

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061557.D
 Acq On : 3 Apr 2019 15:57
 Operator : VA/AP
 Sample : VD0403SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 04 01:46:14 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	7.05	168	640043	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1029945	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	803200	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	408623	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	271479	49.65	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	99.30%	
35) Dibromofluoromethane	6.93	113	421700	53.58	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	107.16%	
50) Toluene-d8	10.42	98	990433	52.47	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	13.56	95	382347	52.82	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	105.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	139506	20.409	ug/l	96
3) Chloromethane	1.76	50	120014	21.529	ug/l	100
4) Vinyl Chloride	1.85	62	114414	22.353	ug/l	100
5) Bromomethane	2.15	94	18363	18.092	ug/l	93
6) Chloroethane	2.26	64	32280	21.505	ug/l	100
7) Trichlorofluoromethane	2.53	101	162688	21.858	ug/l	99
8) Diethyl Ether	2.88	74	49329	20.585	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	174506	21.808	ug/l	100
10) Methyl Iodide	3.31	142	205877	19.217	ug/l	98
11) Tert butyl alcohol	4.07	59	37049	108.808	ug/l	97
12) 1,1-Dichloroethene	3.13	96	146981	21.395	ug/l	97
13) Acrolein	3.04	56	21560	66.265	ug/l	97
14) Allyl chloride	3.63	41	211563	22.079	ug/l	98
15) Acrylonitrile	4.20	53	136826	115.777	ug/l	95
16) Acetone	3.22	43	154114	109.650	ug/l	99
17) Carbon Disulfide	3.38	76	449539	20.140	ug/l	100
18) Methyl Acetate	3.65	43	67830	22.953	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	267367	22.483	ug/l	98
20) Methylene Chloride	3.82	84	216414	26.587	ug/l	100
21) trans-1,2-Dichloroethene	4.23	96	166526	22.452	ug/l	98
22) Diisopropyl ether	5.12	45	487826	24.058	ug/l	99
23) Vinyl Acetate	5.06	43	1274578	115.719	ug/l	99
24) 1,1-Dichloroethane	4.99	63	263485	22.111	ug/l	100
25) 2-Butanone	6.07	43	194259	109.874	ug/l	97
26) 2,2-Dichloropropane	6.03	77	218075	23.021	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	178656	21.985	ug/l	98
28) Bromochloromethane	6.44	49	91861	19.096	ug/l #	97
29) Tetrahydrofuran	6.46	42	95200	111.092	ug/l	99
30) Chloroform	6.67	83	277452	22.533	ug/l	99
31) Cyclohexane	6.95	56	199380	21.172	ug/l	89
32) 1,1,1-Trichloroethane	6.87	97	246123	22.657	ug/l	96
36) 1,1-Dichloropropene	7.15	75	210814	23.452	ug/l	97
37) Ethyl Acetate	6.19	43	95408	24.817	ug/l	97
38) Carbon Tetrachloride	7.11	117	240918	23.324	ug/l	96

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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	8.86	83	223598	23.883	ug/l	97
40) Benzene	7.46	78	480831	21.313	ug/l	97
41) Methacrylonitrile	6.45	41	107846	23.992	ug/l	94
42) 1,2-Dichloroethane	7.58	62	161784	23.974	ug/l	99
43) Isopropyl Acetate	9.24	43	137766	24.629	ug/l	100
44) Trichloroethene	8.55	130	193465	23.043	ug/l	98
45) 1,2-Dichloropropane	8.94	63	125885	22.006	ug/l	99
46) Dibromomethane	9.06	93	90617	23.535	ug/l	90
47) Bromodichloromethane	9.39	83	200125	23.157	ug/l	96
48) Methyl methacrylate	9.12	41	78472	25.420	ug/l	98
49) 1,4-Dioxane	9.09	88	18361	539.243	ug/l #	81
51) 4-Methyl-2-Pentanone	10.30	43	376349	110.591	ug/l	97
52) Toluene	10.51	92	348827	25.345	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	179427	22.852	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	238530	24.949	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	109491	22.747	ug/l	96
56) Ethyl methacrylate	11.05	69	116354	22.502	ug/l	96
57) 1,3-Dichloropropane	11.41	76	165802	23.436	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	316889	125.841	ug/l	97
59) 2-Hexanone	11.53	43	325886	132.171	ug/l	100
60) Dibromochloromethane	11.69	129	172678	23.271	ug/l	95
61) 1,2-Dibromoethane	11.81	107	135042	24.229	ug/l	100
64) Tetrachloroethene	11.27	164	149243	23.676	ug/l	96
65) Chlorobenzene	12.41	112	412354	25.121	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	159091	25.032	ug/l	98
67) Ethyl Benzene	12.53	91	645903	25.779	ug/l	97
68) m/p-Xylenes	12.67	106	496852	52.350	ug/l	96
69) o-Xylene	13.05	106	255965	27.792	ug/l	99
70) Styrene	13.08	104	441190	27.480	ug/l	98
71) Bromoform	13.23	173	97425	24.182	ug/l	99
73) Isopropylbenzene	13.40	105	650594	22.876	ug/l	97
74) N-amyl acetate	13.26	43	177807	22.443	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	129627	21.607	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	125621	21.282	ug/l	98
77) Bromobenzene	13.68	156	177960	21.107	ug/l	83
78) n-propylbenzene	13.78	91	817978	23.503	ug/l	97
79) 2-Chlorotoluene	13.84	91	423183	22.394	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	485191	21.988	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	35371	19.654	ug/l #	91
82) 4-Chlorotoluene	13.95	91	474256	23.081	ug/l	98
83) tert-Butylbenzene	14.19	119	575475	20.868	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	515187	21.566	ug/l	100
85) sec-Butylbenzene	14.37	105	684166	23.354	ug/l	100
86) p-Isopropyltoluene	14.49	119	578936	23.370	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	328717	23.024	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	323404	23.228	ug/l	99
89) n-Butylbenzene	14.80	91	447895	19.699	ug/l	99
90) Hexachloroethane	15.01	117	145685	20.817	ug/l	67
91) 1,2-Dichlorobenzene	14.81	146	242239	20.685	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	15140	21.517	ug/l	94

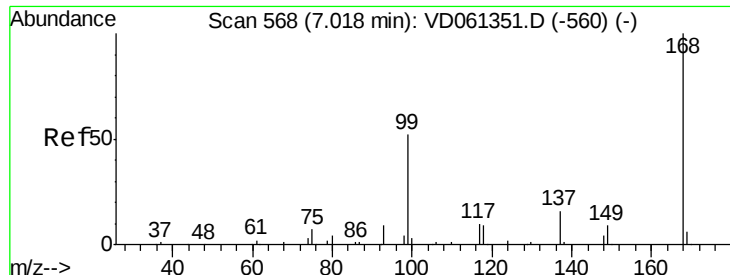
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	137416	25.759	ug/l	98
94) Hexachlorobutadiene	16.04	225	98827	23.707	ug/l	98
95) Naphthalene	16.13	128	220832	27.157	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	69650	29.669	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

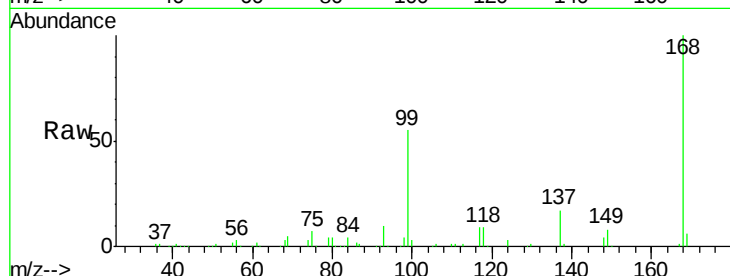
ClientSampleId :

Tot Ion:168 Resp: 640043

Ion Ratio Lower Upper

168 100

99 55.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

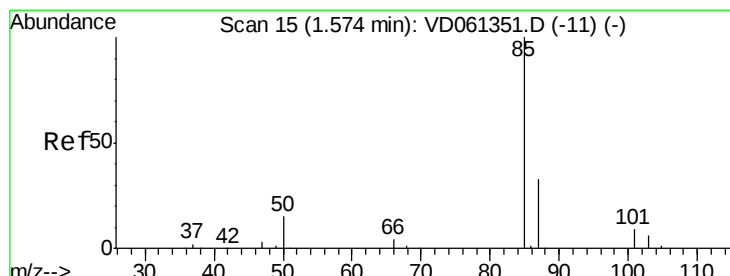
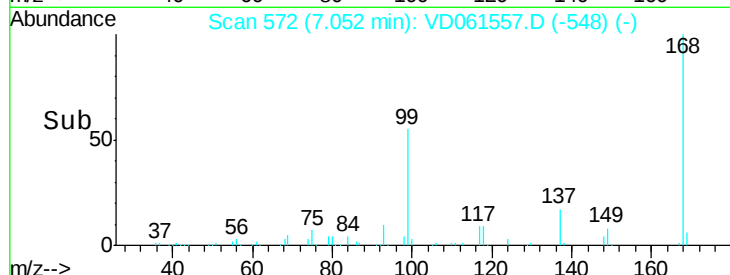
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.409 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061557.D

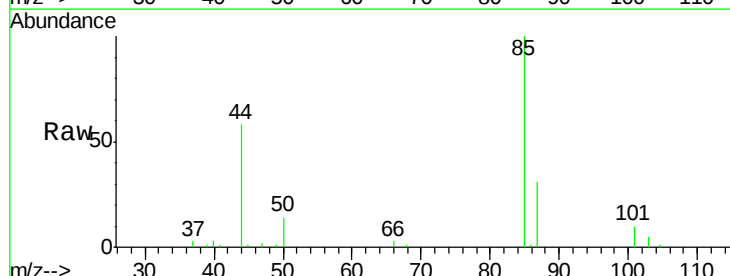
Acq: 3 Apr 2019 15:57

Tgt Ion: 85 Resp: 139506

Ion Ratio Lower Upper

85 100

87 30.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

60000

50000

40000

30000

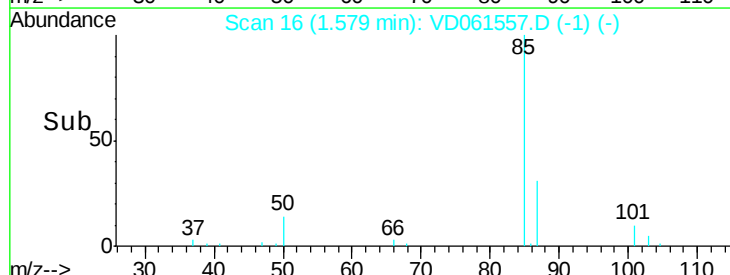
20000

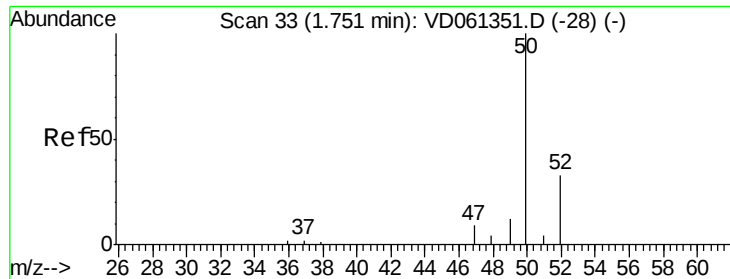
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0

1.50 1.60 1.70 1.80

Time-->

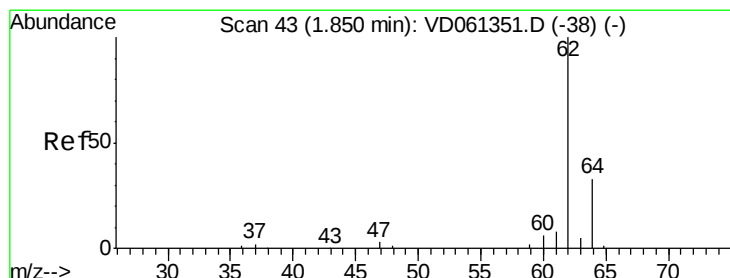
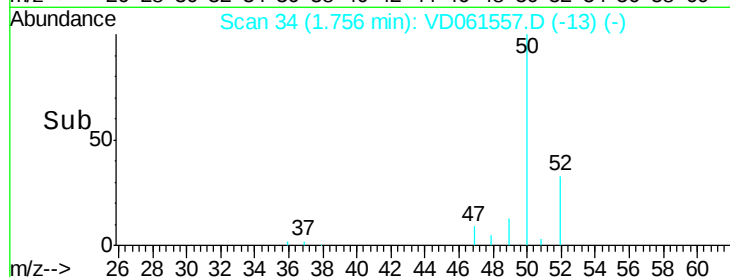
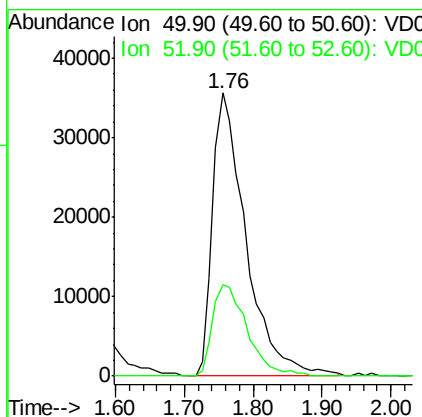
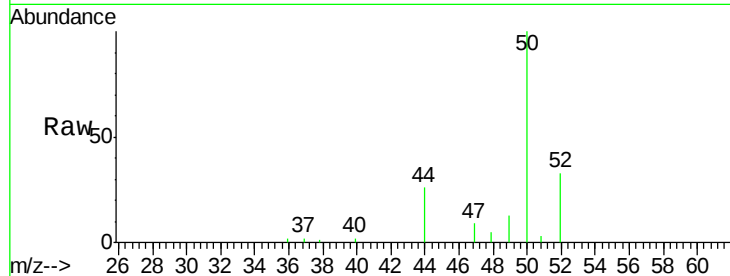




#3
 Chloromethane
 Concen: 21.529 ug/l
 RT: 1.76 min Scan# 34
 Delta R.T. 0.00 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

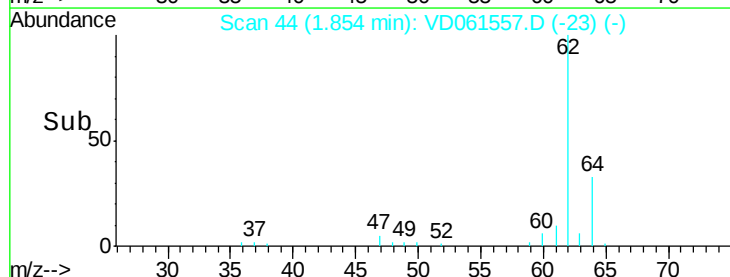
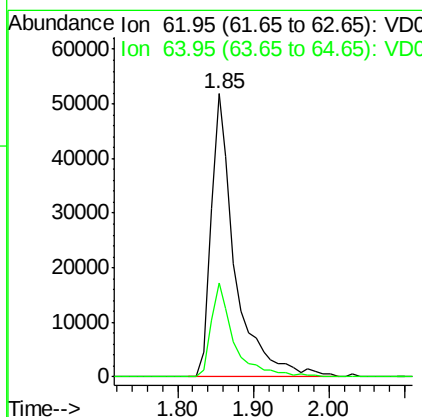
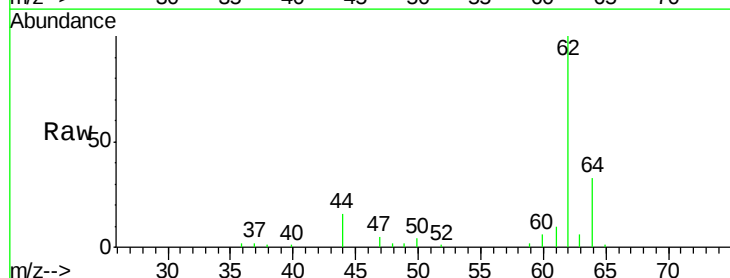
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 50 Resp: 120014
 Ion Ratio Lower Upper
 50 100
 52 32.5 26.1 39.1



#4
 Vinyl Chloride
 Concen: 22.353 ug/l
 RT: 1.85 min Scan# 44
 Delta R.T. 0.00 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion: 62 Resp: 114414
 Ion Ratio Lower Upper
 62 100
 64 33.2 26.6 39.8





#5

Bromomethane

Concen: 18.092 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :

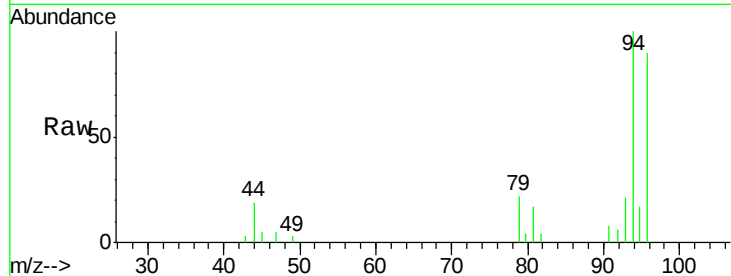
Tot Ion: 94 Resp: 18363

Ion Ratio Lower Upper

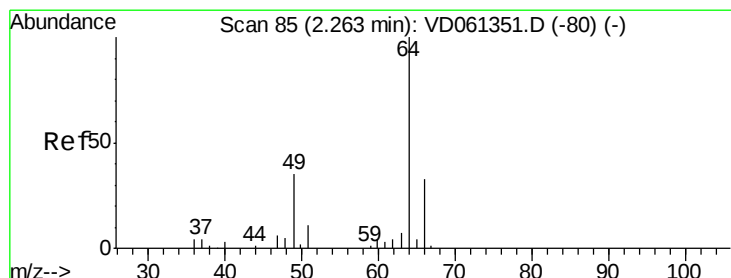
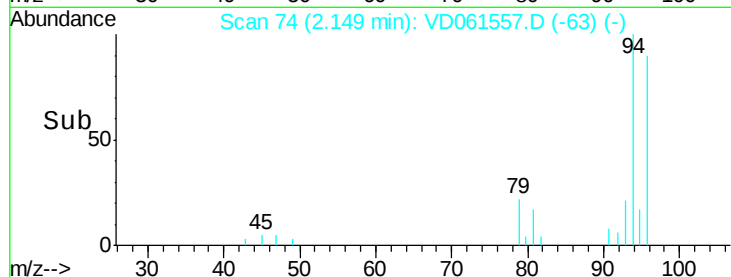
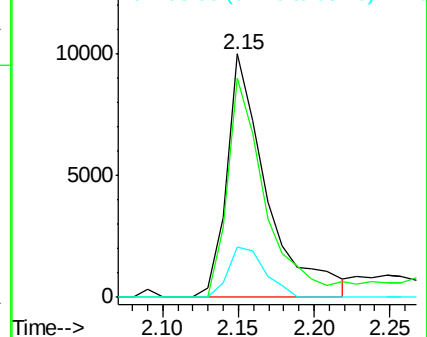
94 100

96 90.0 78.3 117.5

93 20.8 15.6 23.4



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



#6

Chloroethane

Concen: 21.505 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061557.D

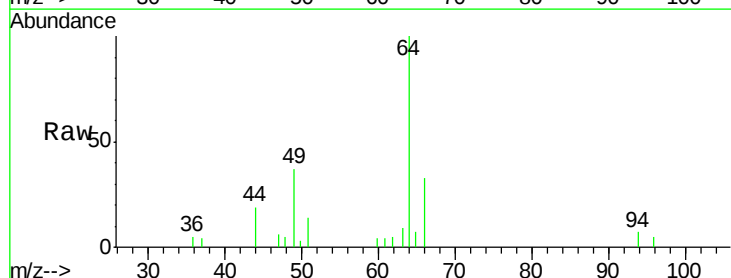
Acq: 3 Apr 2019 15:57

Tgt Ion: 64 Resp: 32280

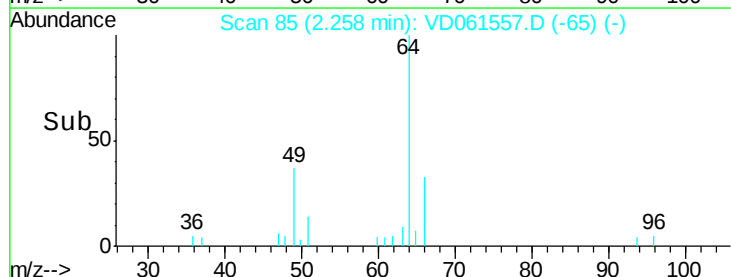
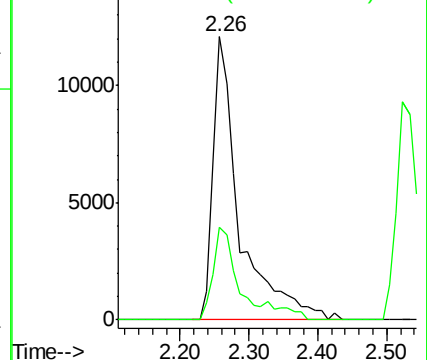
Ion Ratio Lower Upper

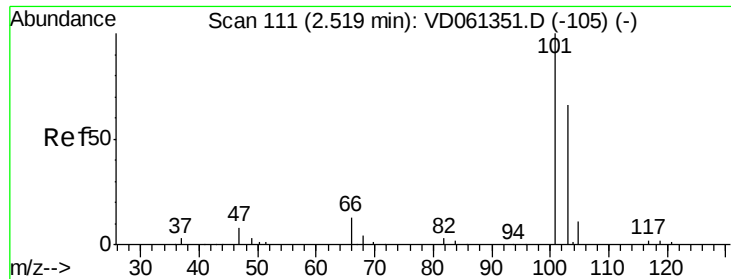
64 100

66 32.7 26.2 39.2



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



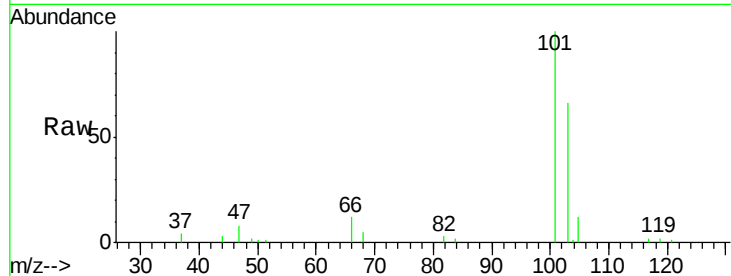


#7

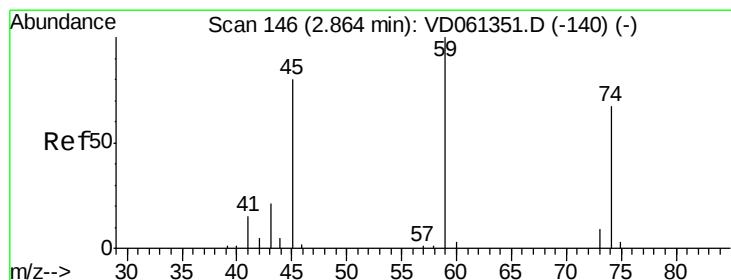
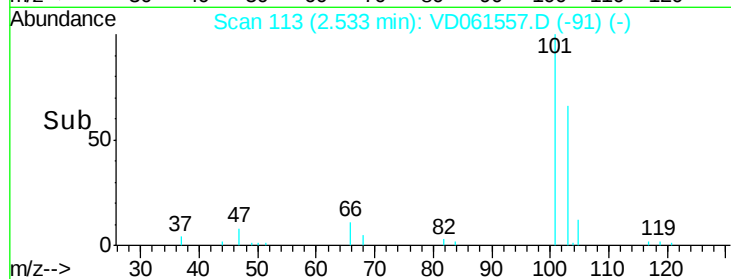
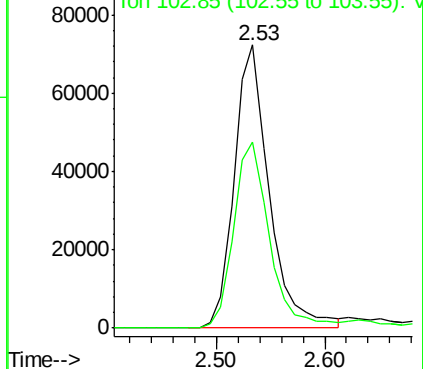
Trichlorofluoromethane
Concen: 21.858 ug/l
RT: 2.53 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:101 Resp: 162688
Ion Ratio Lower Upper
101 100
103 65.7 53.1 79.7



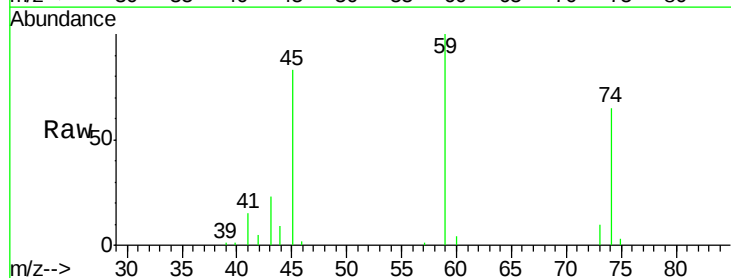
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



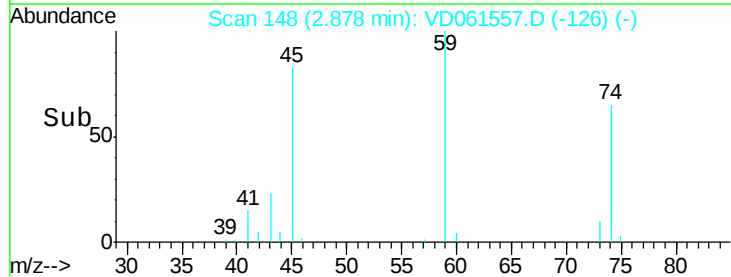
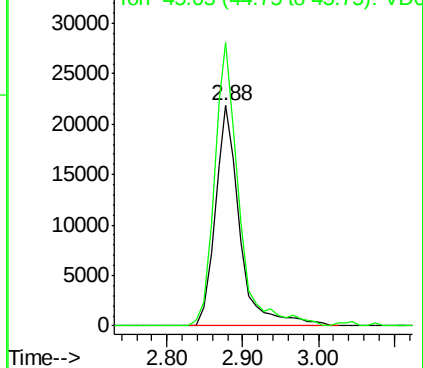
#8

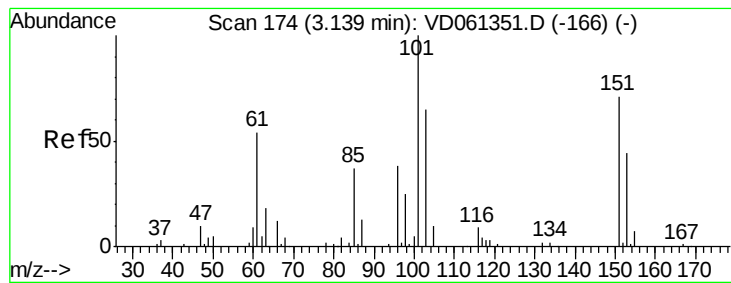
Diethyl Ether
Concen: 20.585 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 74 Resp: 49329
Ion Ratio Lower Upper
74 100
45 128.5 59.7 179.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.808 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampled :

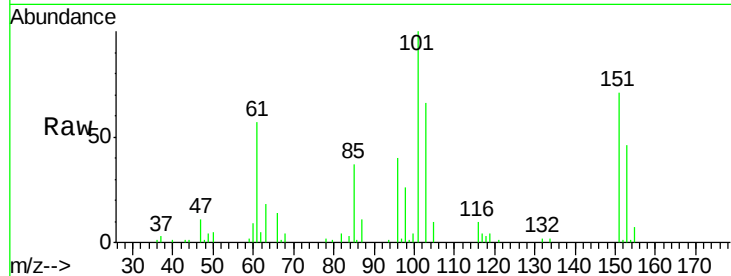
Tot Ion:101 Resp: 174506

Ion Ratio Lower Upper

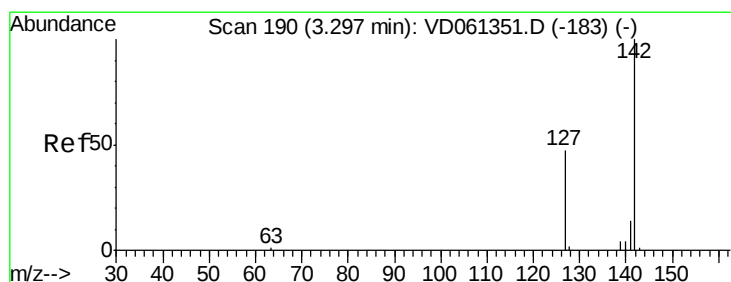
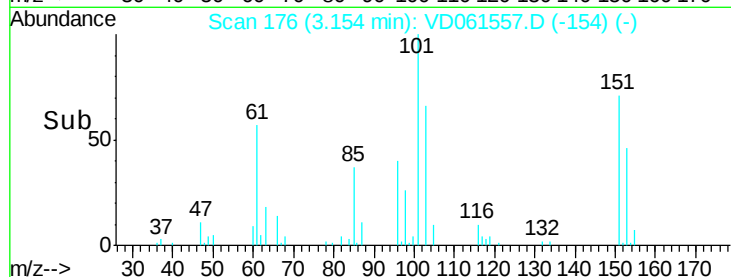
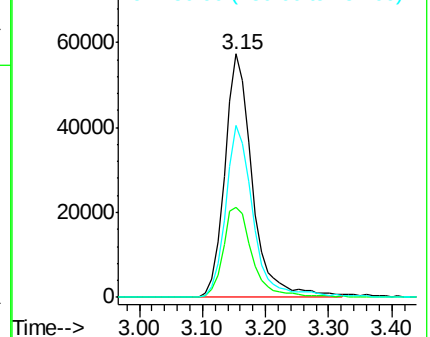
101 100

85 36.9 29.4 44.0

151 70.8 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: 19.217 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

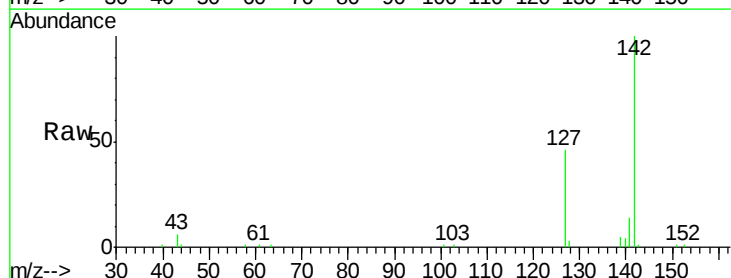
Tgt Ion:142 Resp: 205877

Ion Ratio Lower Upper

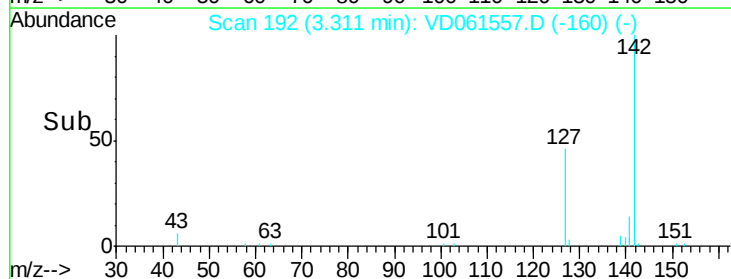
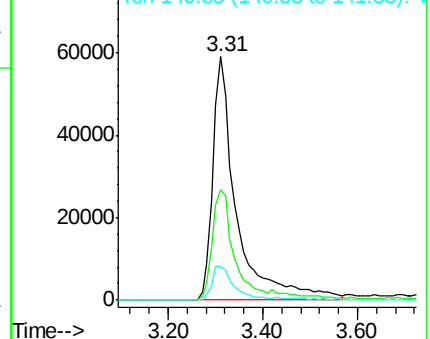
142 100

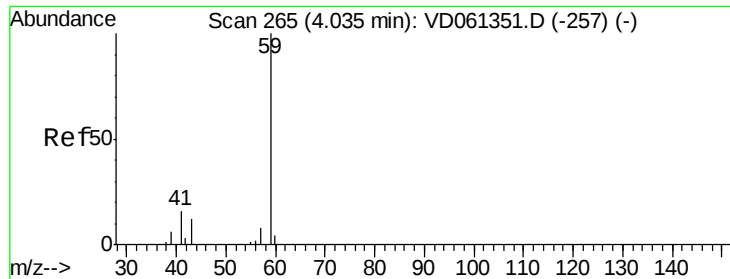
127 45.6 37.7 56.5

141 14.0 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

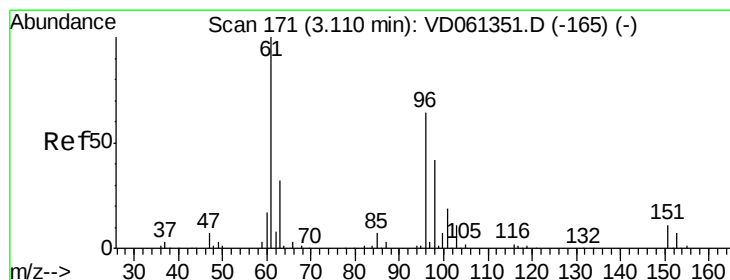
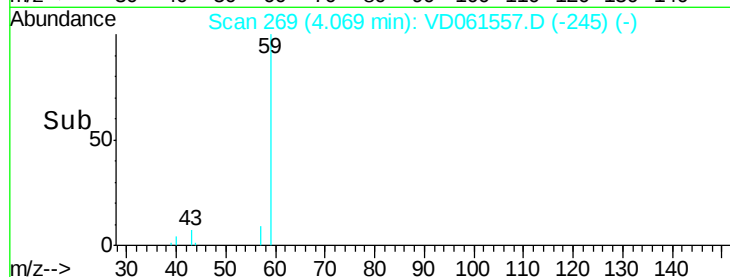
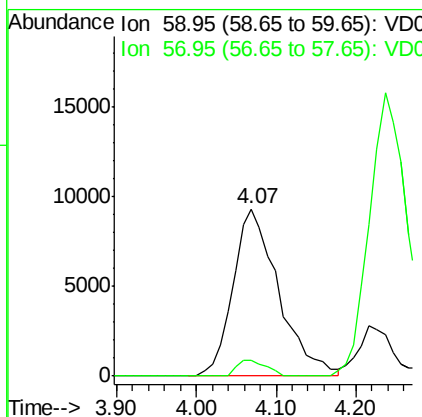
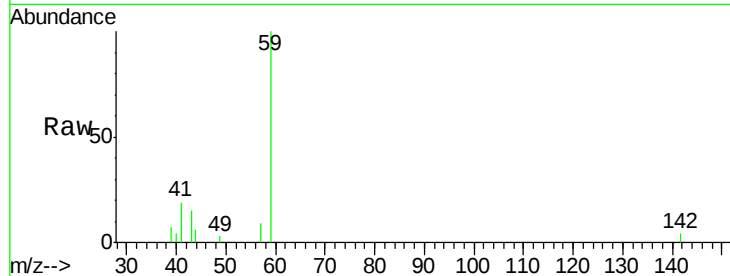




#11
Tert butyl alcohol
Concen: 108.808 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.03 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

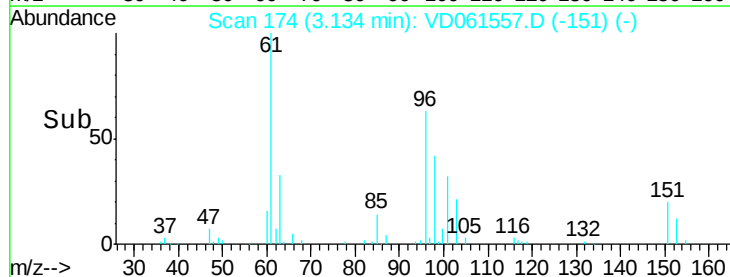
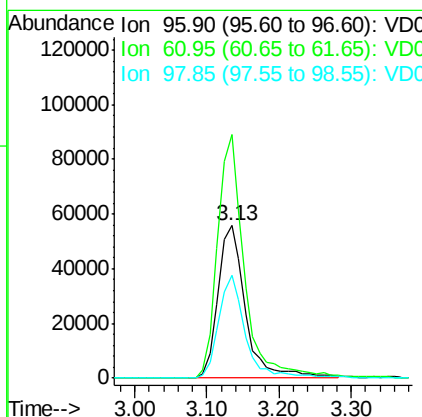
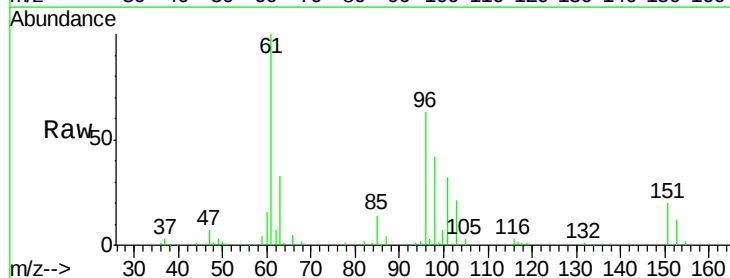
Instrument :
MSVOA_D
ClientSampleId :

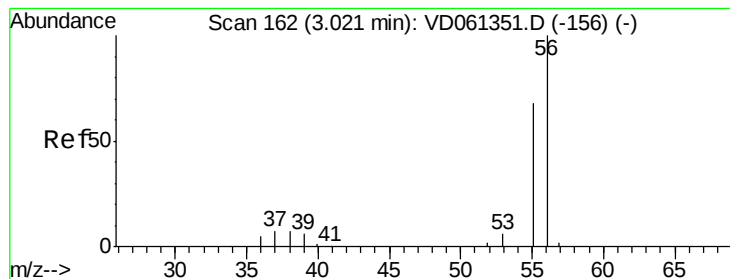
Tot Ion: 59 Resp: 37049
Ion Ratio Lower Upper
59 100
57 9.3 6.7 10.1



#12
1,1-Dichloroethene
Concen: 21.395 ug/l
RT: 3.13 min Scan# 174
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 96 Resp: 146981
Ion Ratio Lower Upper
96 100
61 159.8 124.9 187.3
98 67.4 52.5 78.7





#13

Acrolein

Concen: 66.265 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

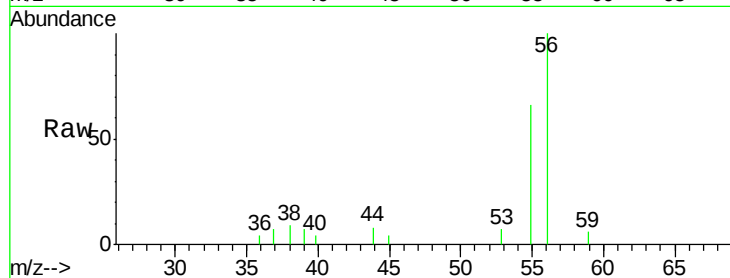
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 21560

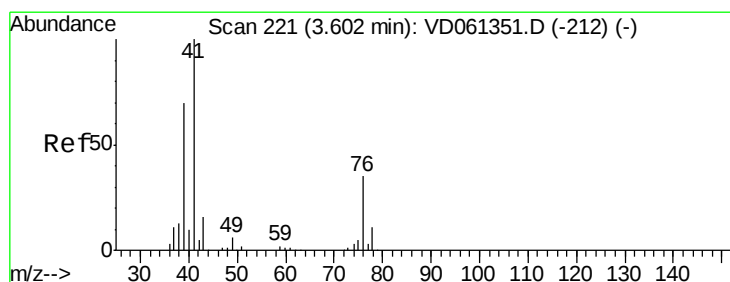
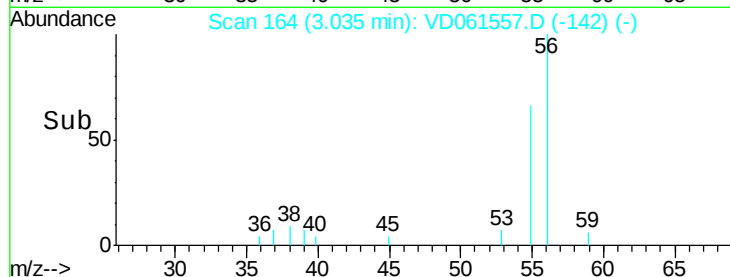
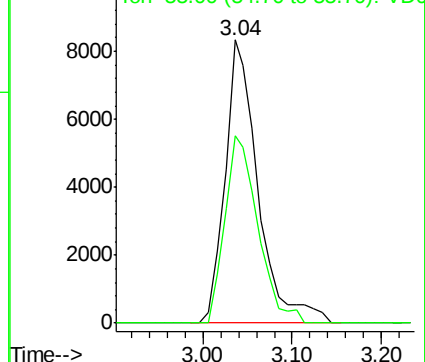
Ion Ratio Lower Upper

56 100

55 66.1 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.079 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

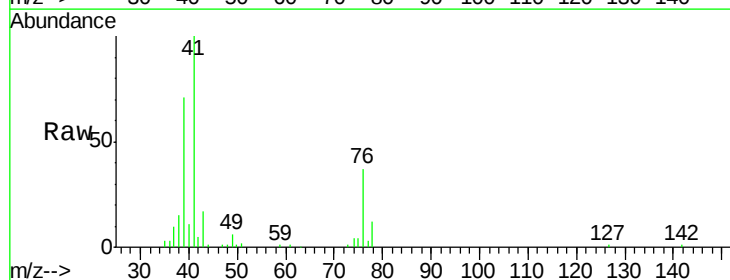
Tgt Ion: 41 Resp: 211563

Ion Ratio Lower Upper

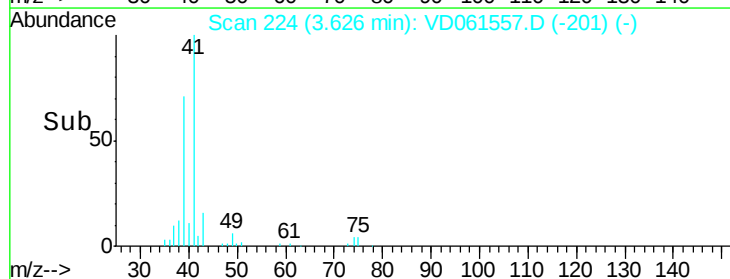
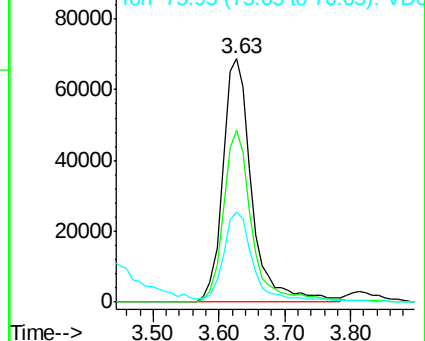
41 100

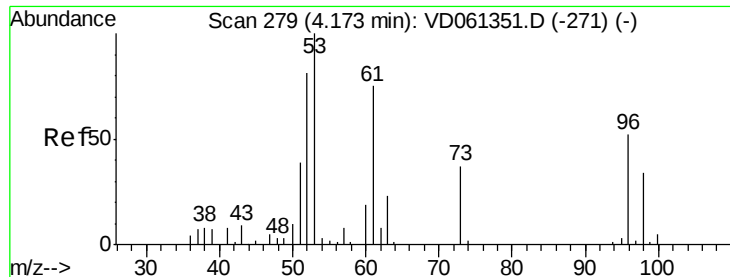
39 70.5 55.6 83.4

76 37.0 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





#15

Acrylonitrile

Concen: 115.777 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampled :

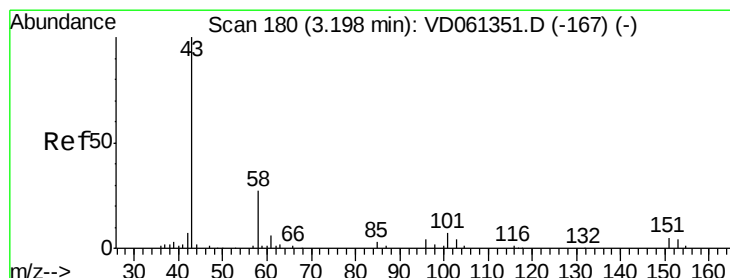
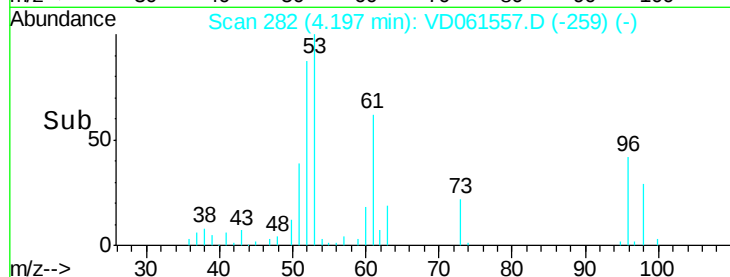
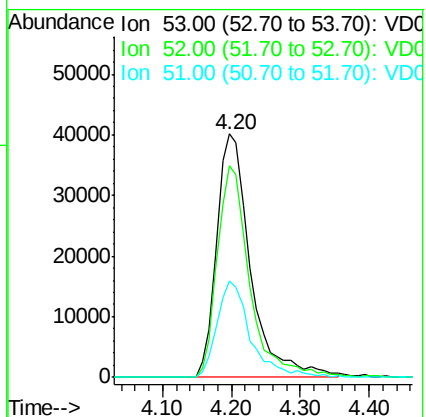
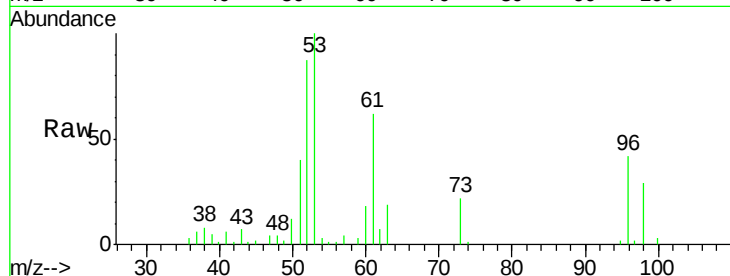
Tot Ion: 53 Resp: 136826

Ion Ratio Lower Upper

53 100

52 87.2 64.8 97.2

51 39.8 31.4 47.2



#16

Acetone

Concen: 109.650 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061557.D

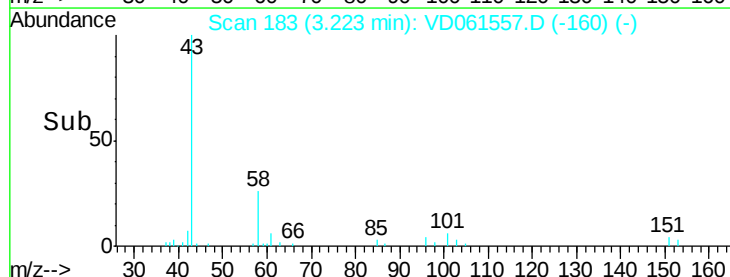
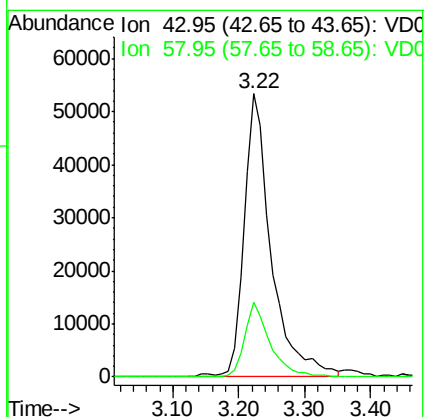
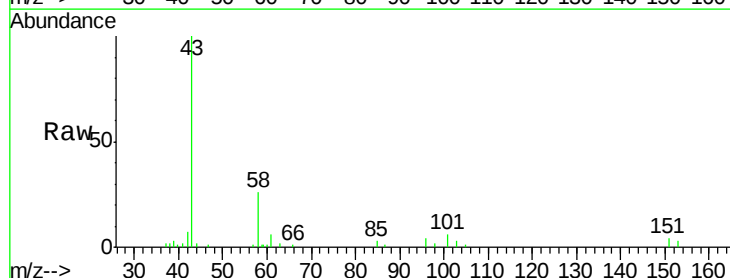
Acq: 3 Apr 2019 15:57

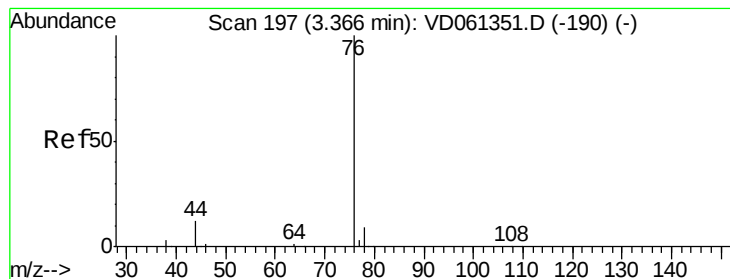
Tgt Ion: 43 Resp: 154114

Ion Ratio Lower Upper

43 100

58 26.4 21.5 32.3





#17

Carbon Disulfide

Concen: 20.140 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

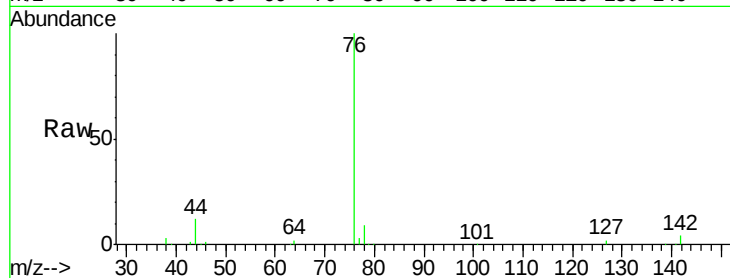
ClientSampleId :

Tot Ion: 76 Resp: 449539

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

200000

150000

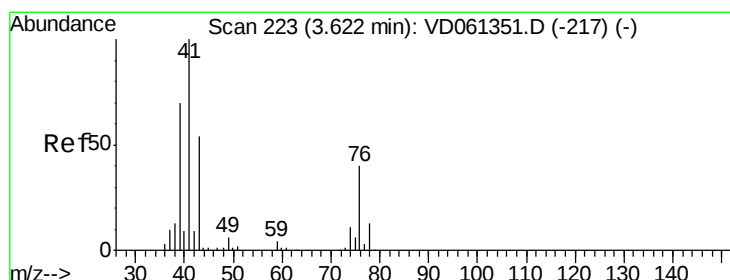
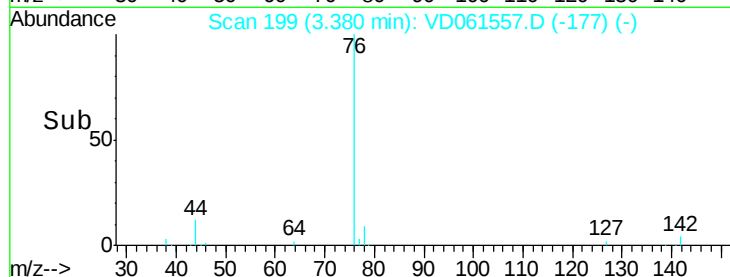
100000

50000

0

3.30 3.40 3.50 3.60

Time-->



#18

Methyl Acetate

Concen: 22.953 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061557.D

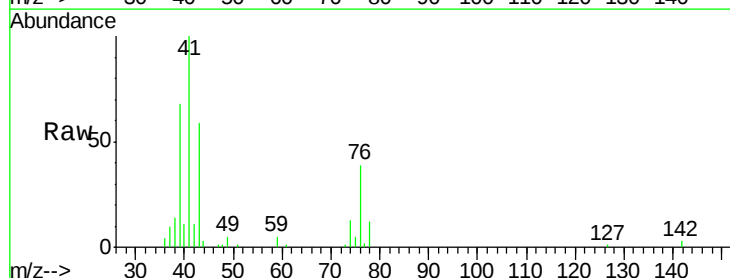
Acq: 3 Apr 2019 15:57

Tgt Ion: 43 Resp: 67830

Ion Ratio Lower Upper

43 100

74 22.9 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

25000

20000

15000

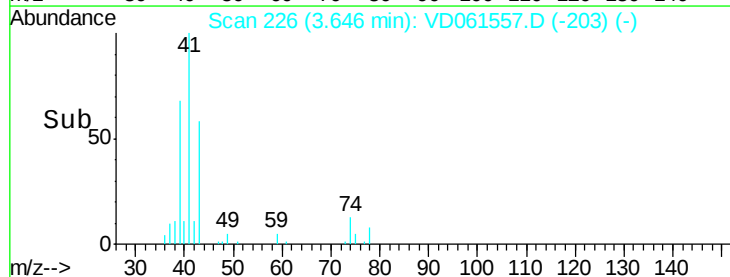
10000

5000

0

3.50 3.60 3.70 3.80

Time-->

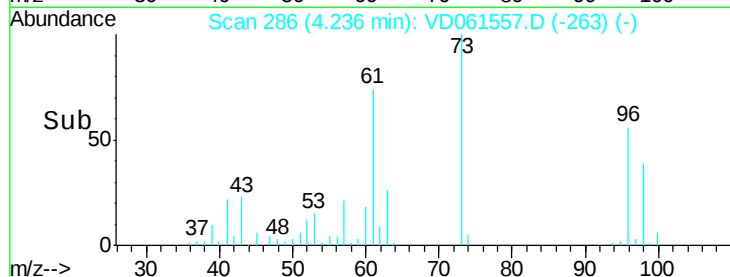
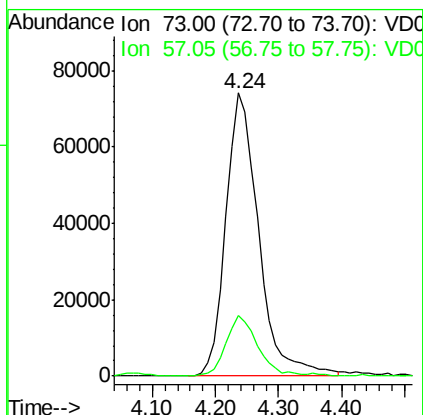
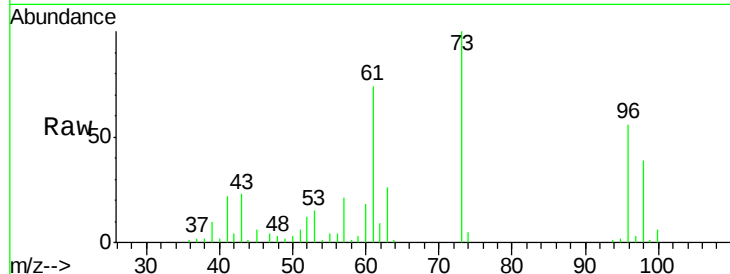




#19
Methvl tert-butvl Ether
Concen: 22.483 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

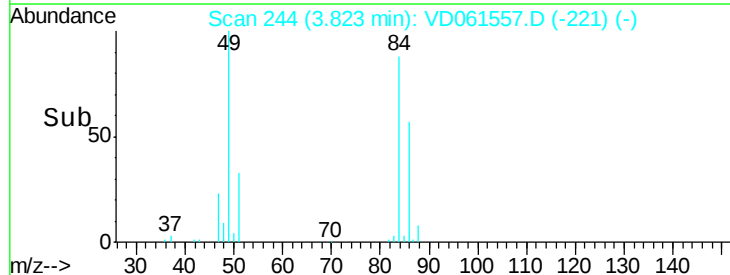
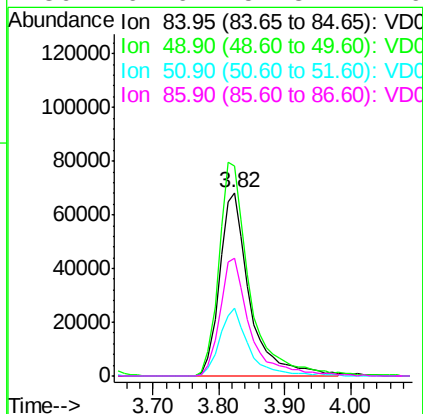
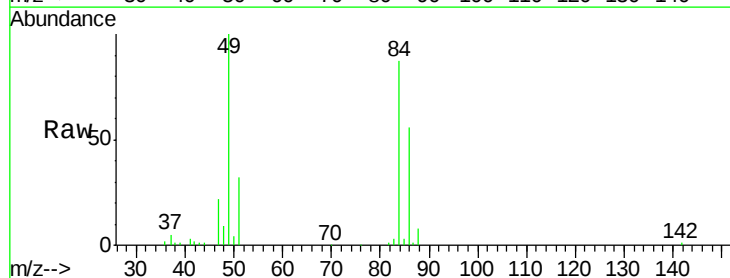
Instrument :
MSVOA_D
ClientSampled :

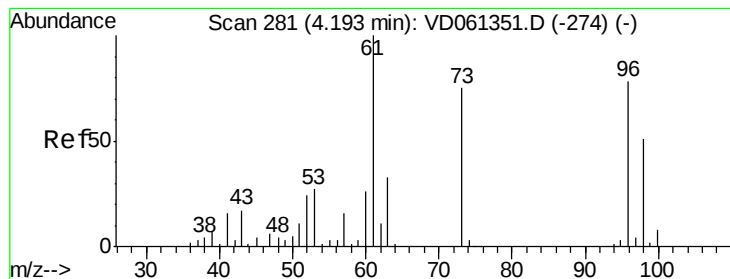
Tot Ion: 73 Resp: 267367
Ion Ratio Lower Upper
73 100
57 21.3 16.4 24.6



#20
Methylene Chloride
Concen: 26.587 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 84 Resp: 216414
Ion Ratio Lower Upper
84 100
49 114.9 91.8 137.8
51 37.3 29.8 44.8
86 64.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 22.452 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampled :

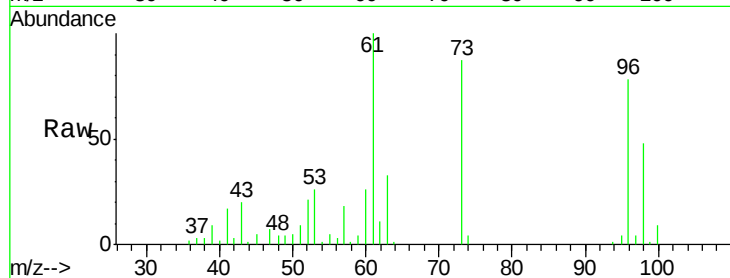
Tot Ion: 96 Resp: 166526

Ion Ratio Lower Upper

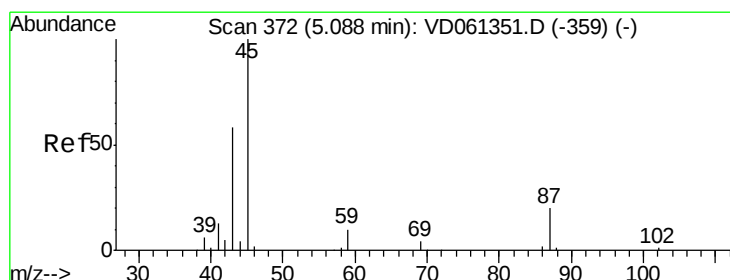
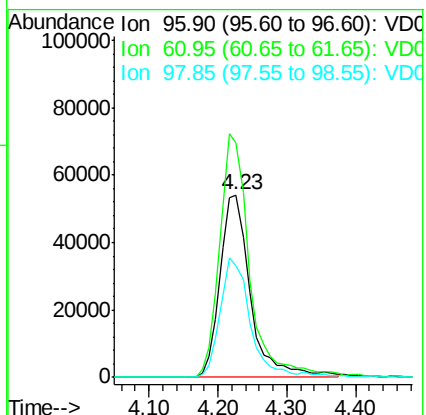
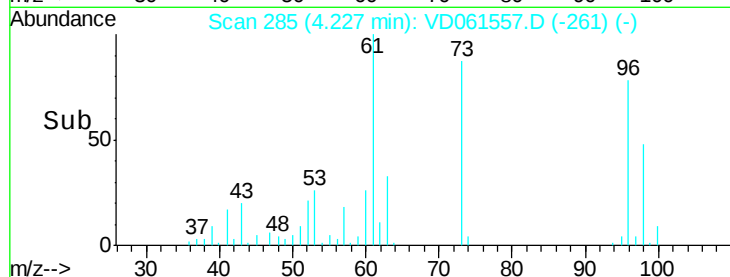
96 100

61 128.6 102.7 154.1

98 61.1 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: 24.058 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Tgt Ion: 45 Resp: 487826

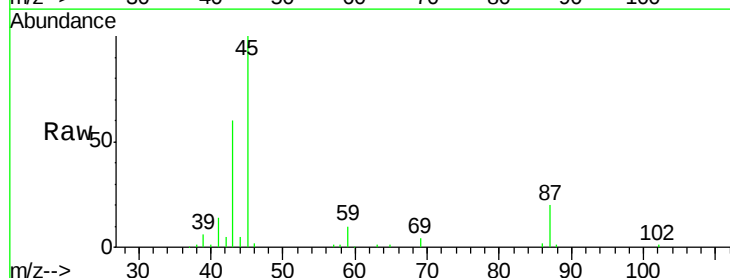
Ion Ratio Lower Upper

45 100

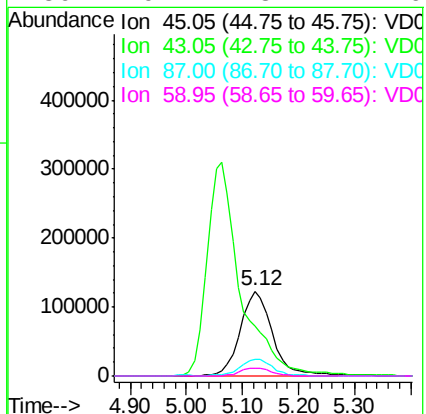
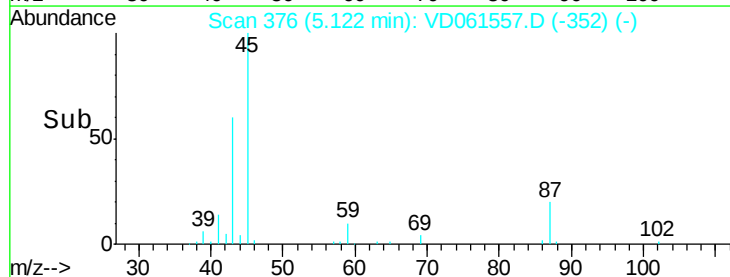
43 59.7 47.4 71.2

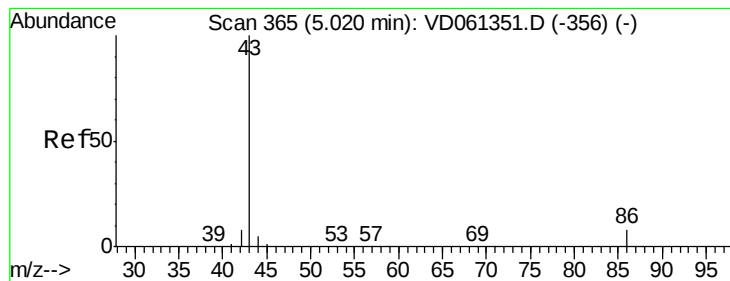
87 19.9 16.3 24.5

59 9.7 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: 115.719 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.04 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

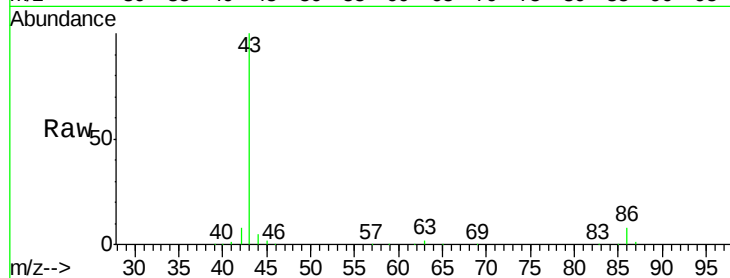
ClientSampleId :

Tot Ion: 43 Resp: 1274578

Ion Ratio Lower Upper

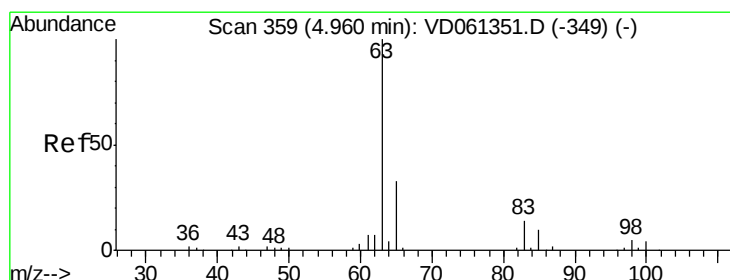
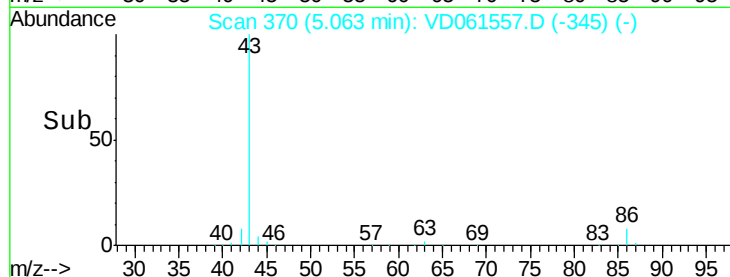
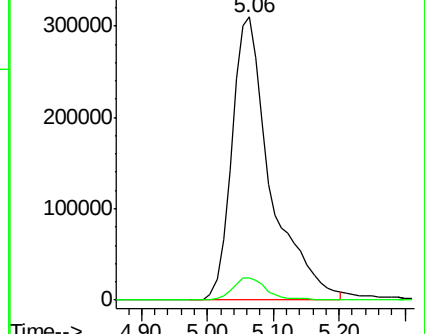
43 100

86 8.0 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: 22.111 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

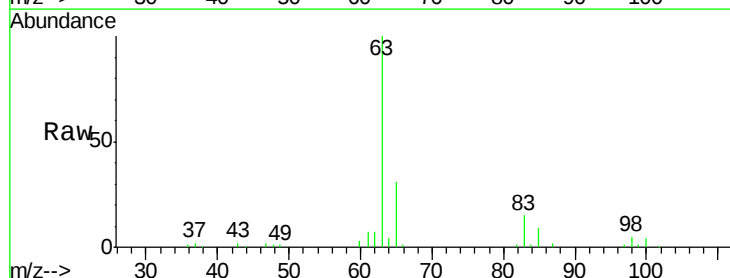
Tgt Ion: 63 Resp: 263485

Ion Ratio Lower Upper

63 100

98 5.2 2.6 8.0

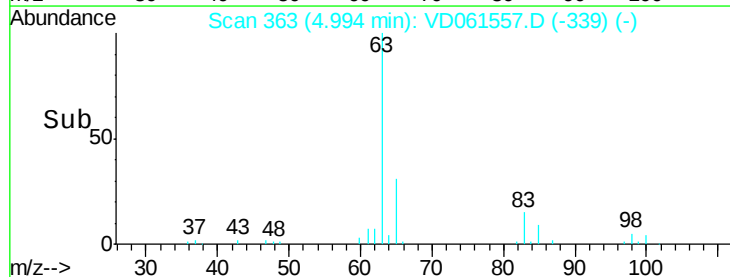
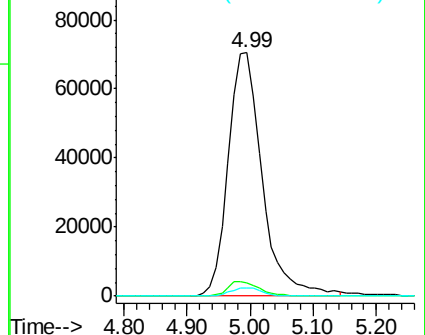
100 3.6 1.8 5.3

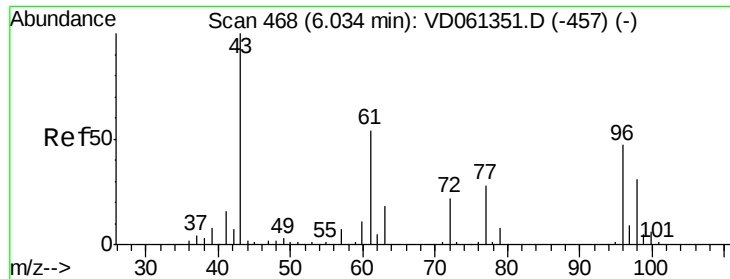


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 109.874 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

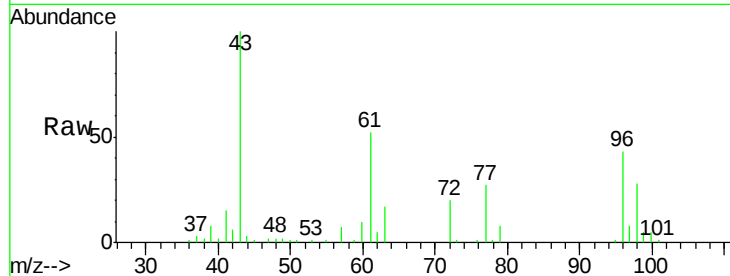
ClientSampleId :

Tot Ion: 43 Resp: 194259

Ion Ratio Lower Upper

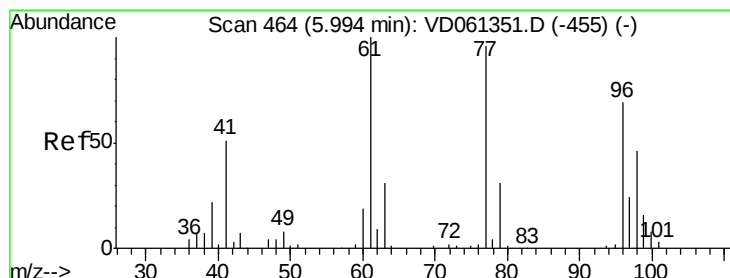
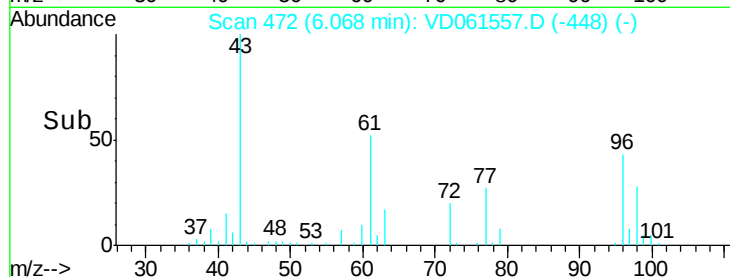
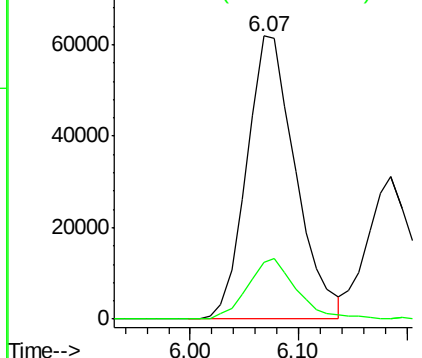
43 100

72 20.0 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 23.021 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD061557.D

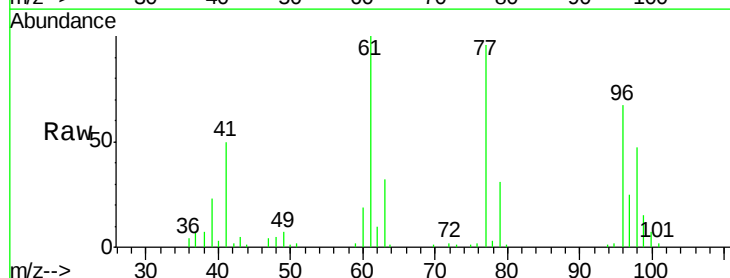
Acq: 3 Apr 2019 15:57

Tgt Ion: 77 Resp: 218075

Ion Ratio Lower Upper

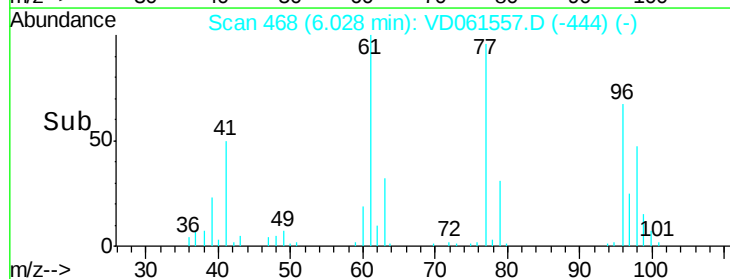
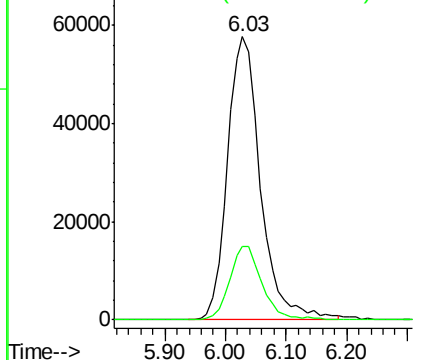
77 100

97 25.9 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



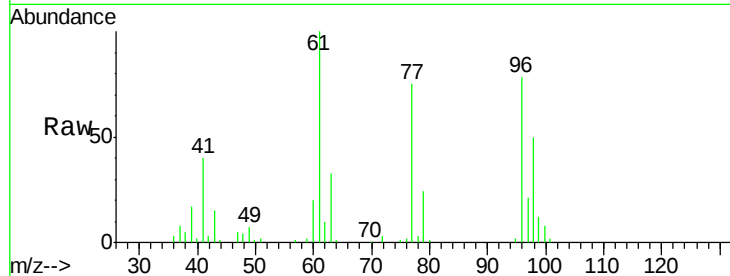


#27

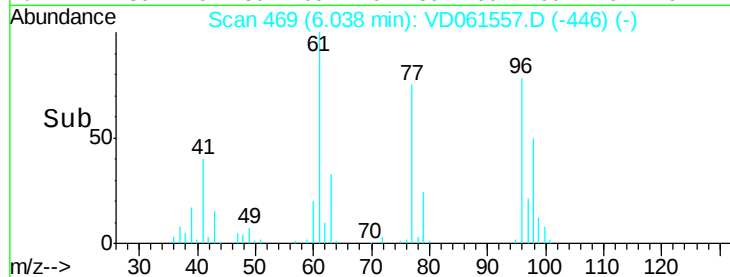
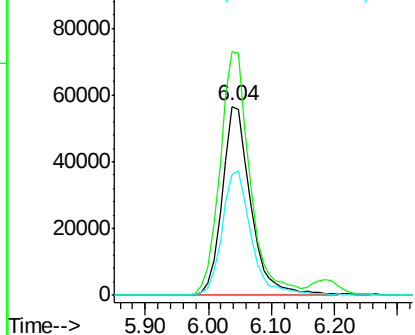
cis-1,2-Dichloroethene
Concen: 21.985 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 178656
Ion Ratio Lower Upper
96 100
61 128.7 0.0 251.6
98 64.0 0.0 129.2



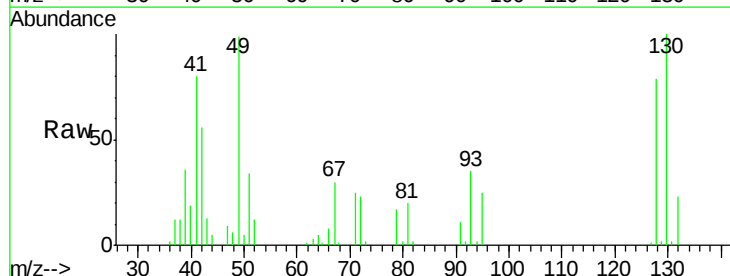
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



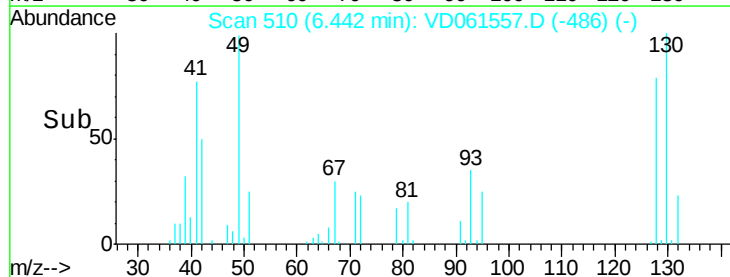
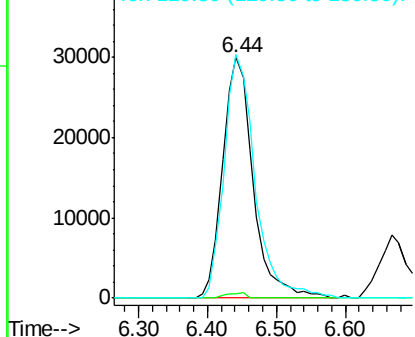
#28

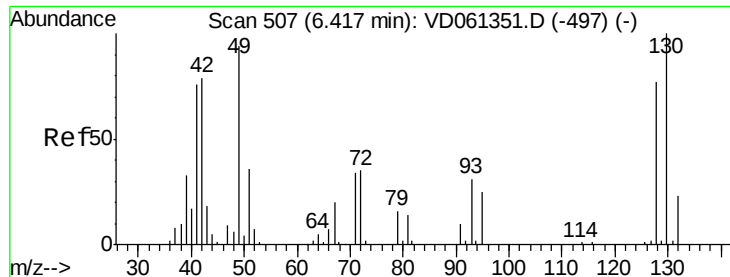
Bromochloromethane
Concen: 19.096 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 49 Resp: 91861
Ion Ratio Lower Upper
49 100
129 1.9 0.0 0.0#
130 101.0 78.4 117.6



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

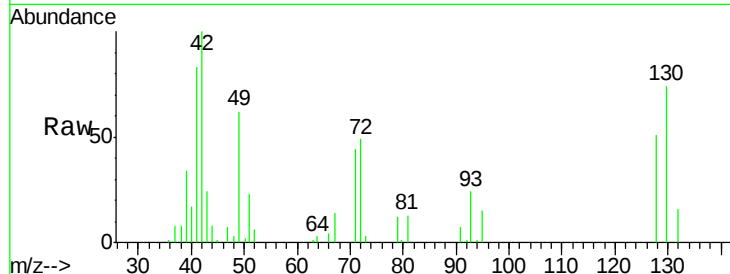




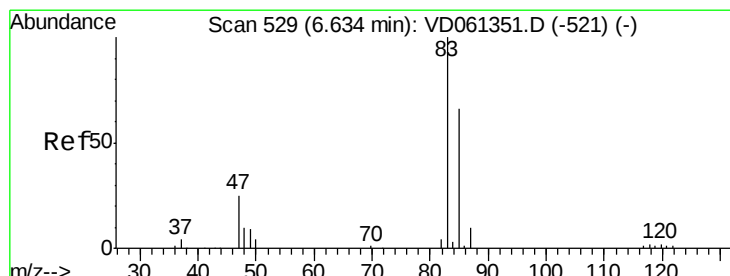
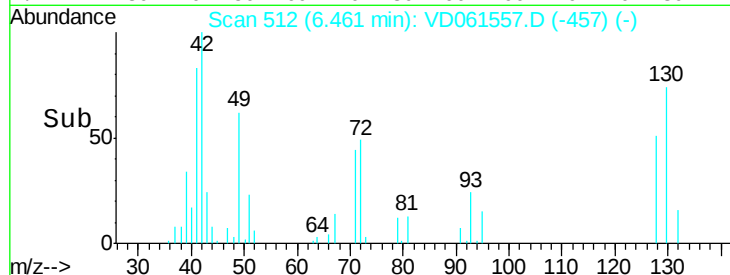
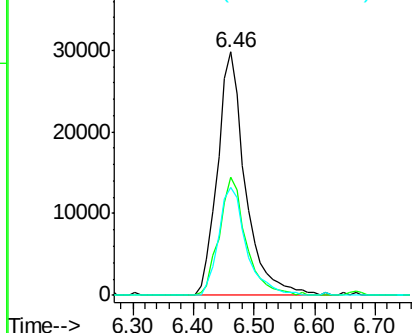
#29
Tetrahydrofuran
Concen: 111.092 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 95200
Ion Ratio Lower Upper
42 100
72 46.6 37.4 56.0
71 44.3 36.7 55.1

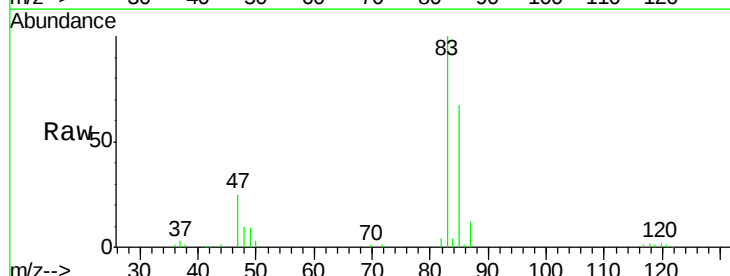


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

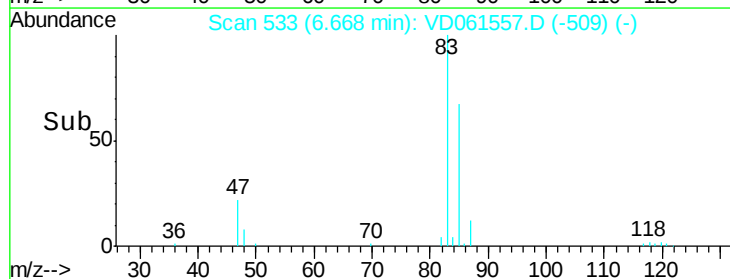
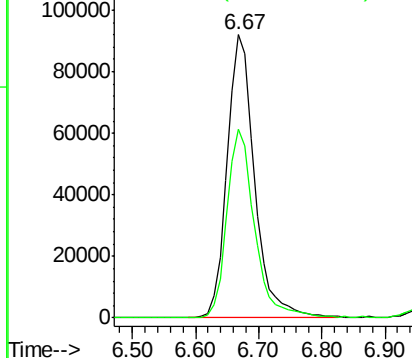


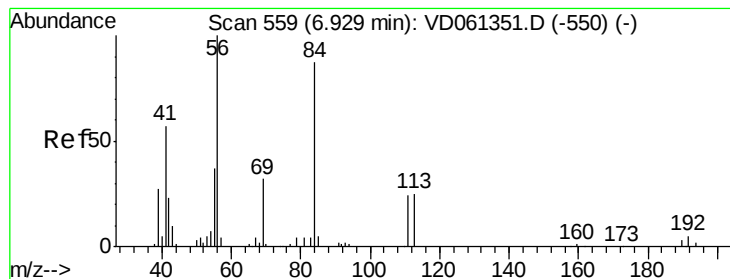
#30
Chloroform
Concen: 22.533 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.03 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 83 Resp: 277452
Ion Ratio Lower Upper
83 100
85 66.6 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 21.172 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampled :

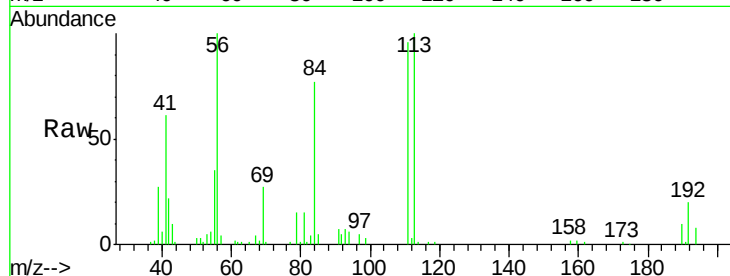
Tot Ion: 56 Resp: 199380

Ion Ratio Lower Upper

56 100

69 27.1 25.7 38.5

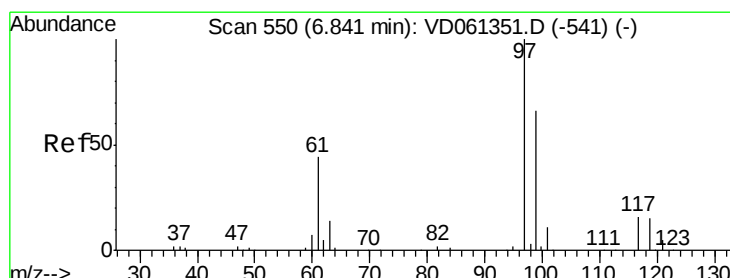
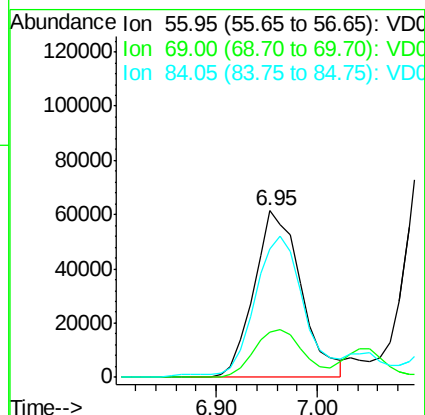
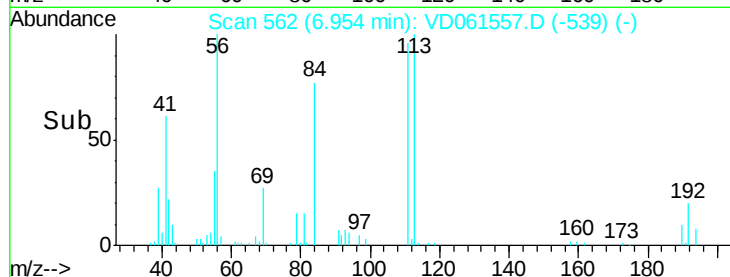
84 77.5 70.6 105.8



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: 22.657 ug/l

RT: 6.87 min Scan# 554

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

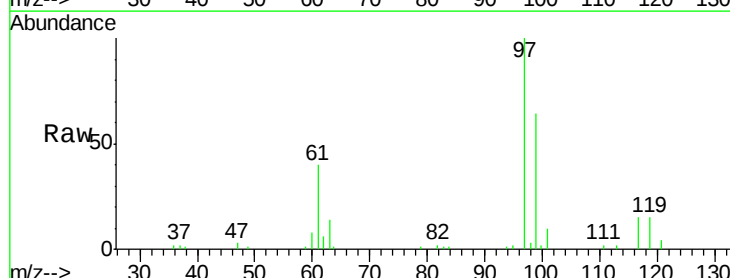
Tgt Ion: 97 Resp: 246123

Ion Ratio Lower Upper

97 100

99 64.2 53.1 79.7

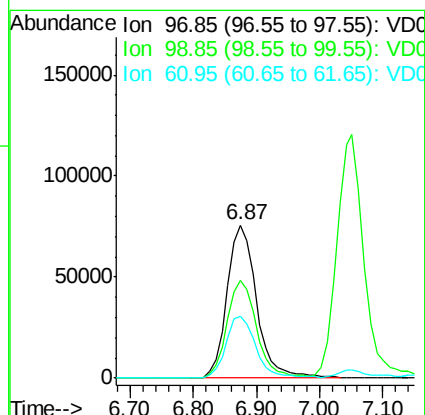
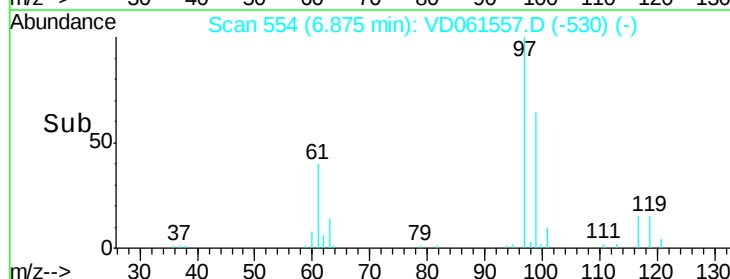
61 40.0 35.5 53.3

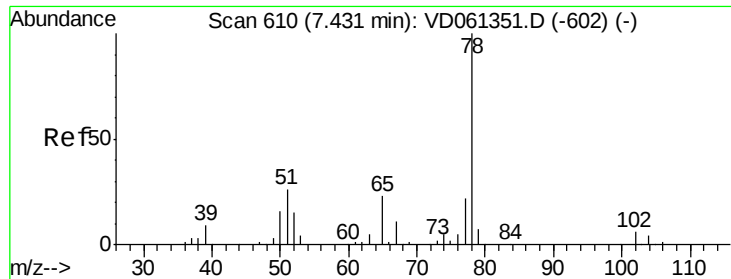


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

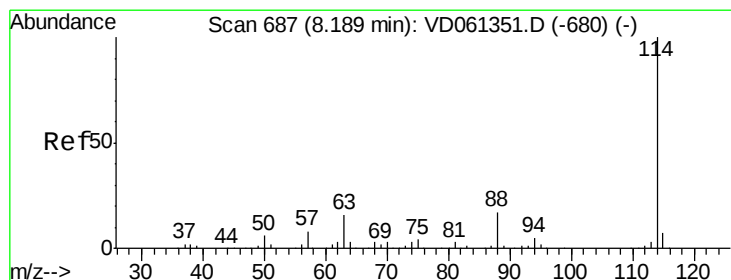
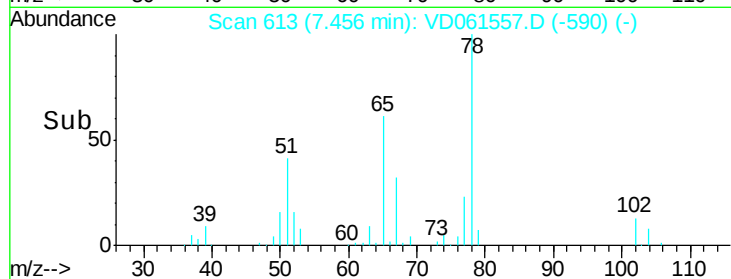
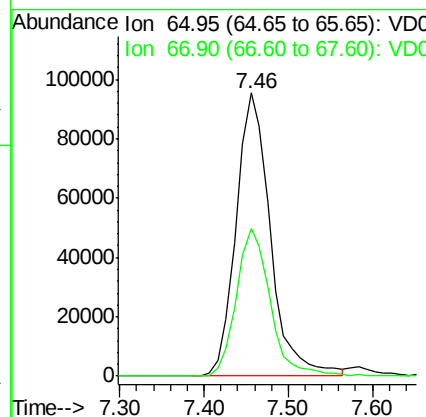
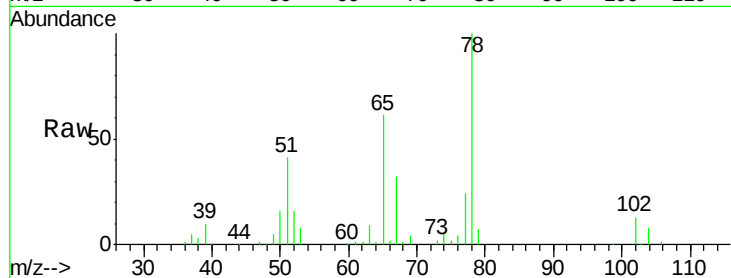




#33
 1,2-Dichloroethane-d4
 Concen: 22.657 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

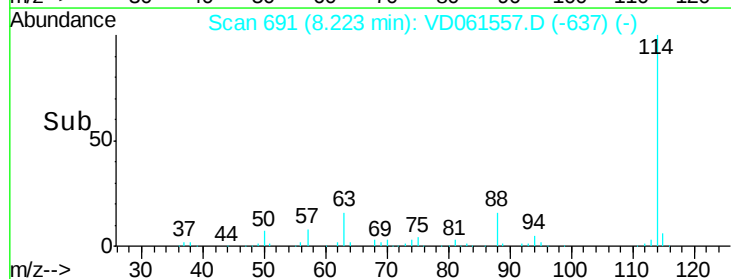
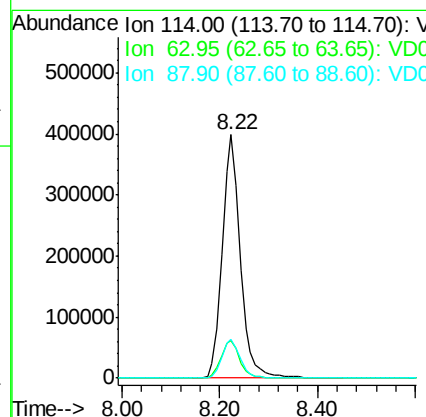
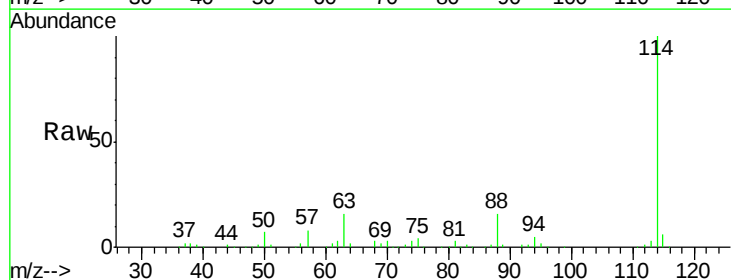
Instrument :
 MSVOA_D
 ClientSampled :

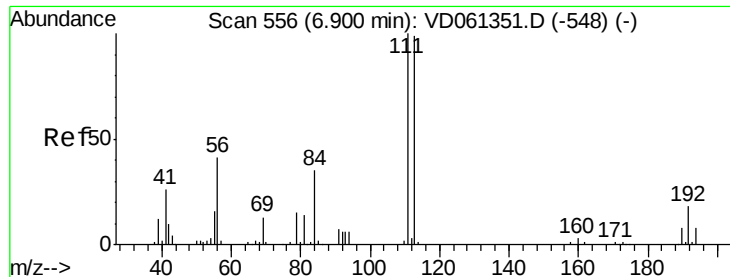
Tot Ion: 65 Resp: 271479
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion: 114 Resp: 1029945
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.6
 88 16.1 0.0 33.4

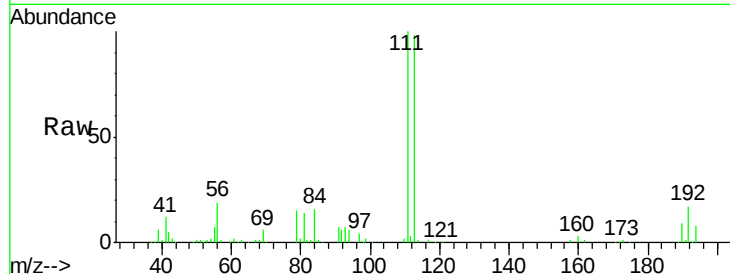




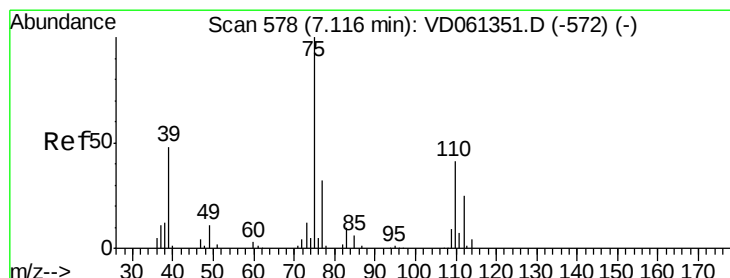
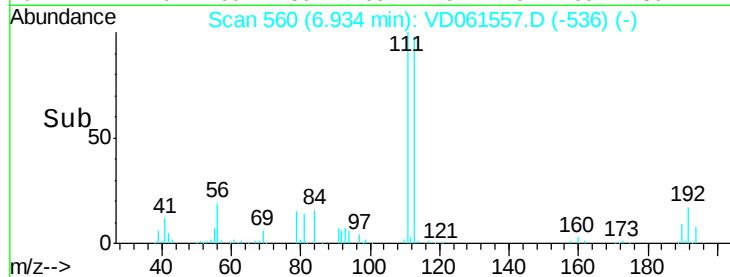
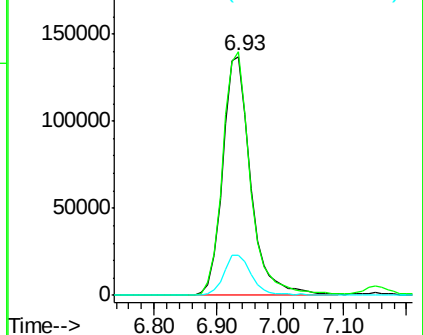
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 421700
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.0 121.6
 192 16.9 14.4 21.6

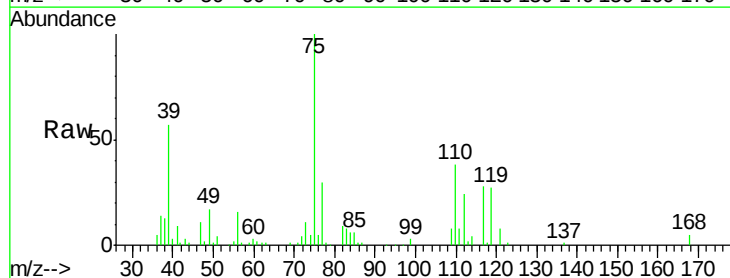


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

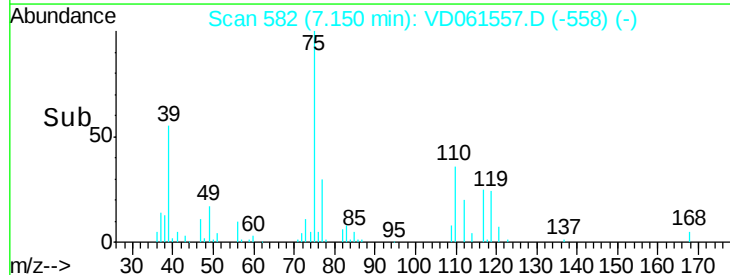
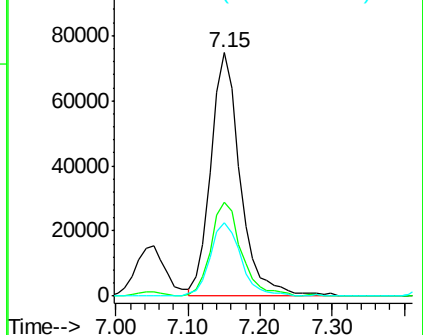


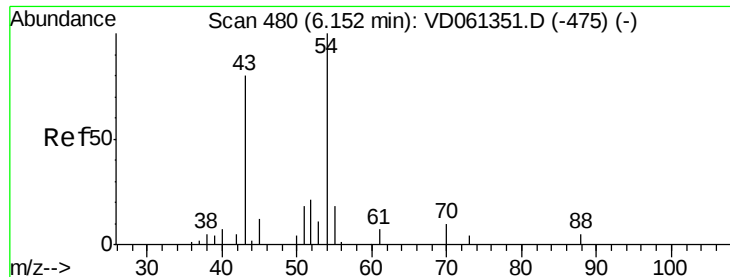
#36
 1,1-Dichloropropene
 Concen: 23.452 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.03 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion: 75 Resp: 210814
 Ion Ratio Lower Upper
 75 100
 110 38.3 20.4 61.3
 77 30.4 24.9 37.3



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

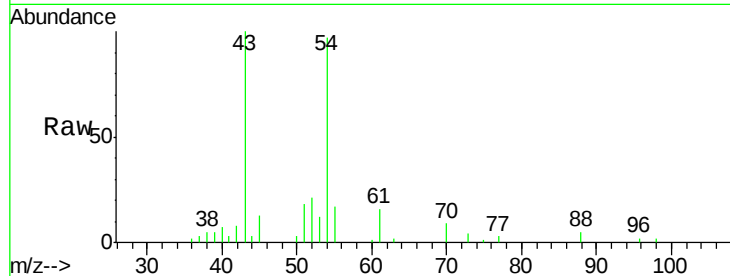




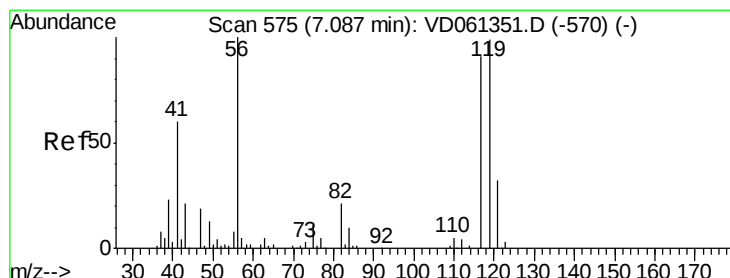
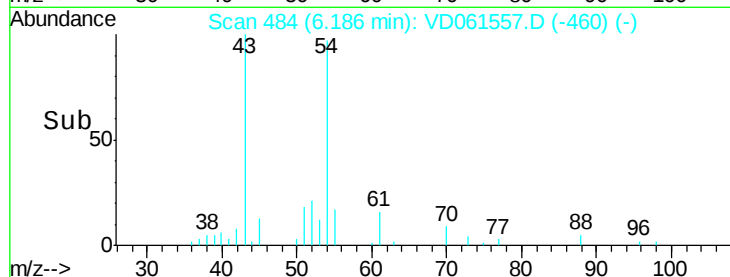
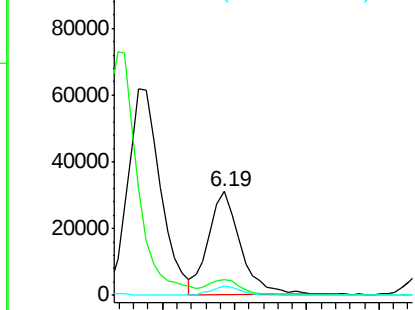
#37
Ethyl Acetate
Concen: 24.817 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 95408
Ion Ratio Lower Upper
43 100
61 15.8 13.8 20.8
70 9.0 7.8 11.8

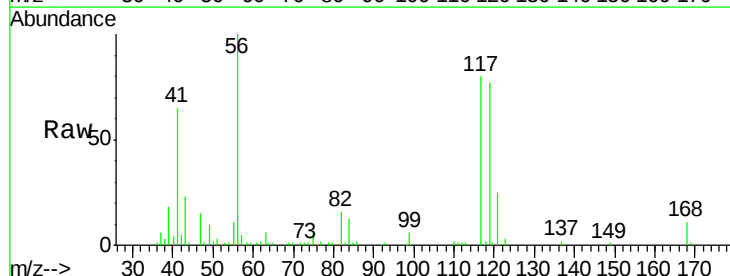


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

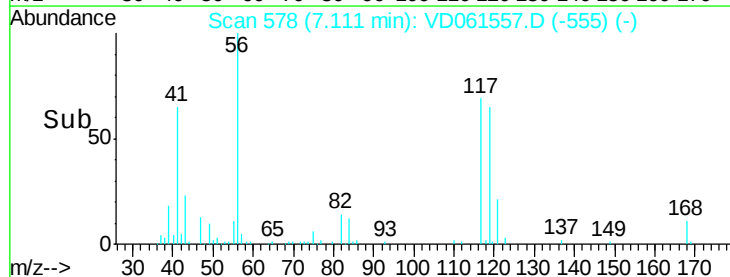
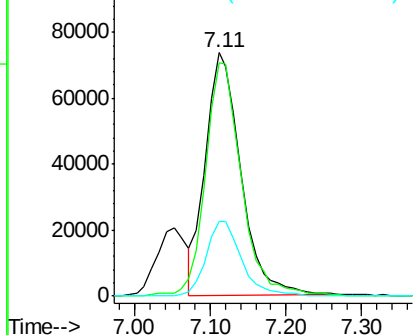


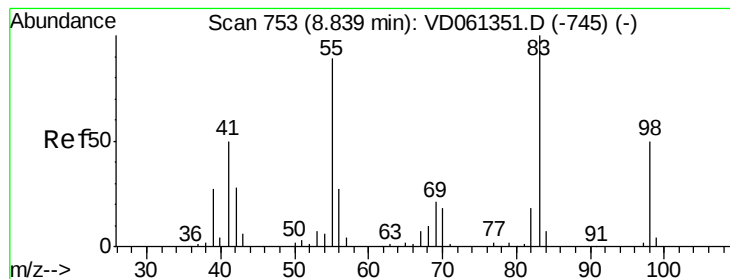
#38
Carbon Tetrachloride
Concen: 23.324 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 117 Resp: 240918
Ion Ratio Lower Upper
117 100
119 96.0 80.1 120.1
121 30.6 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: 23.883 ug/l

RT: 8.86 min Scan# 756

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

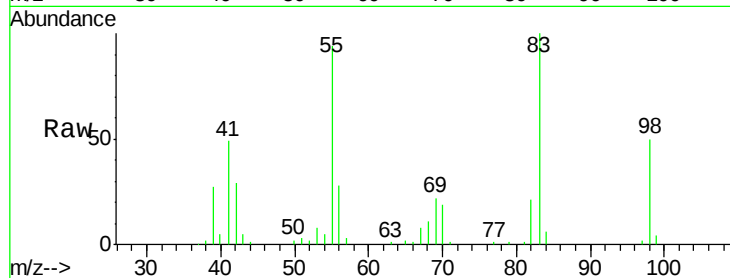
Tot Ion: 83 Resp: 223598

Ion Ratio Lower Upper

83 100

55 93.8 71.5 107.3

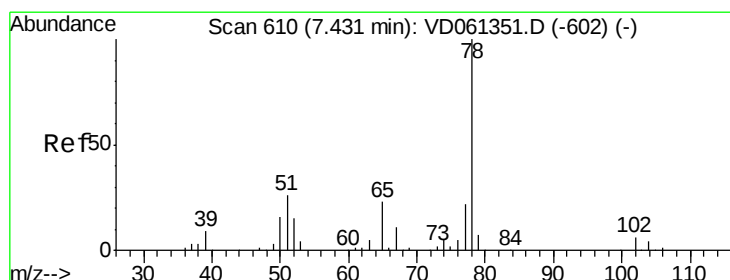
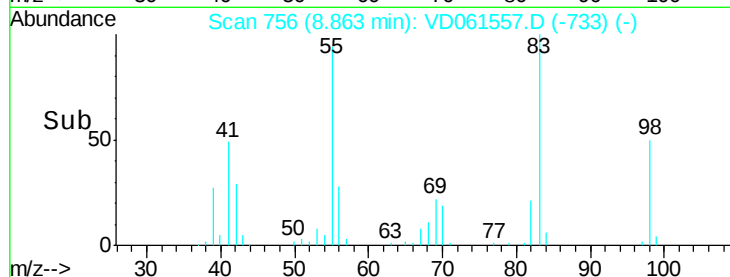
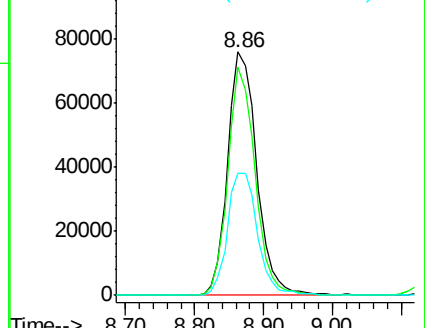
98 50.4 40.3 60.5



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: 21.313 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061557.D

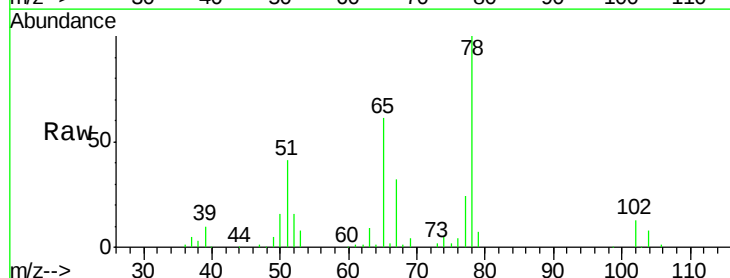
Acq: 3 Apr 2019 15:57

Tgt Ion: 78 Resp: 480831

Ion Ratio Lower Upper

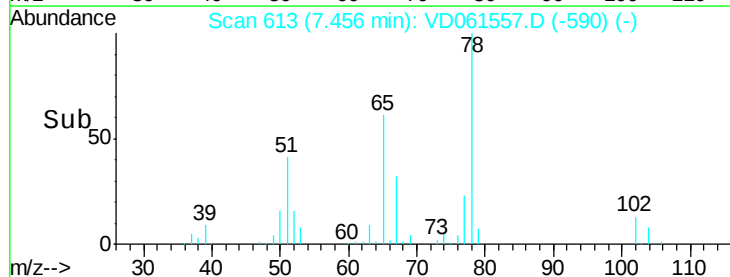
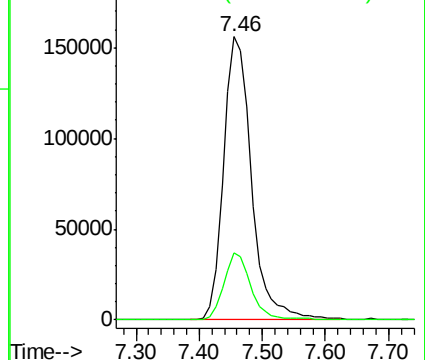
78 100

77 23.7 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

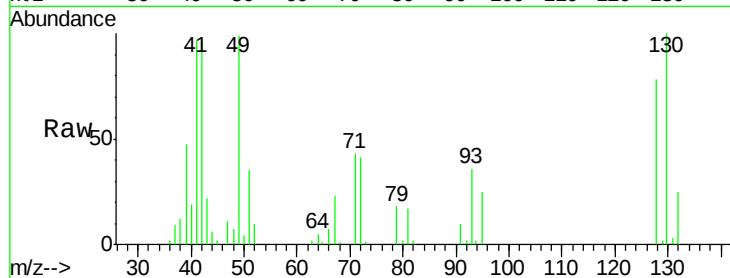




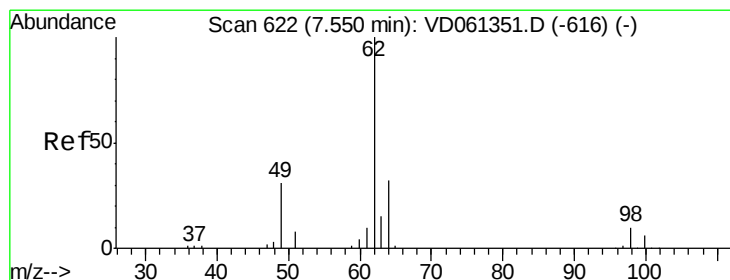
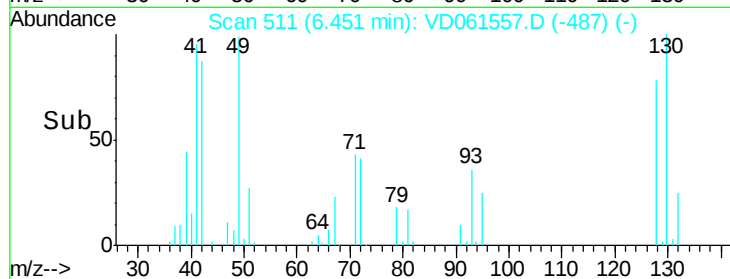
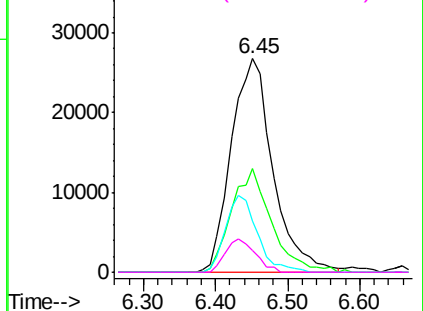
#41
Methacrylonitrile
Concen: 23.992 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 107846
Ion Ratio Lower Upper
41 100
39 48.5 35.0 52.6
67 23.8 21.0 31.6
52 10.0 7.7 11.5

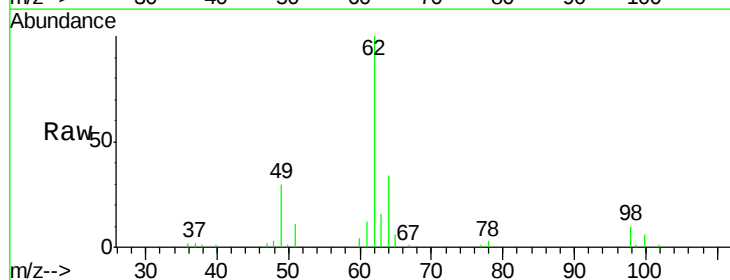


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

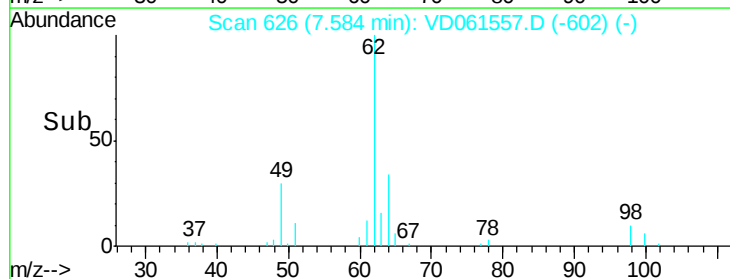
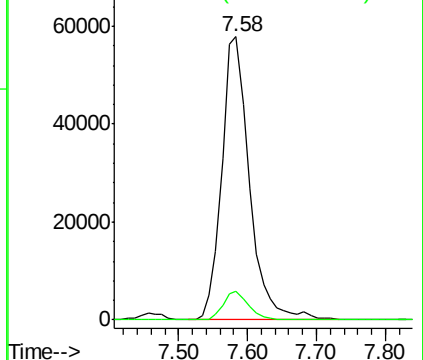


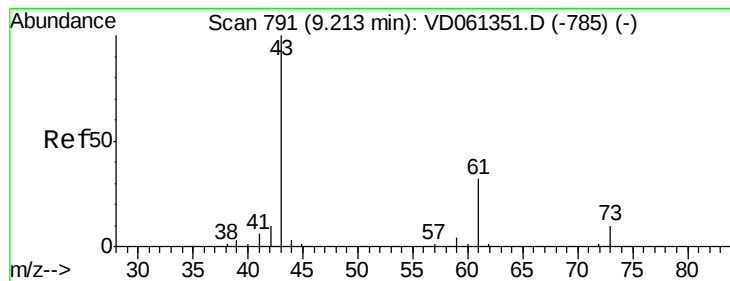
#42
1,2-Dichloroethane
Concen: 23.974 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 62 Resp: 161784
Ion Ratio Lower Upper
62 100
98 10.3 0.0 19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



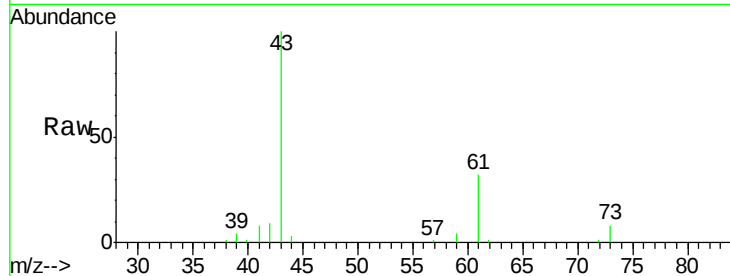


#43

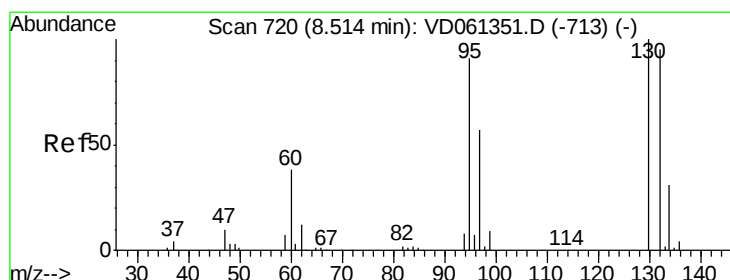
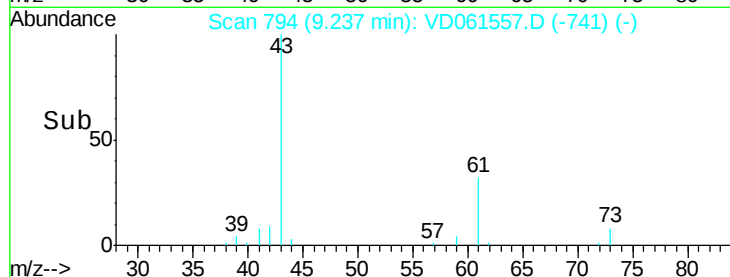
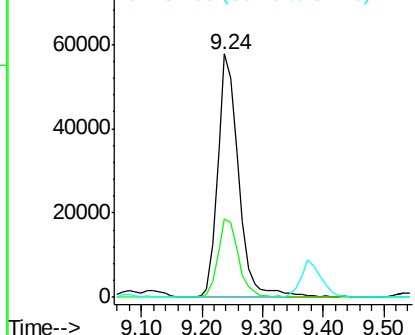
Isopropyl Acetate
 Concen: 24.629 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.02 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 137766
 Ion Ratio Lower Upper
 43 100
 61 32.4 25.8 38.6
 87 0.0 0.0 0.0



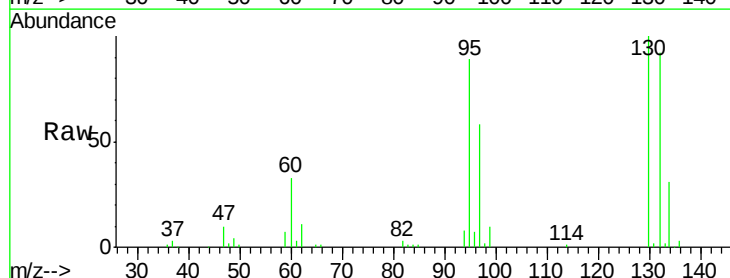
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



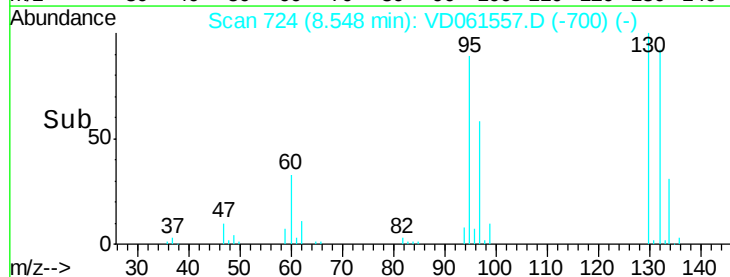
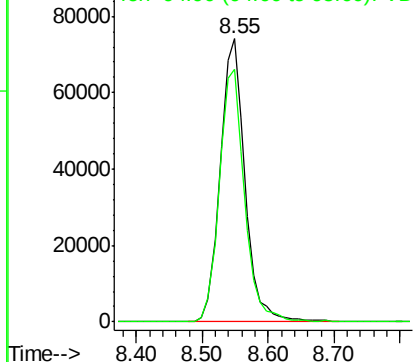
#44

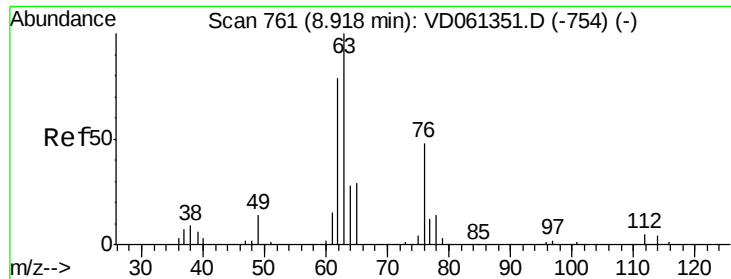
Trichloroethene
 Concen: 23.043 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.03 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion: 130 Resp: 193465
 Ion Ratio Lower Upper
 130 100
 95 89.1 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: 22.006 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

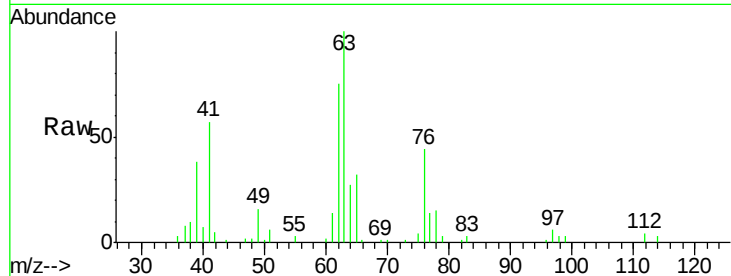
ClientSampled :

Tot Ion: 63 Resp: 125885

Ion Ratio Lower Upper

63 100

65 31.5 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

50000

40000

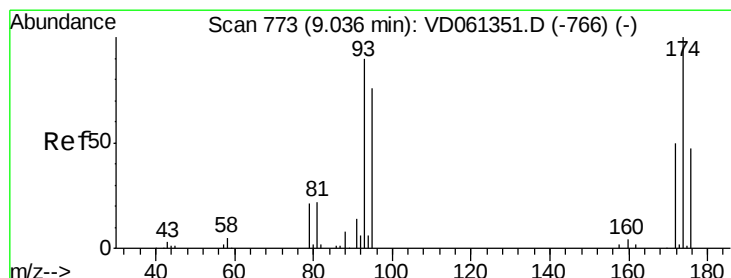
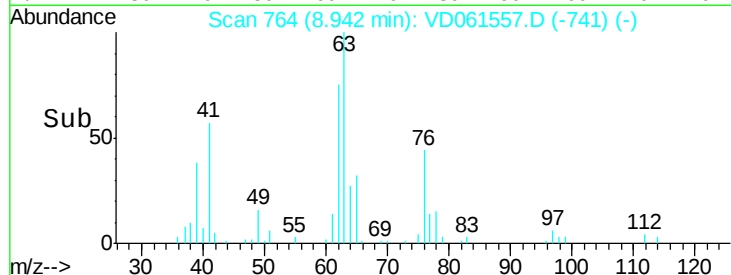
30000

20000

10000

0

Time--> 8.70 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 23.535 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

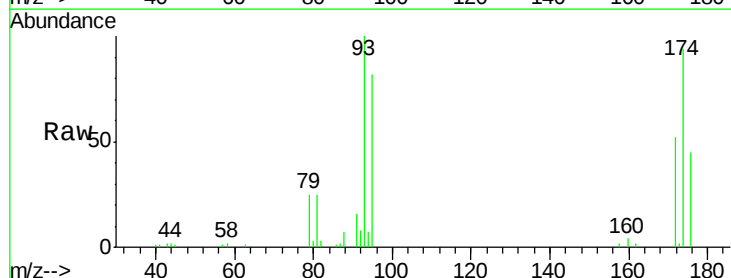
Tgt Ion: 93 Resp: 90617

Ion Ratio Lower Upper

93 100

95 82.0 67.4 101.0

174 93.7 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.06

50000

40000

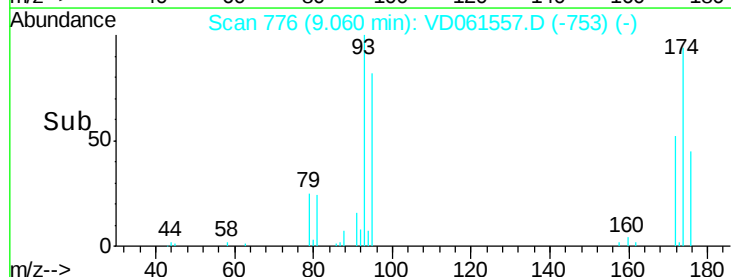
30000

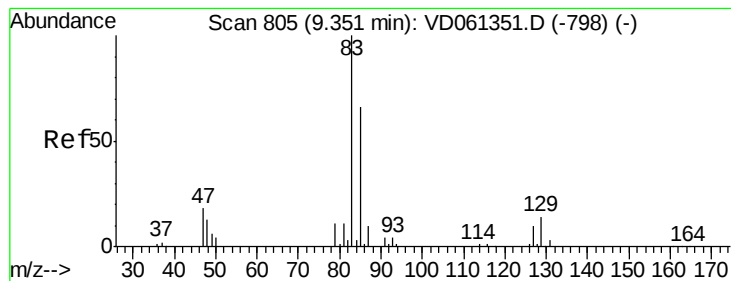
20000

10000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 23.157 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :

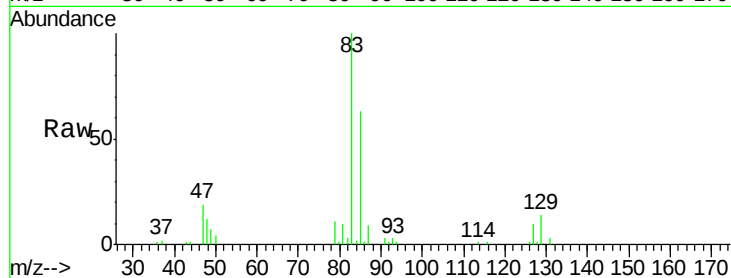
Tot Ion: 83 Resp: 200125

Ion Ratio Lower Upper

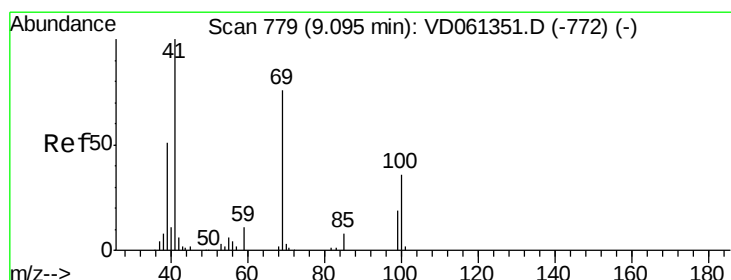
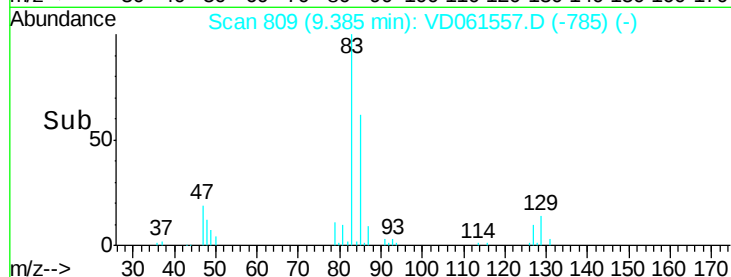
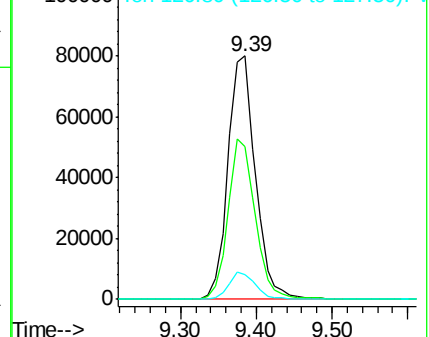
83 100

85 63.0 53.0 79.4

127 10.3 8.4 12.6



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



#48

Methyl methacrylate

Concen: 25.420 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

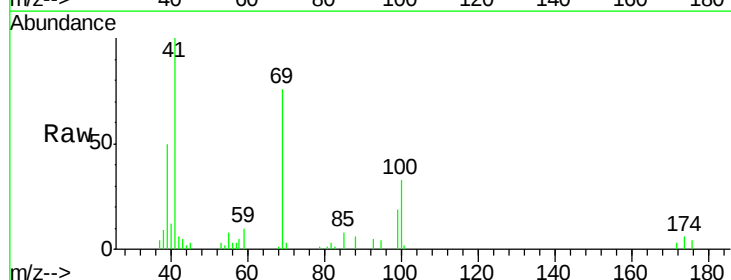
Tgt Ion: 41 Resp: 78472

Ion Ratio Lower Upper

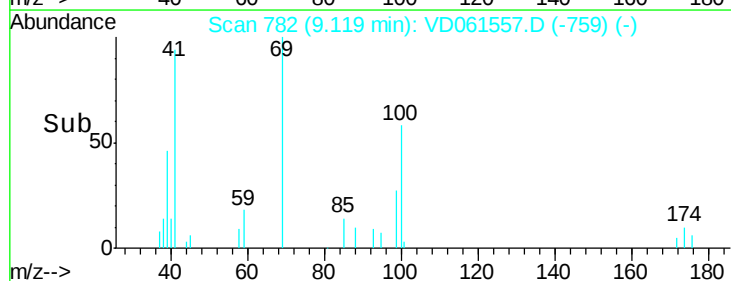
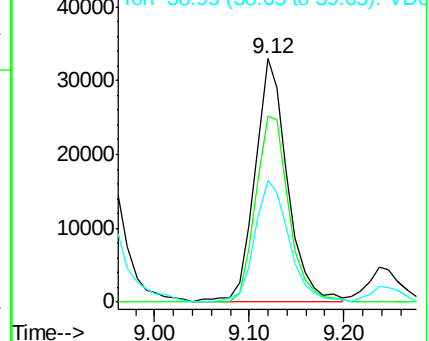
41 100

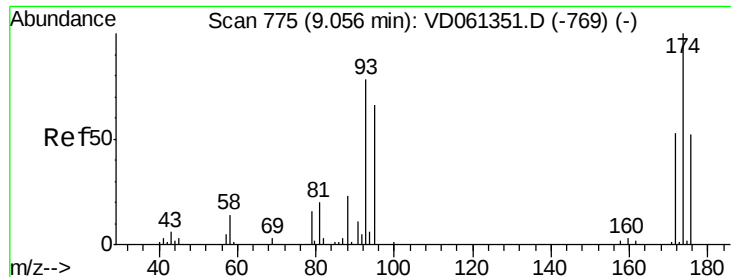
69 76.3 60.2 90.4

39 50.4 41.4 62.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

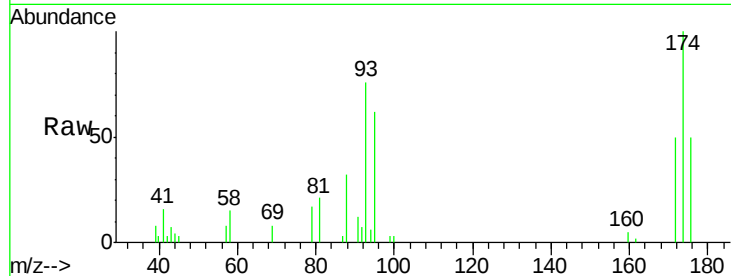




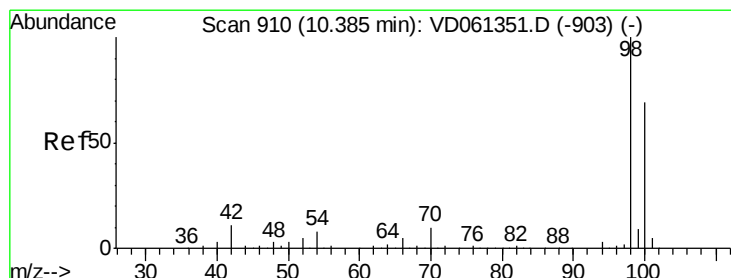
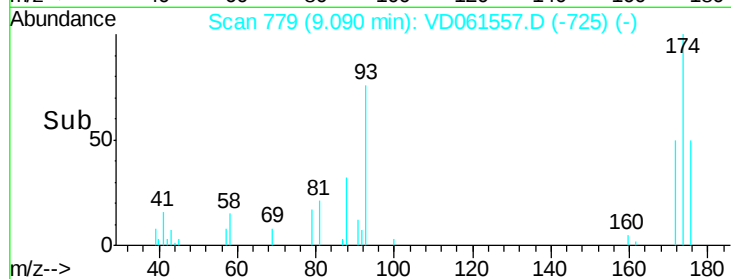
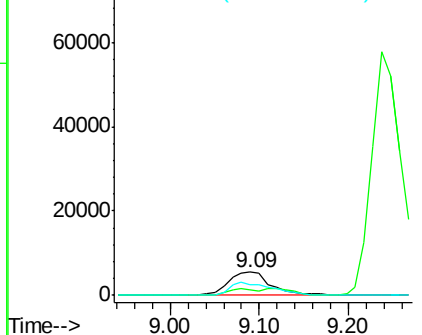
#49
 1,4-Dioxane
 Concen: 539.243 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. 0.03 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 18361
 Ion Ratio Lower Upper
 88 100
 43 22.6 23.3 34.9#
 58 45.8 50.8 76.2#

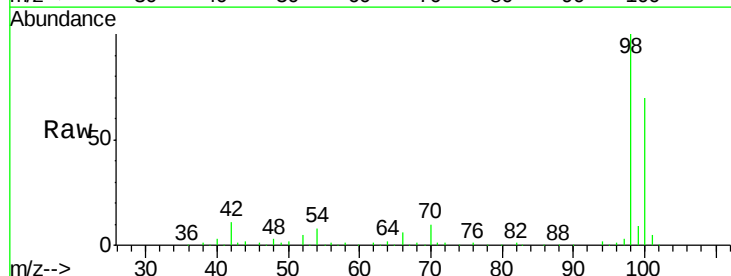


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

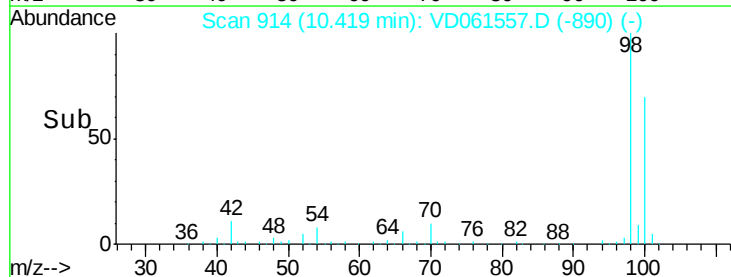
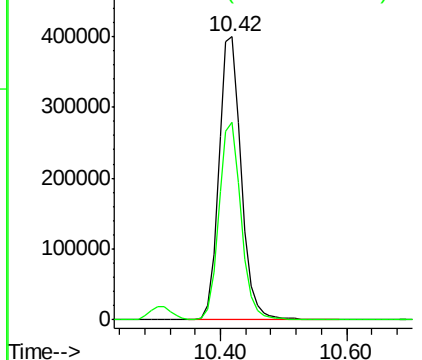


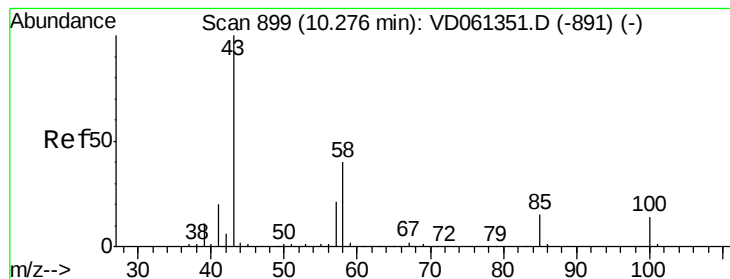
#50
 Toluene-d8
 Concen: 539.243 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.03 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion: 98 Resp: 990433
 Ion Ratio Lower Upper
 98 100
 100 69.7 56.2 84.2



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





#51

4-Methyl-2-Pentanone

Concen: 110.591 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

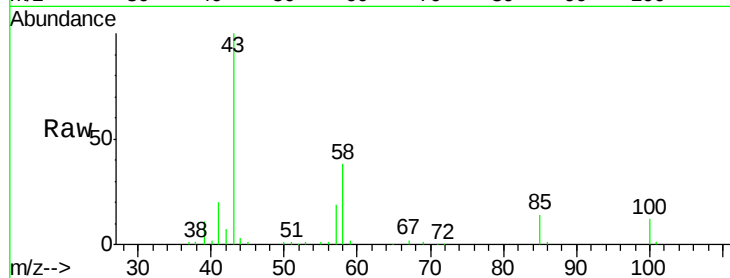
ClientSampleId :

Tot Ion: 43 Resp: 376349

Ion Ratio Lower Upper

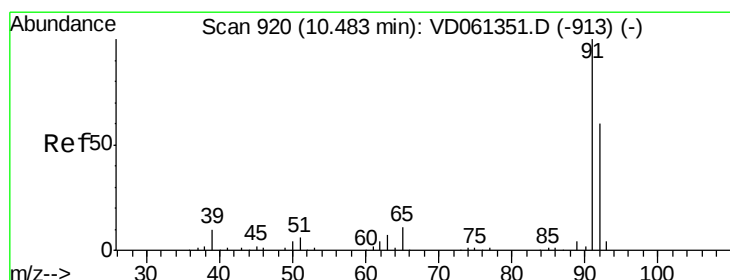
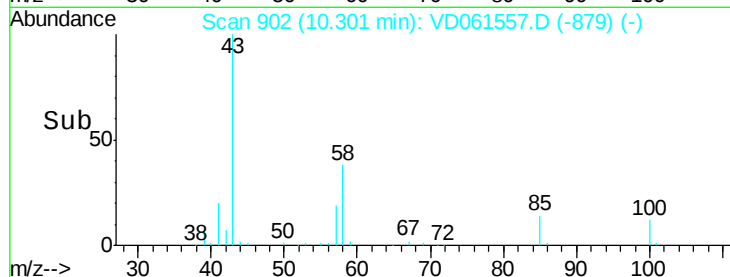
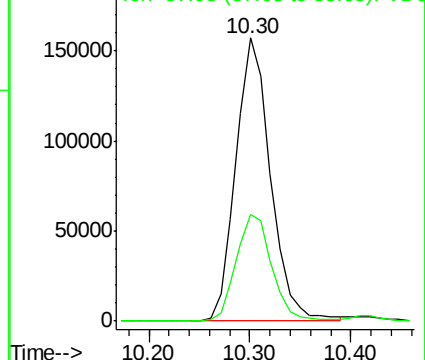
43 100

58 37.7 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: 25.345 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.02 min

Lab File: VD061557.D

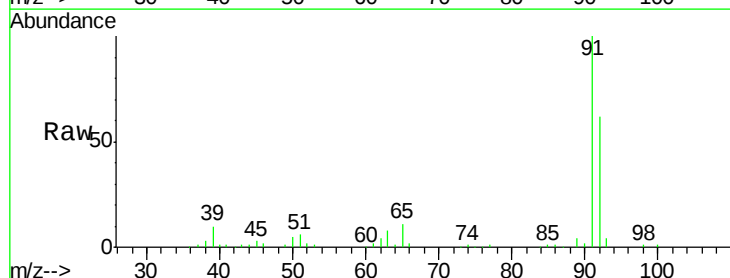
Acq: 3 Apr 2019 15:57

Tgt Ion: 92 Resp: 348827

Ion Ratio Lower Upper

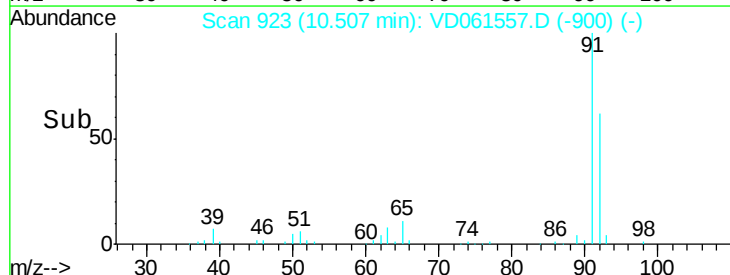
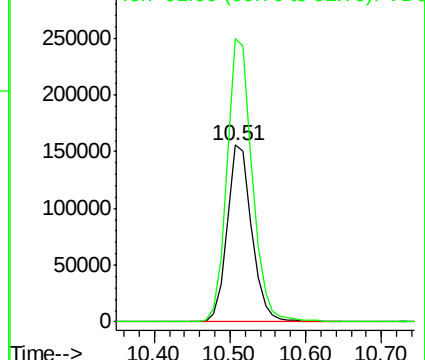
92 100

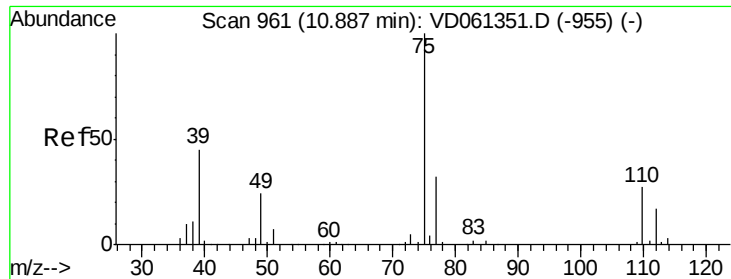
91 160.1 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

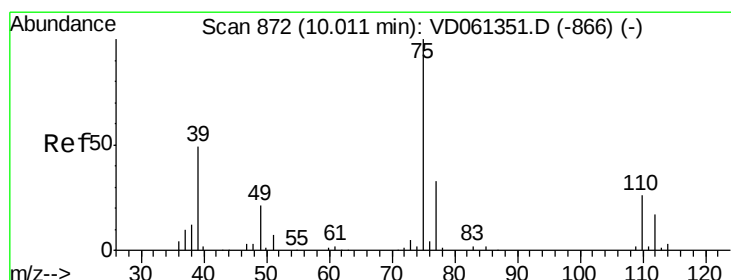
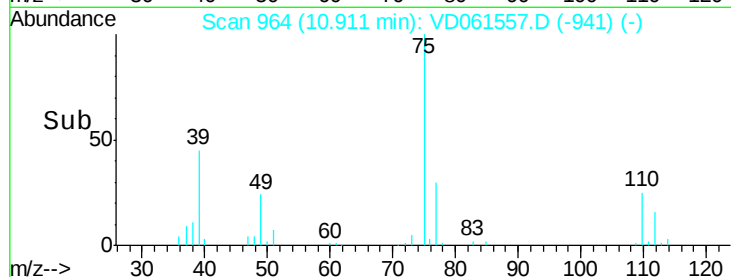
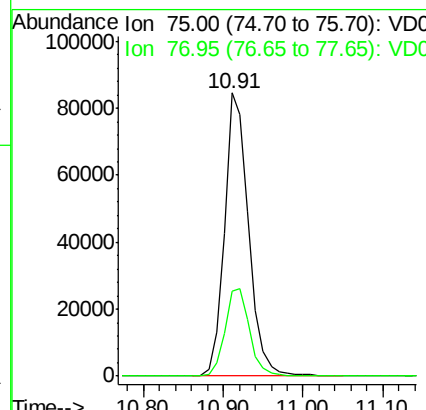
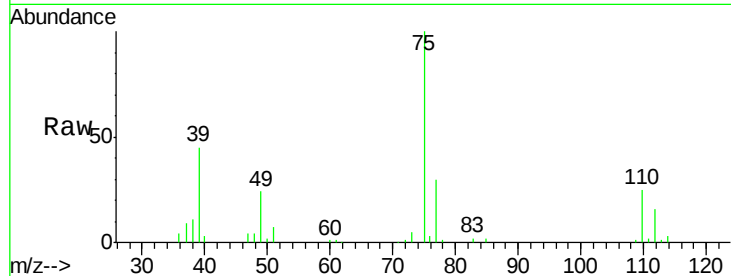




#53
t-1,3-Dichloropropene
Concen: 22.852 ug/l
RT: 10.91 min Scan# 964
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

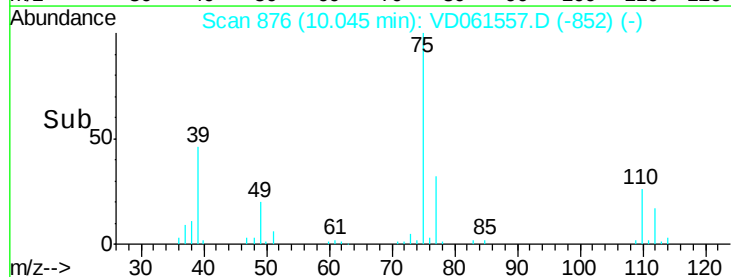
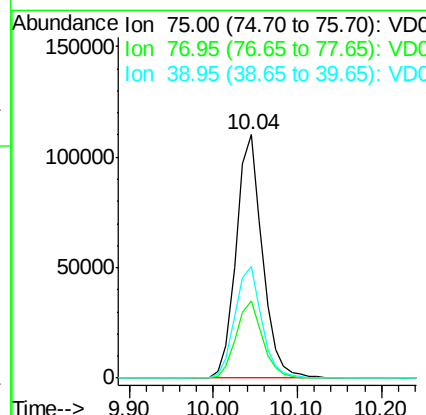
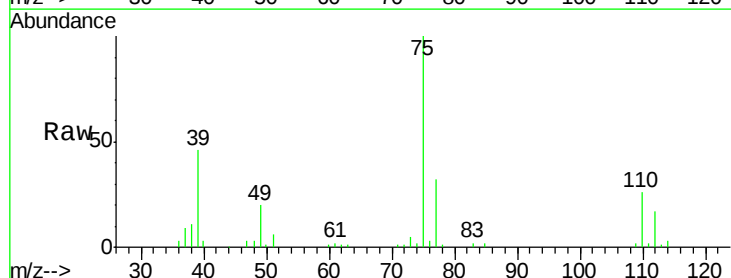
Instrument :
MSVOA_D
ClientSampleId :

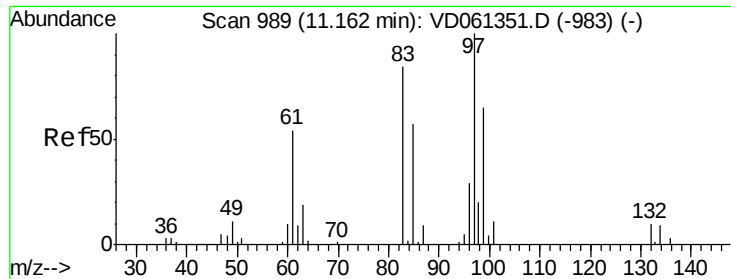
Tot Ion: 75 Resp: 179427
Ion Ratio Lower Upper
75 100
77 30.1 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 24.949 ug/l
RT: 10.04 min Scan# 876
Delta R.T. 0.03 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 75 Resp: 238530
Ion Ratio Lower Upper
75 100
77 31.9 26.2 39.4
39 45.9 39.4 59.0

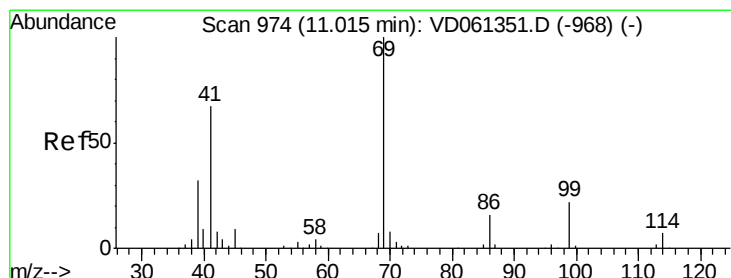
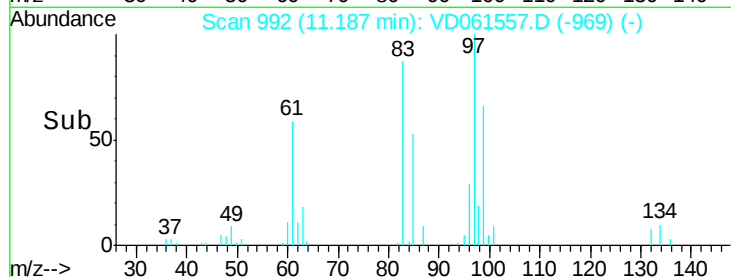
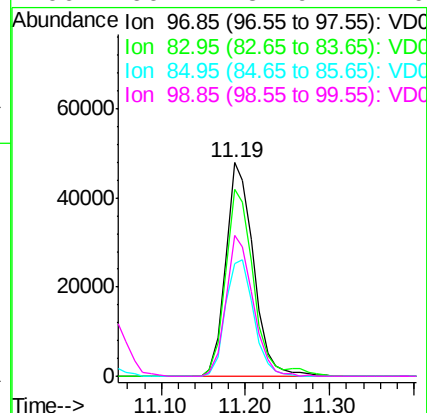
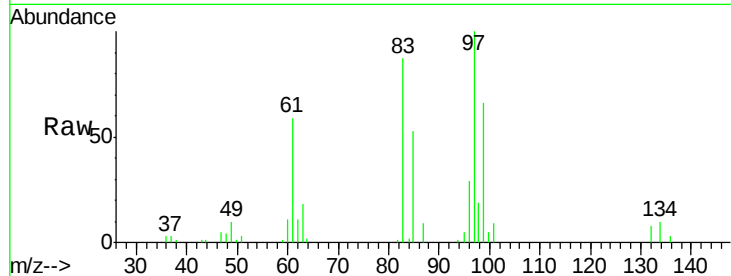




#55
 1,1,2-Trichloroethane
 Concen: 22.747 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.02 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

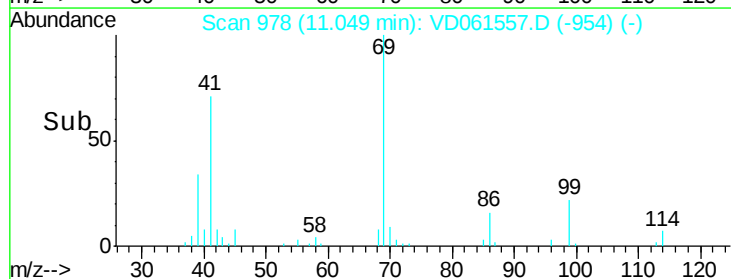
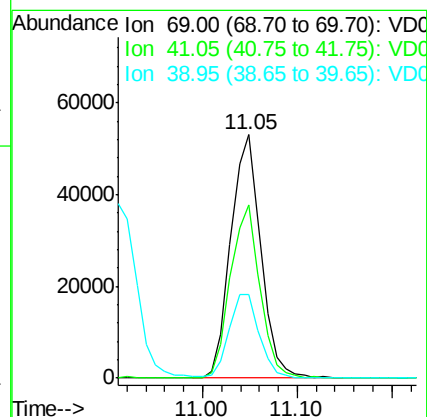
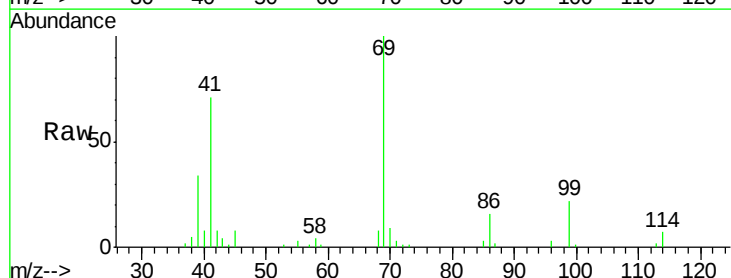
Instrument :
 MSVOA_D
 ClientSampleId :

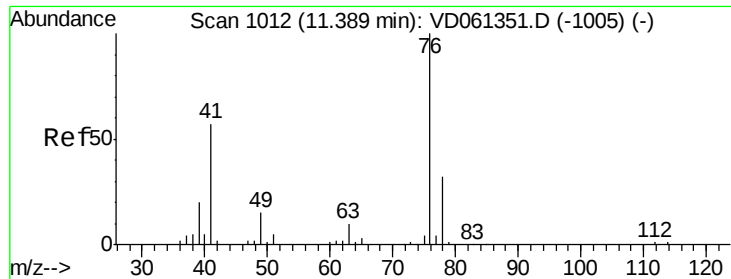
Tot Ion: 97 Resp: 109491
 Ion Ratio Lower Upper
 97 100
 83 87.4 67.0 100.6
 85 52.7 45.4 68.2
 99 66.1 51.9 77.9



#56
 Ethyl methacrylate
 Concen: 22.502 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.03 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion: 69 Resp: 116354
 Ion Ratio Lower Upper
 69 100
 41 71.3 53.8 80.6
 39 34.4 26.4 39.6

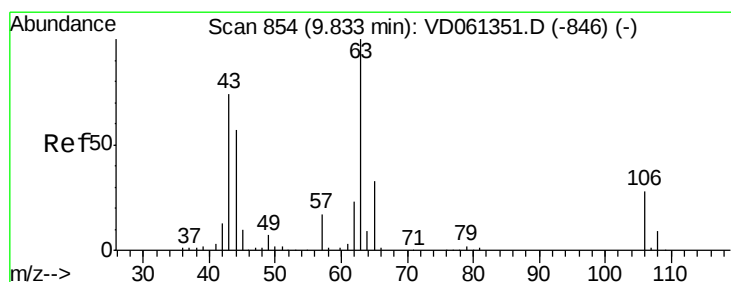
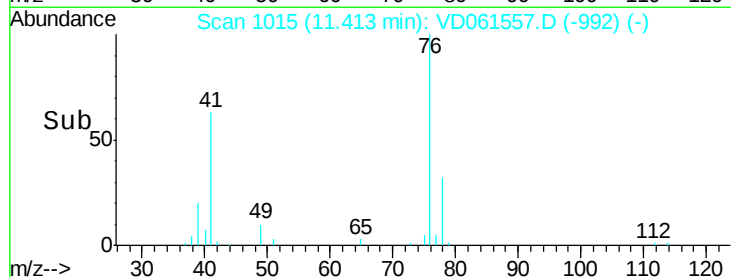
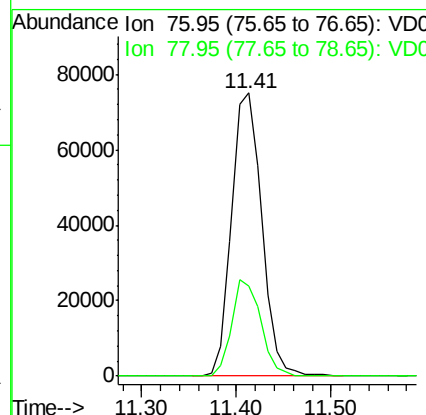
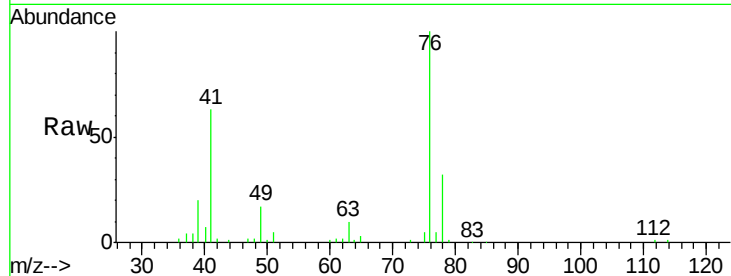




#57
 1,3-Dichloropropane
 Concen: 23.436 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.02 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

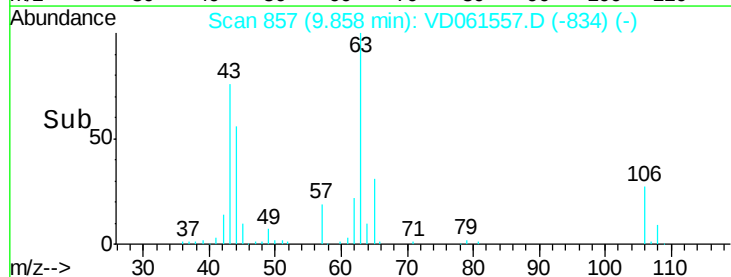
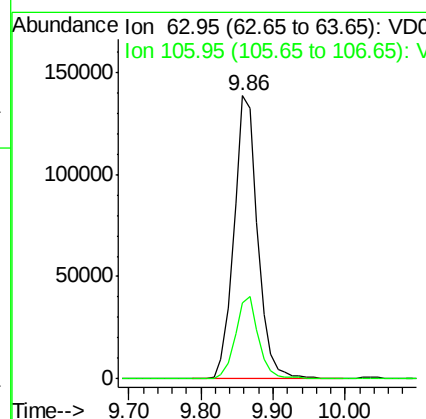
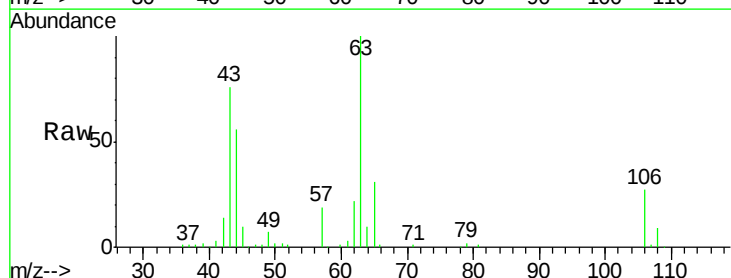
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 76 Resp: 165802
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 125.841 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.02 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion: 63 Resp: 316889
 Ion Ratio Lower Upper
 63 100
 106 26.7 22.4 33.6

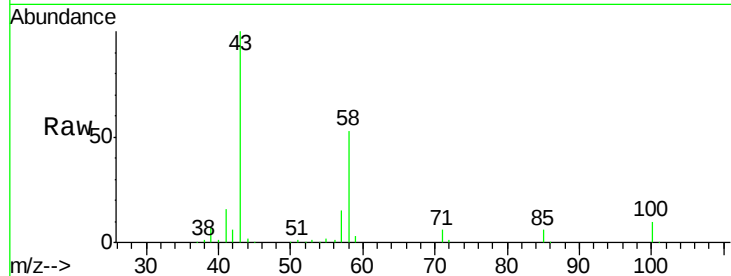




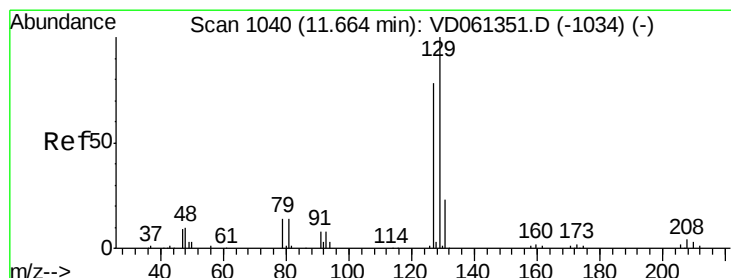
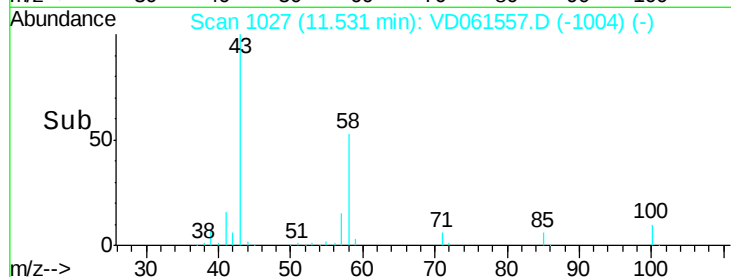
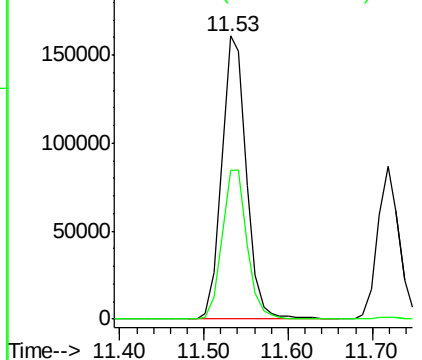
#59
2-Hexanone
Concen: 132.171 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 325886
Ion Ratio Lower Upper
43 100
58 52.6 26.3 78.9

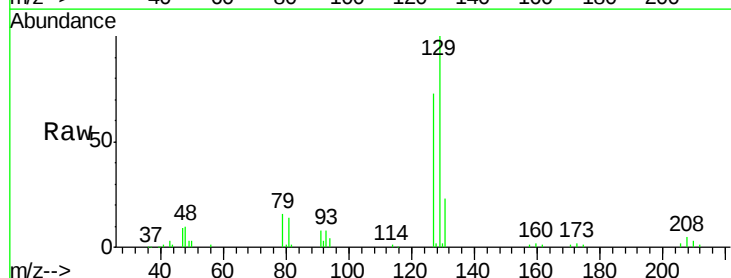


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

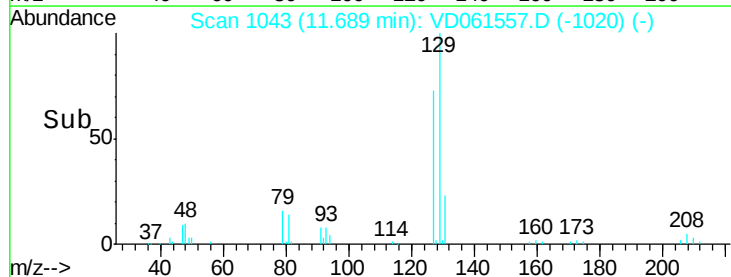
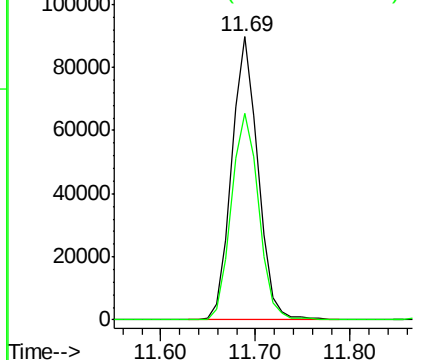


#60
Dibromochloromethane
Concen: 23.271 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 129 Resp: 172678
Ion Ratio Lower Upper
129 100
127 73.1 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

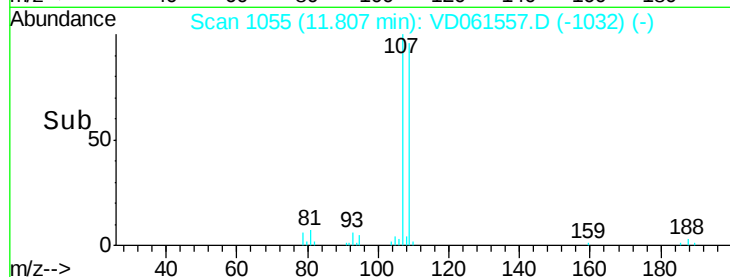
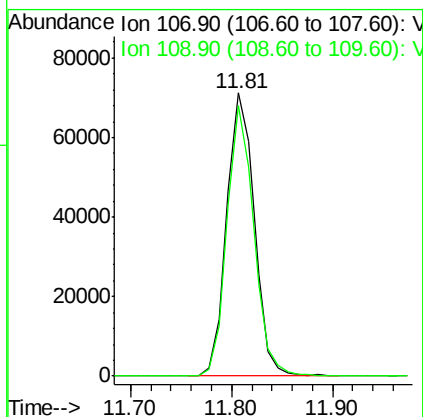
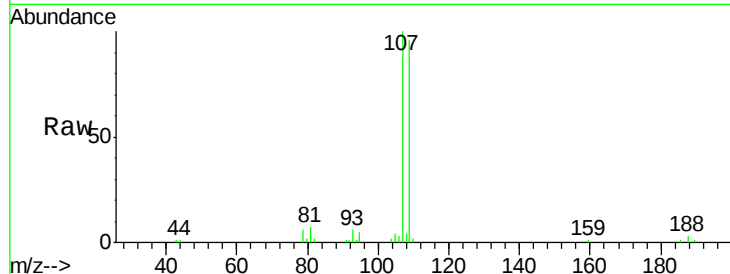




#61
 1,2-Dibromoethane
 Concen: 24.229 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.02 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

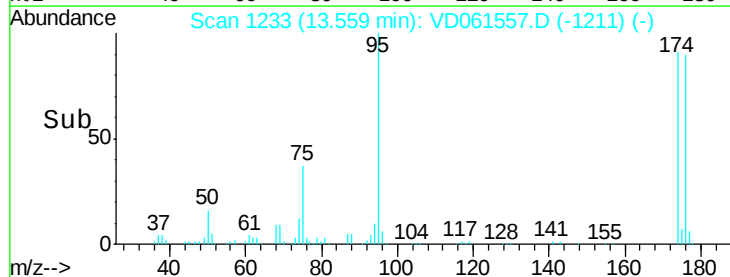
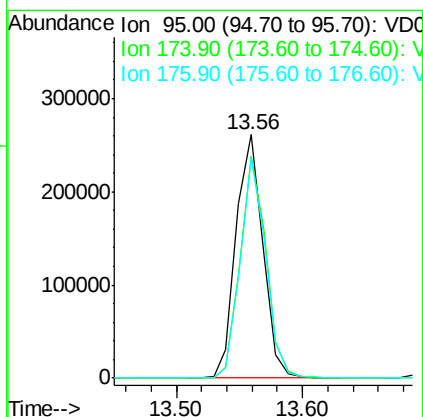
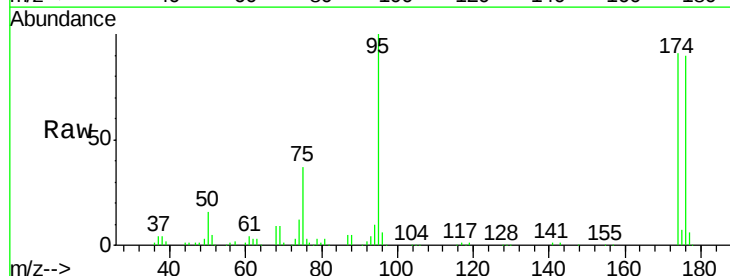
Instrument :
 MSVOA_D
 ClientSampleId :

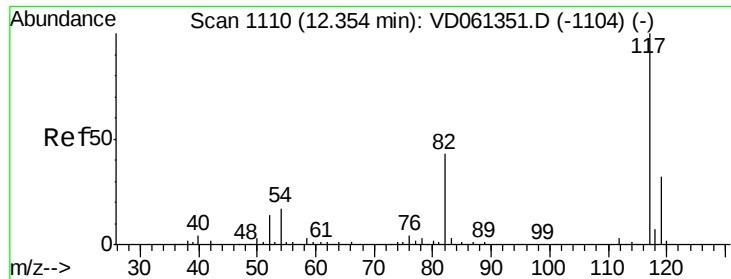
Tot Ion: 107 Resp: 135042
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 24.229 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion: 95 Resp: 382347
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 178.0
 176 90.4 0.0 175.0

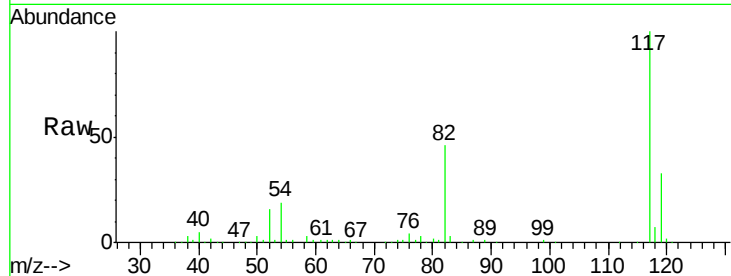




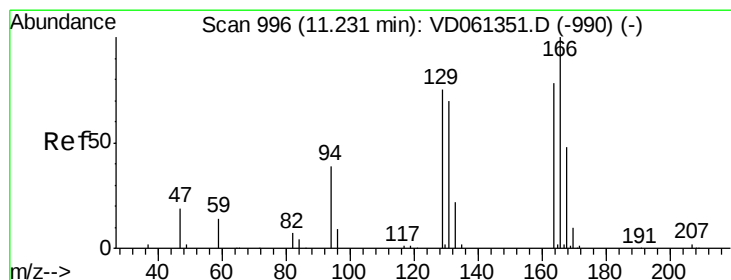
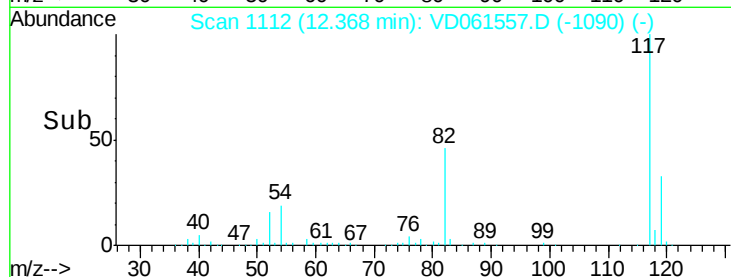
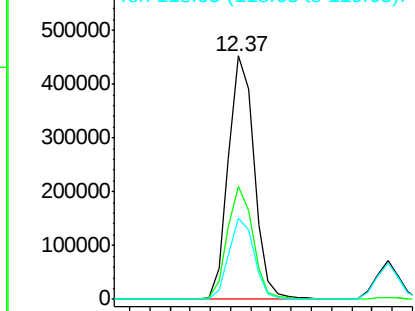
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 803200
Ion Ratio Lower Upper
117 100
82 46.4 34.4 51.6
119 33.5 25.8 38.6

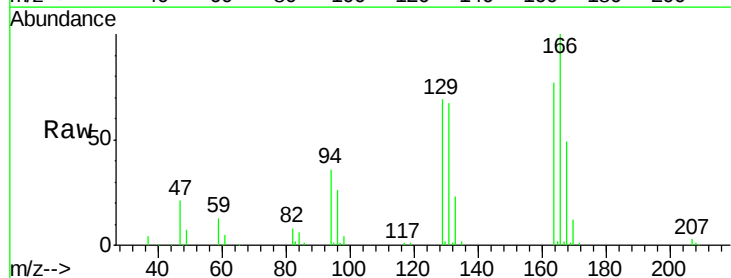


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

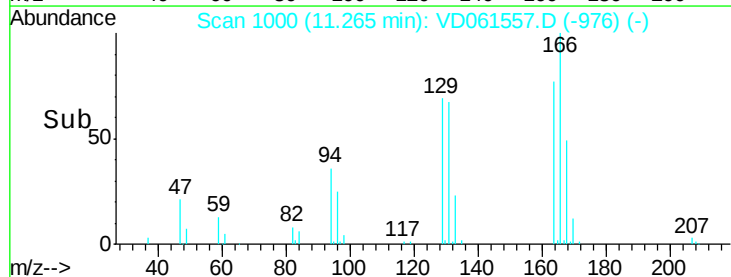
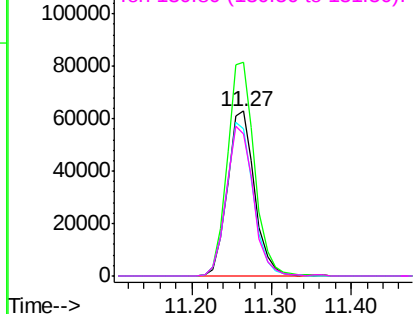


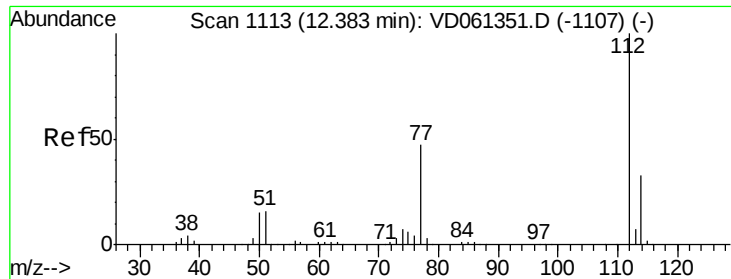
#64
Tetrachloroethene
Concen: 23.676 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion:164 Resp: 149243
Ion Ratio Lower Upper
164 100
166 129.4 102.4 153.6
129 89.4 76.8 115.2
131 86.3 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

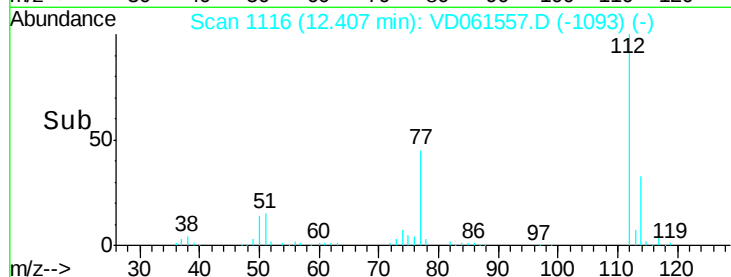
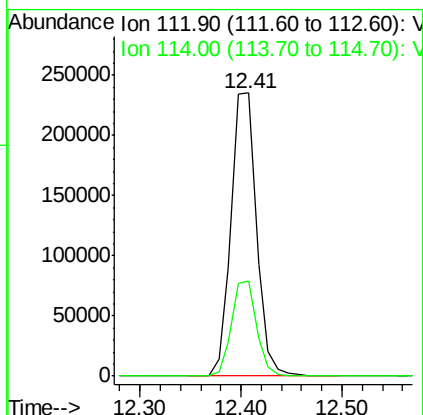
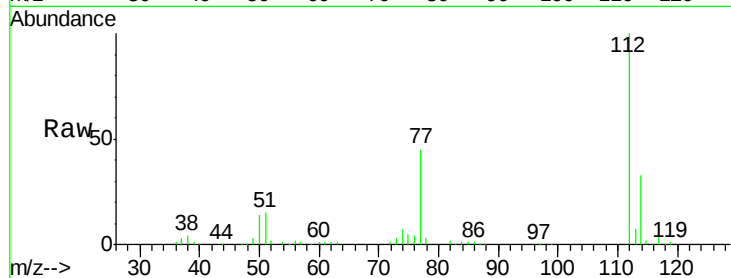




#65
Chlorobenzene
Concen: 25.121 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

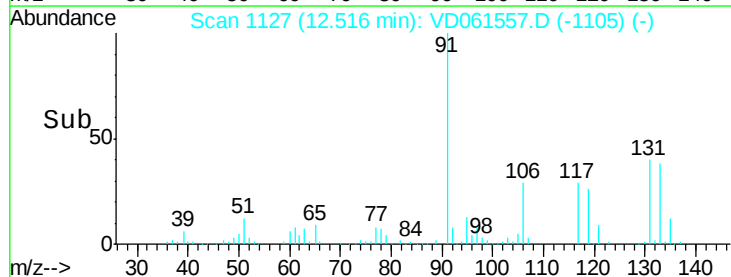
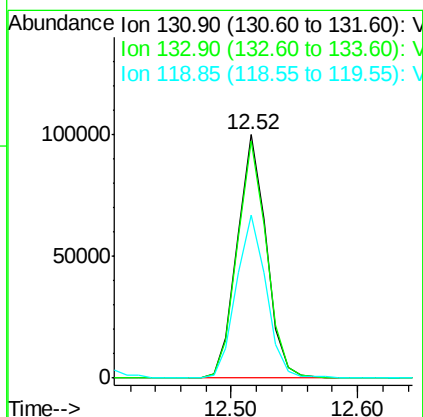
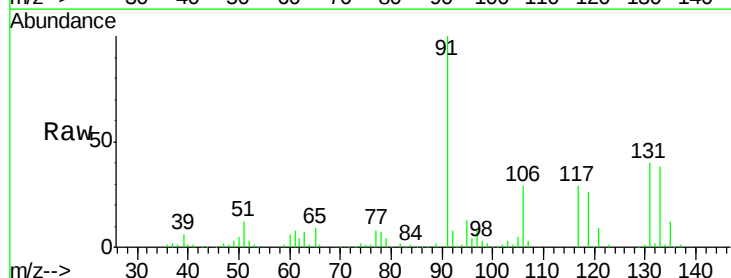
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 412354
Ion Ratio Lower Upper
112 100
114 33.5 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 25.032 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion:131 Resp: 159091
Ion Ratio Lower Upper
131 100
133 97.2 49.4 148.2
119 66.8 34.1 102.2

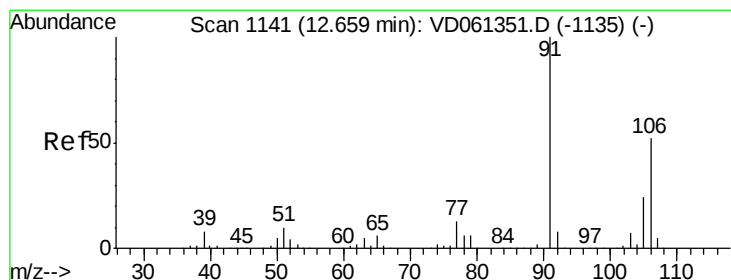
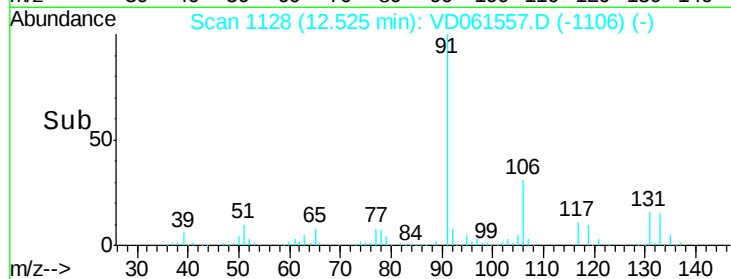
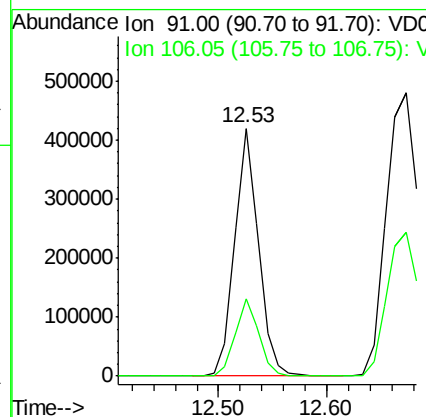
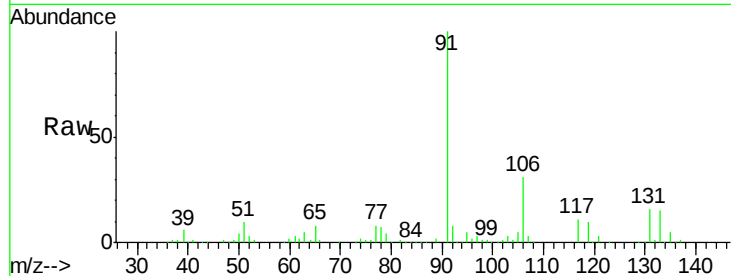




#67
Ethyl Benzene
Concen: 25.779 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

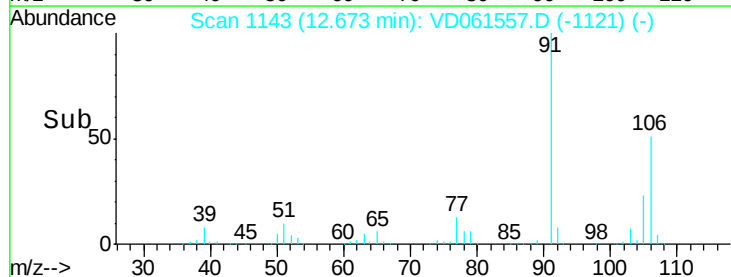
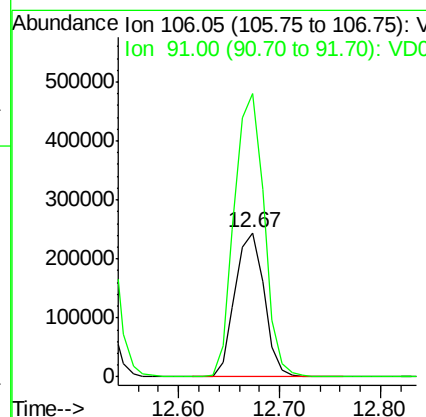
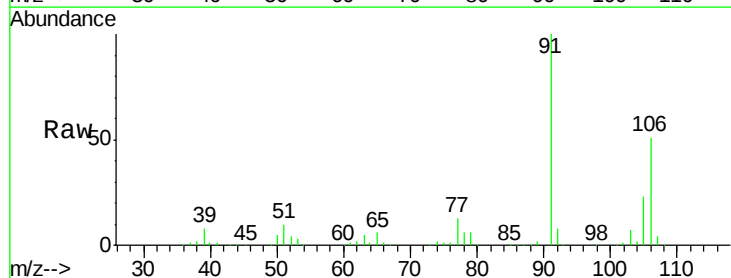
Instrument :
MSVOA_D
ClientSampled :

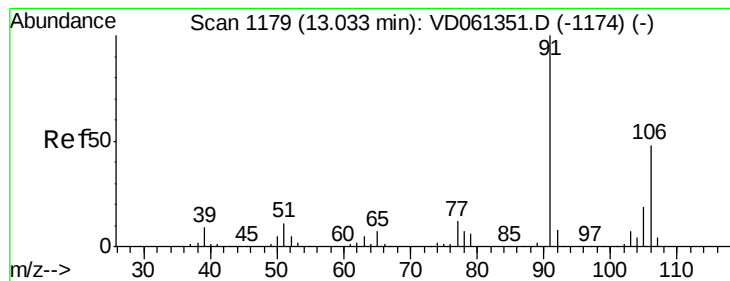
Tot Ion: 91 Resp: 645903
Ion Ratio Lower Upper
91 100
106 31.0 26.1 39.1



#68
m/p-Xylenes
Concen: 52.350 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 106 Resp: 496852
Ion Ratio Lower Upper
106 100
91 196.7 153.1 229.7





#69

o-Xylene

Concen: 27.792 ug/l

RT: 13.05 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

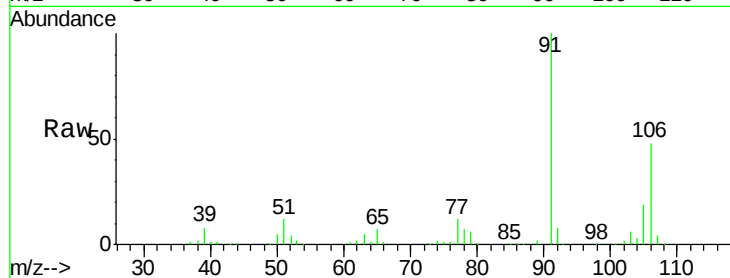
ClientSampled :

Tot Ion:106 Resp: 255965

Ion Ratio Lower Upper

106 100

91 208.8 103.8 311.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

400000

300000

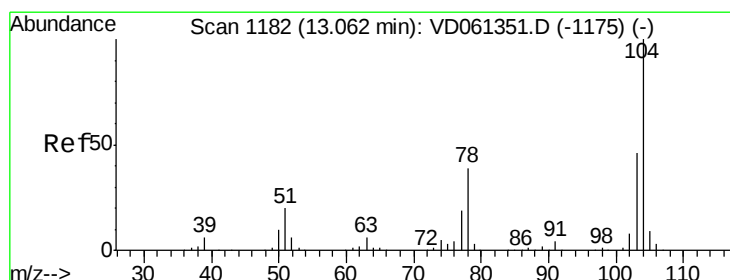
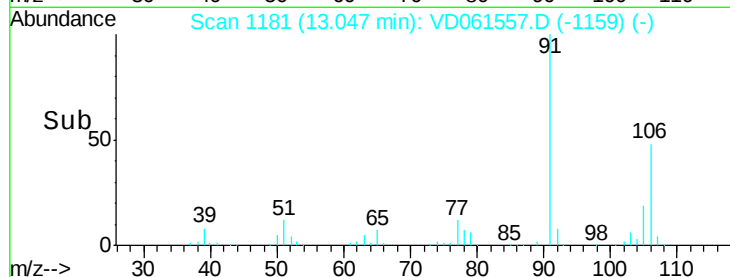
200000

100000

0

13.05

Time-->



#70

Styrene

Concen: 27.480 ug/l

RT: 13.08 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

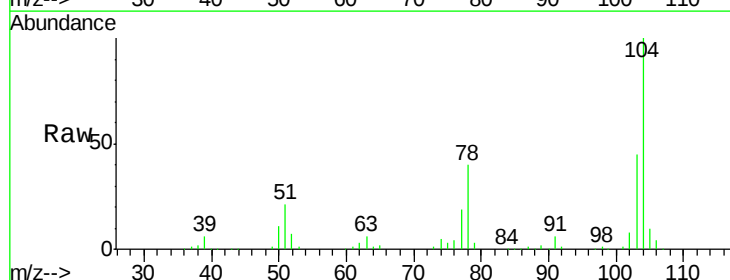
Tgt Ion:104 Resp: 441190

Ion Ratio Lower Upper

104 100

78 40.1 31.0 46.6

103 45.0 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

400000

300000

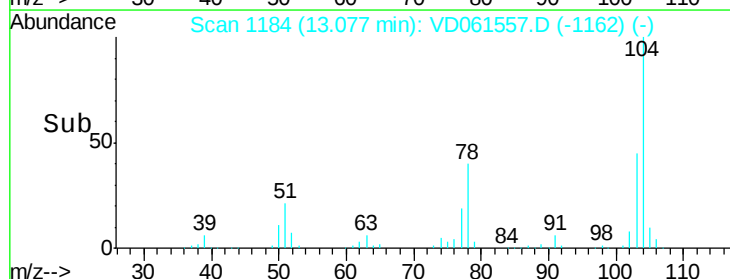
200000

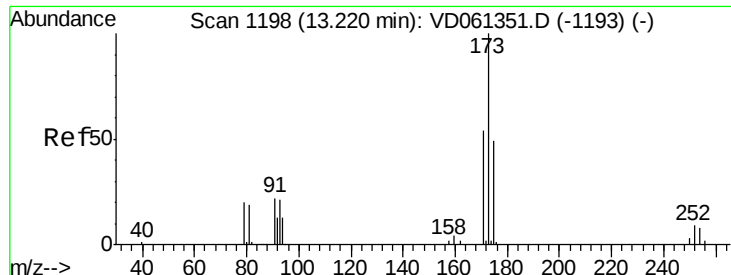
100000

0

13.08

Time-->

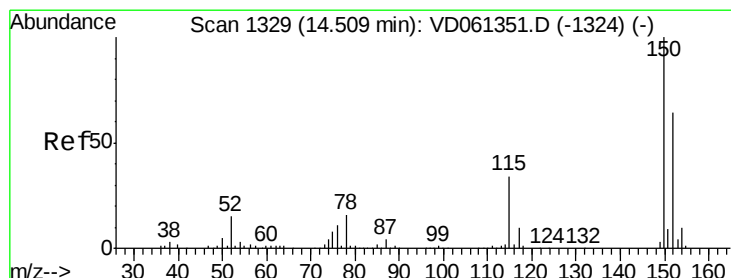
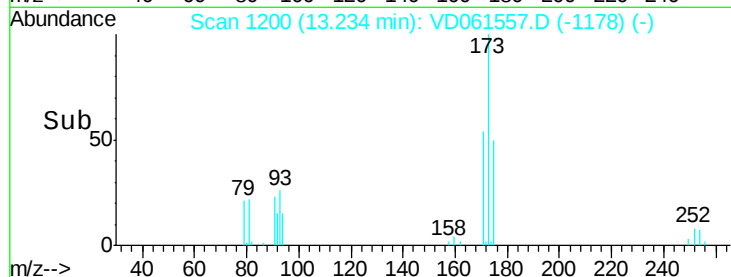
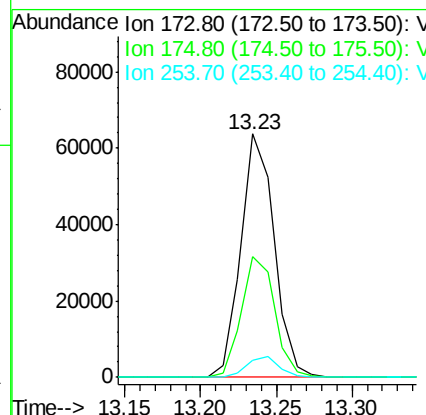
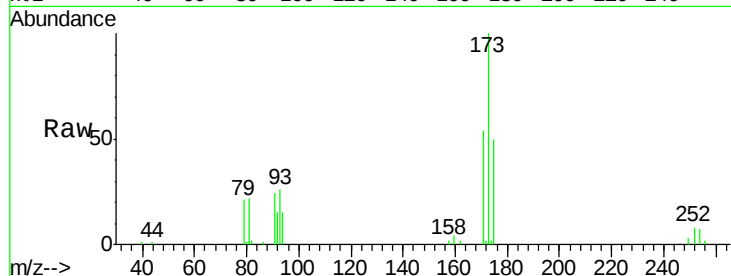




#71
Bromoform
Concen: 24.182 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

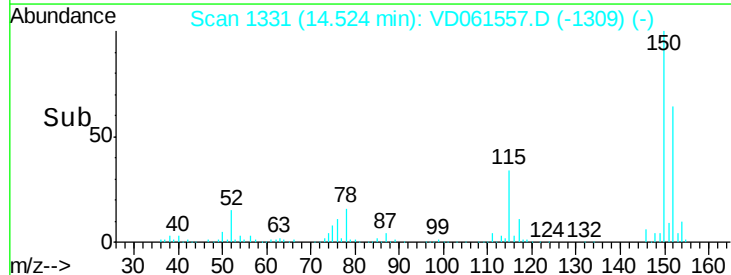
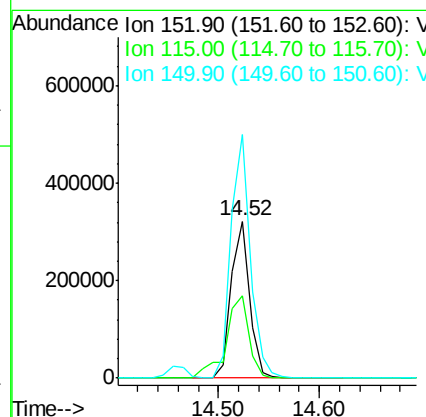
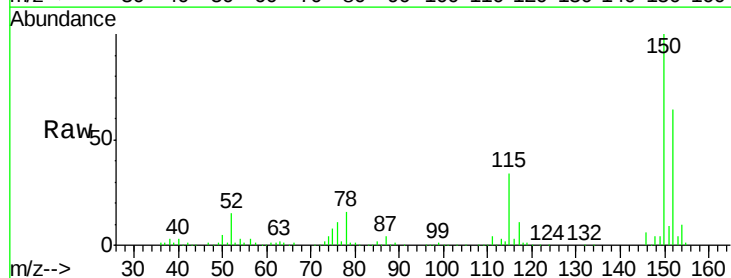
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 97425
Ion Ratio Lower Upper
173 100
175 49.8 24.6 73.8
254 7.1 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion:152 Resp: 408623
Ion Ratio Lower Upper
152 100
115 52.6 26.9 80.6
150 155.2 0.0 318.0





#73

Isopropylbenzene

Concen: 22.876 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

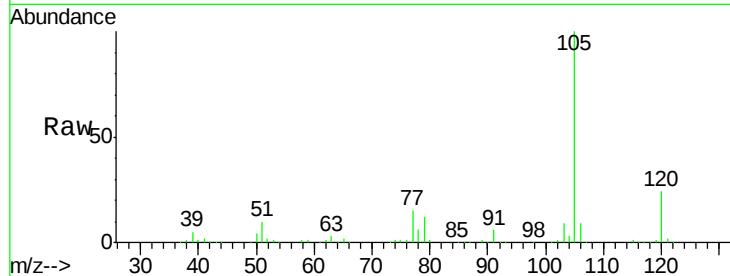
ClientSampleId :

Tot Ion:105 Resp: 650594

Ion Ratio Lower Upper

105 100

120 24.1 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

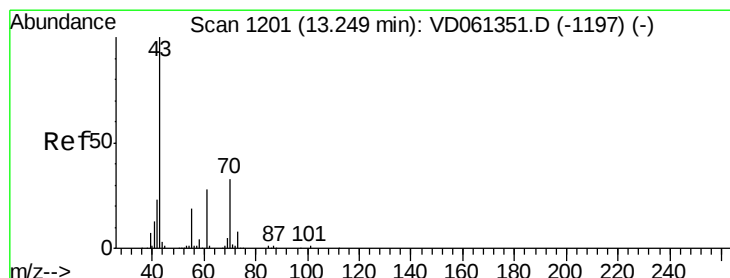
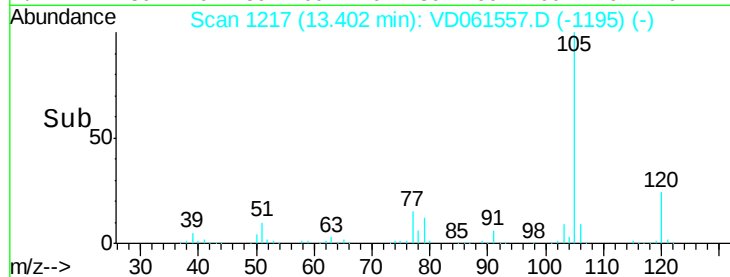
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 22.443 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Tgt Ion: 43 Resp: 177807

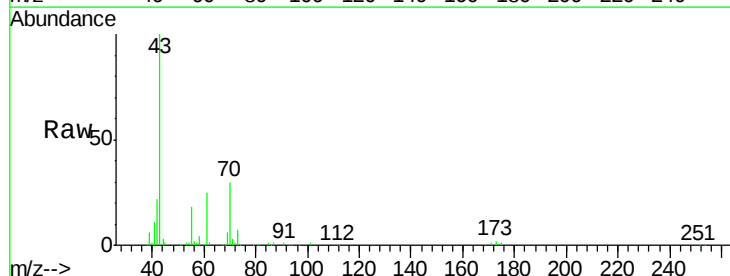
Ion Ratio Lower Upper

43 100

70 30.5 26.6 40.0

55 18.0 15.4 23.2

61 24.6 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

13.26

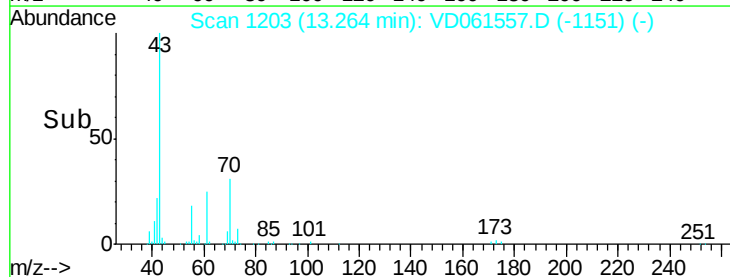
150000

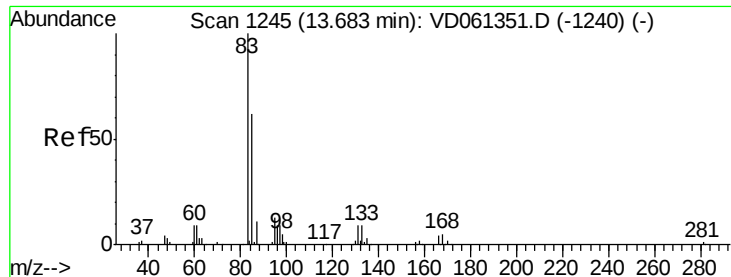
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 21.607 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

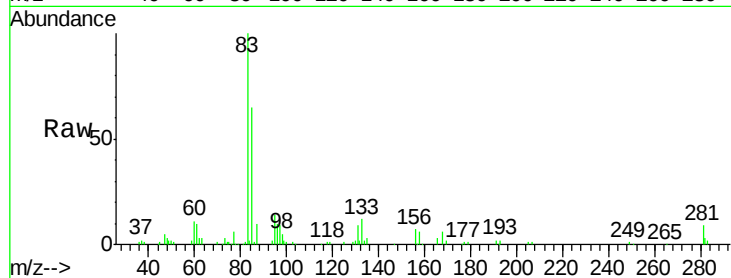
Tot Ion: 83 Resp: 129627

Ion	Ratio	Lower	Upper
83	100		
131	8.6	4.3	13.1
85	64.6	31.2	93.6

83 100

131 8.6 4.3 13.1

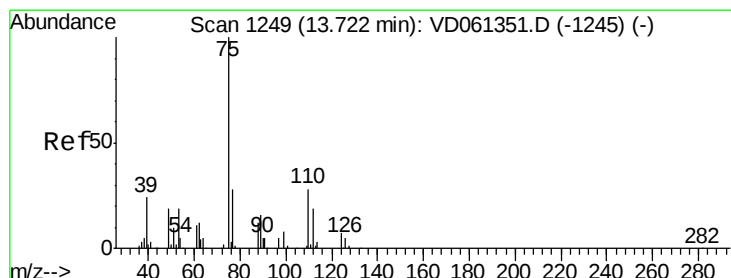
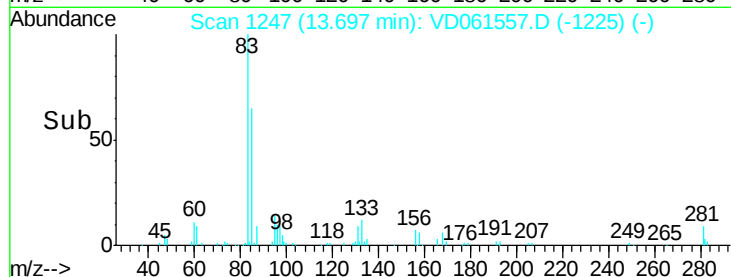
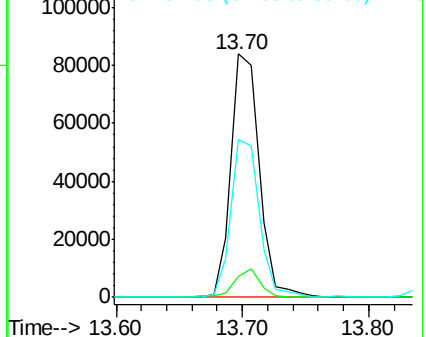
85 64.6 31.2 93.6



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: 21.282 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061557.D

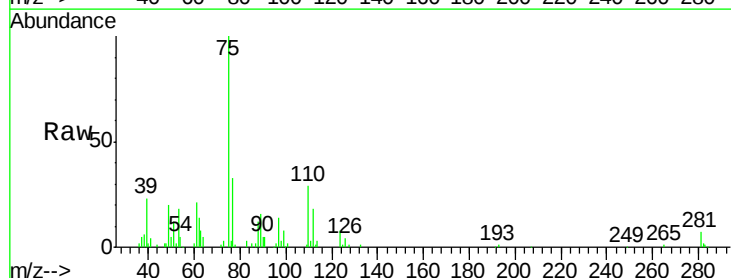
Acq: 3 Apr 2019 15:57

Tgt Ion: 75 Resp: 125621

Ion	Ratio	Lower	Upper
75	100		
77	33.4	16.2	48.5

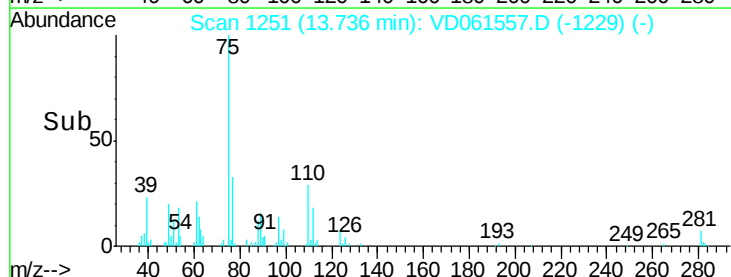
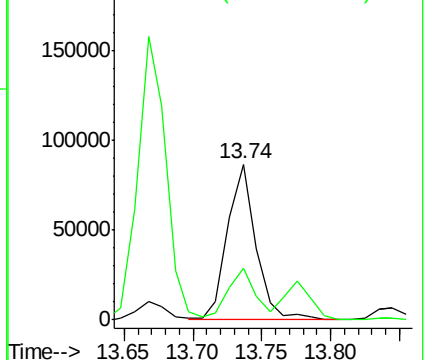
75 100

77 33.4 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: 21.107 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

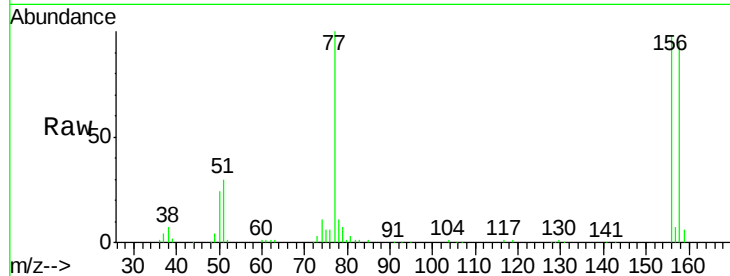
Tot Ion:156 Resp: 177960

Ion Ratio Lower Upper

156 100

77 102.5 68.5 205.6

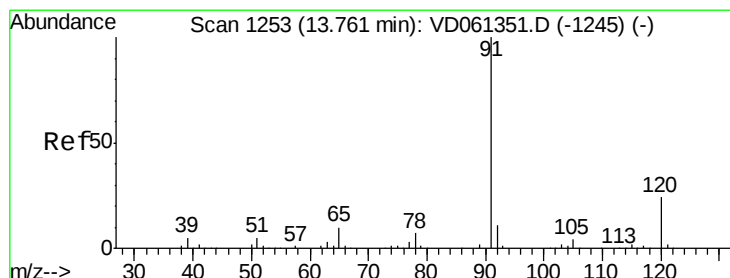
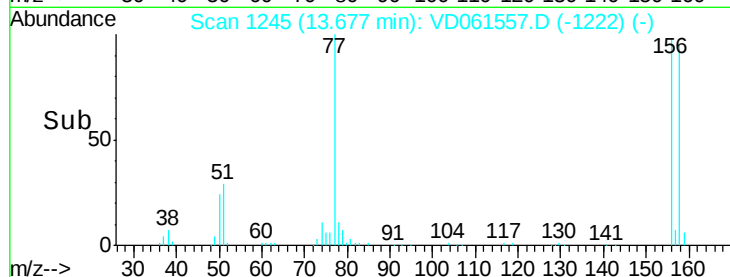
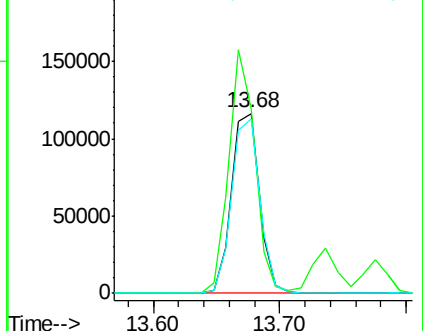
158 97.0 49.1 147.3



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: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061557.D

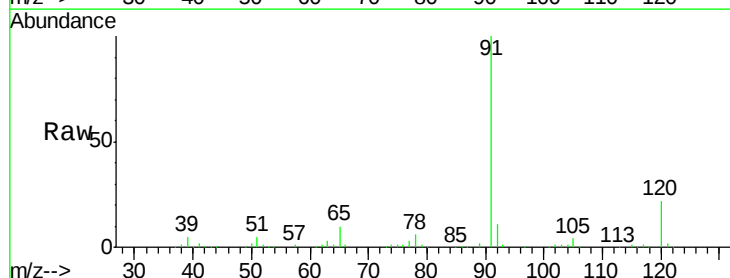
Acq: 3 Apr 2019 15:57

Tgt Ion: 91 Resp: 817978

Ion Ratio Lower Upper

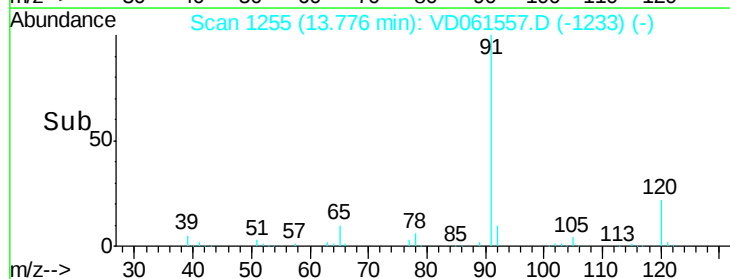
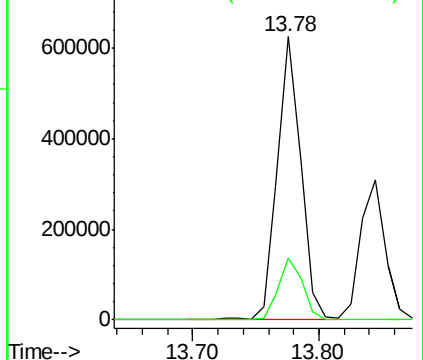
91 100

120 21.8 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

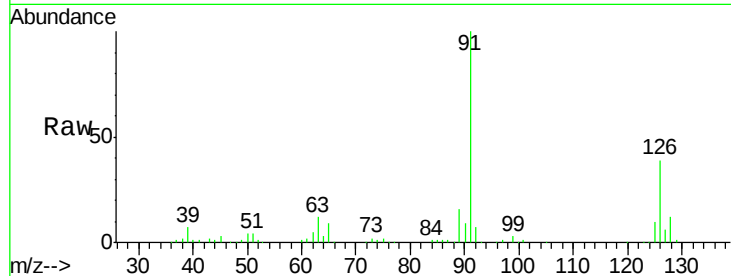




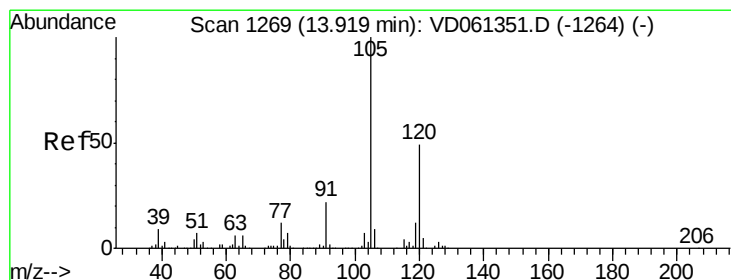
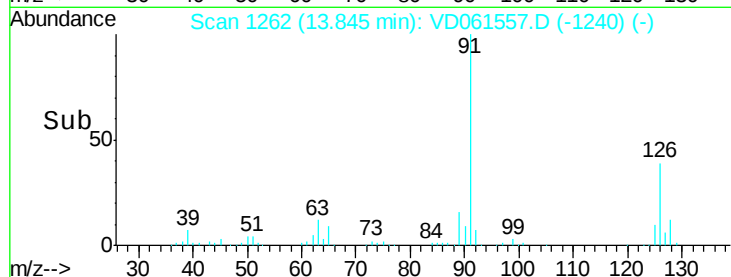
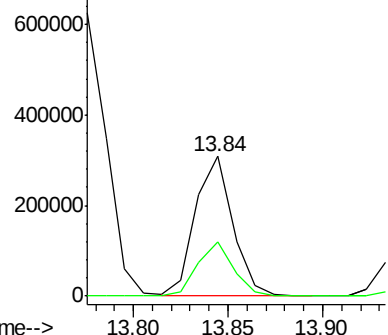
#79
2-Chlorotoluene
Concen: 22.394 ug/l
RT: 13.84 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 423183
Ion Ratio Lower Upper
91 100
126 39.1 19.4 58.2

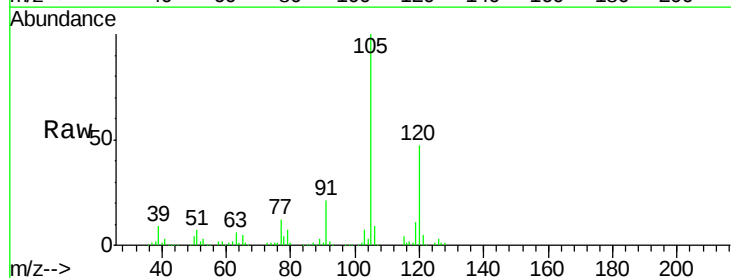


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

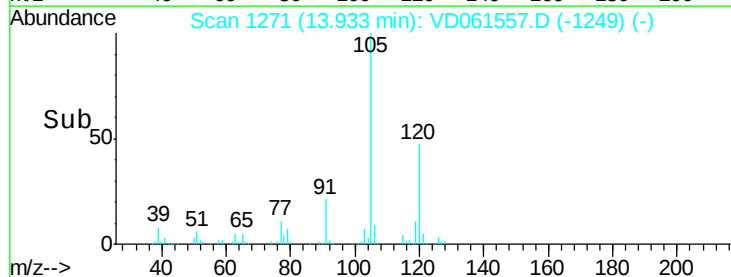
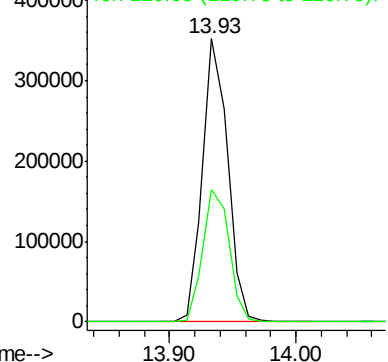


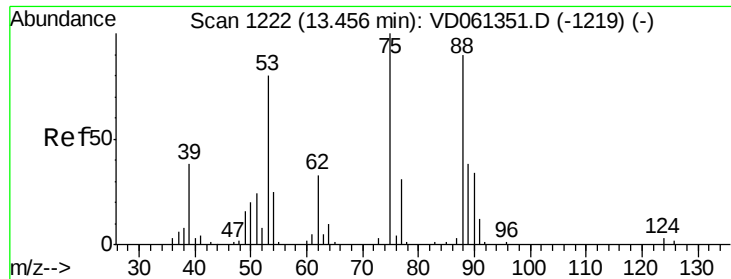
#80
1,3,5-Trimethylbenzene
Concen: 21.988 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 105 Resp: 485191
Ion Ratio Lower Upper
105 100
120 46.8 24.6 73.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 19.654 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

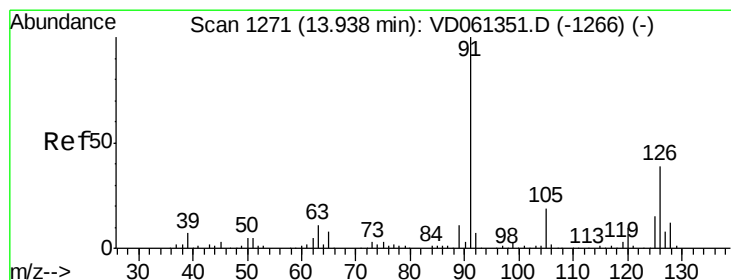
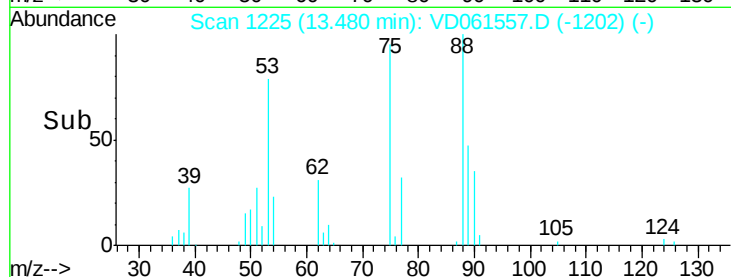
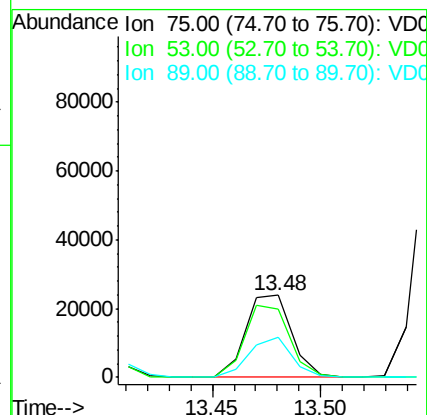
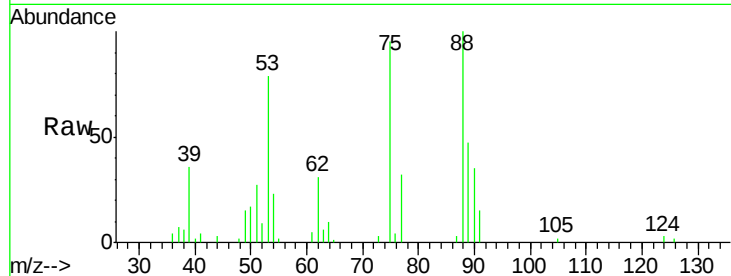
Tot Ion: 75 Resp: 35371

Ion Ratio Lower Upper

75 100

53 83.3 63.8 95.8

89 49.3 30.5 45.7#



#82

4-Chlorotoluene

Concen: 23.081 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061557.D

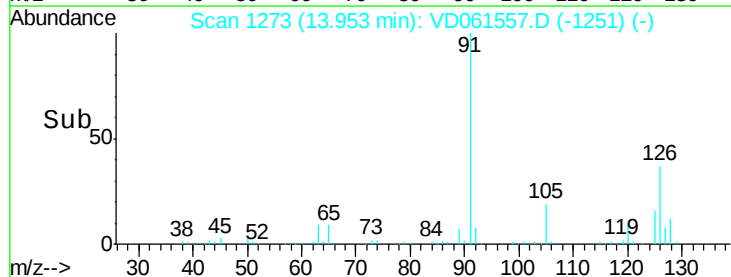
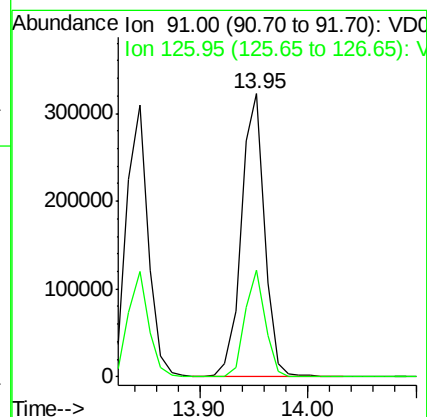
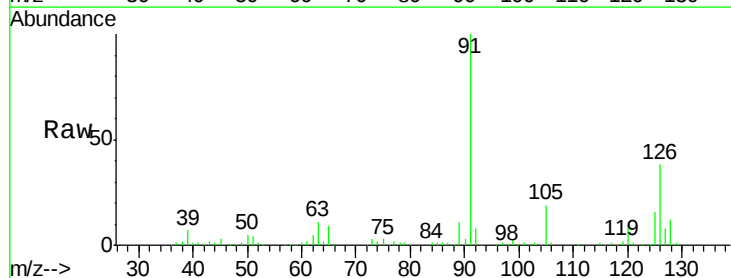
Acq: 3 Apr 2019 15:57

Tgt Ion: 91 Resp: 474256

Ion Ratio Lower Upper

91 100

126 37.8 19.6 58.8

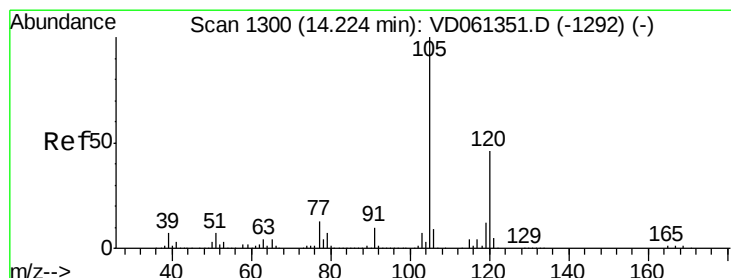
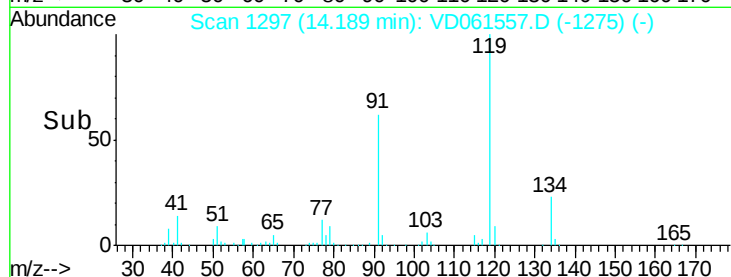
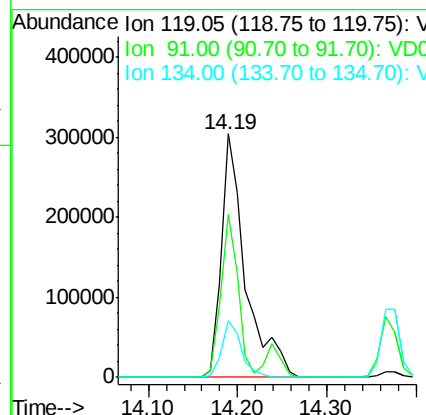
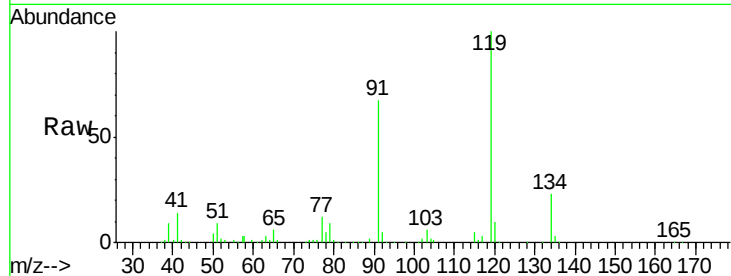




#83
 tert-Butylbenzene
 Concen: 20.868 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

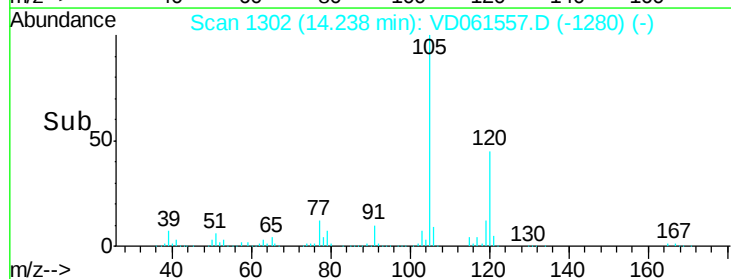
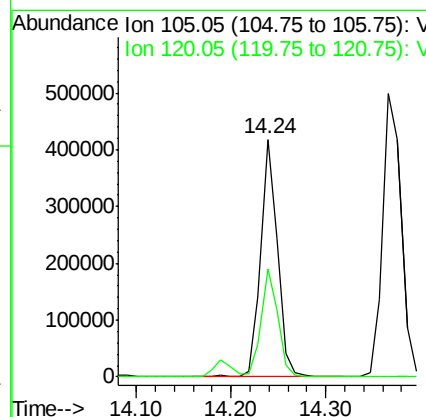
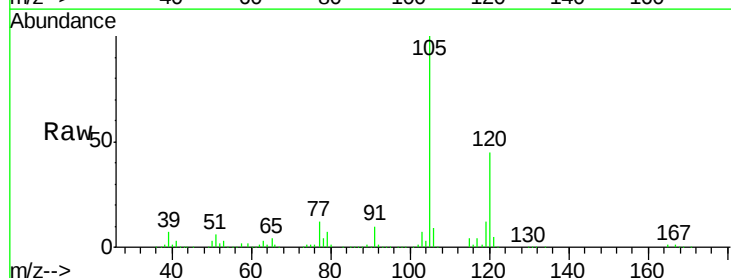
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:119 Resp: 575475
 Ion Ratio Lower Upper
 119 100
 91 66.7 34.1 102.3
 134 23.2 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.566 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion:105 Resp: 515187
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.8 68.4

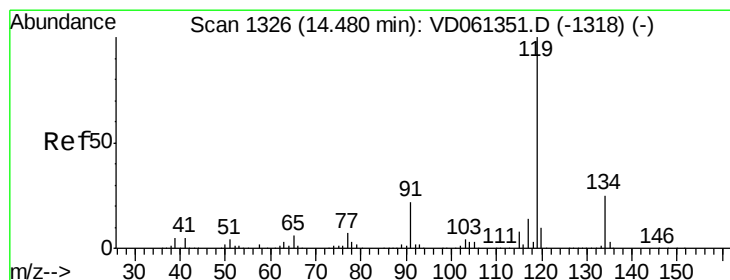
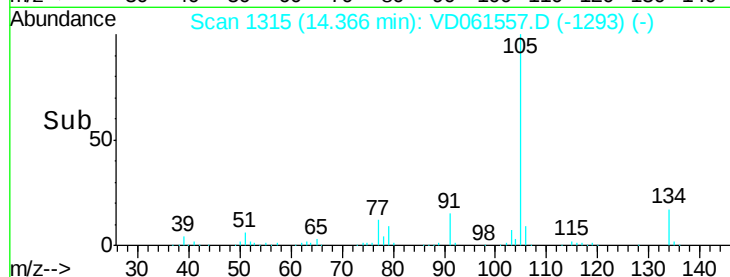
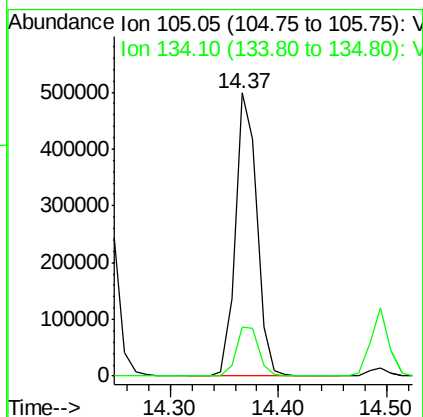
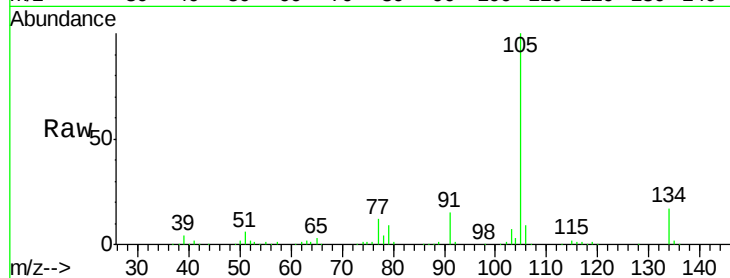




#85
 sec-Butylbenzene
 Concen: 23.354 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

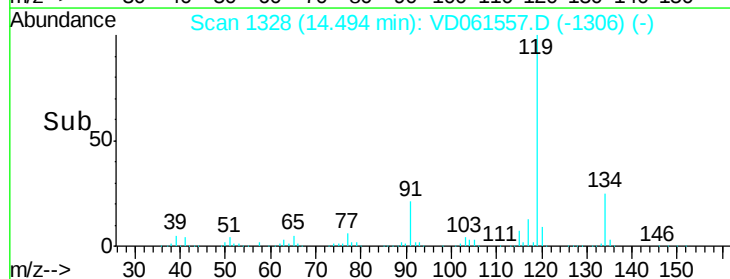
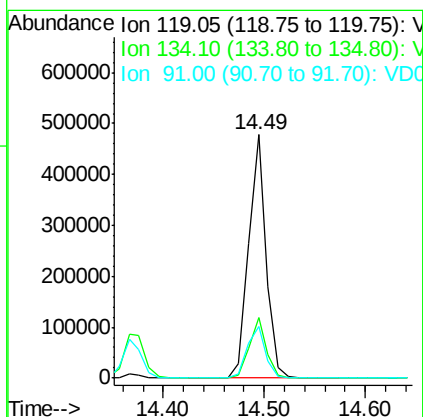
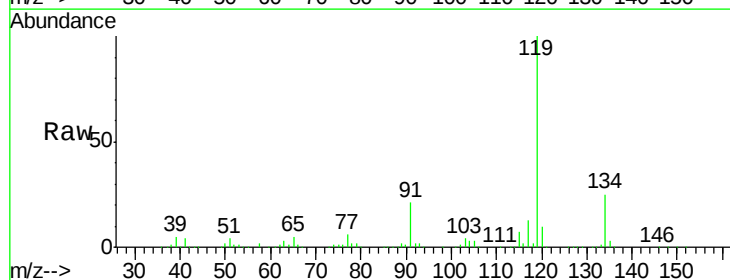
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:105 Resp: 684166
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 23.370 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion:119 Resp: 578936
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.3 36.8
 91 21.0 11.1 33.1

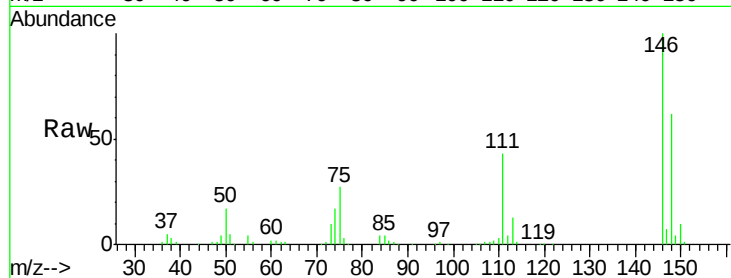




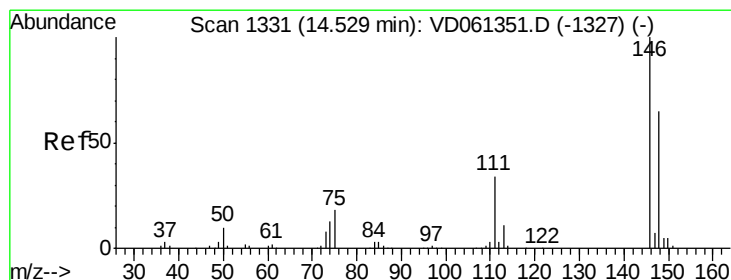
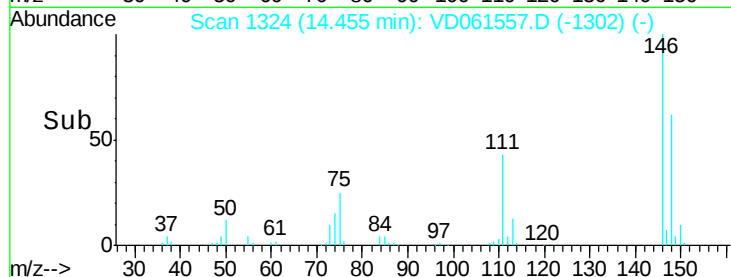
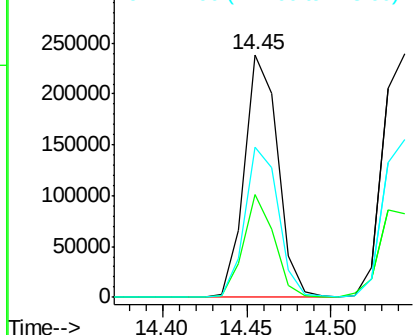
#87
 1,3-Dichlorobenzene
 Concen: 23.024 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 328717
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.6 61.9
 148 61.8 31.1 93.3

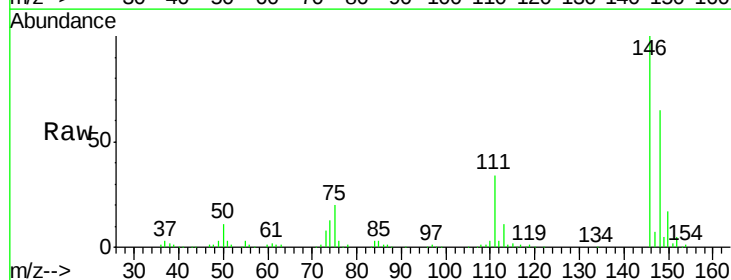


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

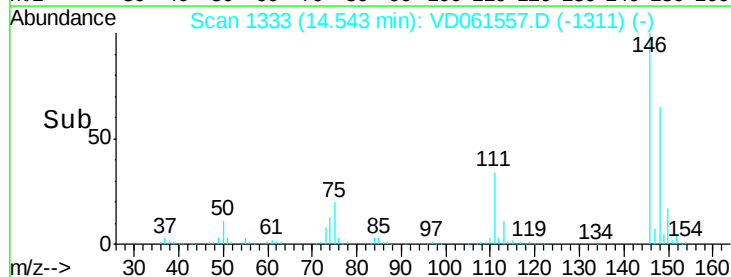
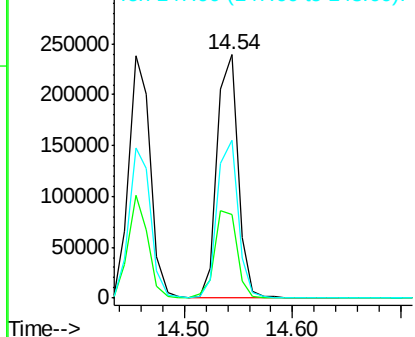


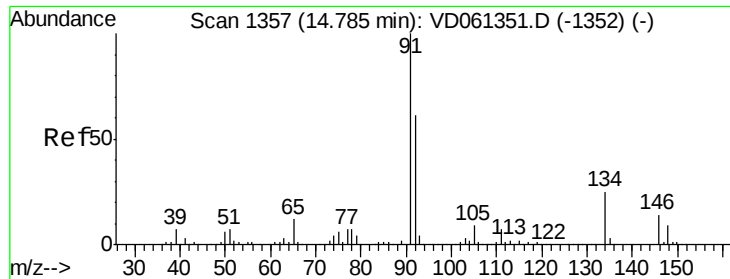
#88
 1,4-Dichlorobenzene
 Concen: 23.228 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion:146 Resp: 323404
 Ion Ratio Lower Upper
 146 100
 111 34.2 16.8 50.4
 148 64.8 32.6 98.0



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

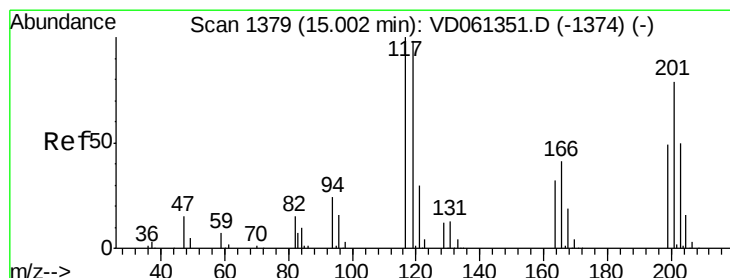
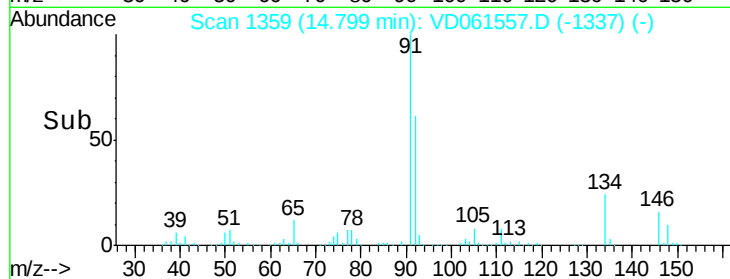
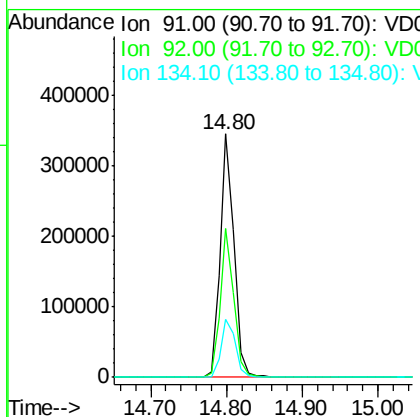
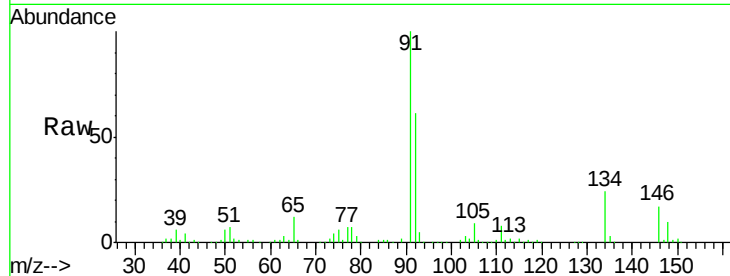




#89
n-Butylbenzene
Concen: 19.699 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

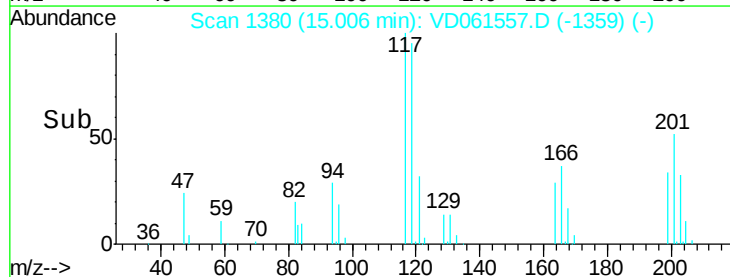
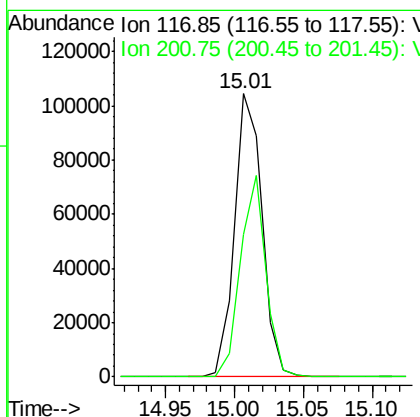
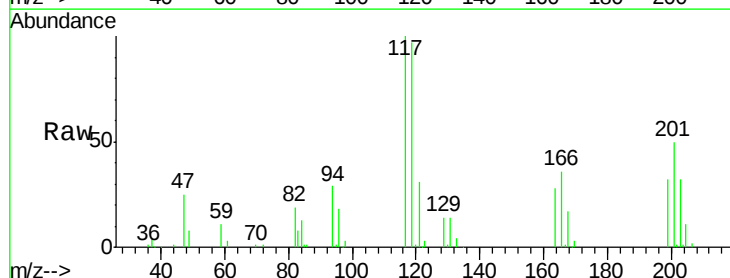
Instrument :
MSVOA_D
ClientSampleID :

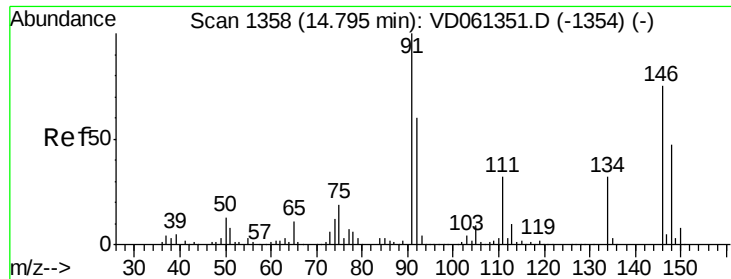
Tot Ion: 91 Resp: 447895
Ion Ratio Lower Upper
91 100
92 61.1 30.3 91.0
134 23.6 12.4 37.0



#90
Hexachloroethane
Concen: 20.817 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 117 Resp: 145685
Ion Ratio Lower Upper
117 100
201 50.3 39.6 119.0

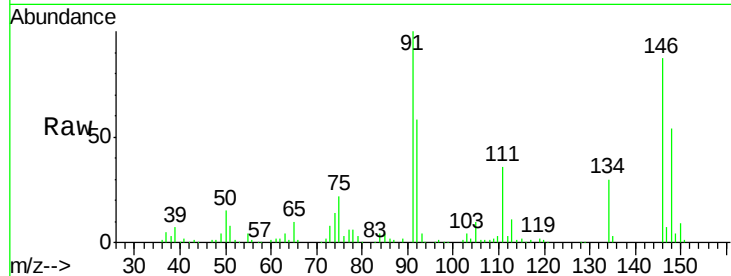




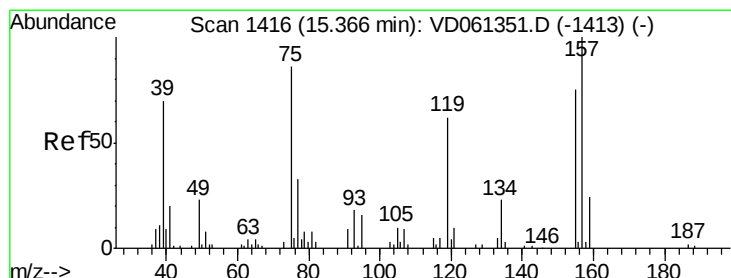
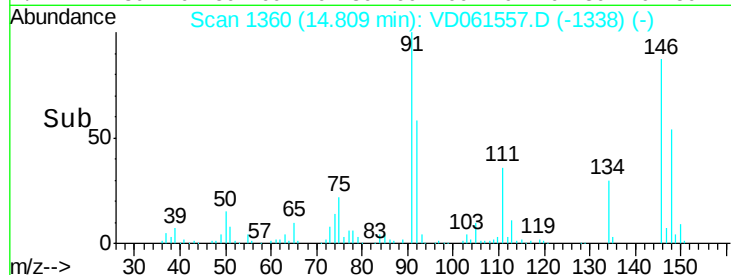
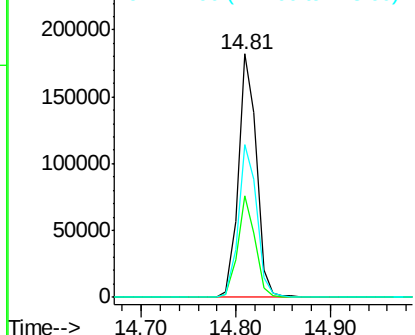
#91
 1,2-Dichlorobenzene
 Concen: 20.685 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:146 Resp: 242239
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.2 63.6
 148 62.5 31.6 95.0

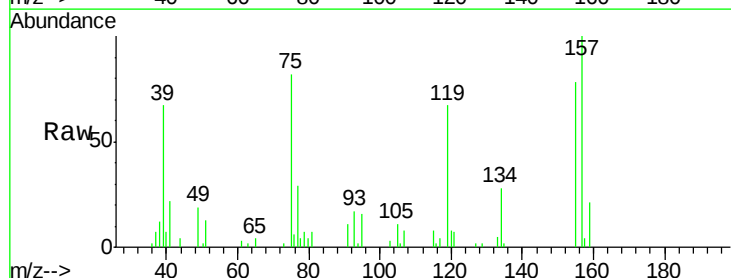


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

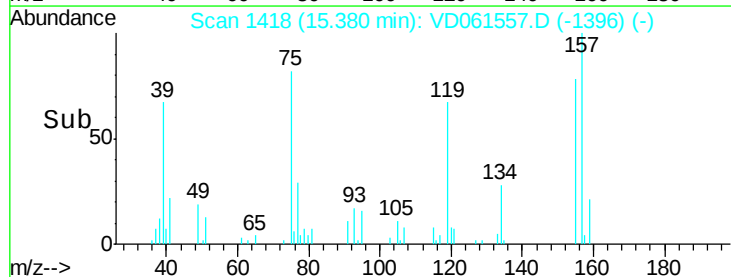
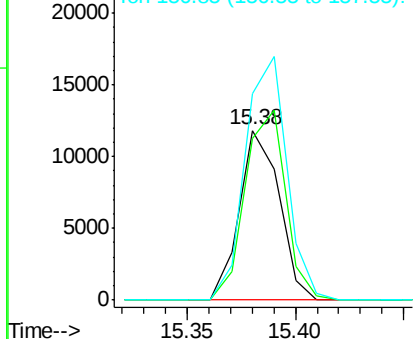


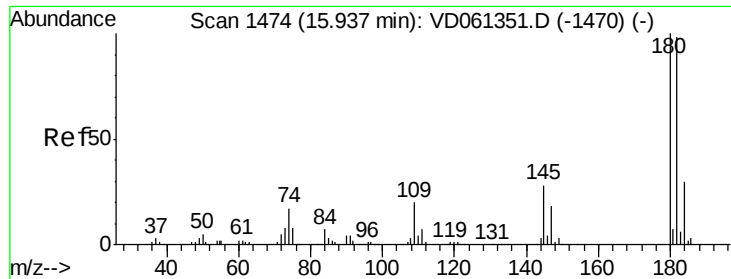
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.517 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion: 75 Resp: 15140
 Ion Ratio Lower Upper
 75 100
 155 95.3 43.6 130.9
 157 121.9 58.5 175.3



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

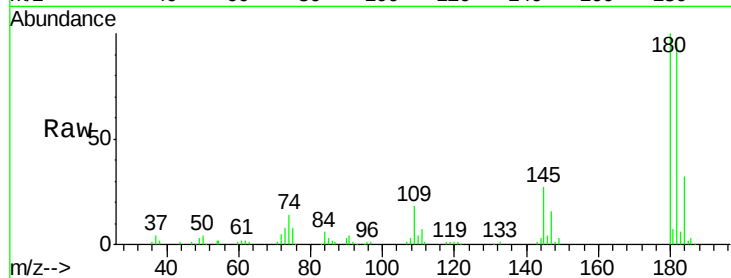




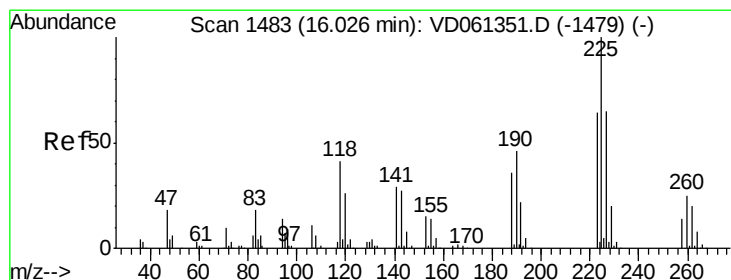
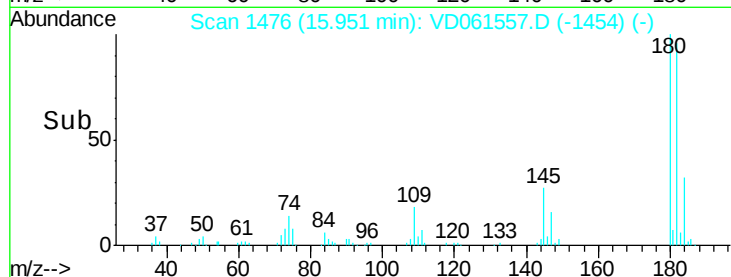
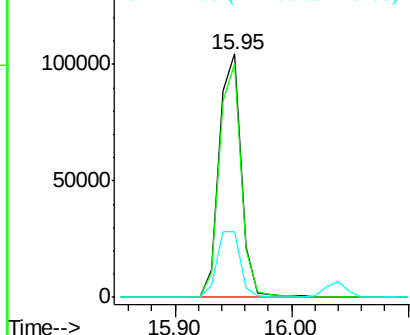
#93
 1,2,4-Trichlorobenzene
 Concen: 25.759 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 137416
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.9 146.8
 145 27.2 14.1 42.3

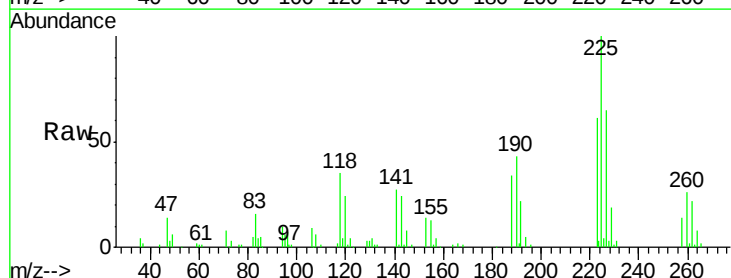


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

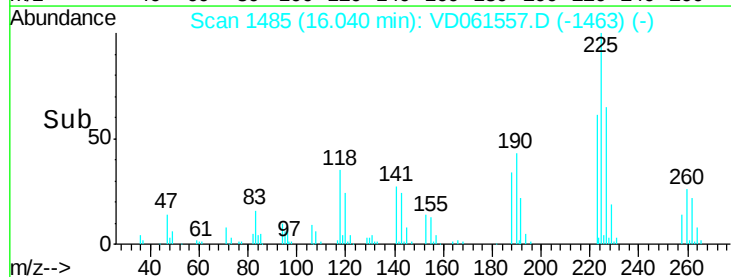
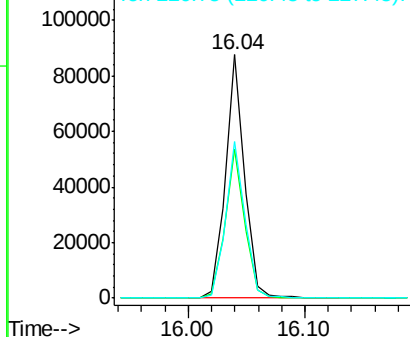


#94
 Hexachlorobutadiene
 Concen: 23.707 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion:225 Resp: 98827
 Ion Ratio Lower Upper
 225 100
 223 61.4 32.0 96.0
 227 64.5 32.4 97.2



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

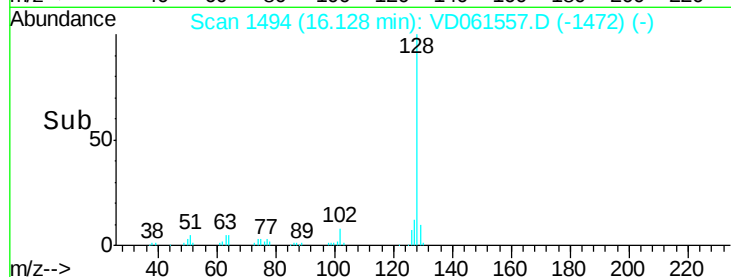
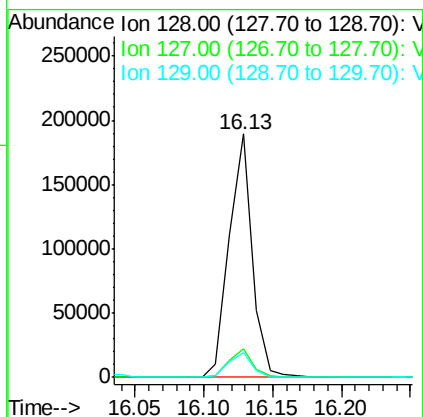
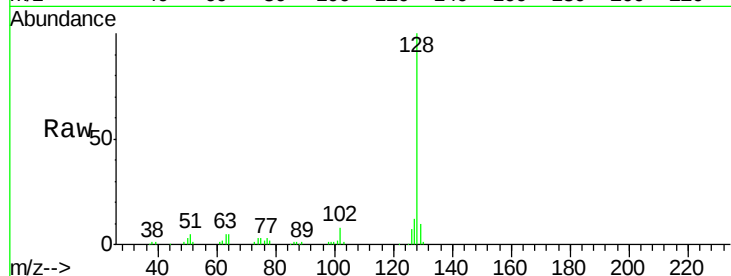




#95
Naphthalene
Concen: 27.157 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 220832
Ion Ratio Lower Upper
128 100
127 11.9 9.9 14.9
129 10.3 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 29.669 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion:180 Resp: 69650
Ion Ratio Lower Upper
180 100
182 100.0 46.4 139.1
145 28.8 15.3 45.9

