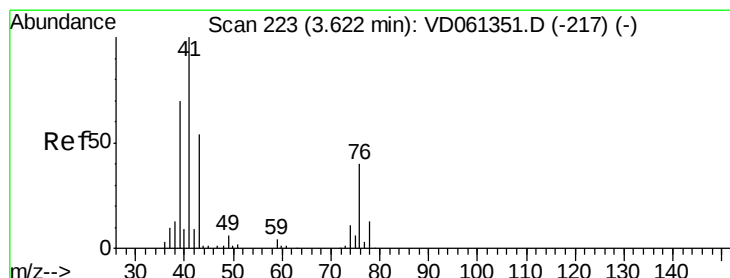
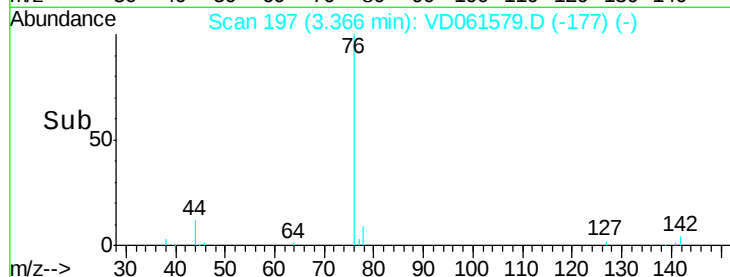
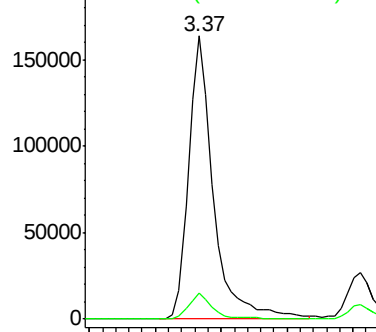
#17
Carbon Disulfide
Concen: 19.514 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 430776
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

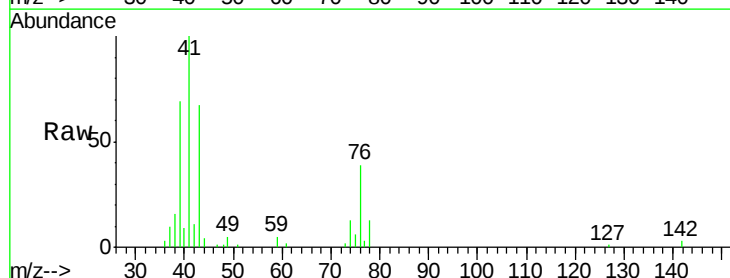


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

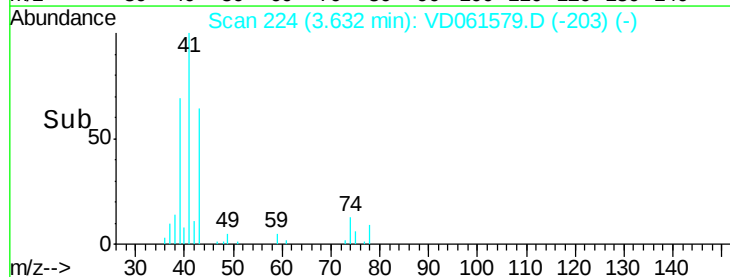
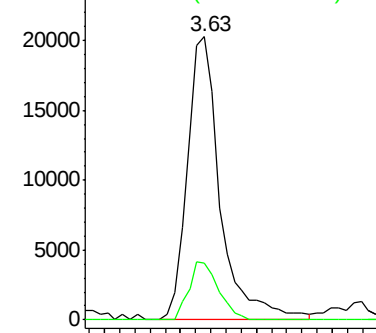


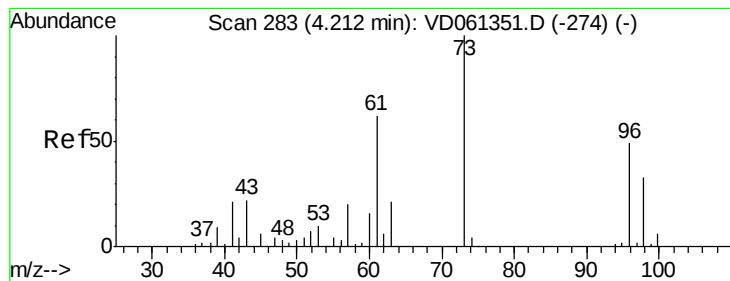
#18
Methyl Acetate
Concen: 20.950 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.01 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Tgt Ion: 43 Resp: 61227
Ion Ratio Lower Upper
43 100
74 19.9 16.7 25.1



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



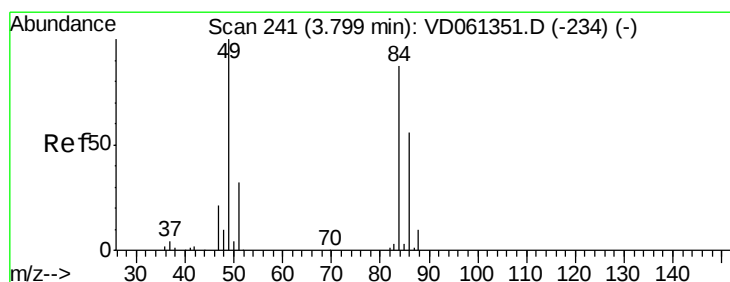
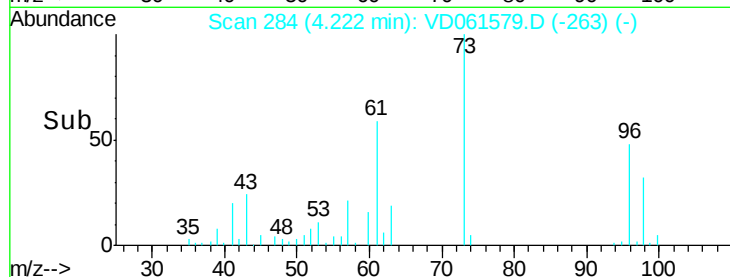
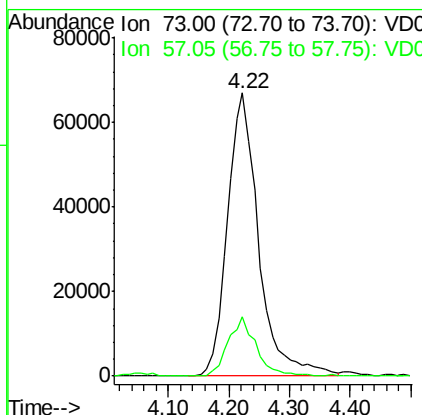
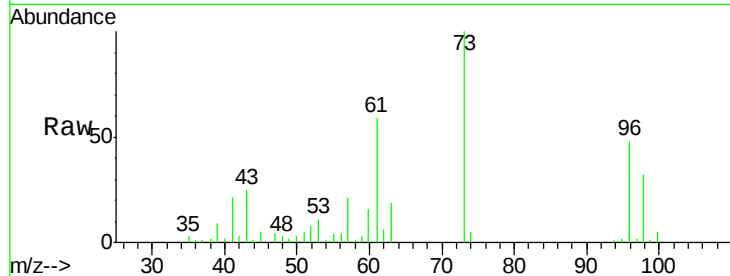


#19

Methyl tert-butyl Ether
 Concen: 20.367 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. 0.01 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

Instrument :
 MSVOA_D
 ClientSampleID :

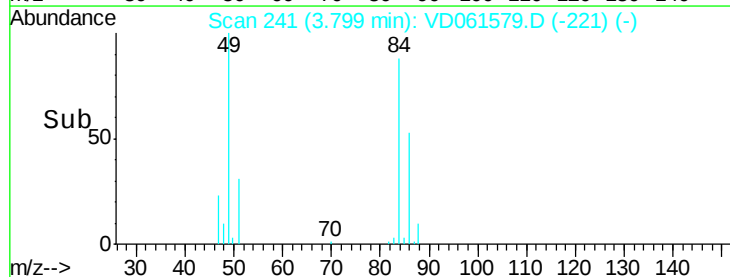
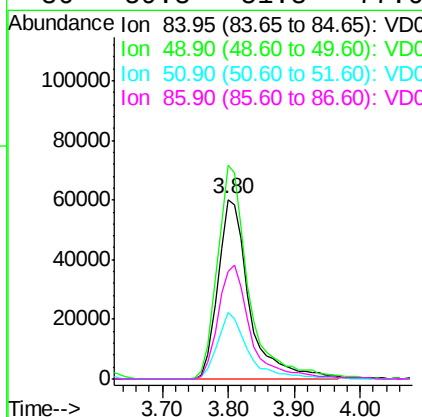
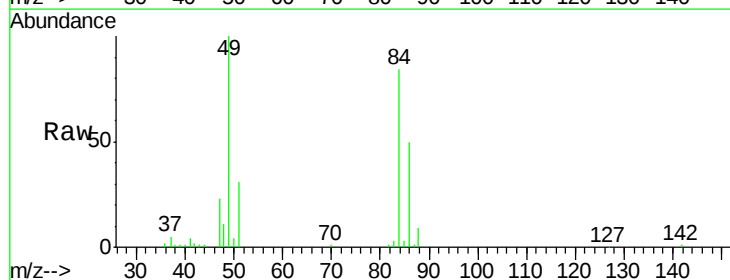
Tot Ion: 73 Resp: 239536
 Ion Ratio Lower Upper
 73 100
 57 21.1 16.4 24.6



#20

Methylene Chloride
 Concen: 24.658 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

Tgt Ion: 84 Resp: 199585
 Ion Ratio Lower Upper
 84 100
 49 119.0 91.8 137.8
 51 37.3 29.8 44.8
 86 59.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.777 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :
MSVOA_D
ClientSampled :

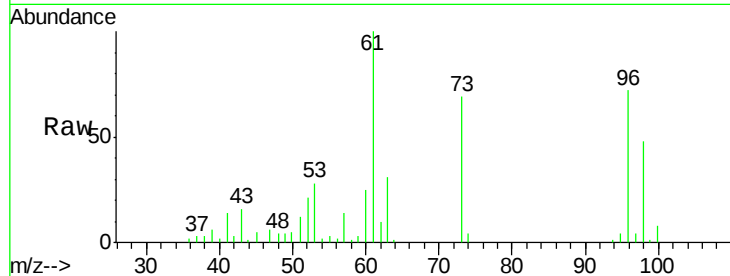
Tot Ion: 96 Resp: 152407

Ion Ratio Lower Upper

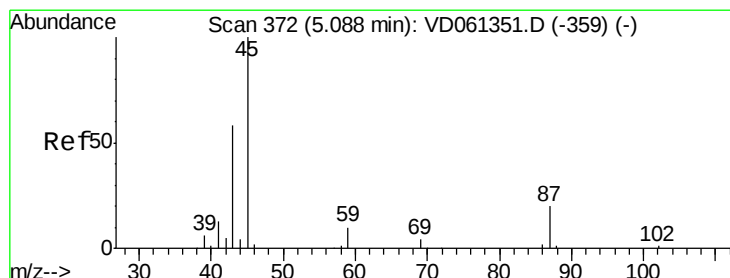
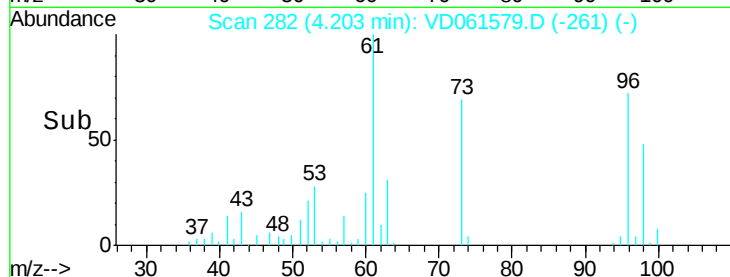
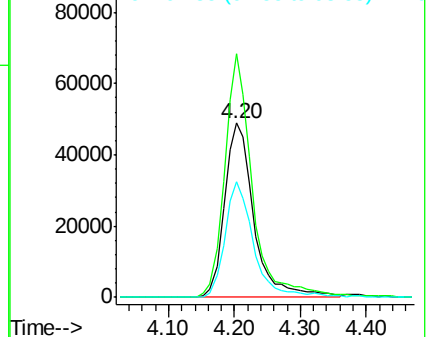
96 100

61 139.7 102.7 154.1

98 66.6 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: 22.073 ug/l

RT: 5.10 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Tgt Ion: 45 Resp: 442646

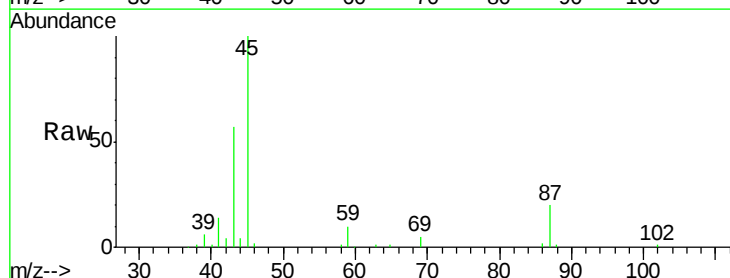
Ion Ratio Lower Upper

45 100

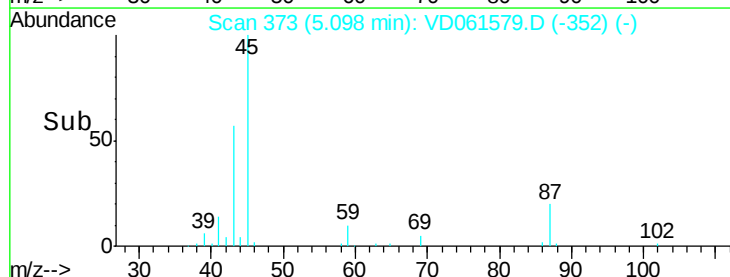
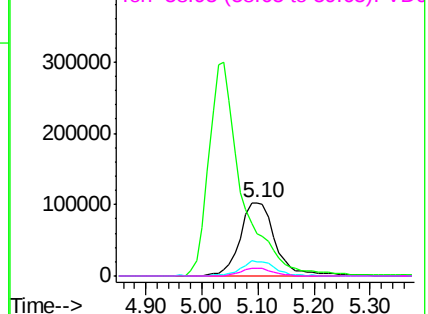
43 57.2 47.4 71.2

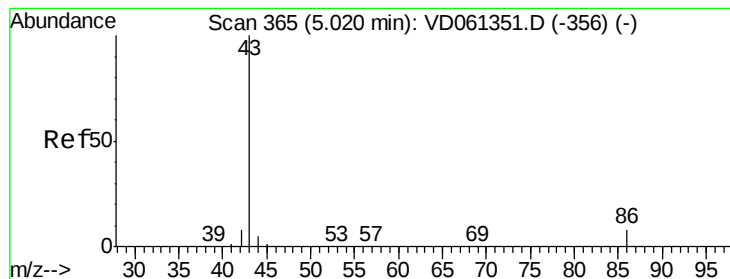
87 19.6 16.3 24.5

59 9.9 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: 111.194 ug/l

RT: 5.04 min Scan# 367

Delta R.T. 0.02 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

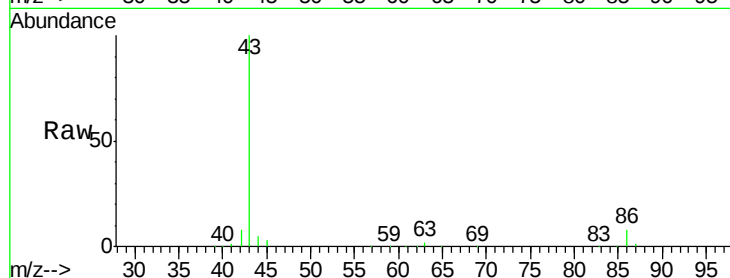
ClientSampleId :

Tot Ion: 43 Resp: 1211245

Ion Ratio Lower Upper

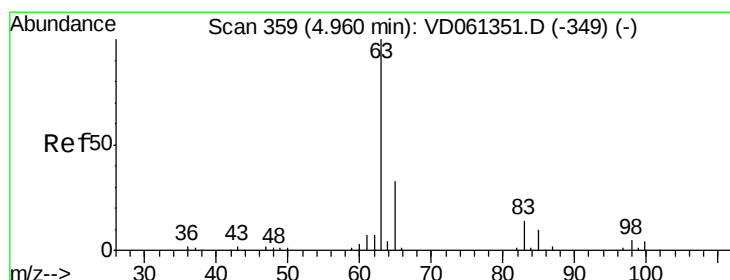
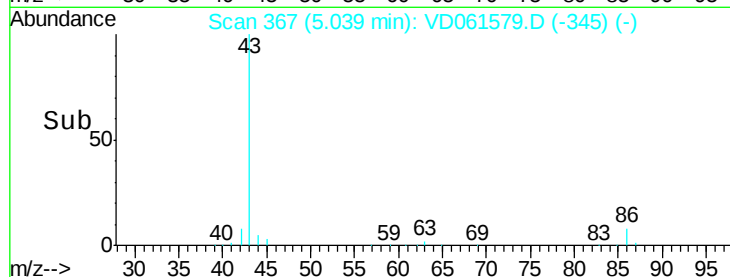
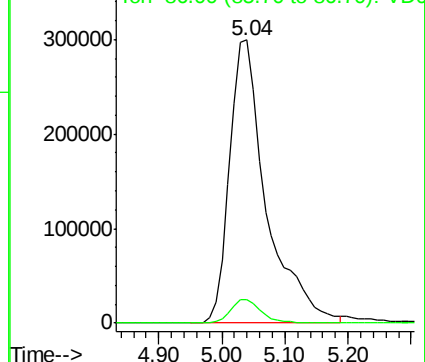
43 100

86 8.3 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: 20.422 ug/l

RT: 4.96 min Scan# 359

Delta R.T. 0.00 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

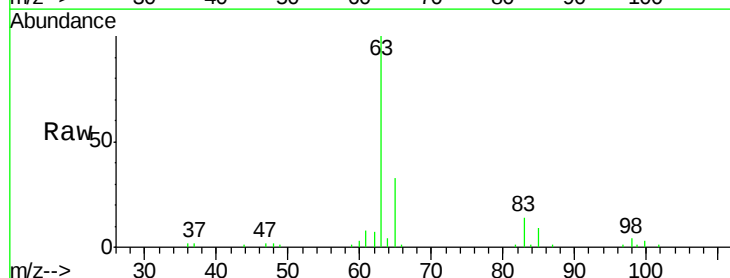
Tgt Ion: 63 Resp: 240676

Ion Ratio Lower Upper

63 100

98 4.0 2.6 8.0

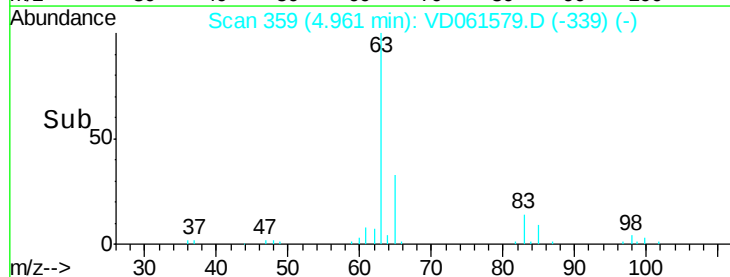
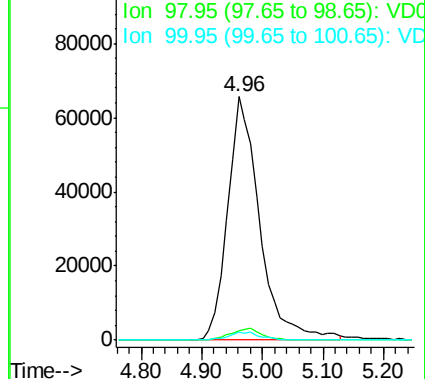
100 3.1 1.8 5.3



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: 96.068 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

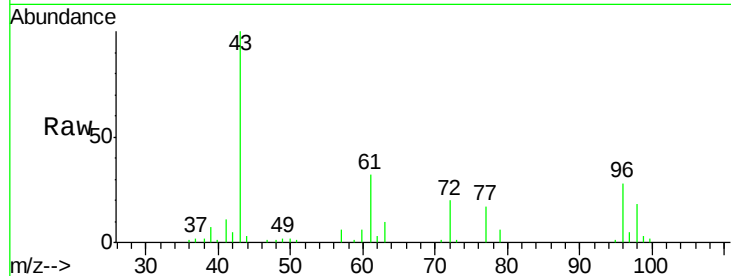
ClientSampled :

Tot Ion: 43 Resp: 167978

Ion Ratio Lower Upper

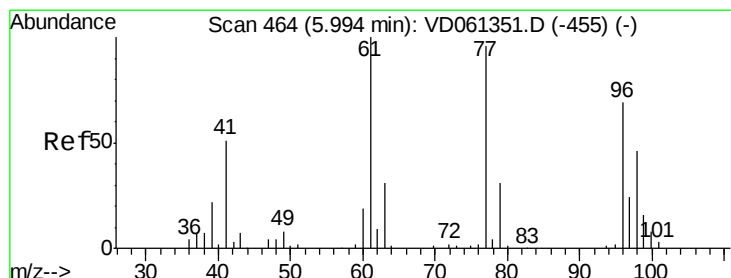
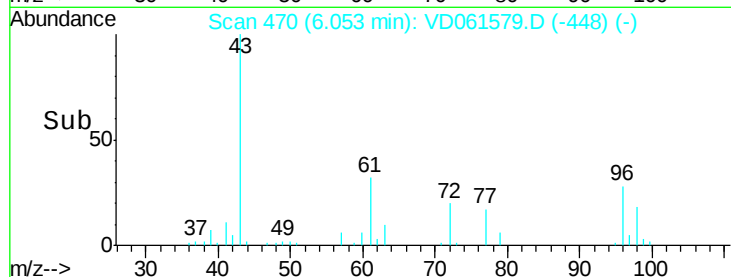
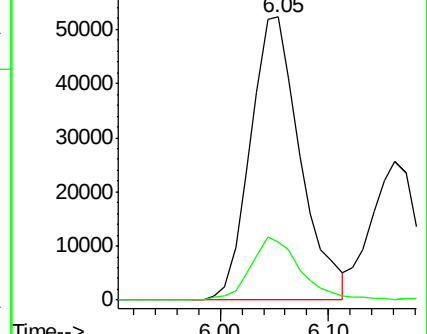
43 100

72 20.4 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: 21.843 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD061579.D

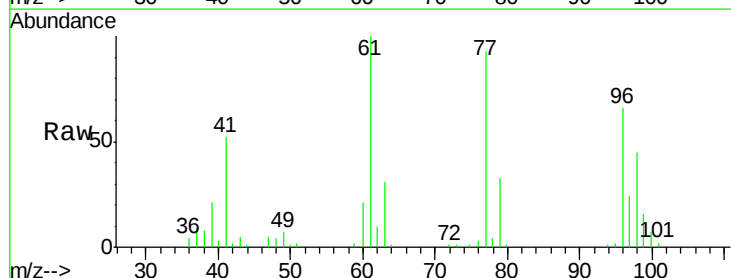
Acq: 4 Apr 2019 15:21

Tgt Ion: 77 Resp: 204643

Ion Ratio Lower Upper

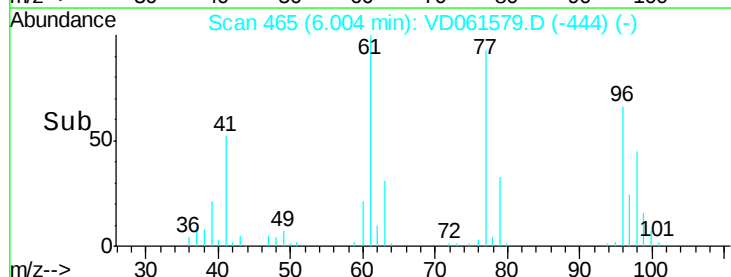
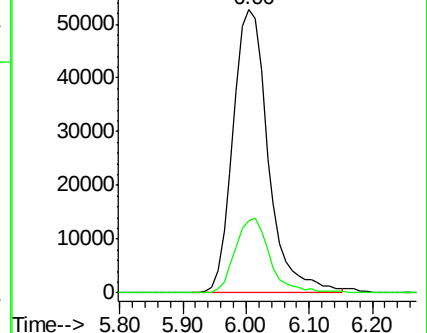
77 100

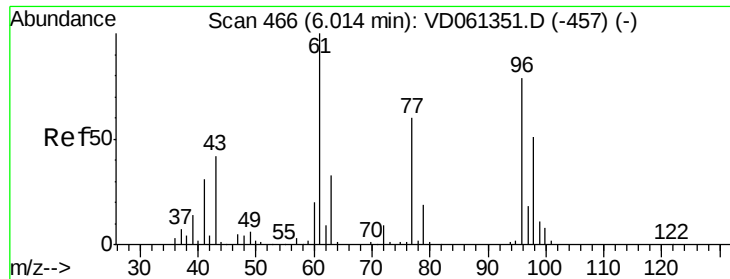
97 25.6 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

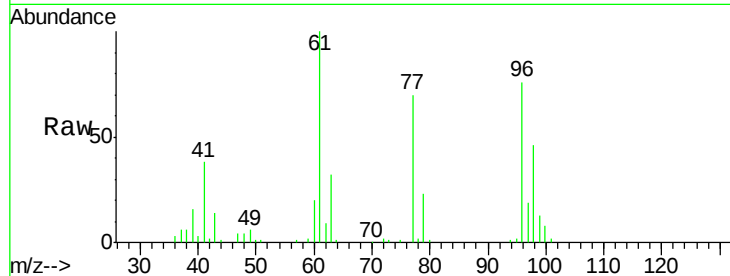




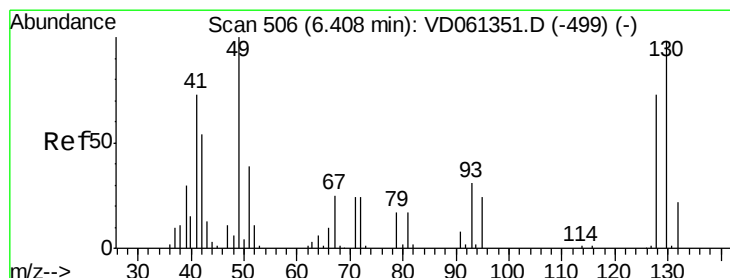
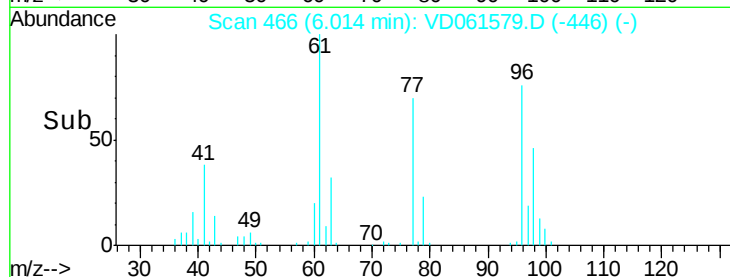
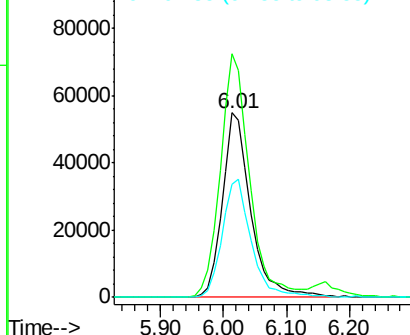
#27
 cis-1,2-Dichloroethene
 Concen: 21.305 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 171225
 Ion Ratio Lower Upper
 96 100
 61 132.1 0.0 251.6
 98 61.0 0.0 129.2

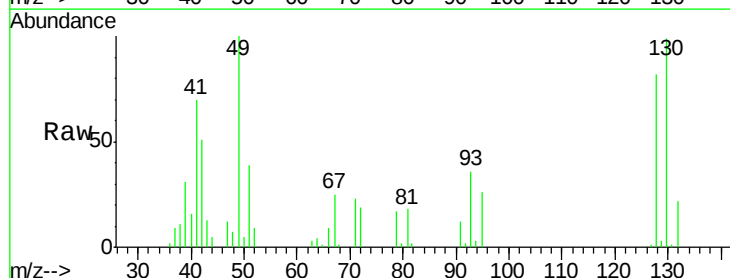


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

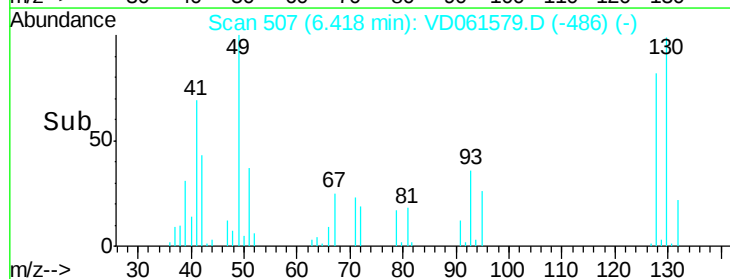
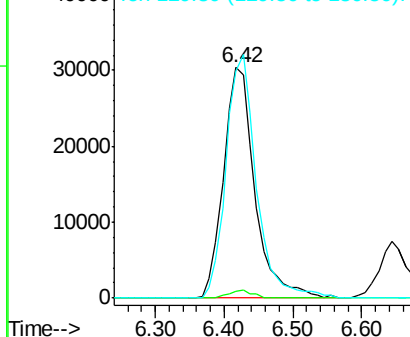


#28
 Bromochloromethane
 Concen: 20.143 ug/l
 RT: 6.42 min Scan# 507
 Delta R.T. 0.01 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

Tgt Ion: 49 Resp: 95828
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 0.0#
 130 98.6 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

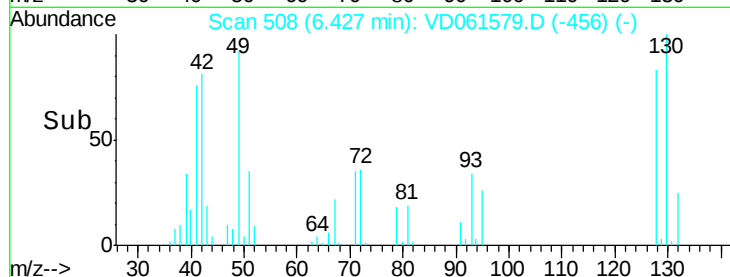
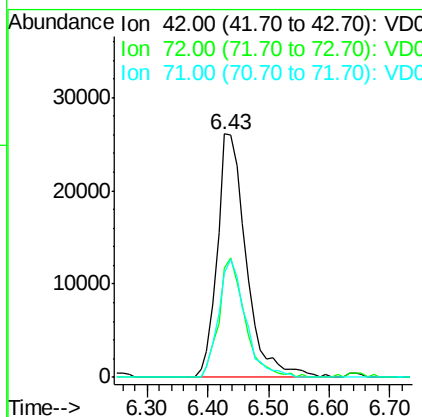
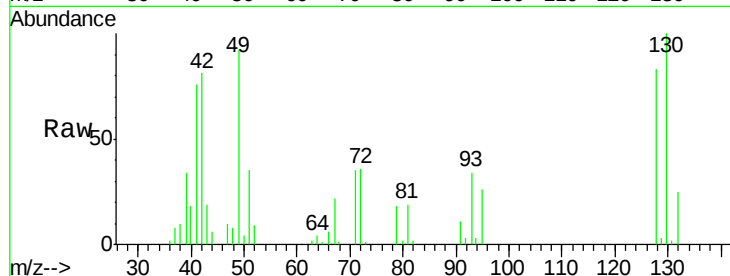




#29
Tetrahydrofuran
Concen: 102.388 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

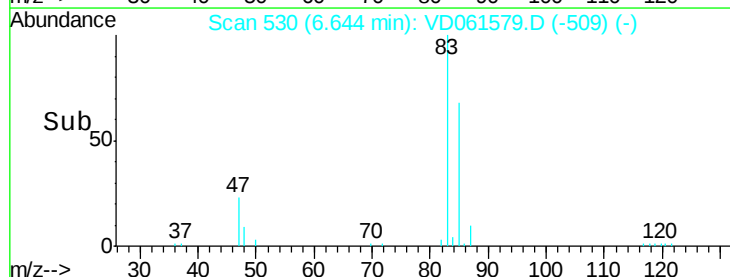
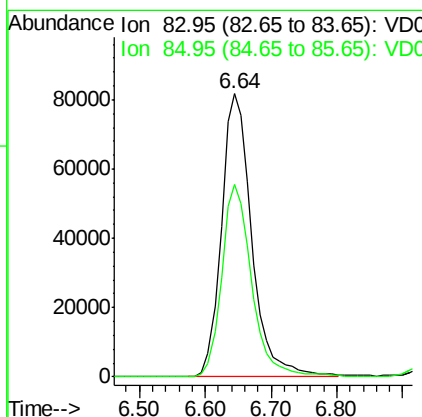
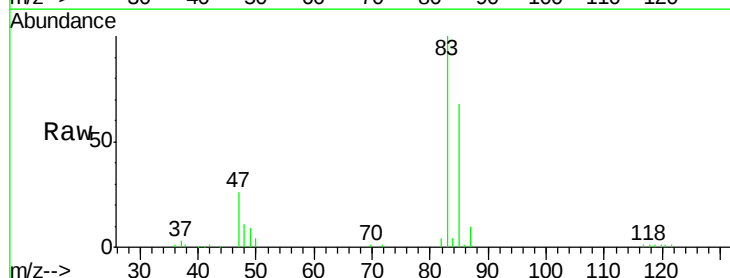
Instrument :
MSVOA_D
ClientSampleId :

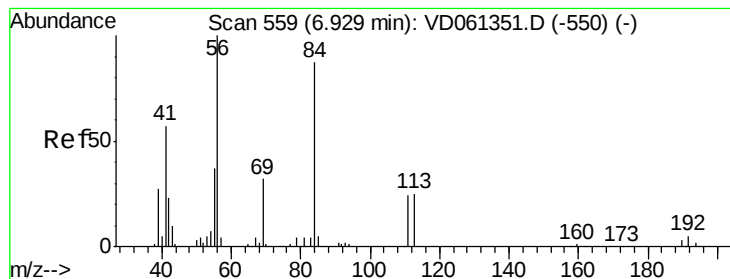
Tot Ion: 42 Resp: 86774
Ion Ratio Lower Upper
42 100
72 43.8 37.4 56.0
71 44.8 36.7 55.1



#30
Chloroform
Concen: 21.552 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Tgt Ion: 83 Resp: 262448
Ion Ratio Lower Upper
83 100
85 67.9 53.0 79.4





#31

Cyclohexane

Concen: 21.424 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

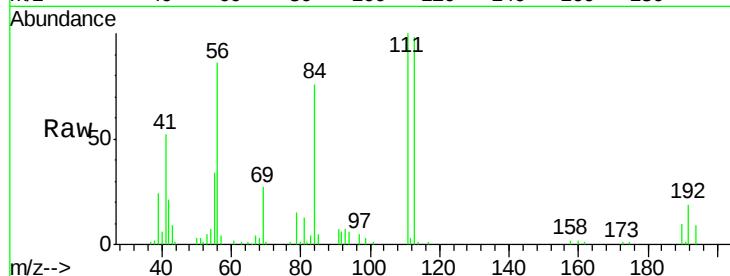
Tot Ion: 56 Resp: 199525

Ion Ratio Lower Upper

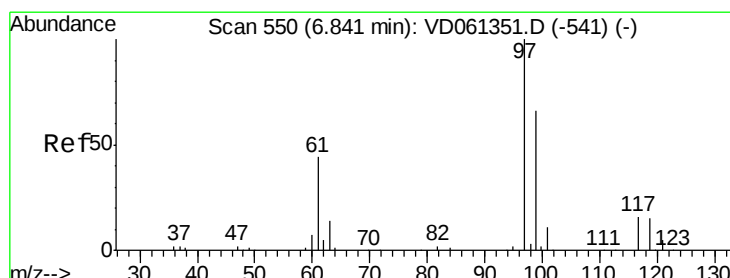
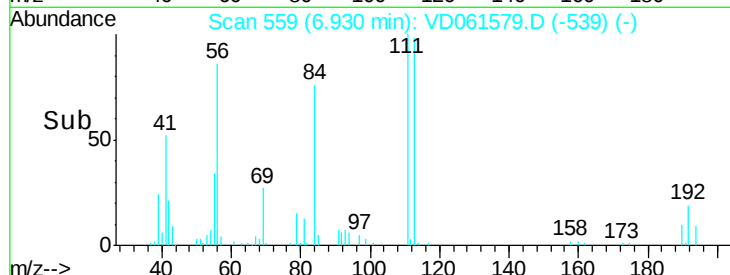
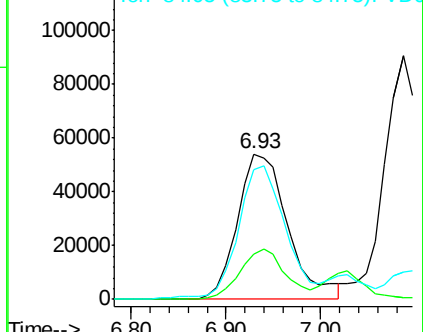
56 100

69 31.3 25.7 38.5

84 88.8 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: 22.701 ug/l

RT: 6.85 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

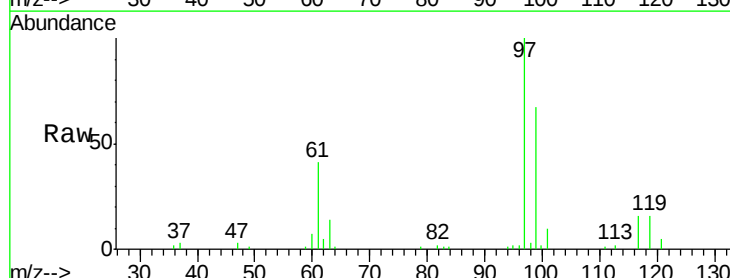
Tgt Ion: 97 Resp: 243879

Ion Ratio Lower Upper

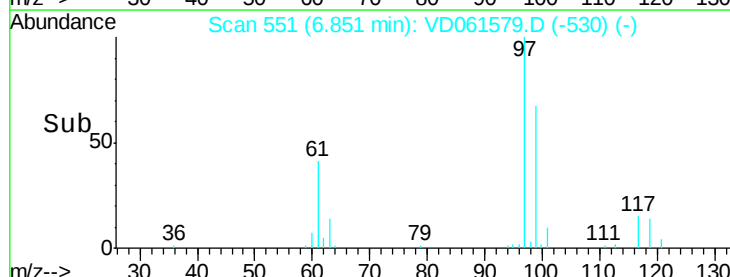
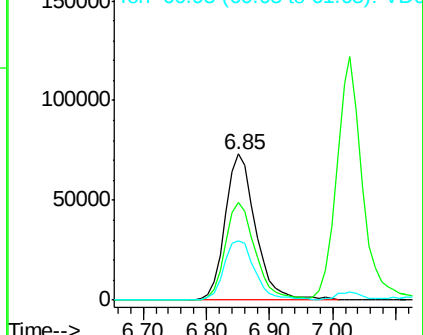
97 100

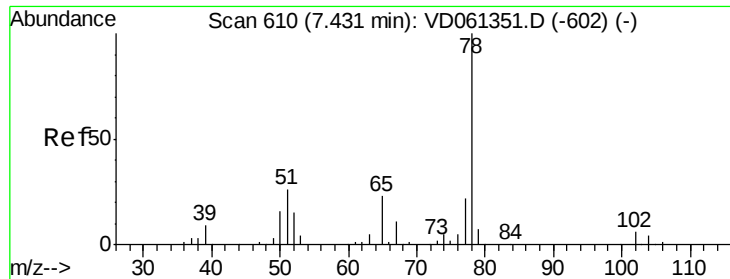
99 67.0 53.1 79.7

61 40.6 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: 22.701 ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

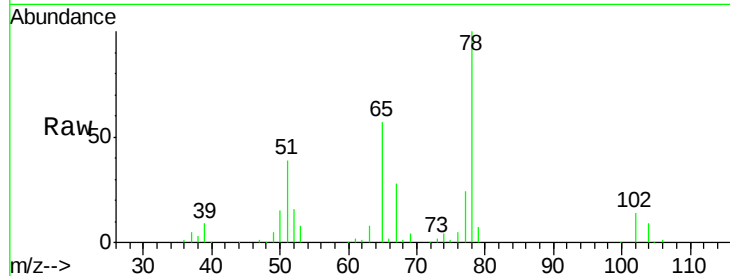
ClientSampleId :

Tot Ion: 65 Resp: 260036

Ion Ratio Lower Upper

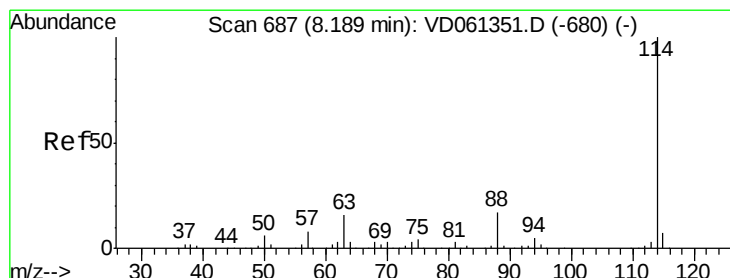
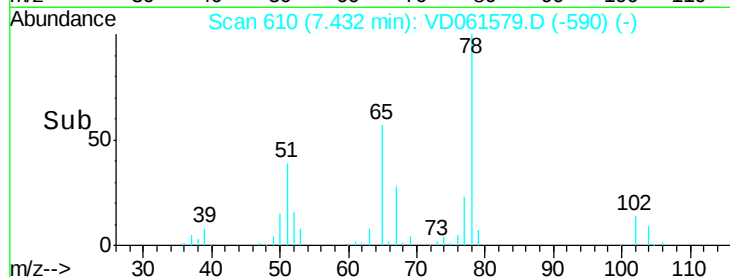
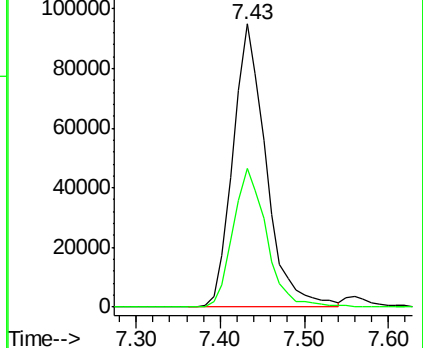
65 100

67 48.9 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. 0.01 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

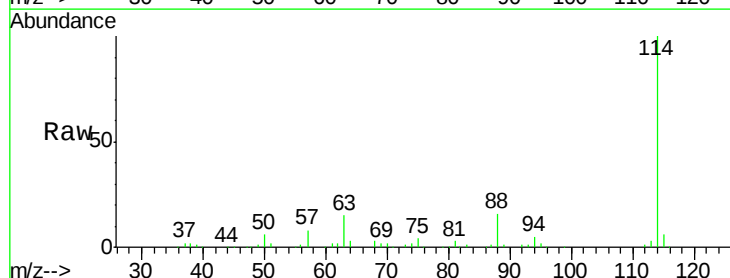
Tgt Ion: 114 Resp: 1008220

Ion Ratio Lower Upper

114 100

63 15.3 0.0 31.6

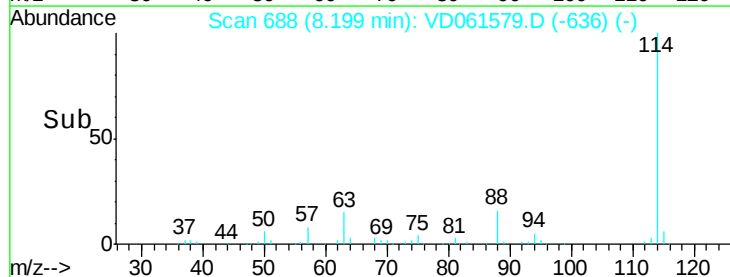
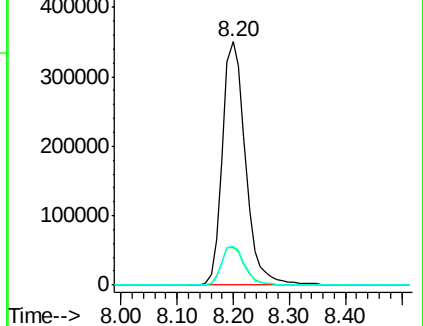
88 16.0 0.0 33.4

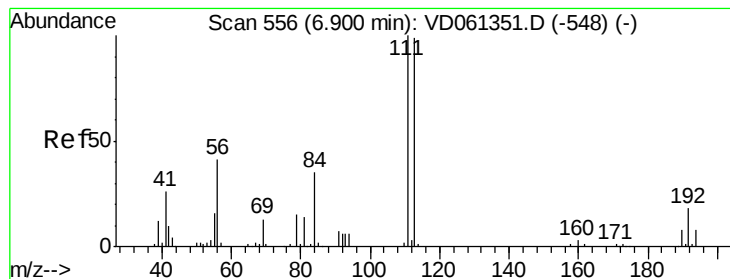


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

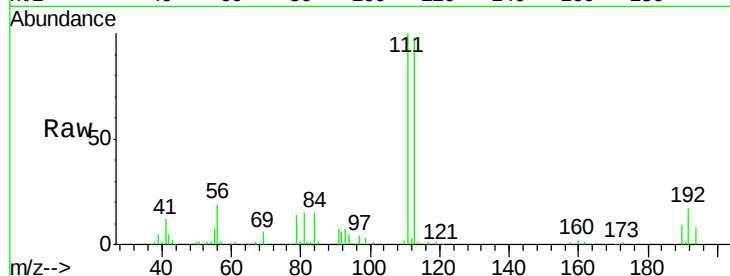
Tot Ion:113 Resp: 412502

Ion Ratio Lower Upper

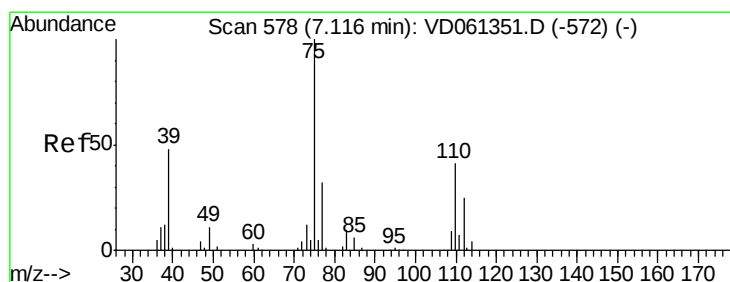
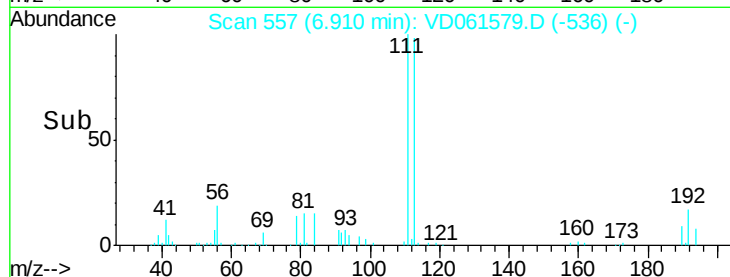
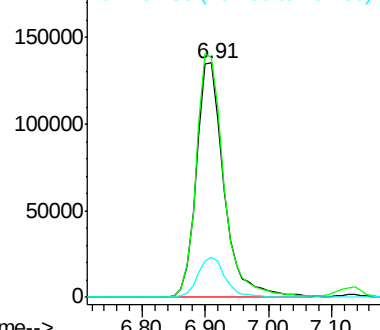
113 100

111 102.5 81.0 121.6

192 17.1 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: 23.388 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.01 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

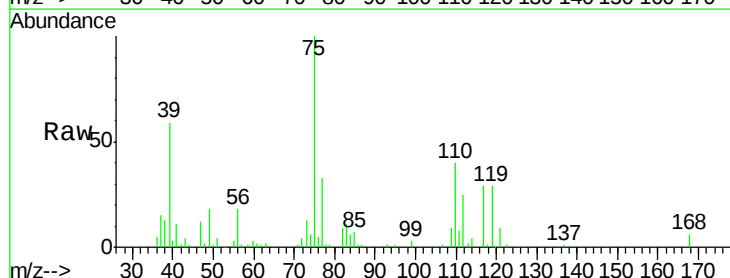
Tgt Ion: 75 Resp: 205802

Ion Ratio Lower Upper

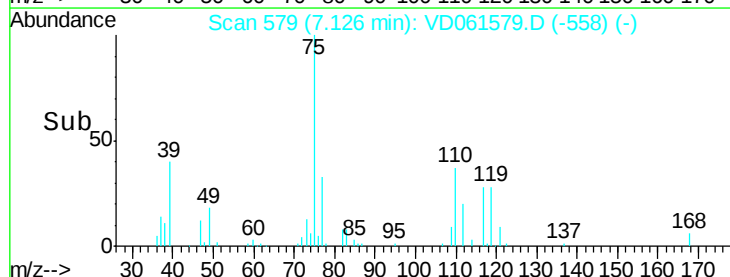
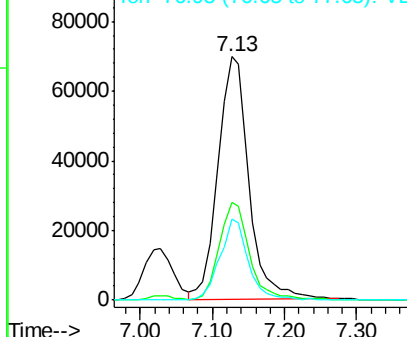
75 100

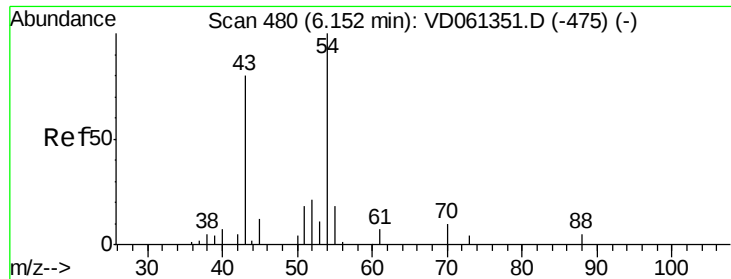
110 40.1 20.4 61.3

77 33.3 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

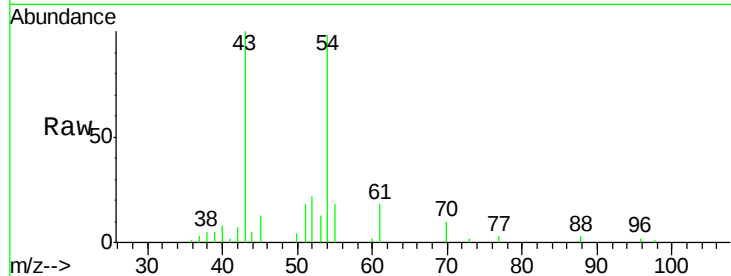




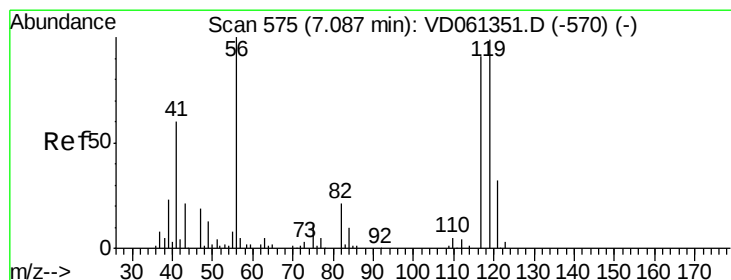
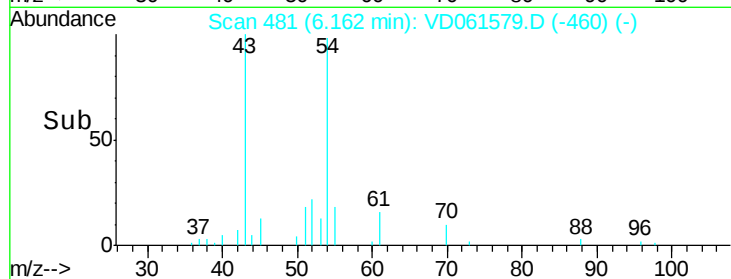
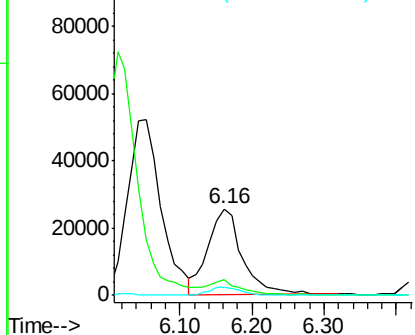
#37
Ethyl Acetate
Concen: 21.896 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.01 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 82400
Ion Ratio Lower Upper
43 100
61 18.0 13.8 20.8
70 9.7 7.8 11.8

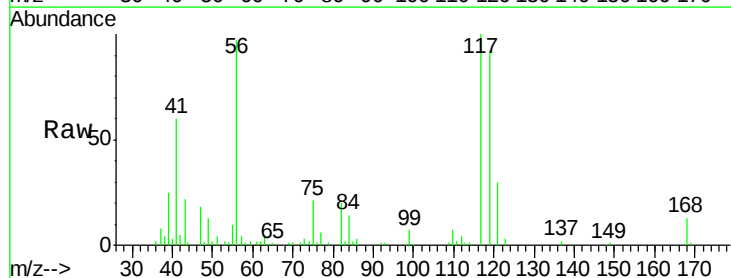


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

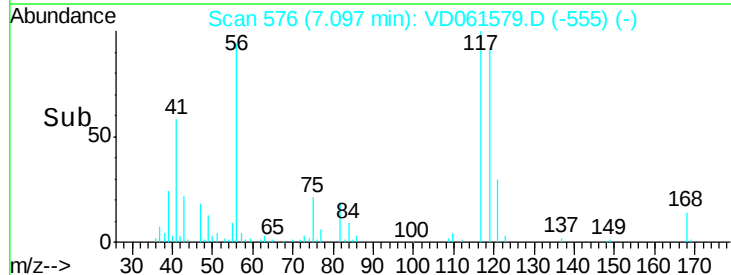
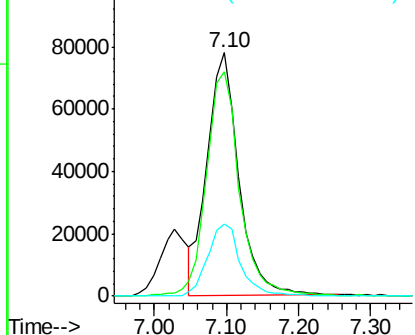


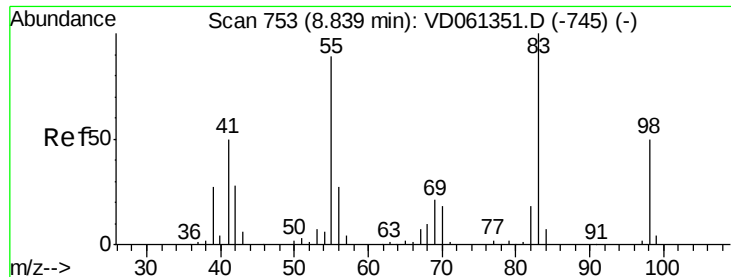
#38
Carbon Tetrachloride
Concen: 23.392 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.01 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Tgt Ion: 117 Resp: 236530
Ion Ratio Lower Upper
117 100
119 92.2 80.1 120.1
121 29.8 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

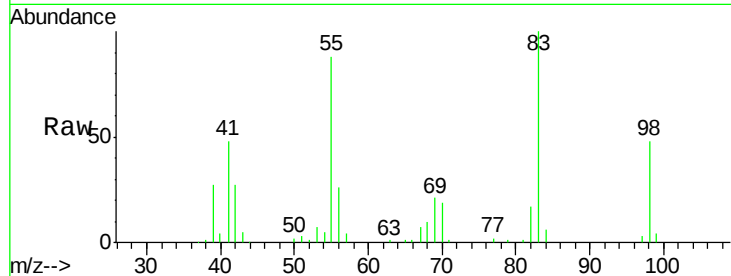




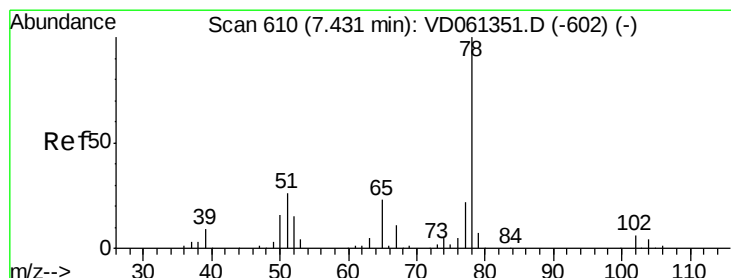
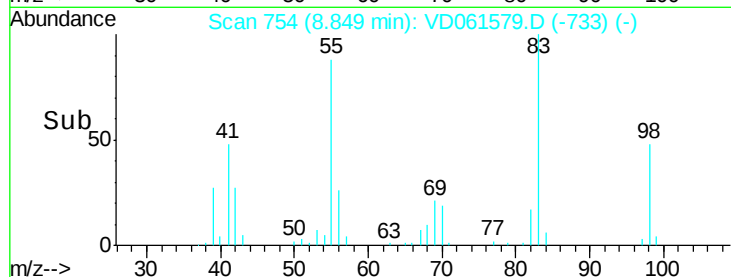
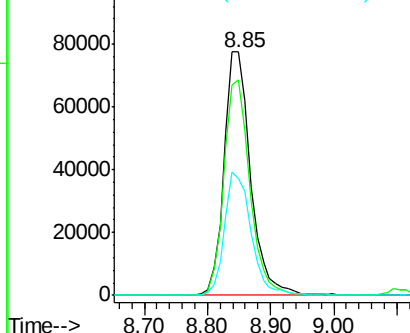
#39
Methvlcvclohexane
Concen: 24.729 ug/l
RT: 8.85 min Scan# 754
Delta R.T. 0.01 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 226630
Ion Ratio Lower Upper
83 100
55 88.5 71.5 107.3
98 48.0 40.3 60.5

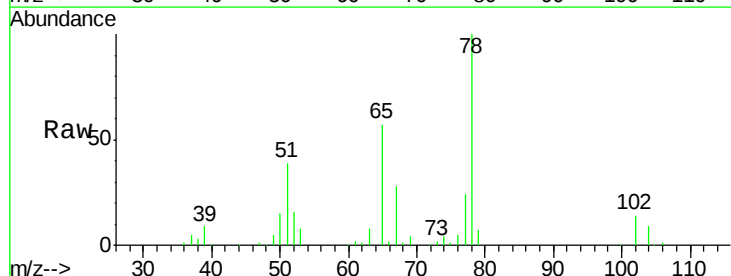


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

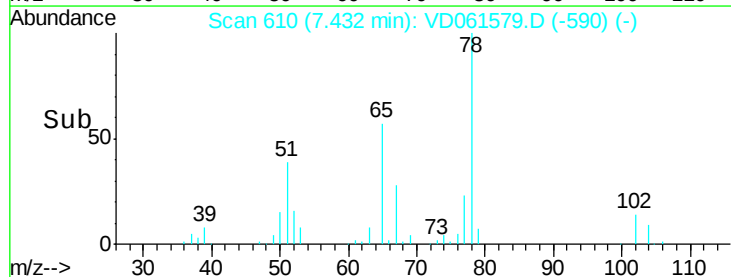
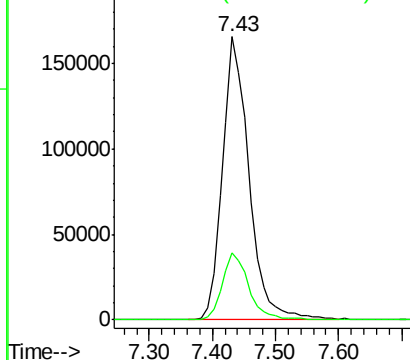


#40
Benzene
Concen: 21.887 ug/l
RT: 7.43 min Scan# 610
Delta R.T. 0.00 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Tgt Ion: 78 Resp: 483357
Ion Ratio Lower Upper
78 100
77 23.6 17.8 26.6



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

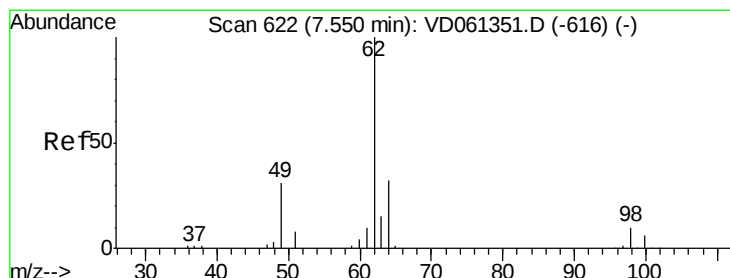
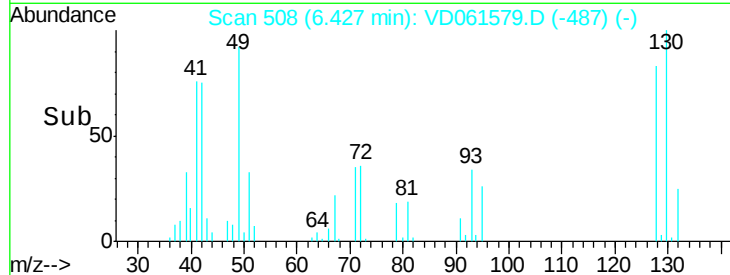
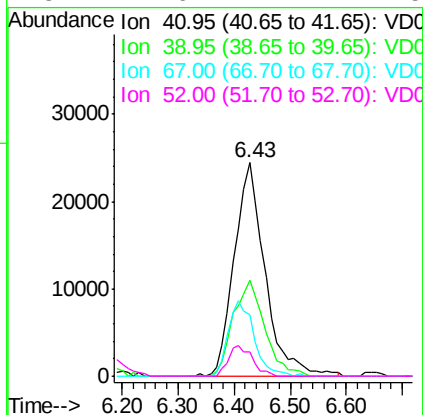
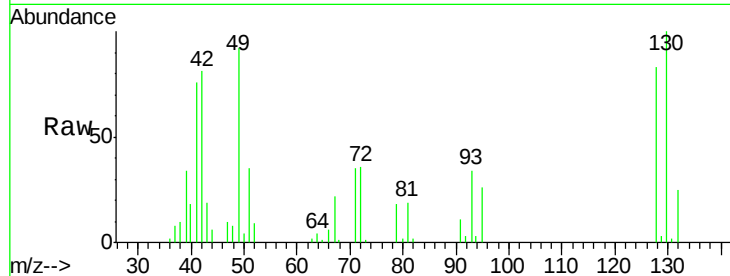




#41
Methacrylonitrile
Concen: 21.193 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

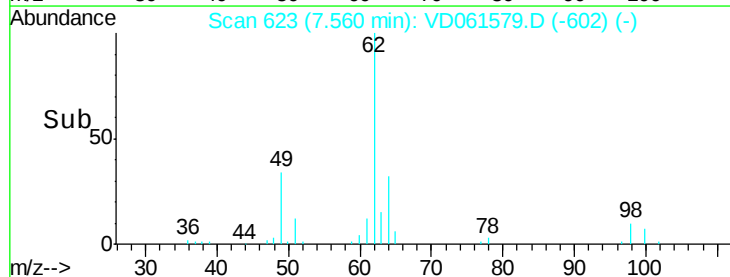
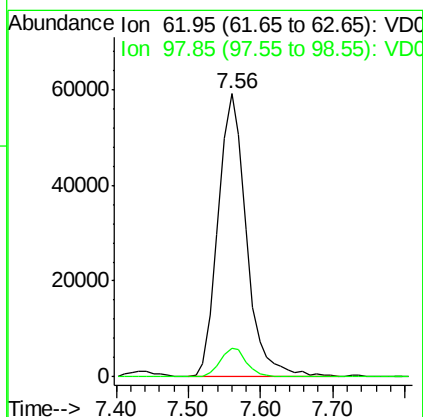
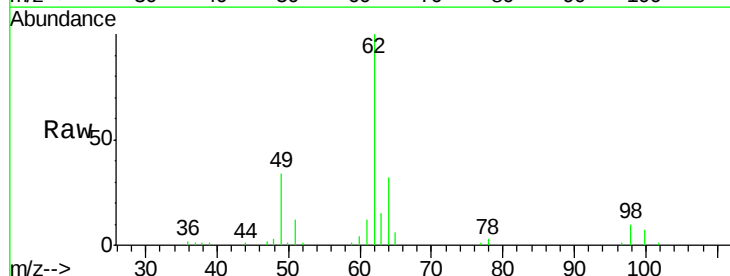
Instrument :
MSVOA_D
ClientSampleId :

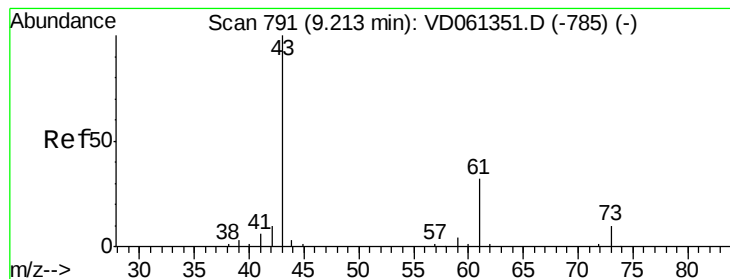
Tot Ion: 41 Resp: 93254
Ion Ratio Lower Upper
41 100
39 44.8 35.0 52.6
67 29.0 21.0 31.6
52 11.6 7.7 11.5#



#42
1,2-Dichloroethane
Concen: 24.383 ug/l
RT: 7.56 min Scan# 623
Delta R.T. 0.01 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Tgt Ion: 62 Resp: 161076
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.8



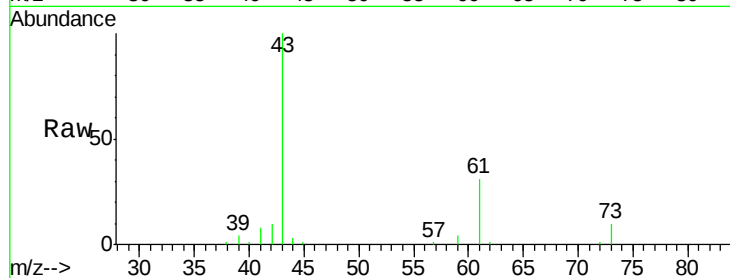


#43

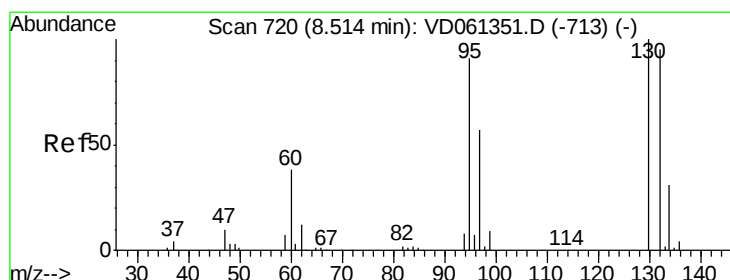
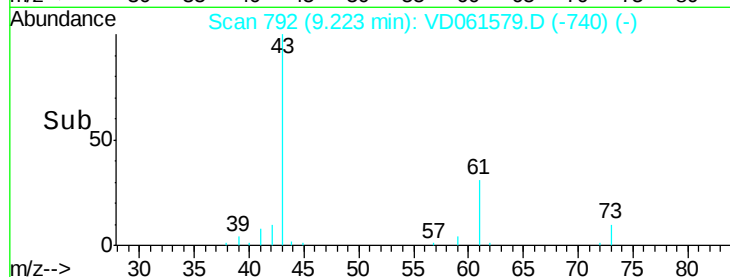
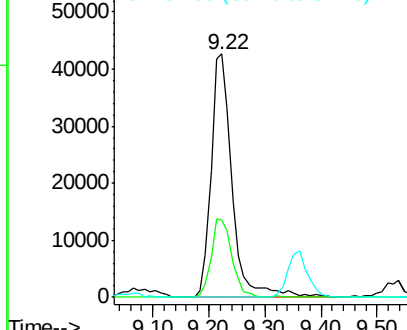
Isopropyl Acetate
 Concen: 20.576 ug/l
 RT: 9.22 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 43 Resp: 112668
 Ion Ratio Lower Upper
 43 100
 61 31.5 25.8 38.6
 87 0.0 0.0 0.0



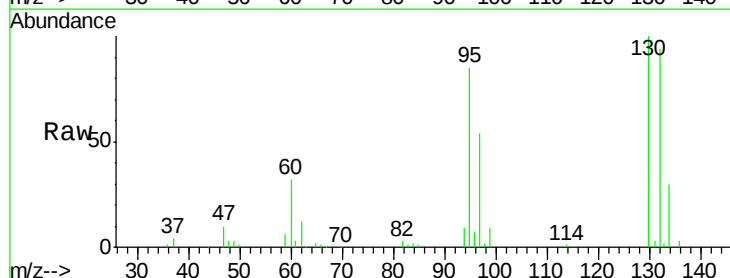
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



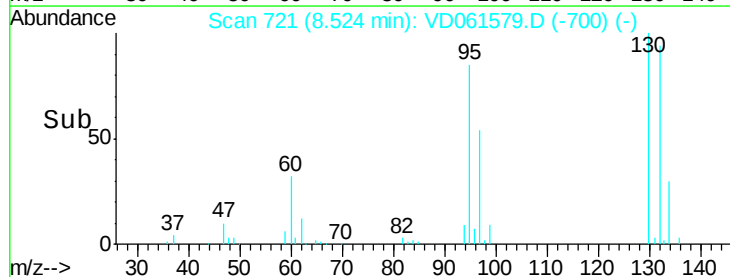
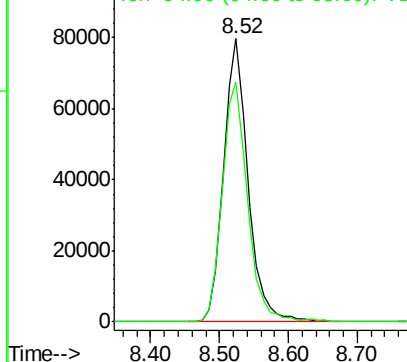
#44

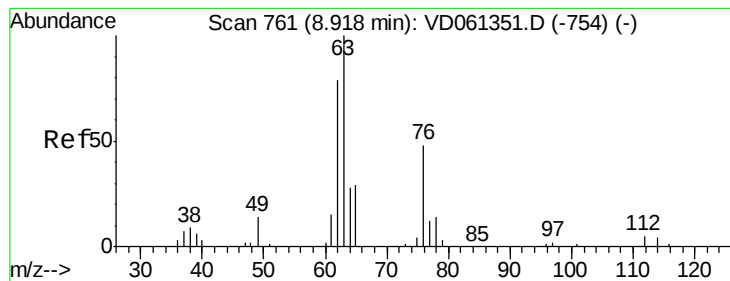
Trichloroethene
 Concen: 23.823 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. 0.01 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

Tgt Ion:130 Resp: 195790
 Ion Ratio Lower Upper
 130 100
 95 84.9 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: 23.227 ug/l

RT: 8.92 min Scan# 761

Delta R.T. 0.00 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

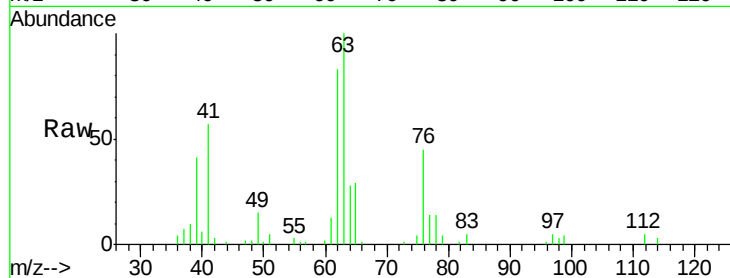
ClientSampled :

Tot Ion: 63 Resp: 130069

Ion Ratio Lower Upper

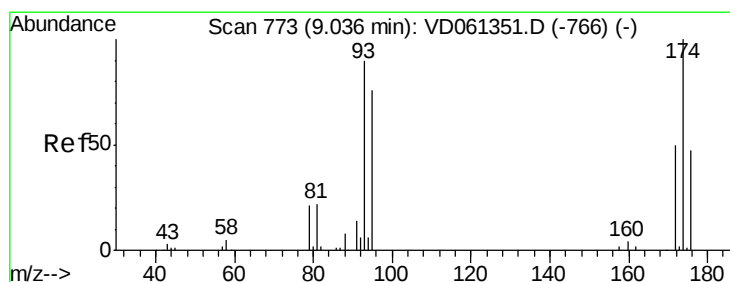
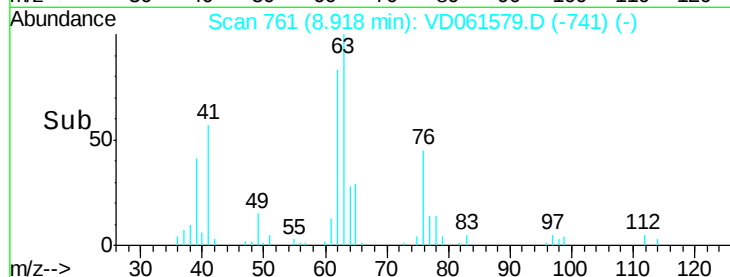
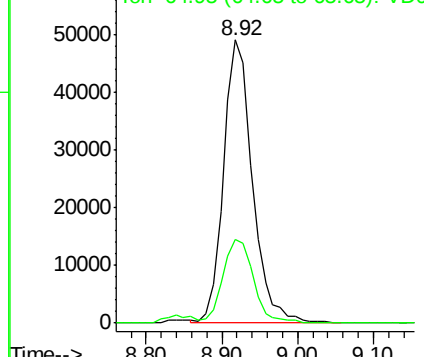
63 100

65 29.5 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: 23.270 ug/l

RT: 9.05 min Scan# 774

Delta R.T. 0.01 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

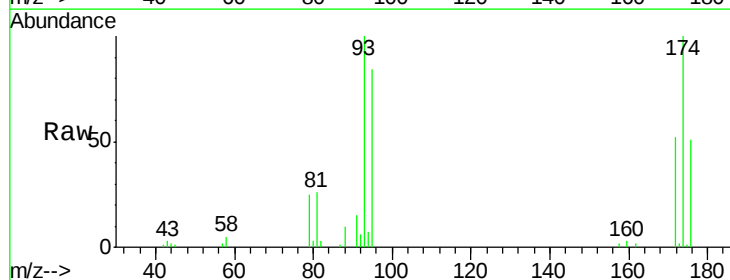
Tgt Ion: 93 Resp: 87710

Ion Ratio Lower Upper

93 100

95 84.6 67.4 101.0

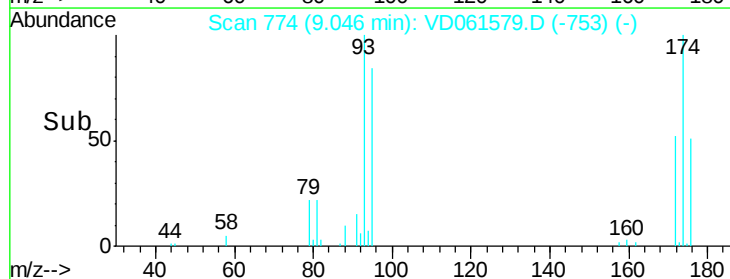
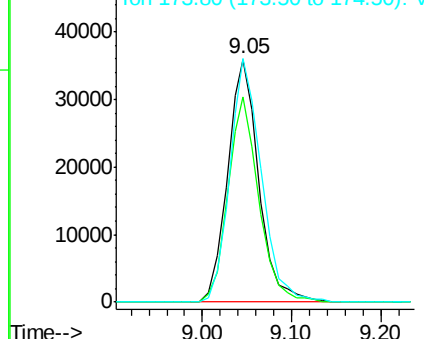
174 100.3 88.9 133.3

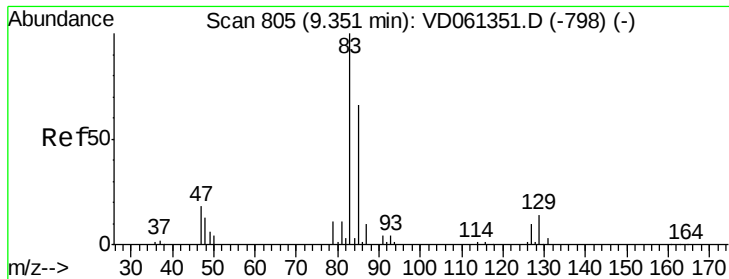


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 23.337 ug/l

RT: 9.36 min Scan# 806

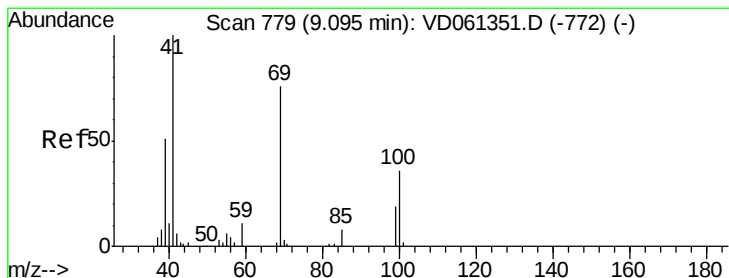
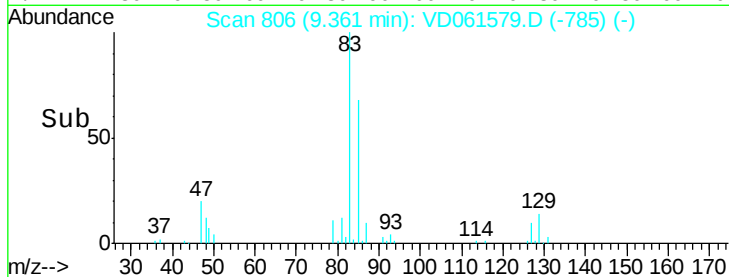
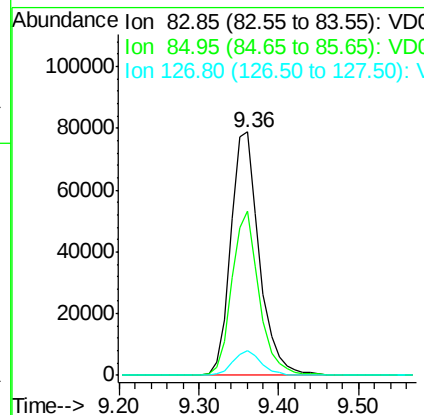
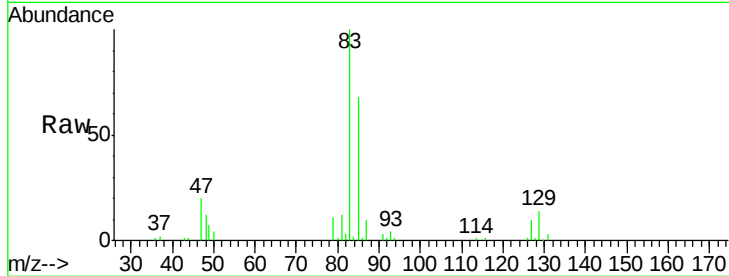
Delta R.T. 0.01 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 197427
Ion Ratio Lower Upper
83 100
85 67.7 53.0 79.4
127 9.9 8.4 12.6



#48

Methyl methacrylate

Concen: 22.321 ug/l

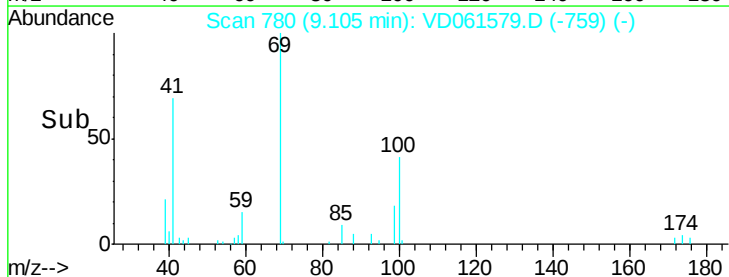
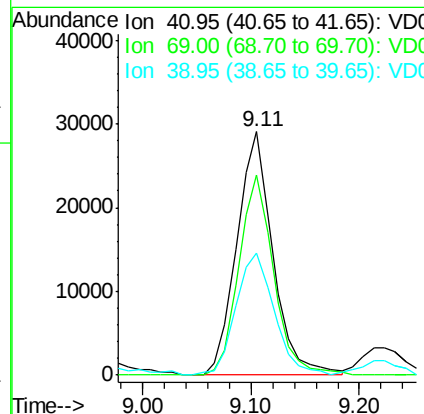
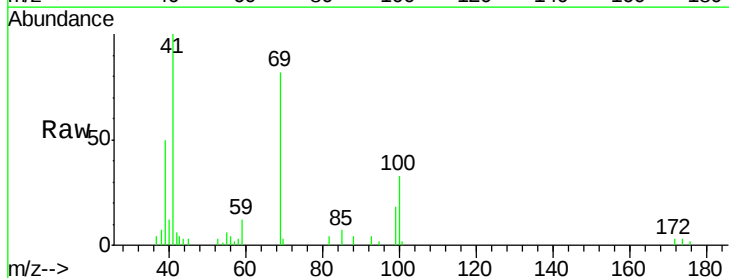
RT: 9.11 min Scan# 780

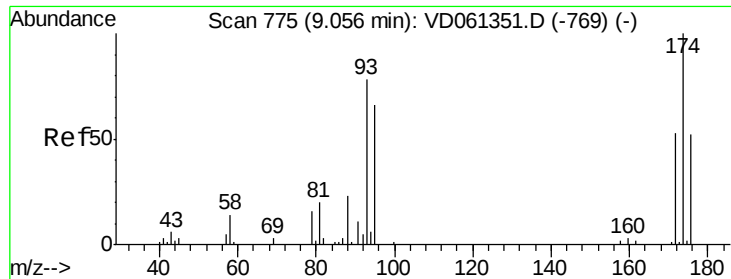
Delta R.T. 0.01 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Tgt Ion: 41 Resp: 67451
Ion Ratio Lower Upper
41 100
69 82.1 60.2 90.4
39 50.2 41.4 62.2

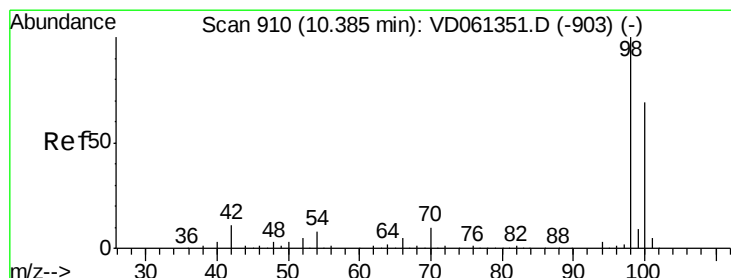
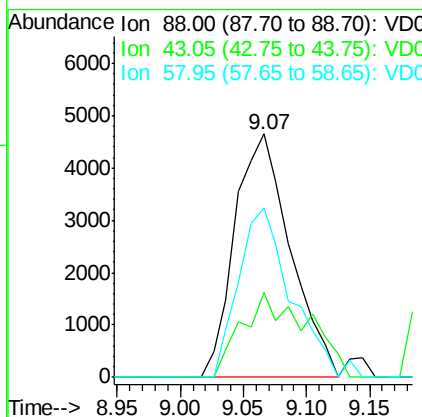
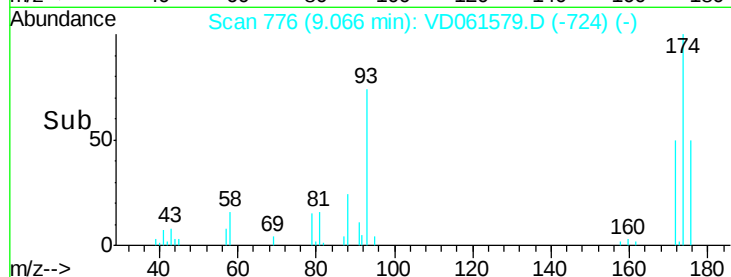
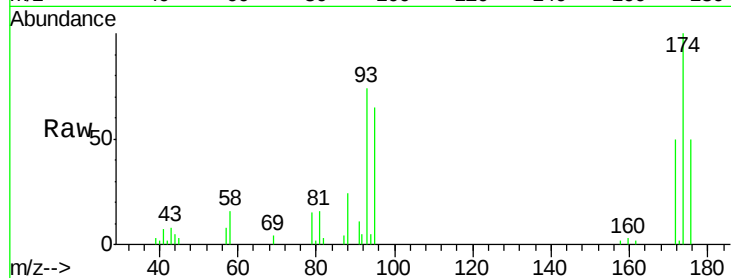




#49
1,4-Dioxane
Concen: 426.596 ug/l
RT: 9.07 min Scan# 776
Delta R.T. 0.01 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

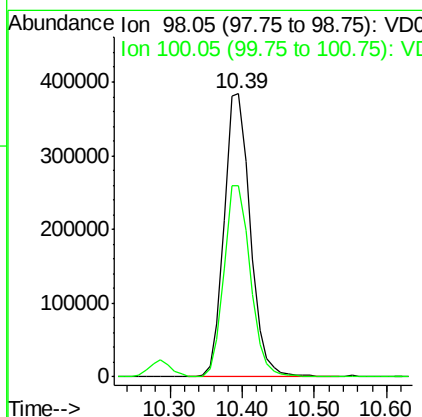
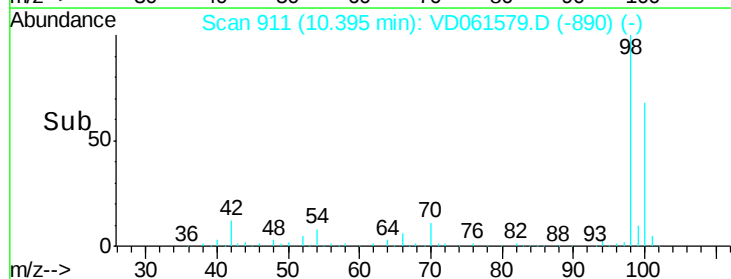
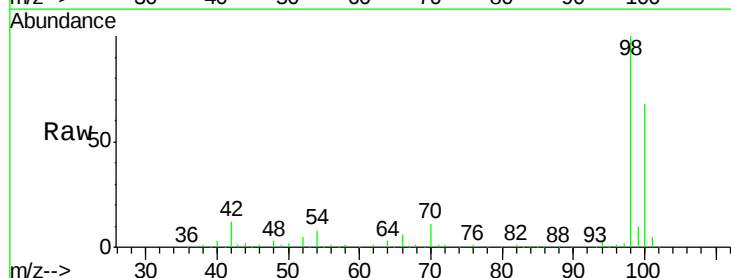
Instrument :
MSVOA_D
ClientSampleId :

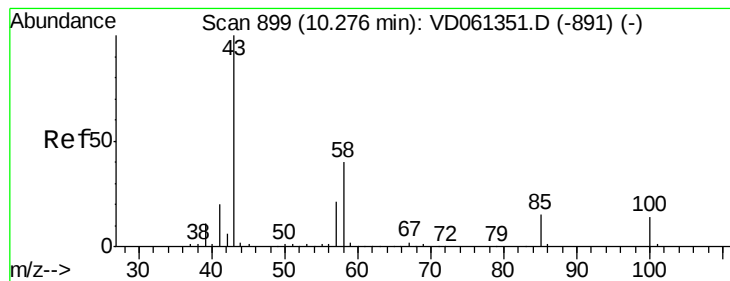
Tot Ion: 88 Resp: 14219
Ion Ratio Lower Upper
88 100
43 35.0 23.3 34.9#
58 69.7 50.8 76.2



#50
Toluene-d8
Concen: 426.596 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Tgt Ion: 98 Resp: 968560
Ion Ratio Lower Upper
98 100
100 67.5 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 114.686 ug/l

RT: 10.28 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

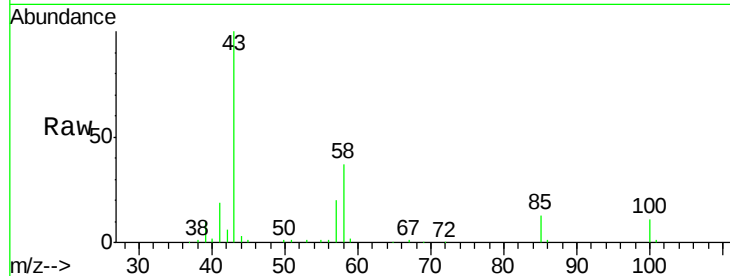
ClientSampleId :

Tot Ion: 43 Resp: 382053

Ion Ratio Lower Upper

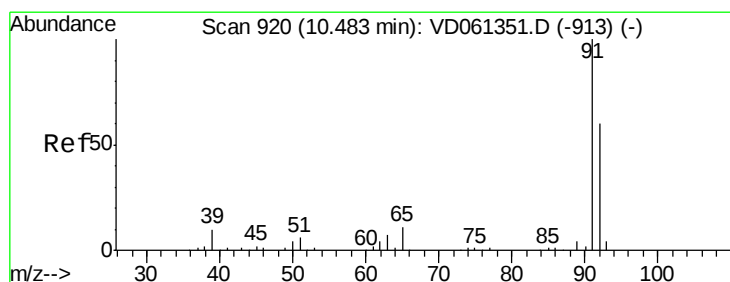
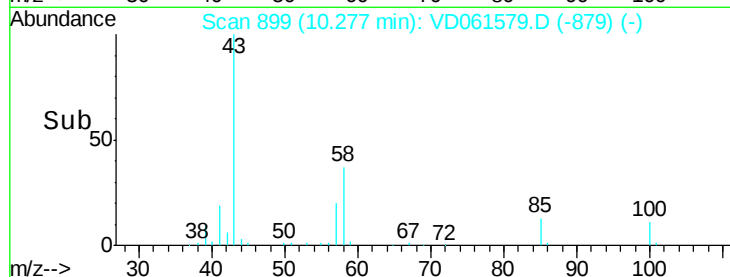
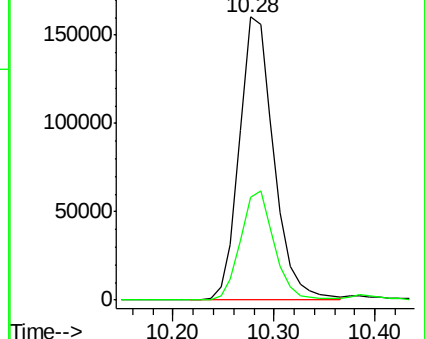
43 100

58 36.5 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.451 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD061579.D

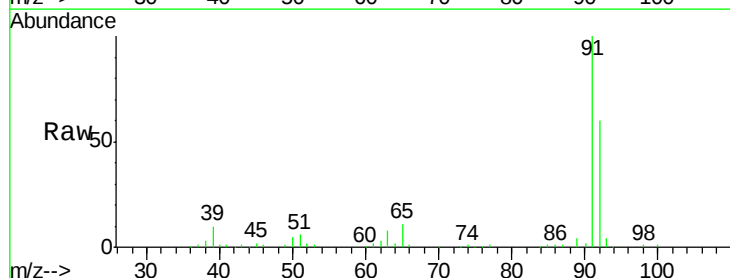
Acq: 4 Apr 2019 15:21

Tgt Ion: 92 Resp: 302489

Ion Ratio Lower Upper

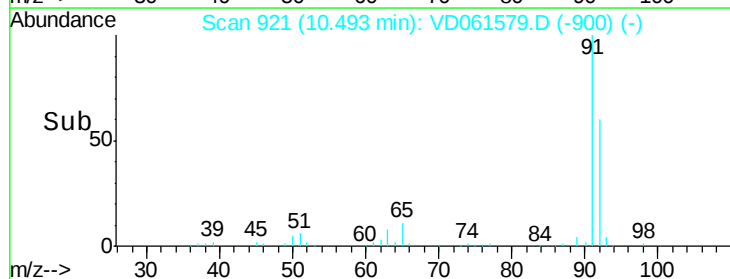
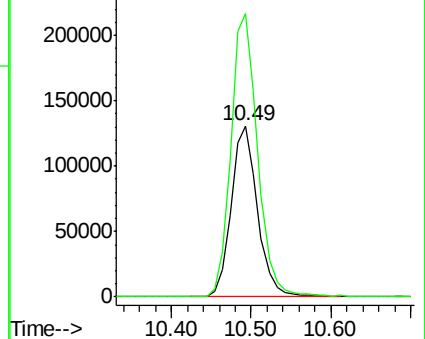
92 100

91 165.6 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

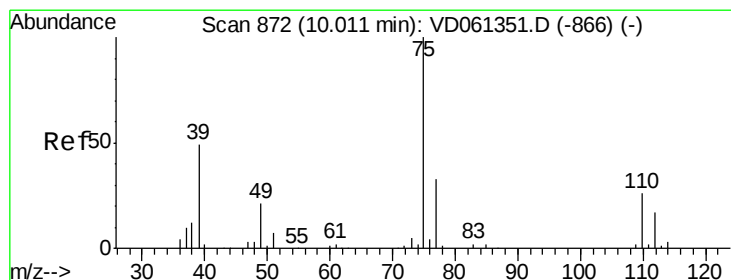
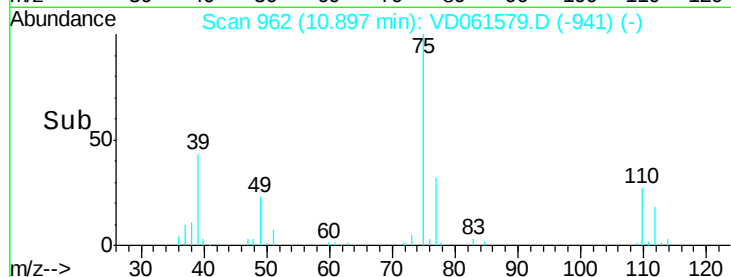
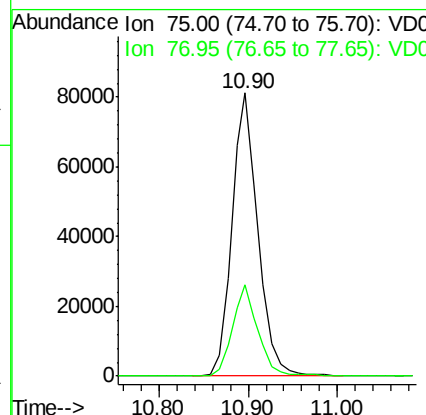
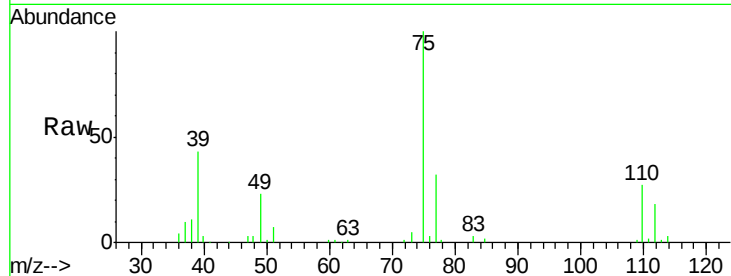




#53
t-1,3-Dichloropropene
Concen: 21.545 ug/l
RT: 10.90 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

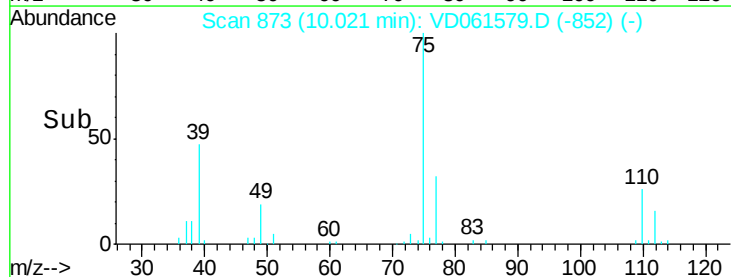
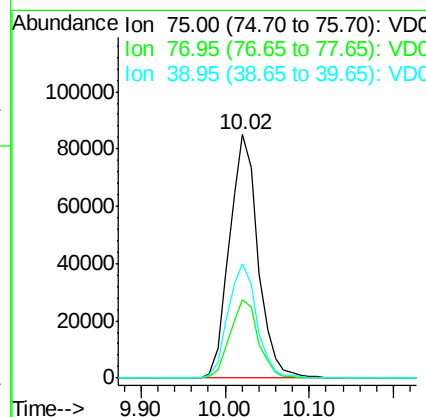
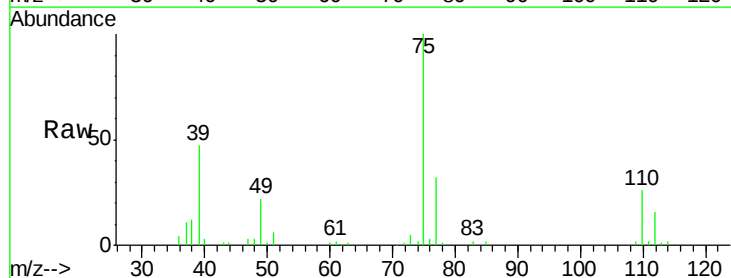
Instrument :
MSVOA_D
ClientSampleId :

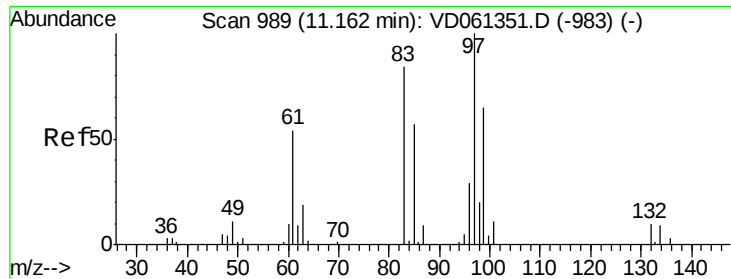
Tot Ion: 75 Resp: 165594
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 21.358 ug/l
RT: 10.02 min Scan# 873
Delta R.T. 0.01 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Tgt Ion: 75 Resp: 199892
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.4
39 47.2 39.4 59.0

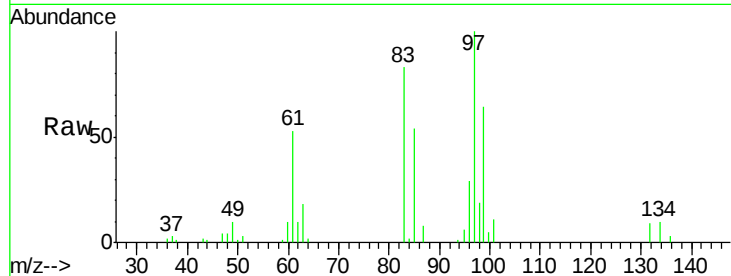




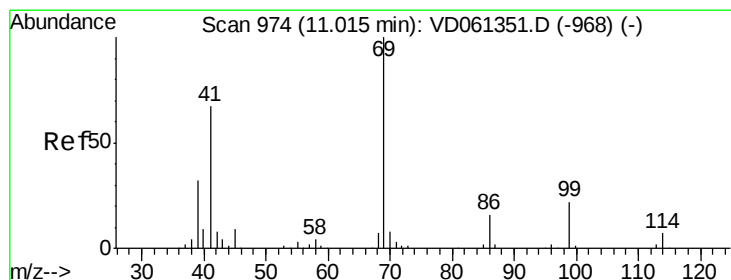
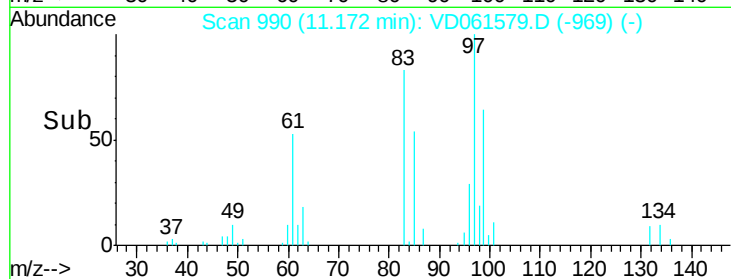
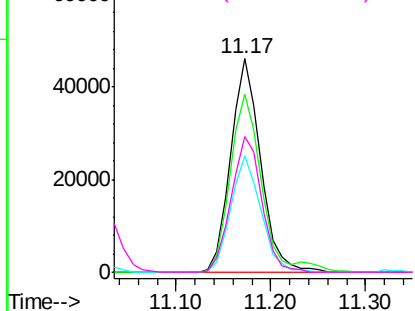
#55
 1,1,2-Trichloroethane
 Concen: 21.408 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. 0.01 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 100871
 Ion Ratio Lower Upper
 97 100
 83 83.1 67.0 100.6
 85 54.5 45.4 68.2
 99 63.5 51.9 77.9

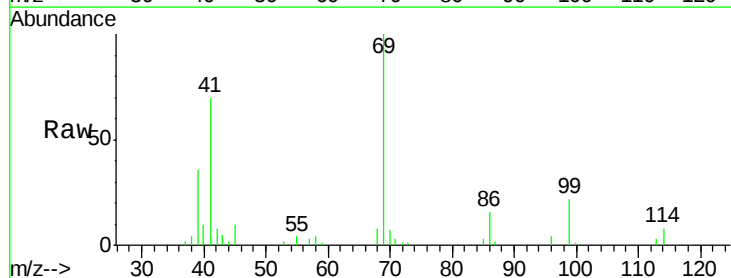


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

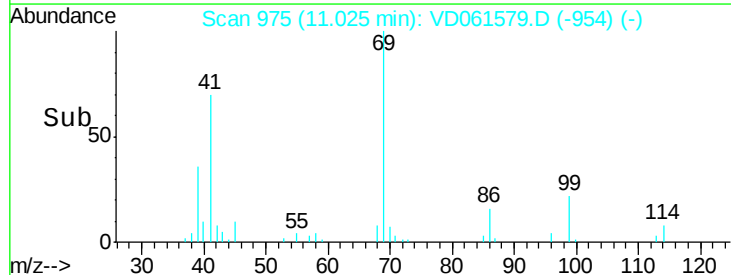
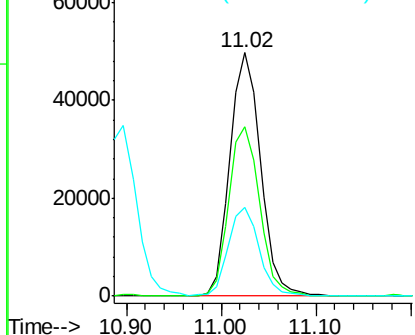


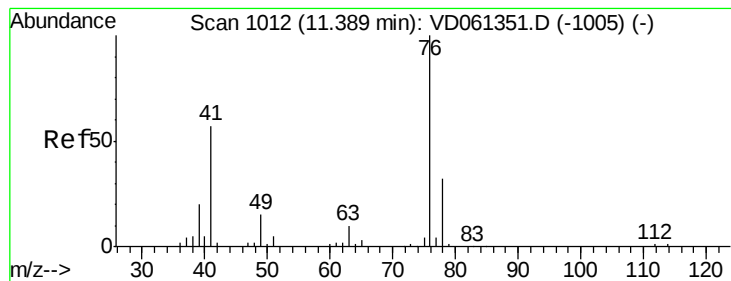
#56
 Ethyl methacrylate
 Concen: 22.083 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

Tgt Ion: 69 Resp: 111779
 Ion Ratio Lower Upper
 69 100
 41 69.8 53.8 80.6
 39 36.5 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: 23.189 ug/l

RT: 11.39 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

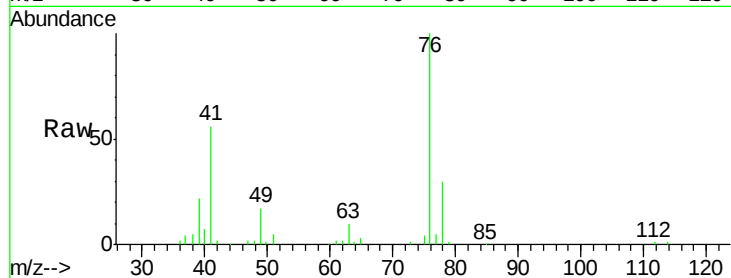
ClientSampleId :

Tot Ion: 76 Resp: 160593

Ion Ratio Lower Upper

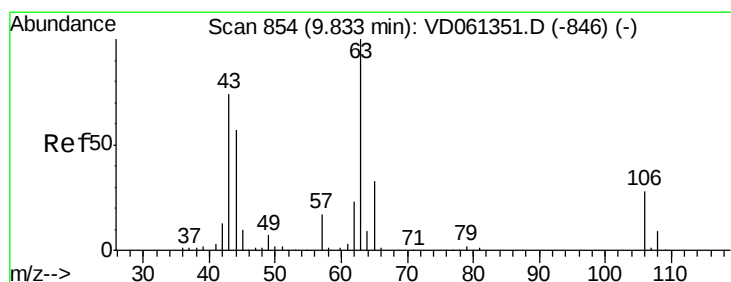
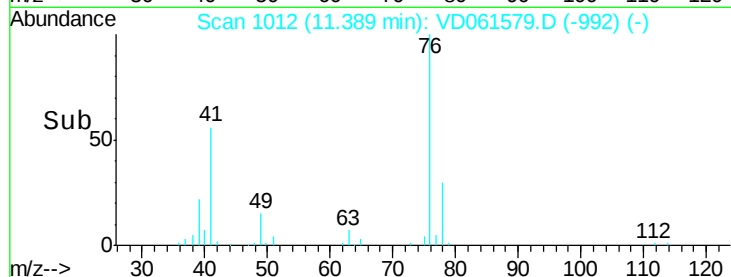
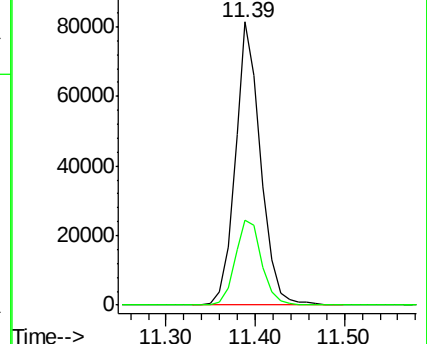
76 100

78 30.2 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 114.643 ug/l

RT: 9.83 min Scan# 854

Delta R.T. 0.00 min

Lab File: VD061579.D

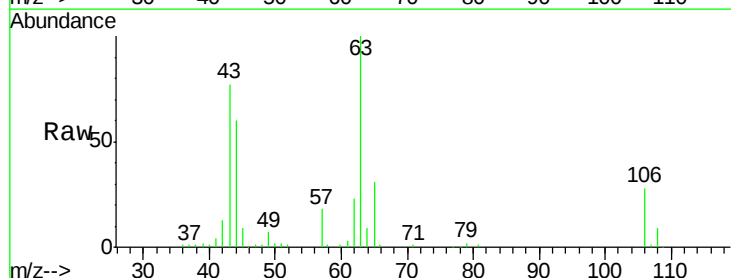
Acq: 4 Apr 2019 15:21

Tgt Ion: 63 Resp: 282601

Ion Ratio Lower Upper

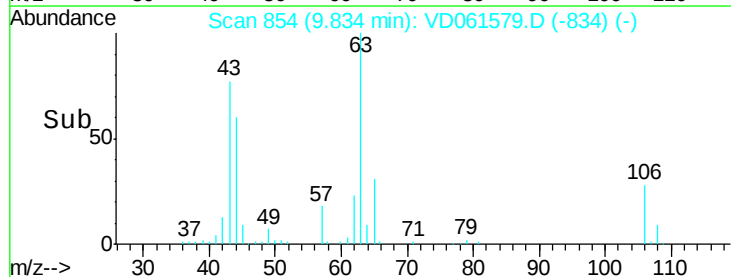
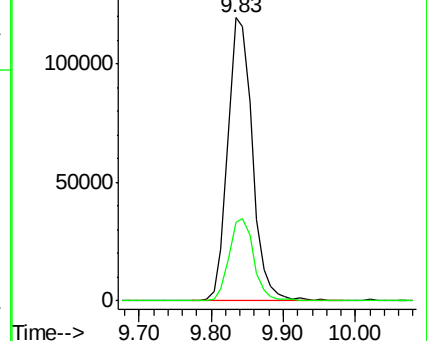
63 100

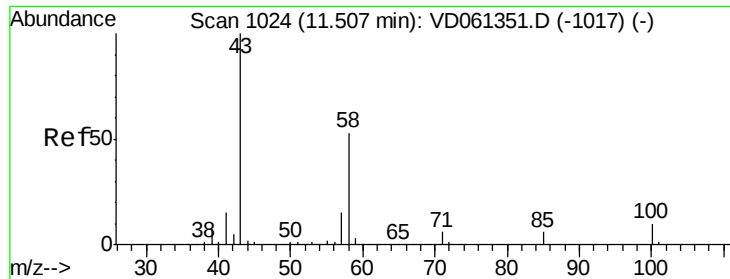
106 27.8 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

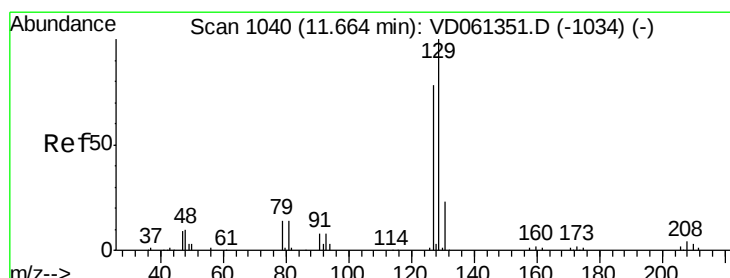
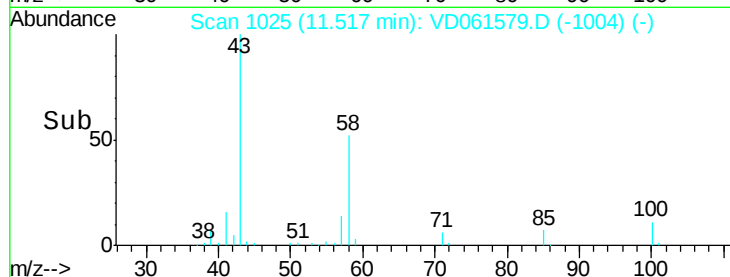
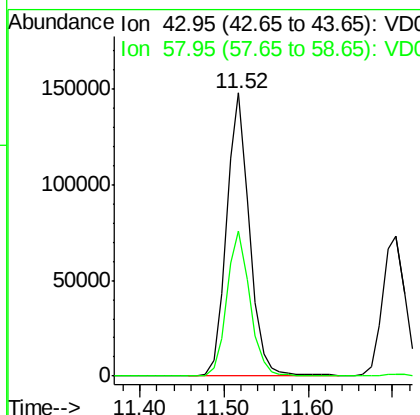
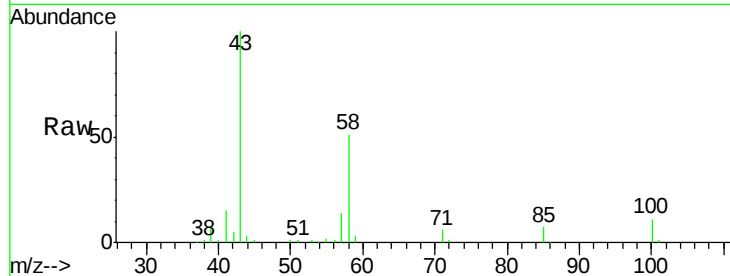




#59
2-Hexanone
Concen: 114.945 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

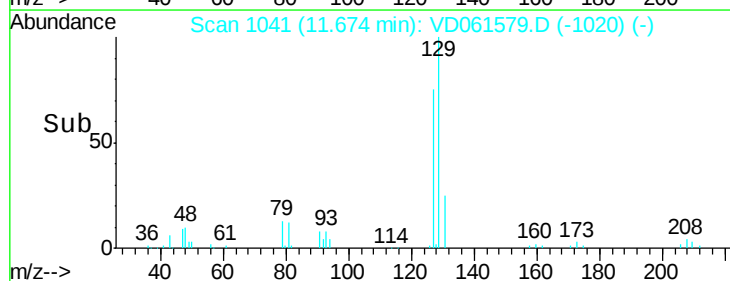
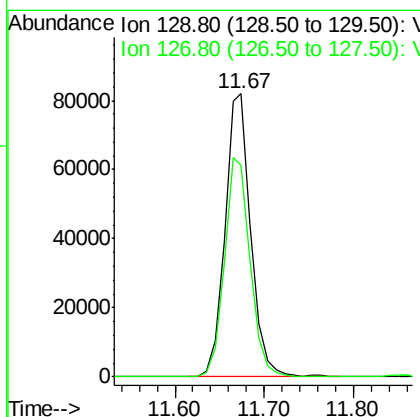
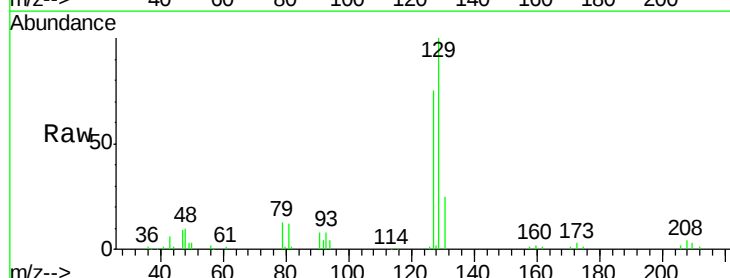
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 277434
Ion Ratio Lower Upper
43 100
58 51.3 26.3 78.9



#60
Dibromochloromethane
Concen: 22.910 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Tgt Ion:129 Resp: 166413
Ion Ratio Lower Upper
129 100
127 74.7 39.0 116.9

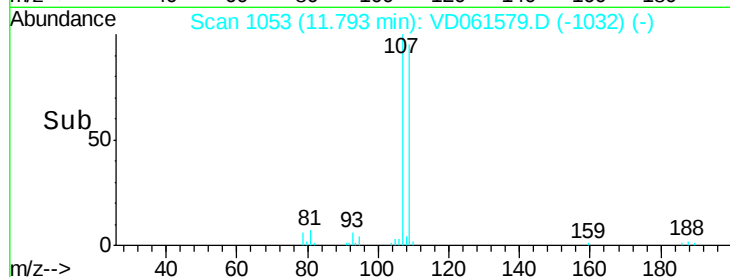
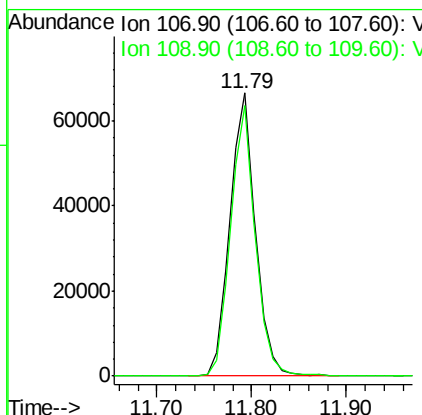
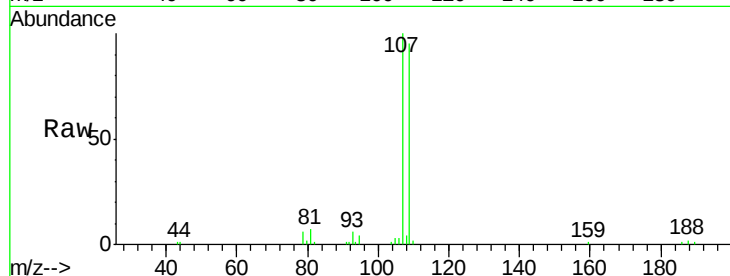




#61
 1,2-Dibromoethane
 Concen: 22.761 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

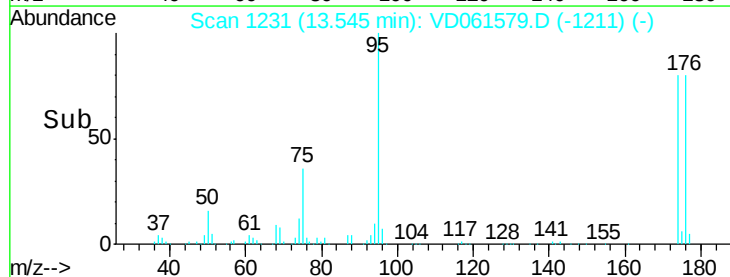
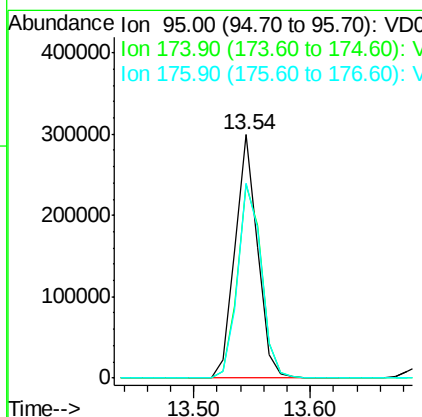
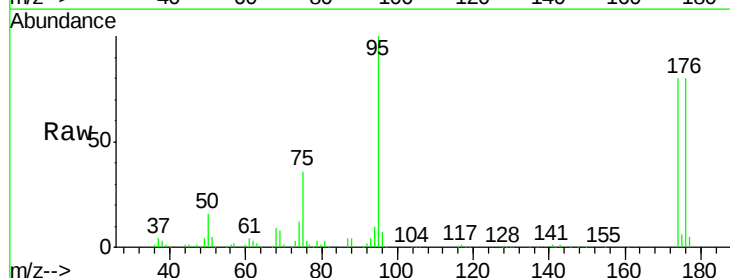
Instrument :
 MSVOA_D
 ClientSampleId :

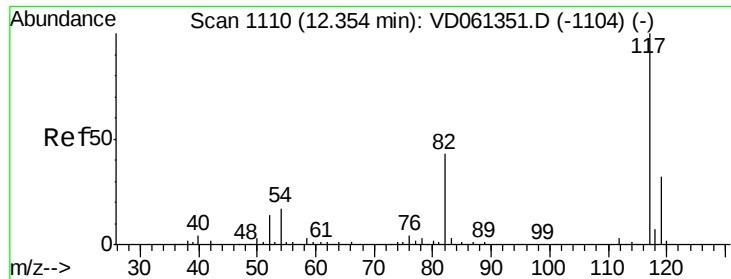
Tot Ion: 107 Resp: 124186
 Ion Ratio Lower Upper
 107 100
 109 95.4 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 22.761 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

Tgt Ion: 95 Resp: 400284
 Ion Ratio Lower Upper
 95 100
 174 79.5 0.0 178.0
 176 79.9 0.0 175.0

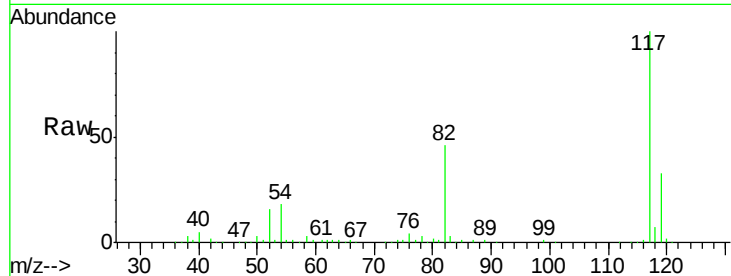




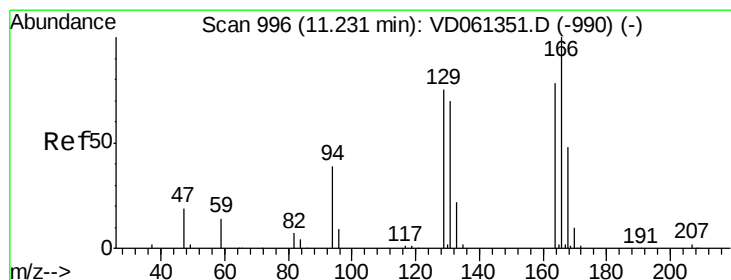
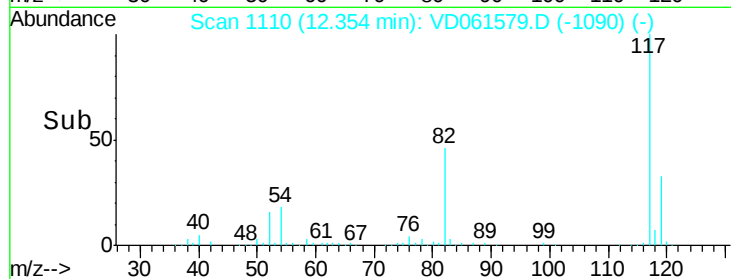
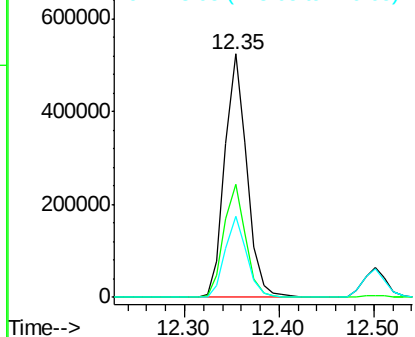
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 845262
Ion Ratio Lower Upper
117 100
82 46.4 34.4 51.6
119 33.2 25.8 38.6

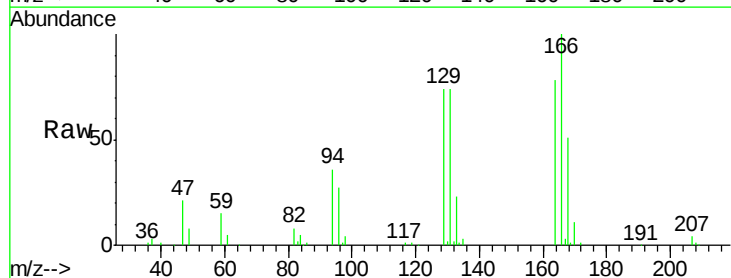


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

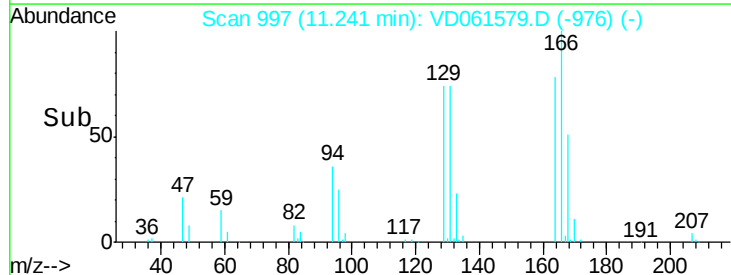
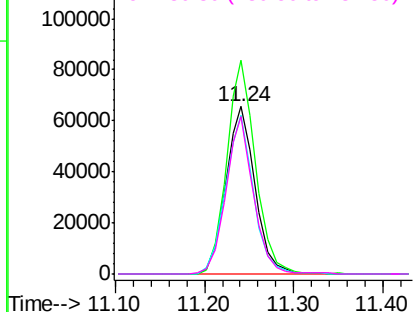


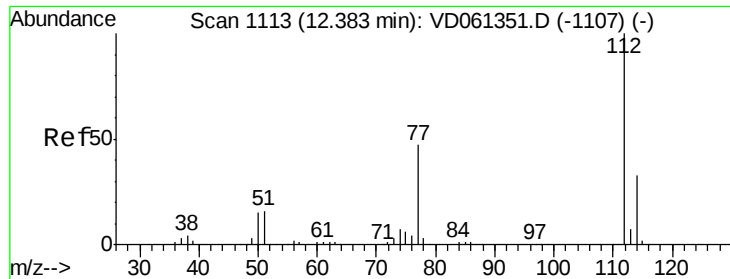
#64
Tetrachloroethene
Concen: 22.567 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Tgt Ion:164 Resp: 149706
Ion Ratio Lower Upper
164 100
166 127.7 102.4 153.6
129 94.9 76.8 115.2
131 94.2 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

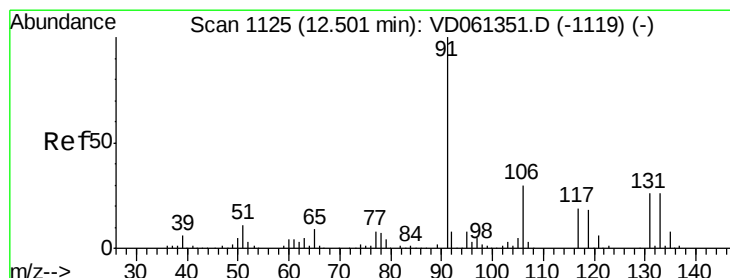
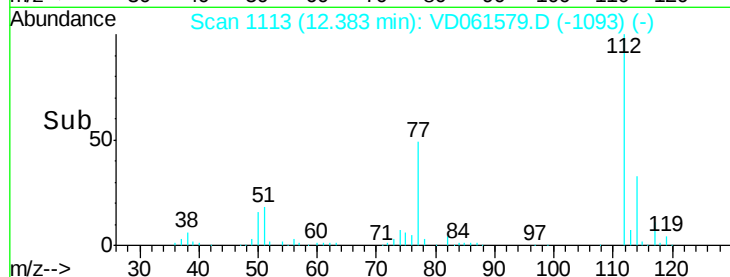
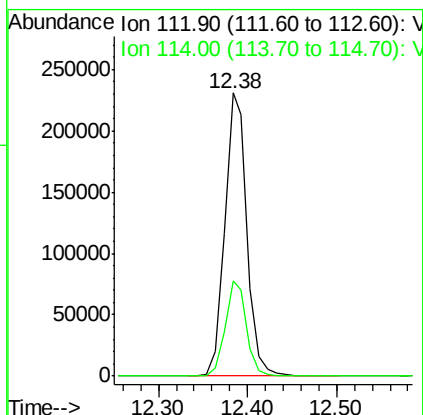
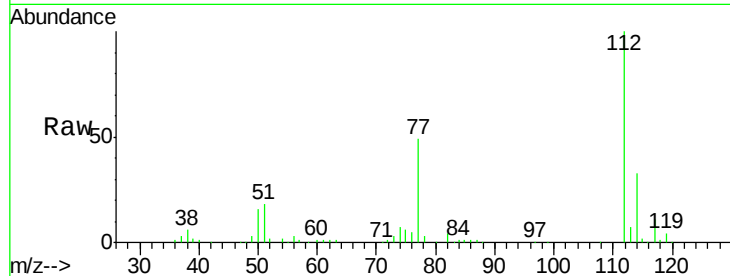




#65
Chlorobenzene
Concen: 23.324 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

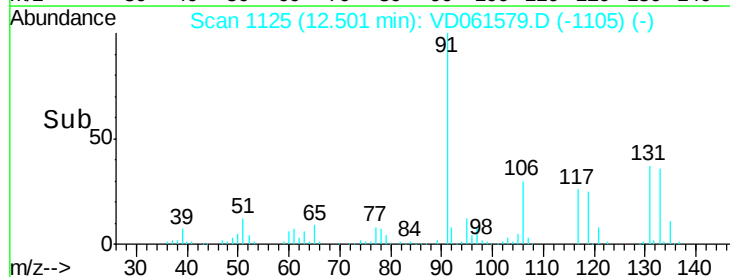
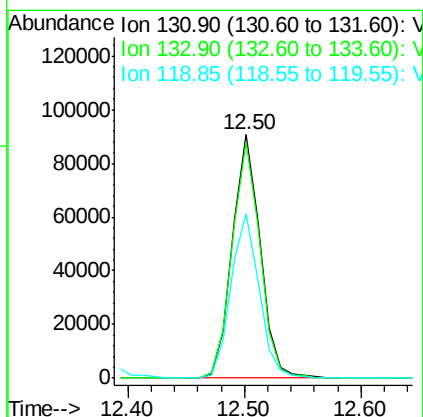
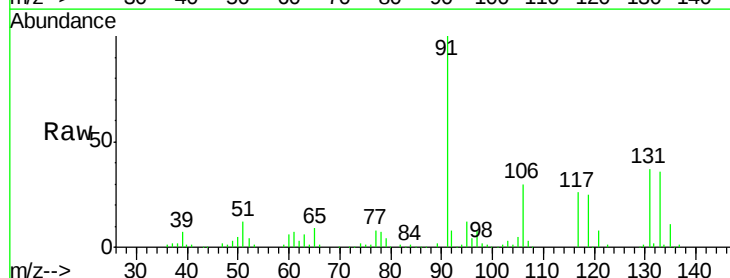
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 402899
Ion Ratio Lower Upper
112 100
114 33.4 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.464 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Tgt Ion:131 Resp: 150247
Ion Ratio Lower Upper
131 100
133 97.1 49.4 148.2
119 67.7 34.1 102.2

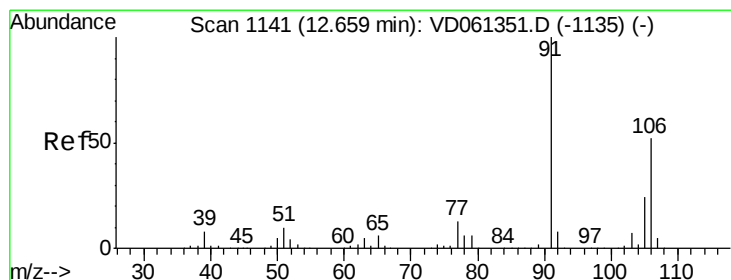
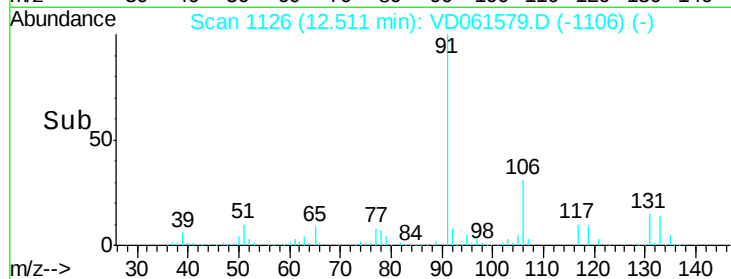
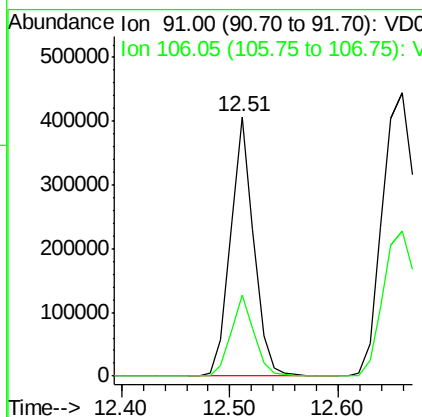
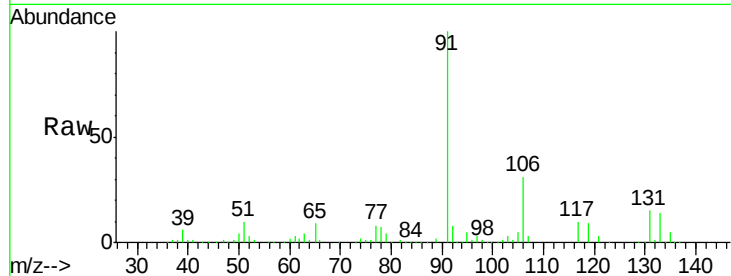




#67
Ethyl Benzene
Concen: 23.090 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

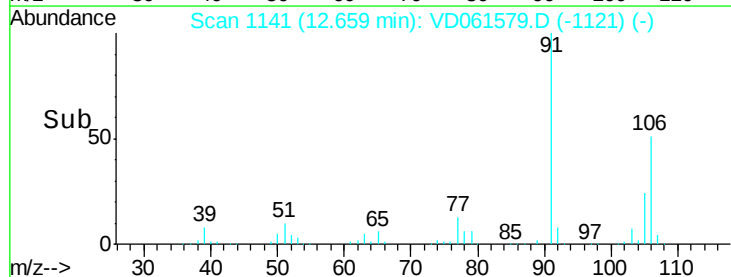
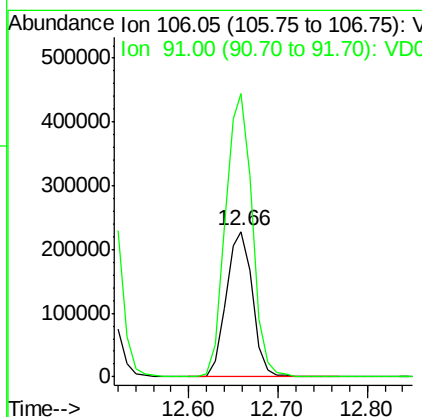
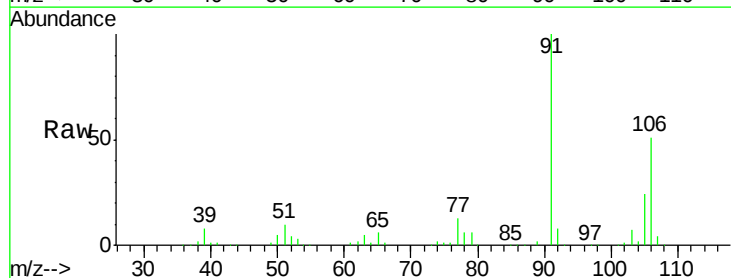
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 608802
Ion Ratio Lower Upper
91 100
106 31.1 26.1 39.1



#68
m/p-Xylenes
Concen: 47.483 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Tgt Ion: 106 Resp: 474254
Ion Ratio Lower Upper
106 100
91 194.2 153.1 229.7

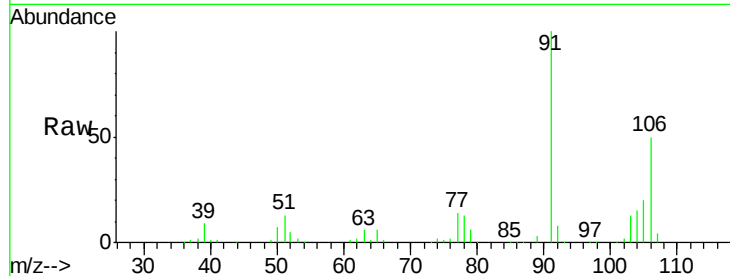




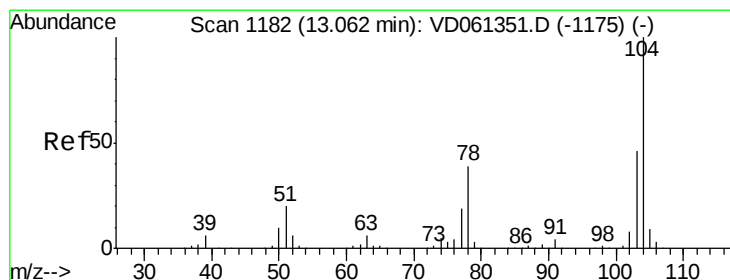
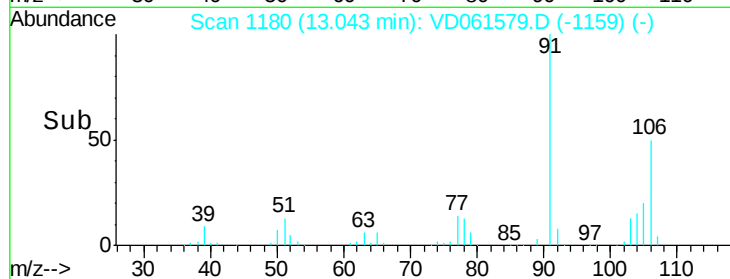
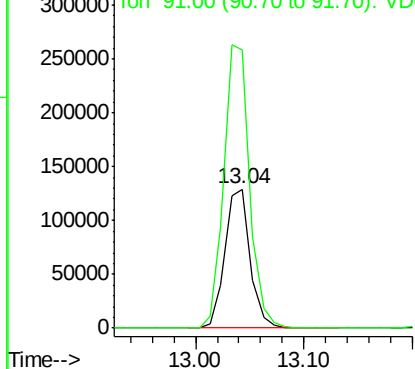
#69
o-Xylene
Concen: 21.592 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 209278
Ion Ratio Lower Upper
106 100
91 200.1 103.8 311.3

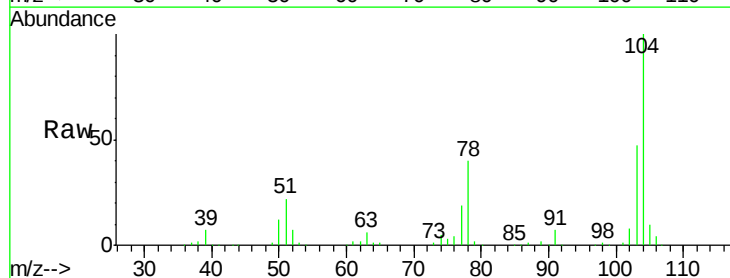


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

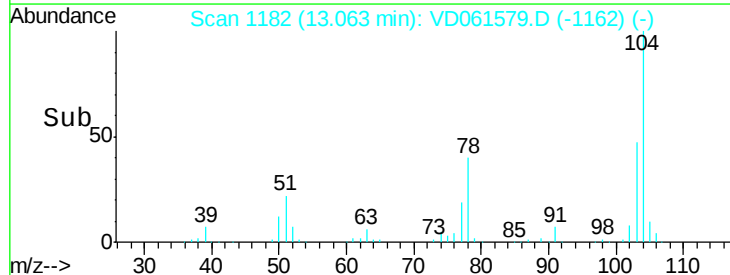
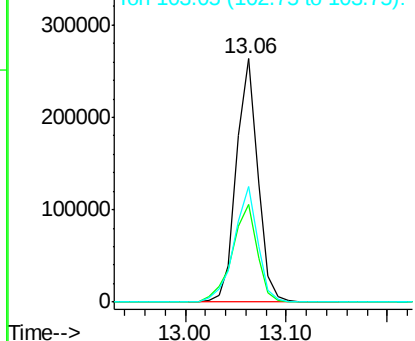


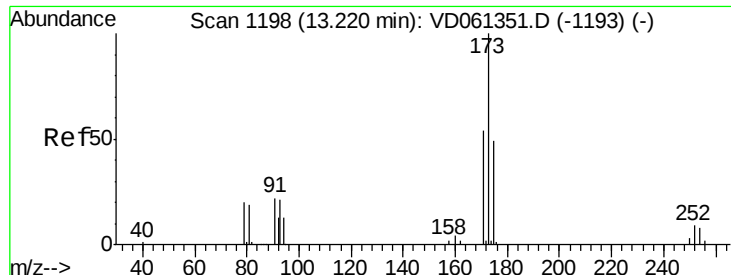
#70
Styrene
Concen: 23.019 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Tgt Ion:104 Resp: 388929
Ion Ratio Lower Upper
104 100
78 39.9 31.0 46.6
103 47.3 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

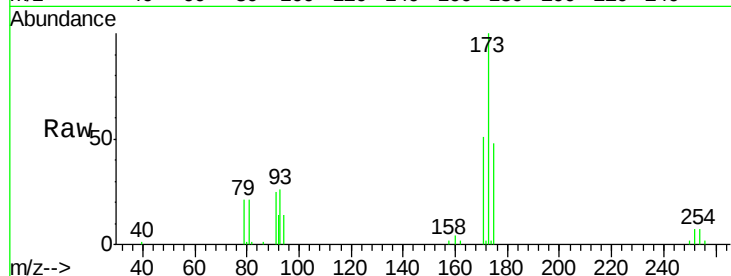




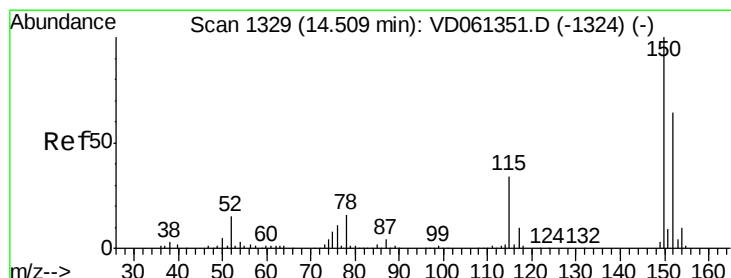
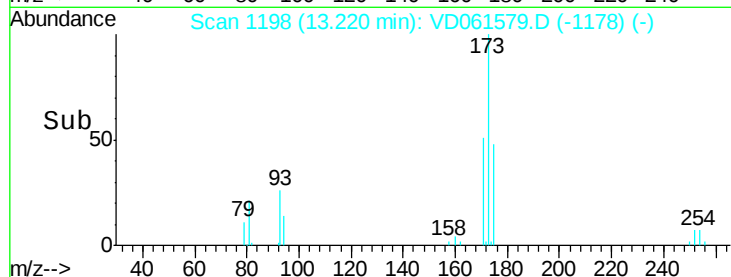
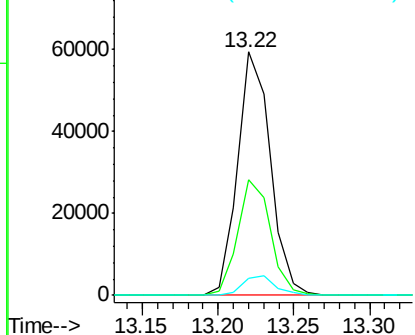
#71
Bromoform
Concen: 21.035 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. 0.00 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 89184
Ion Ratio Lower Upper
173 100
175 47.7 24.6 73.8
254 6.8 6.6 10.0

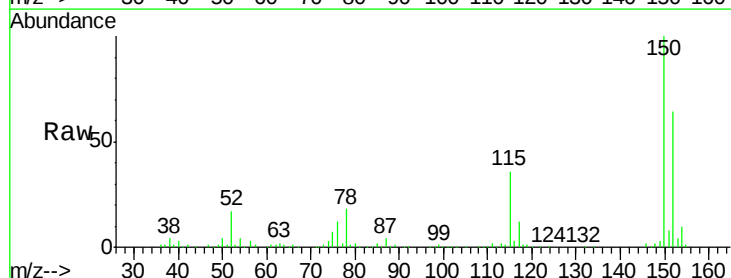


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

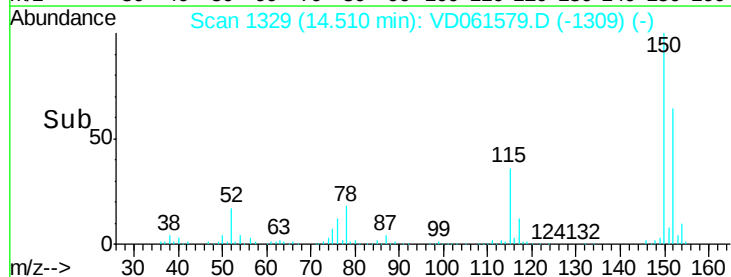
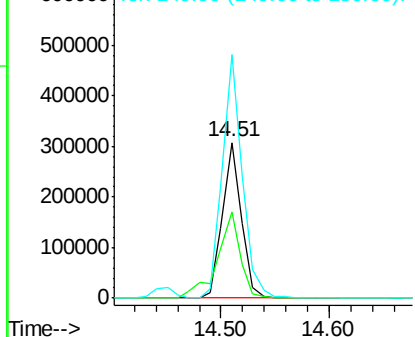


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Tgt Ion:152 Resp: 373332
Ion Ratio Lower Upper
152 100
115 55.8 26.9 80.6
150 156.7 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: 24.504 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

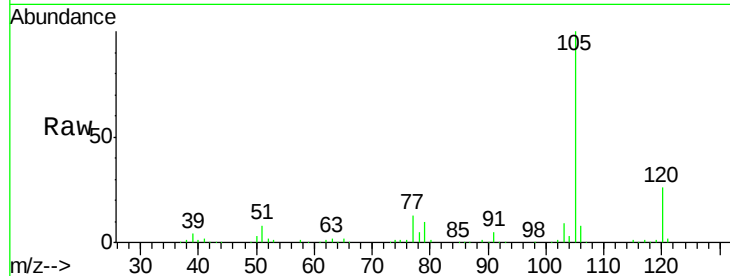
ClientSampleId :

Tot Ion:105 Resp: 636702

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

400000

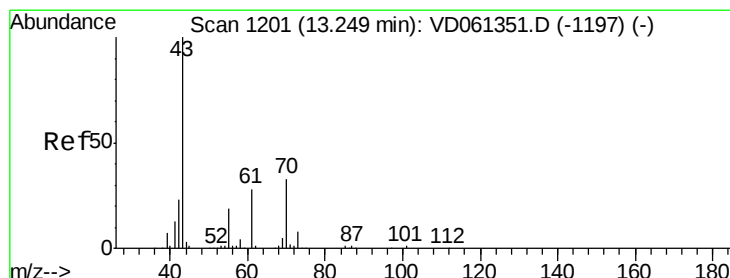
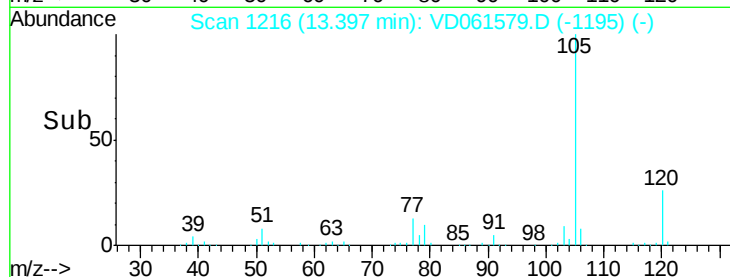
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.644 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Tgt Ion: 43 Resp: 149424

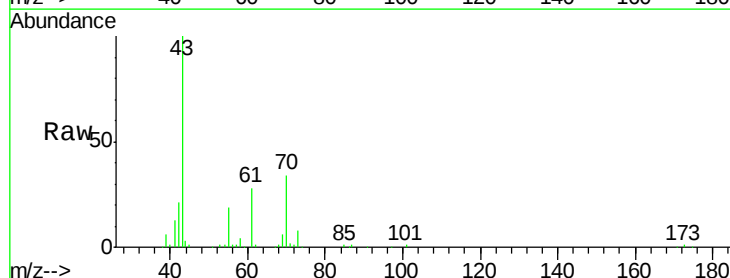
Ion Ratio Lower Upper

43 100

70 33.9 26.6 40.0

55 18.7 15.4 23.2

61 27.8 22.2 33.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

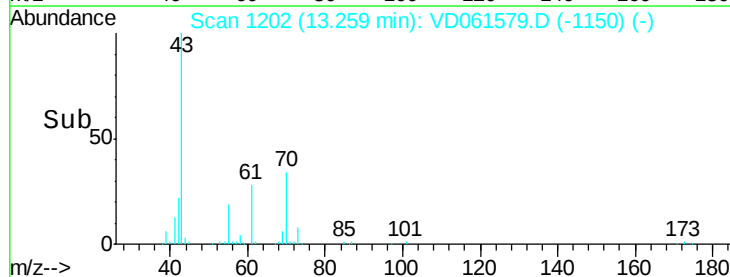
150000

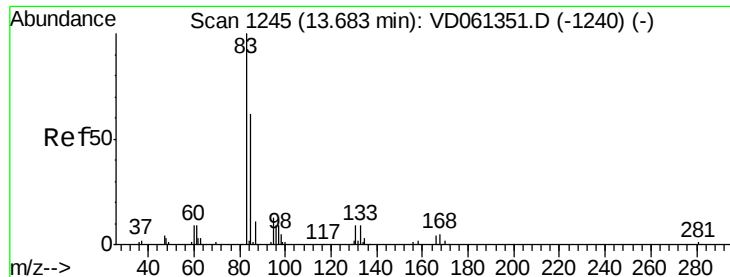
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 20.903 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

ClientSampled :

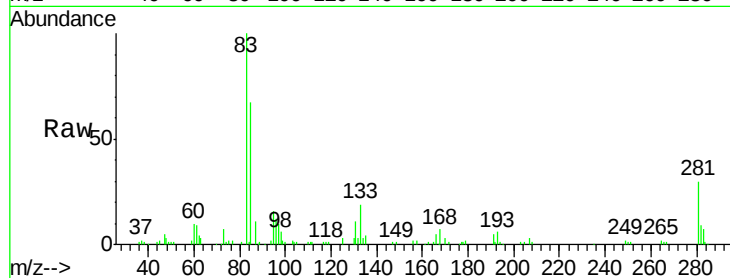
Tot Ion: 83 Resp: 114572

Ion Ratio Lower Upper

83 100

131 10.8 4.3 13.1

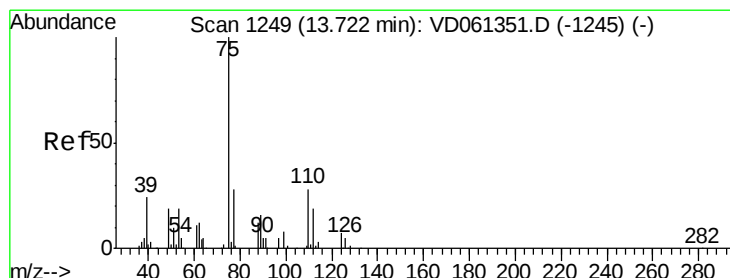
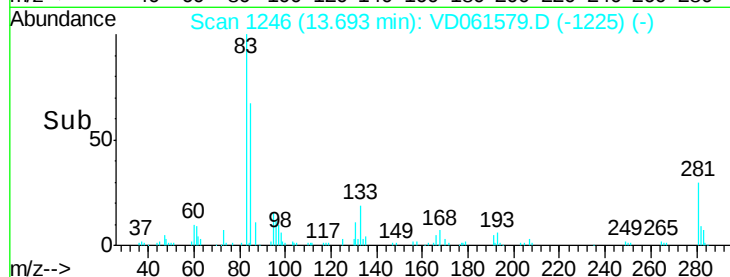
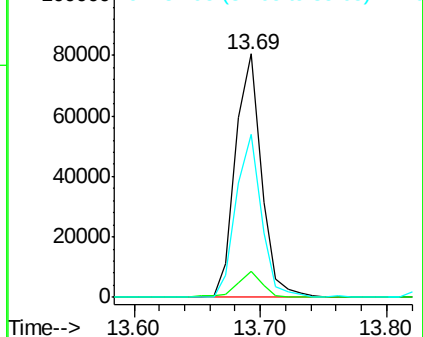
85 66.8 31.2 93.6



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: 21.974 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VD061579.D

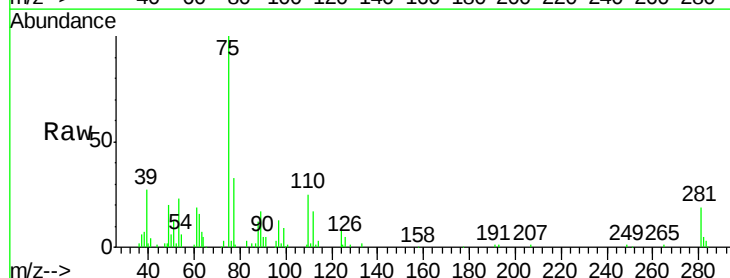
Acq: 4 Apr 2019 15:21

Tgt Ion: 75 Resp: 118501

Ion Ratio Lower Upper

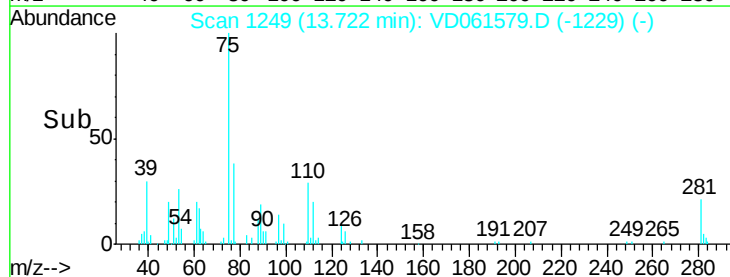
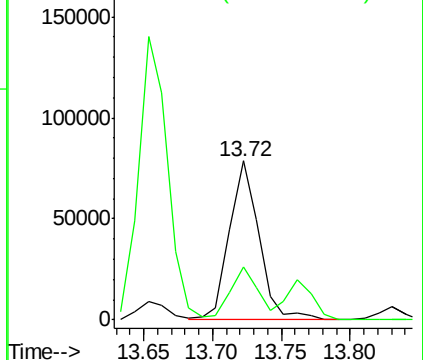
75 100

77 33.3 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: 21.499 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

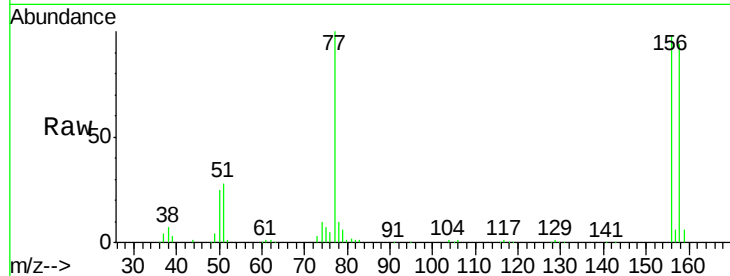
Tot Ion:156 Resp: 165607

Ion Ratio Lower Upper

156 100

77 102.3 68.5 205.6

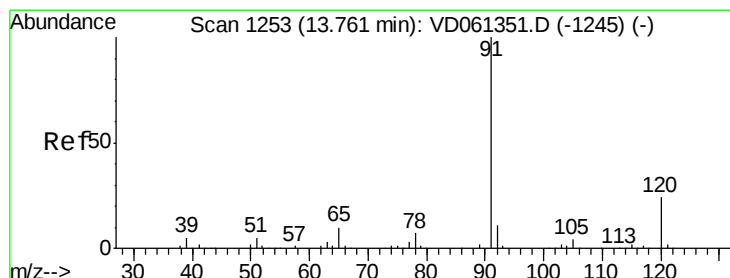
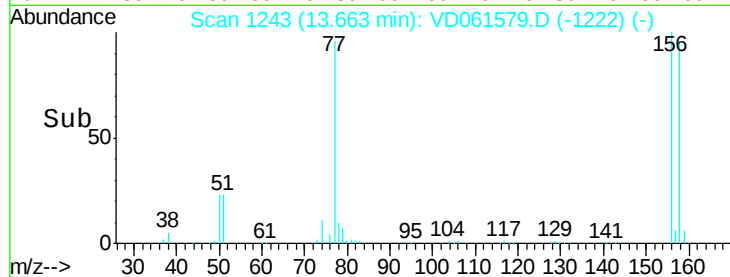
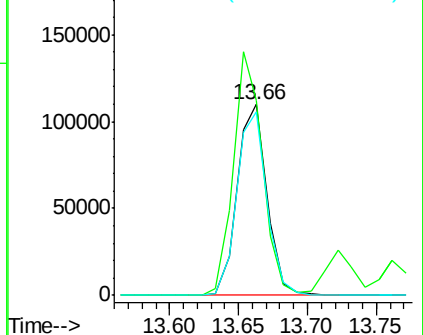
158 96.1 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.503 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VD061579.D

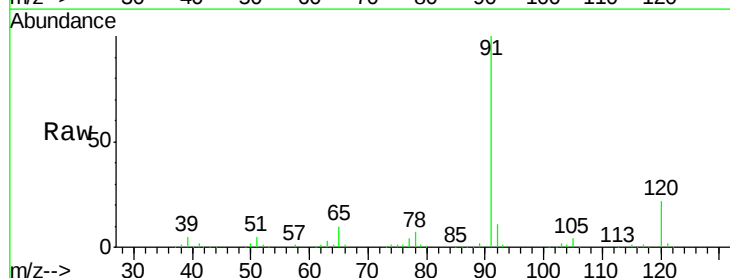
Acq: 4 Apr 2019 15:21

Tgt Ion: 91 Resp: 747359

Ion Ratio Lower Upper

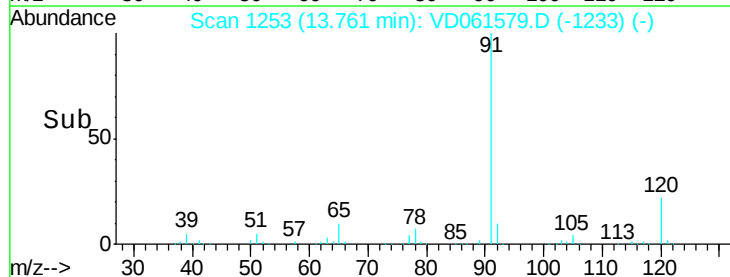
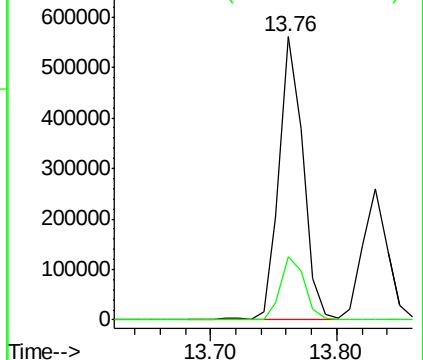
91 100

120 22.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

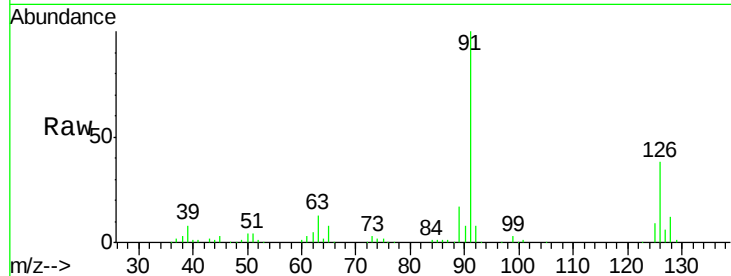




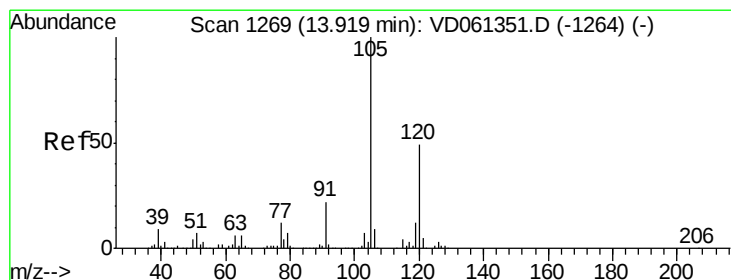
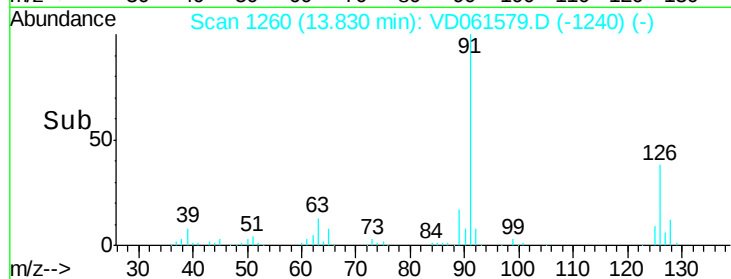
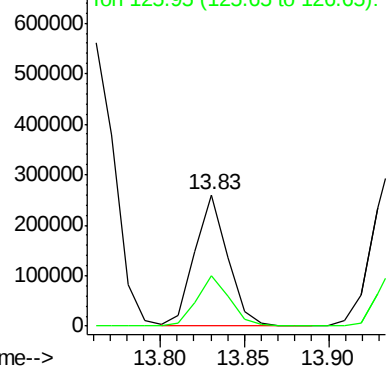
#79
 2-Chlorotoluene
 Concen: 20.502 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 91 Resp: 353974
 Ion Ratio Lower Upper
 91 100
 126 38.2 19.4 58.2

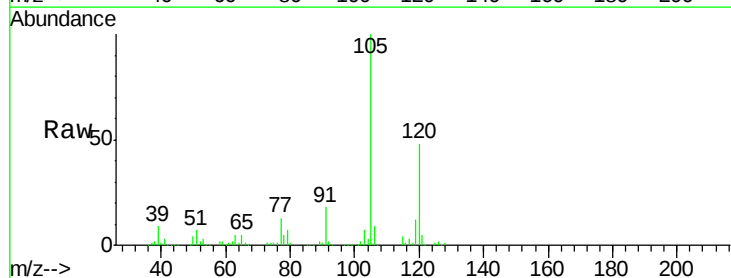


Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)
 Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)

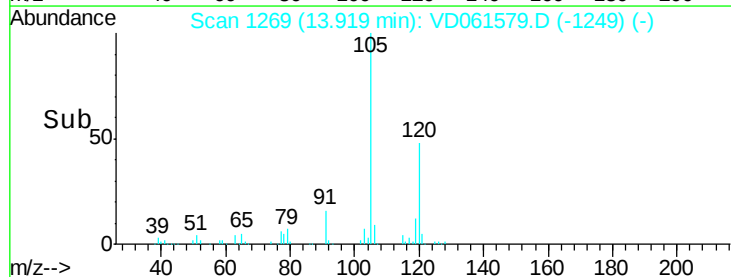
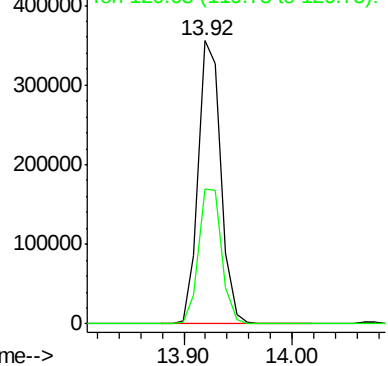


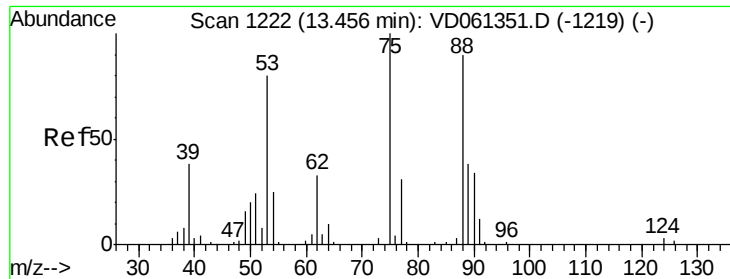
#80
 1,3,5-Trimethylbenzene
 Concen: 25.690 ug/l
 RT: 13.92 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

Tgt Ion: 105 Resp: 517913
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)
 Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)

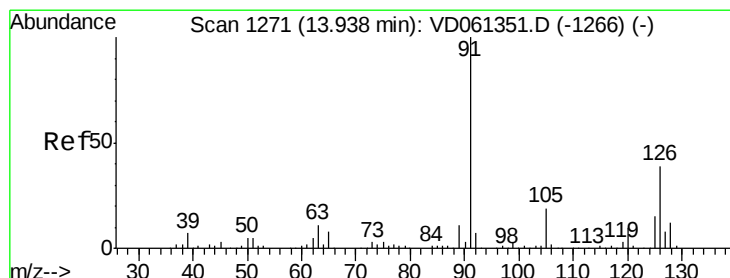
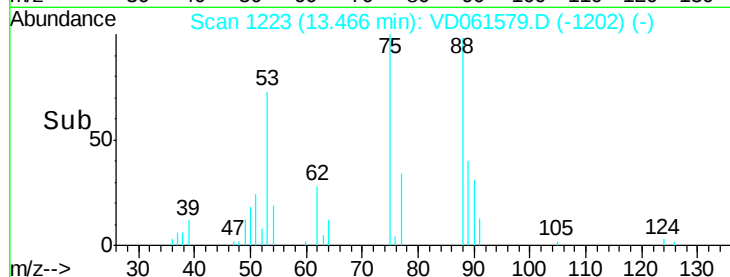
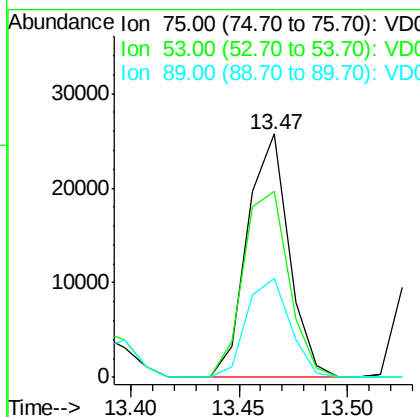
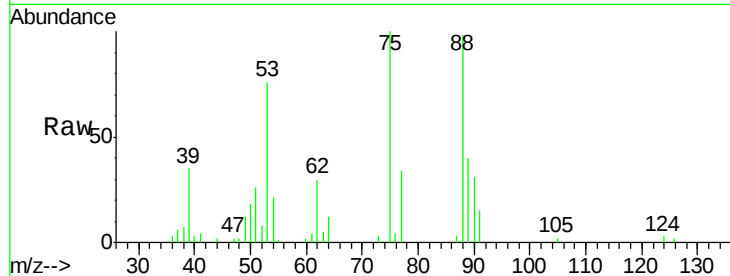




#81
trans-1,4-Dichloro-2-butene
Concen: 20.795 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

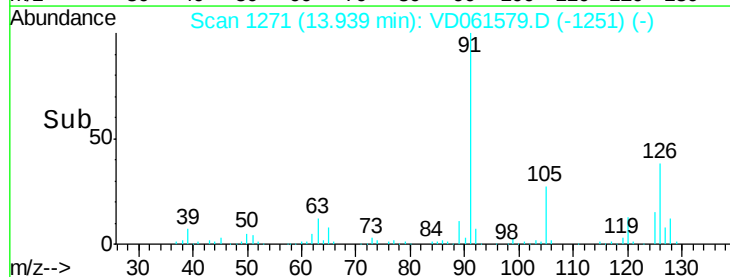
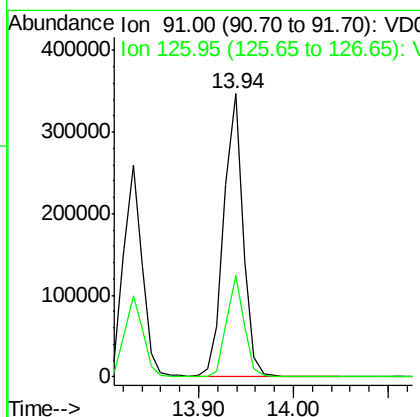
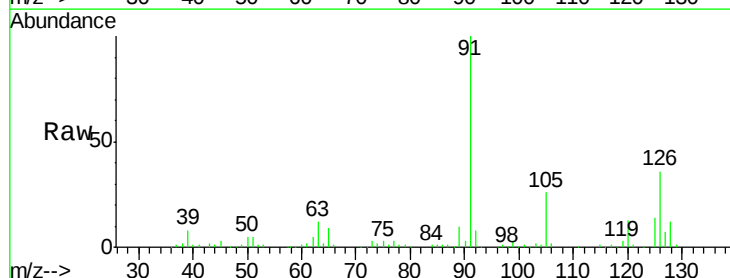
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 34193
Ion Ratio Lower Upper
75 100
53 76.4 63.8 95.8
89 40.5 30.5 45.7



#82
4-Chlorotoluene
Concen: 25.996 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Tgt Ion: 91 Resp: 488030
Ion Ratio Lower Upper
91 100
126 35.9 19.6 58.8





#83

tert-Butylbenzene

Concen: 21.255 ug/l

RT: 14.17 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

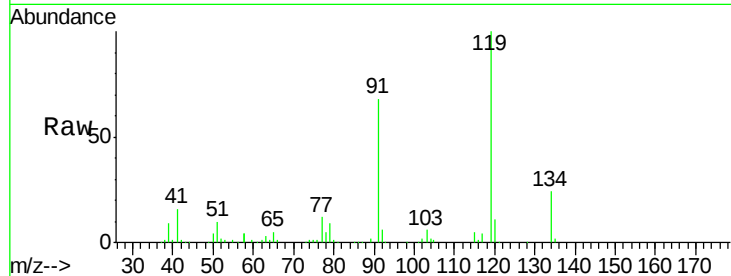
Tot Ion:119 Resp: 535505

Ion Ratio Lower Upper

119 100

91 68.4 34.1 102.3

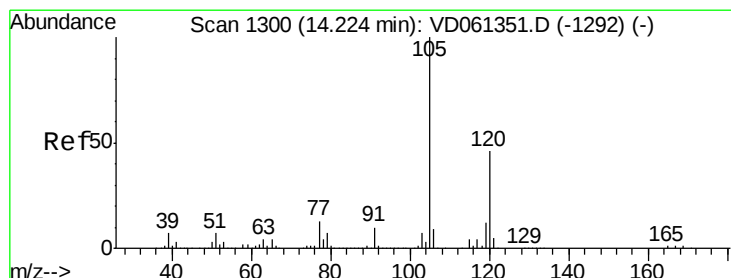
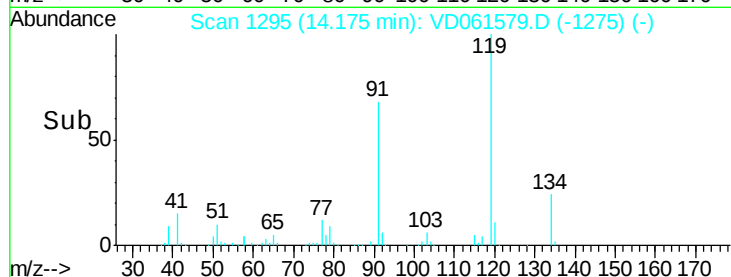
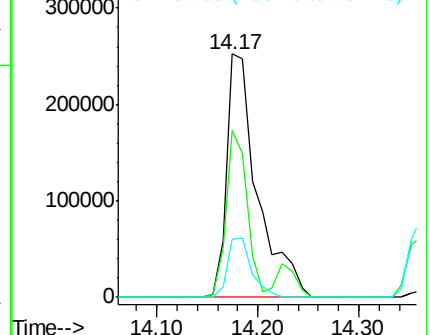
134 23.8 11.6 34.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.123 ug/l

RT: 14.22 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VD061579.D

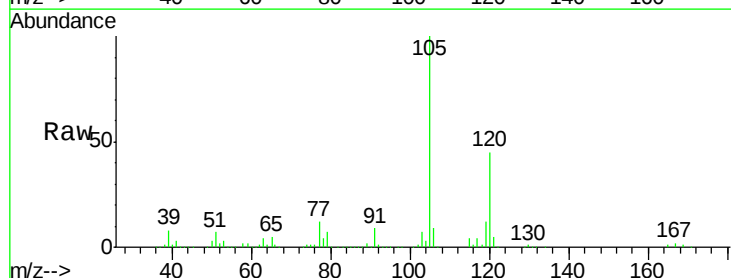
Acq: 4 Apr 2019 15:21

Tgt Ion:105 Resp: 504691

Ion Ratio Lower Upper

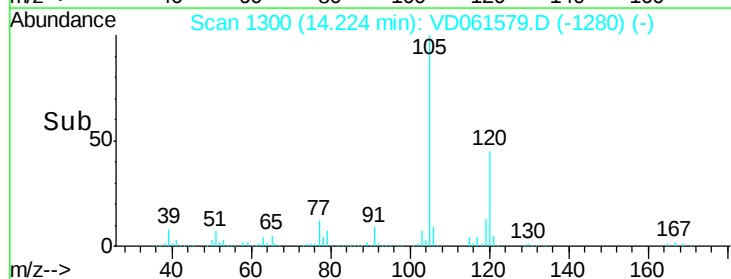
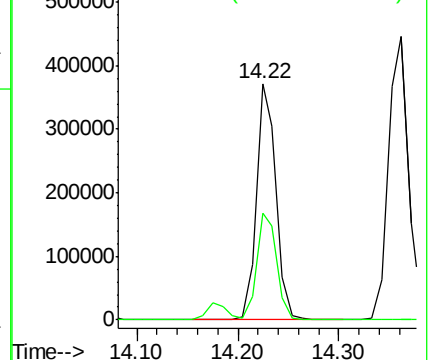
105 100

120 45.2 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 23.122 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

Instrument :

MSVOA_D

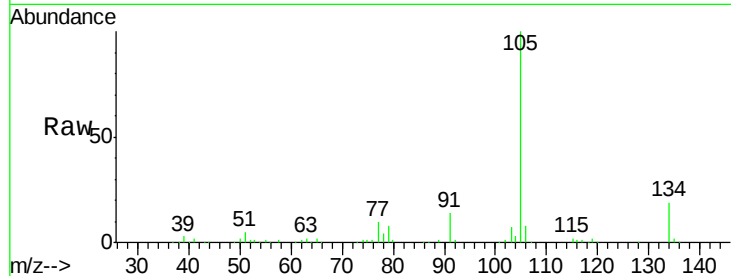
ClientSampleId :

Tot Ion:105 Resp: 618863

Ion Ratio Lower Upper

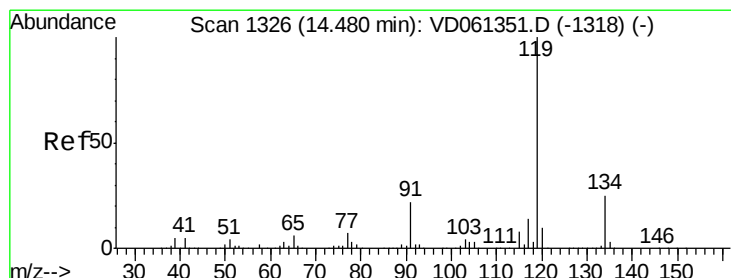
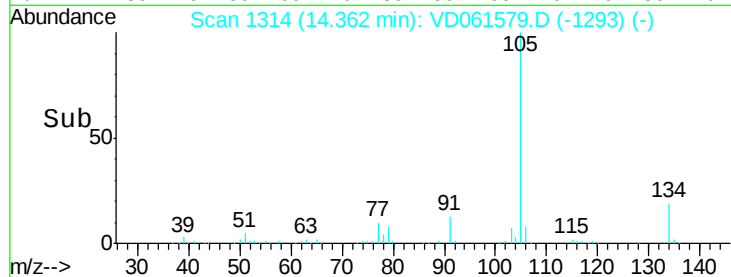
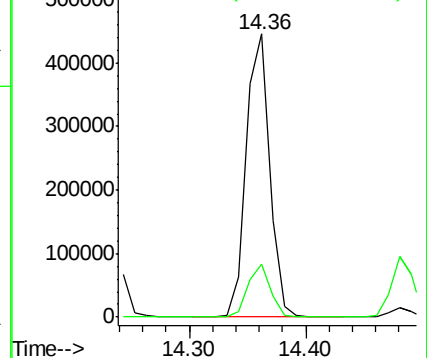
105 100

134 18.8 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: 22.999 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VD061579.D

Acq: 4 Apr 2019 15:21

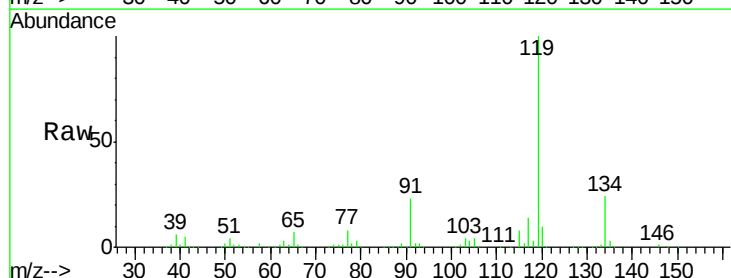
Tgt Ion:119 Resp: 520541

Ion Ratio Lower Upper

119 100

134 24.1 12.3 36.8

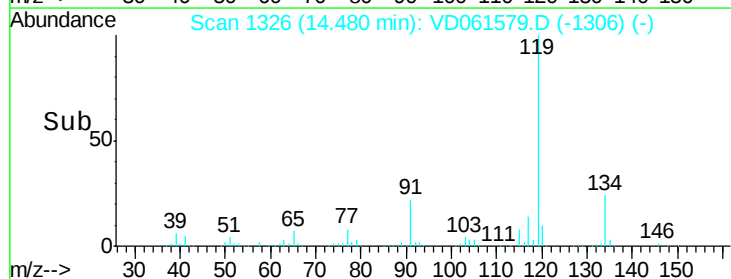
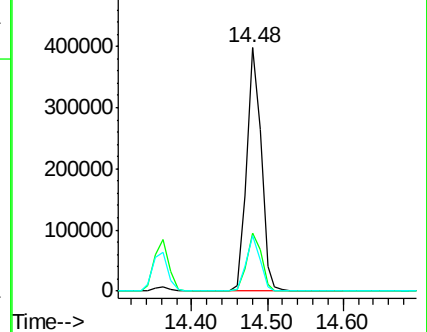
91 22.6 11.1 33.1



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

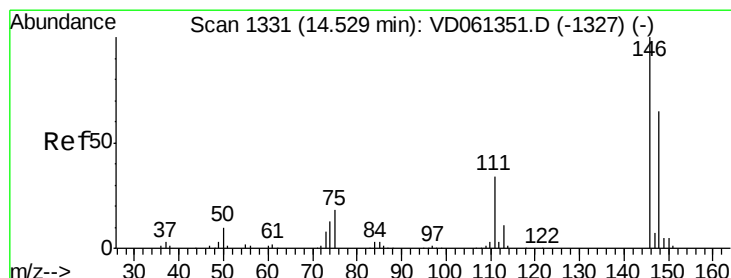
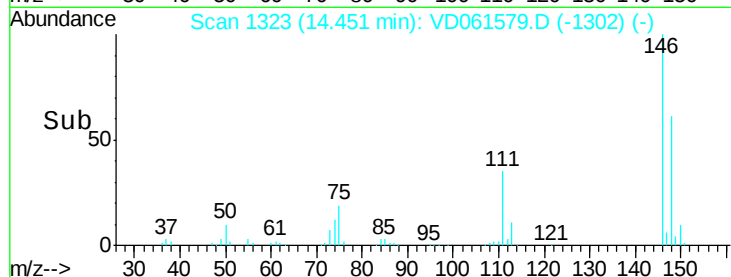
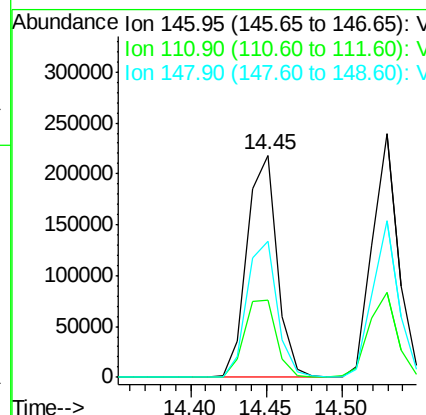
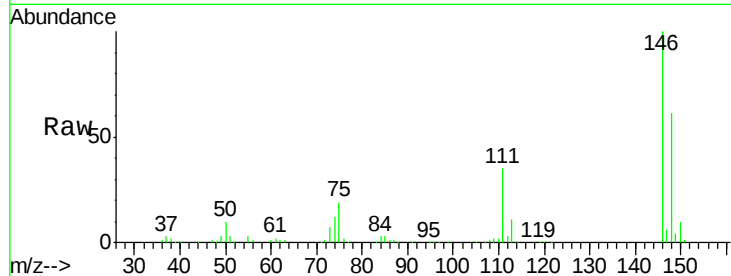




#87
 1,3-Dichlorobenzene
 Concen: 23.197 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

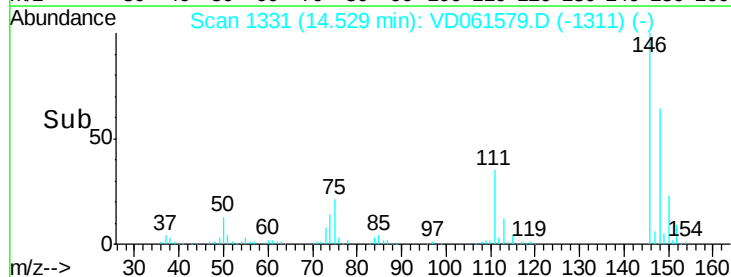
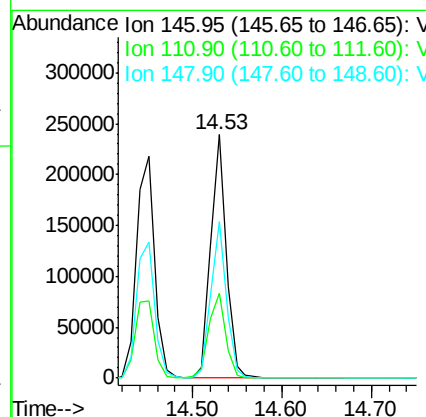
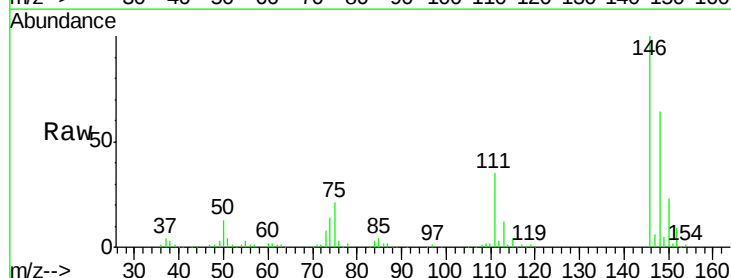
Instrument :
 MSVOA_D
 ClientSampleId :

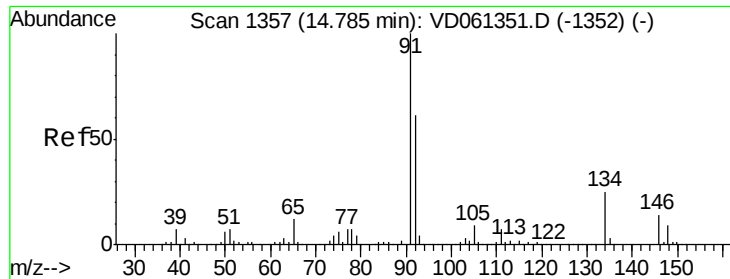
Tot Ion:146 Resp: 302593
 Ion Ratio Lower Upper
 146 100
 111 34.9 20.6 61.9
 148 61.3 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 22.720 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

Tgt Ion:146 Resp: 289019
 Ion Ratio Lower Upper
 146 100
 111 34.7 16.8 50.4
 148 64.1 32.6 98.0

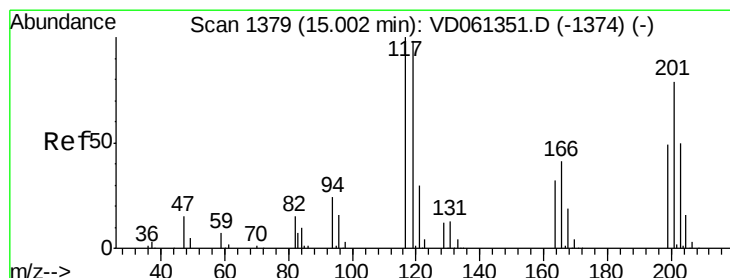
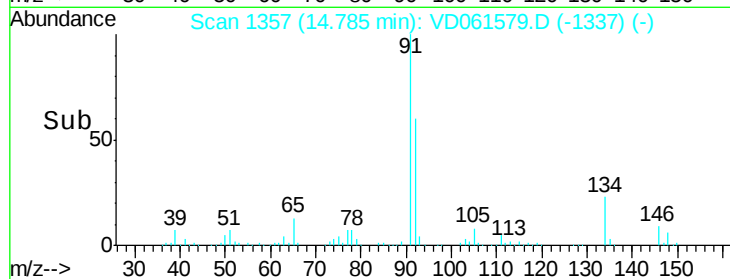
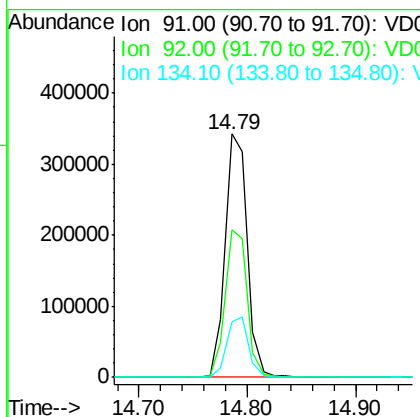
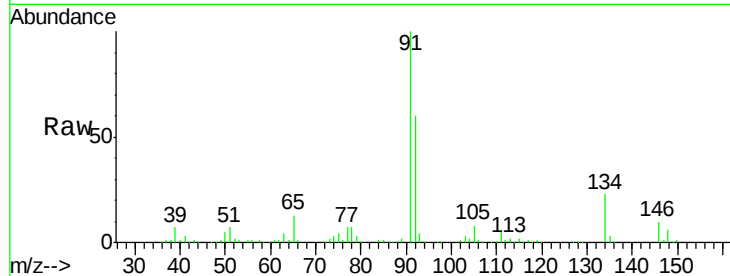




#89
n-Butylbenzene
Concen: 23.436 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

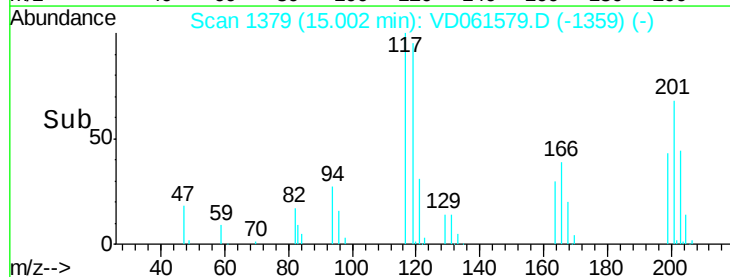
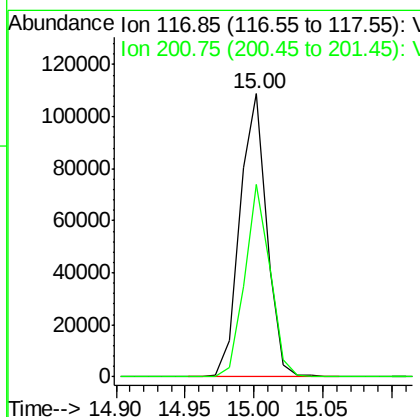
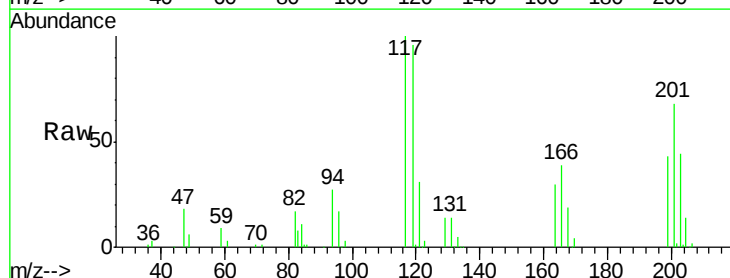
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 91 Resp: 486845
Ion Ratio Lower Upper
91 100
92 60.4 30.3 91.0
134 22.9 12.4 37.0



#90
Hexachloroethane
Concen: 23.122 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Tgt Ion: 117 Resp: 147841
Ion Ratio Lower Upper
117 100
201 67.9 39.6 119.0

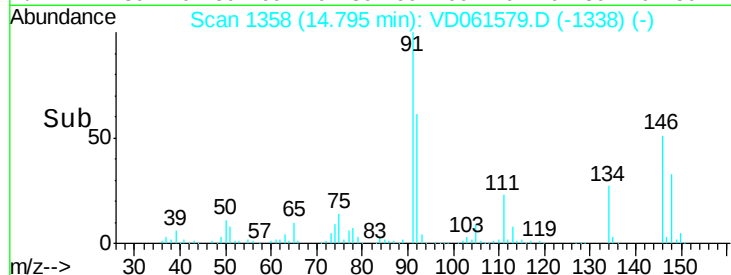
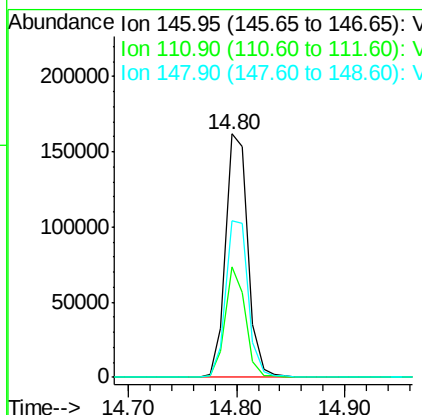
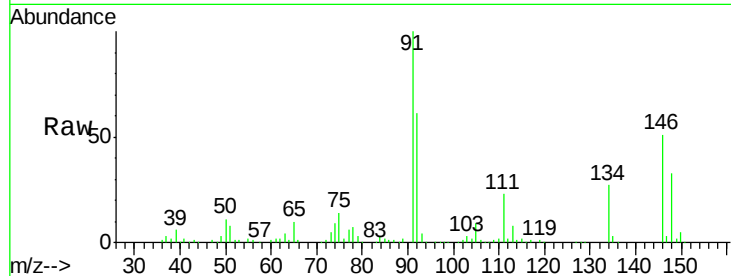




#91
 1,2-Dichlorobenzene
 Concen: 21.798 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

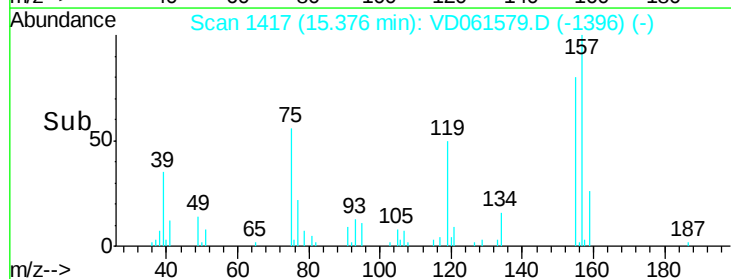
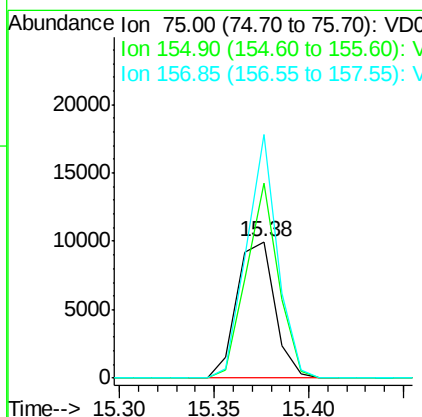
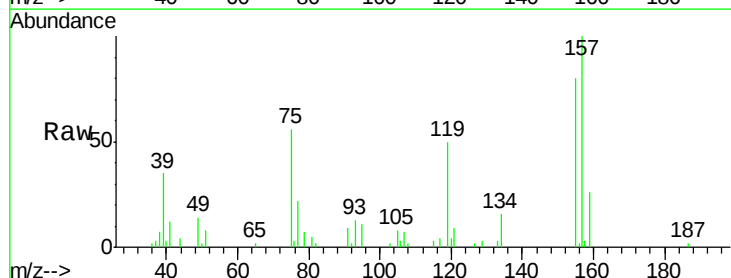
Instrument :
 MSVOA_D
 ClientSampled :

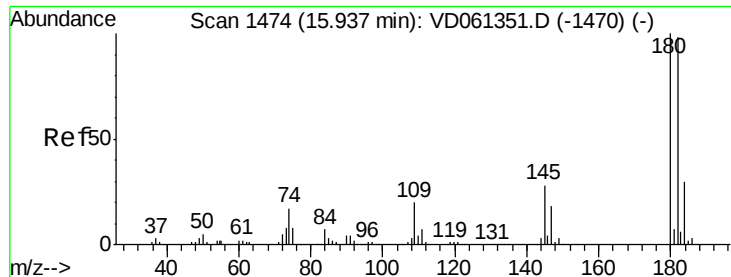
Tot Ion:146 Resp: 233228
 Ion Ratio Lower Upper
 146 100
 111 45.3 21.2 63.6
 148 64.4 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.504 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

Tgt Ion: 75 Resp: 13824
 Ion Ratio Lower Upper
 75 100
 155 143.2 43.6 130.9#
 157 178.4 58.5 175.3#

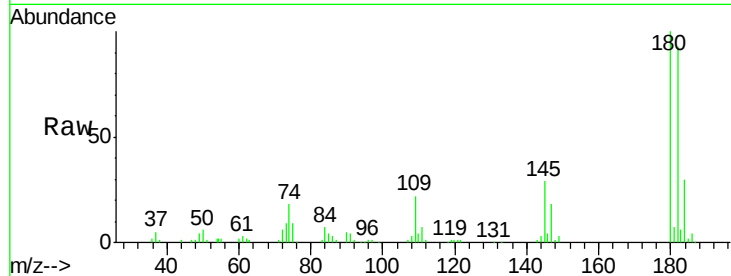




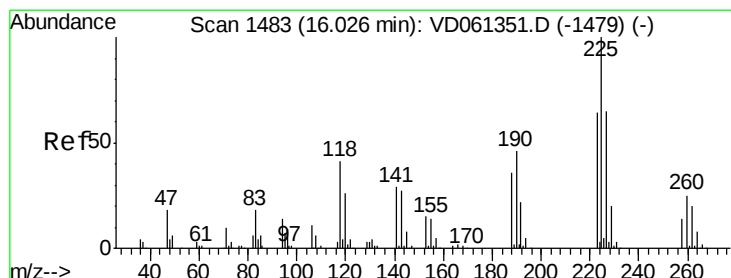
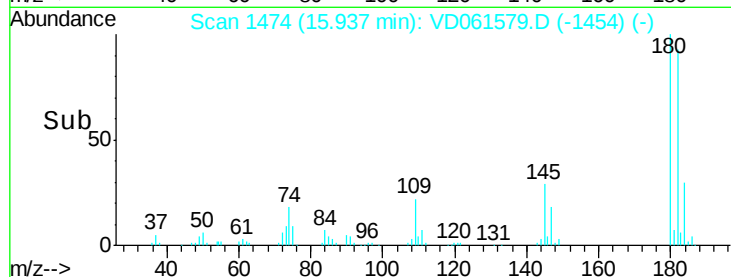
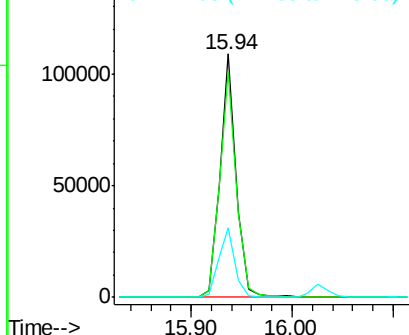
#93
 1,2,4-Trichlorobenzene
 Concen: 25.194 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. 0.00 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 122797
 Ion Ratio Lower Upper
 180 100
 182 92.7 48.9 146.8
 145 28.8 14.1 42.3

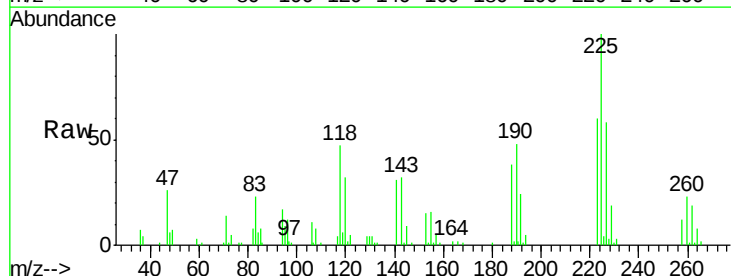


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

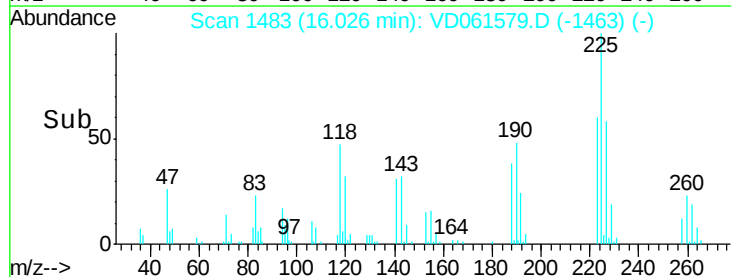
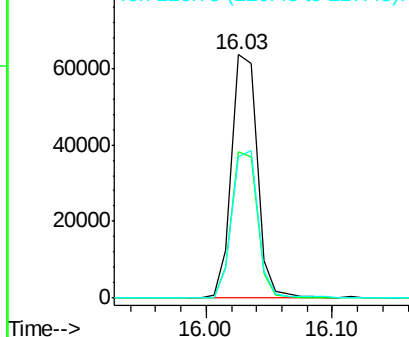


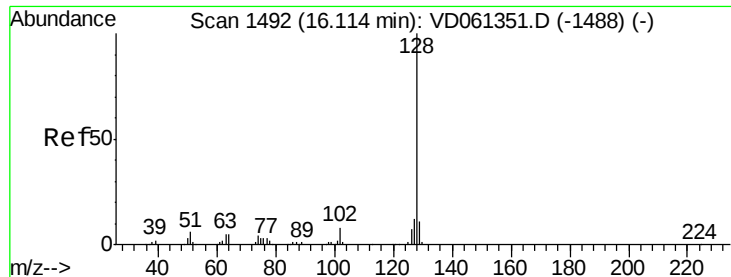
#94
 Hexachlorobutadiene
 Concen: 23.505 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: VD061579.D
 Acq: 4 Apr 2019 15:21

Tgt Ion:225 Resp: 89524
 Ion Ratio Lower Upper
 225 100
 223 59.9 32.0 96.0
 227 58.1 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

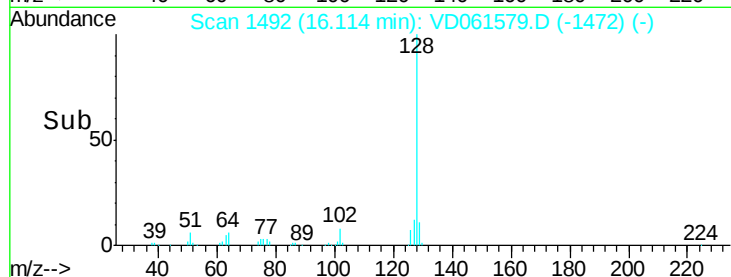
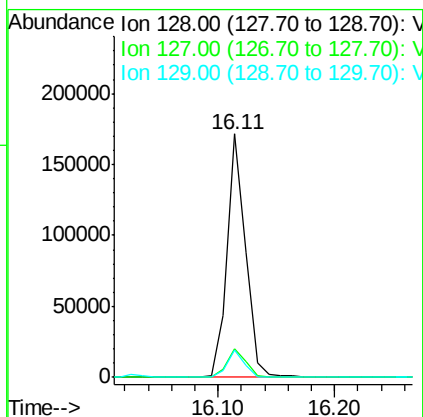
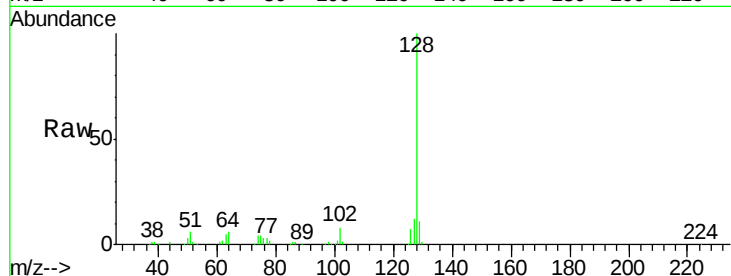




#95
Naphthalene
Concen: 25.405 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 188740
Ion Ratio Lower Upper
128 100
127 11.8 9.9 14.9
129 11.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 30.838 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VD061579.D
Acq: 4 Apr 2019 15:21

Tgt Ion:180 Resp: 66140
Ion Ratio Lower Upper
180 100
182 89.2 46.4 139.1
145 29.4 15.3 45.9

