

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058378.D
 Acq On : 24 Jun 2018 18:14
 Operator : VA/AP
 Sample : J3671-20
 Misc : 6.22g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 04:04:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	723018	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	937840	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.71	117	559007	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.91	152	299984	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	388996	53.27	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.54%	
35) Dibromofluoromethane	5.56	113	415560	54.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.88%	
50) Toluene-d8	8.72	98	894236	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
62) 4-Bromofluorobenzene	11.94	95	338539	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.35	85	1066	Below Cal	# 19
4) Vinyl Chloride	1.55	62	1399570	369.517	ug/l 97
5) Bromomethane	1.73	94	250	Below Cal	88
6) Chloroethane	1.89	64	38174	25.890	ug/l 97
11) Tert butyl alcohol	3.26	59	6907	28.676	ug/l # 78
16) Acetone	2.62	43	85721	85.829	ug/l # 84
20) Methylene Chloride	3.08	84	20208	3.300	ug/l # 87
24) 1,1-Dichloroethane	3.98	63	222822	18.012	ug/l 96
25) 2-Butanone	4.84	43	32585	14.969	ug/l 98
27) cis-1,2-Dichloroethene	4.82	96	70511	10.394	ug/l 86
29) Tetrahydrofuran	5.20	42	9162	7.907	ug/l # 85
31) Cyclohexane	5.61	56	84282	4.642	ug/l # 88
36) 1,1-Dichloropropene	5.66	75	53960	5.816	ug/l # 49
37) Ethyl Acetate	4.84	43	32585	6.164	ug/l # 1
38) Carbon Tetrachloride	5.66	117	59635	6.469	ug/l # 15
39) Methylcyclohexane	7.30	83	442211	48.935	ug/l 98
40) Benzene	6.03	78	2516363	113.861	ug/l 99
41) Methacrylonitrile	5.20	41	7166	2.807	ug/l # 45
43) Isopropyl Acetate	7.66	43	11862	1.683	ug/l # 48
44) Trichloroethene	7.00	130	14169	2.135	ug/l 86
48) Methyl methacrylate	7.49	41	8214	1.918	ug/l # 36
49) 1,4-Dioxane	7.51	88	880	22.760	ug/l # 1
51) 4-Methyl-2-Pentanone	8.67	43	8371	1.821	ug/l 94
52) Toluene	8.82	92	92227	7.329	ug/l 96
55) 1,1,2-Trichloroethane	9.39	97	48069	10.796	ug/l # 18
56) Ethyl methacrylate	9.39	69	10590	1.989	ug/l # 1
59) 2-Hexanone	9.75	43	86429	26.020	ug/l # 36
65) Chlorobenzene	10.77	112	15379558	1470.813	ug/l 97
67) Ethyl Benzene	10.87	91	100931	5.467	ug/l 99
68) m/p-Xylenes	11.02	106	9555	1.552	ug/l # 70
69) o-Xylene	11.42	106	30722	5.225	ug/l 94
73) Isopropylbenzene	11.78	105	881132	49.106	ug/l 98
74) N-amyl acetate	11.68	43	408981	58.948	ug/l # 1
75) 1,1,2,2-Tetrachloroethane	12.10	83	94555	22.644	ug/l # 37

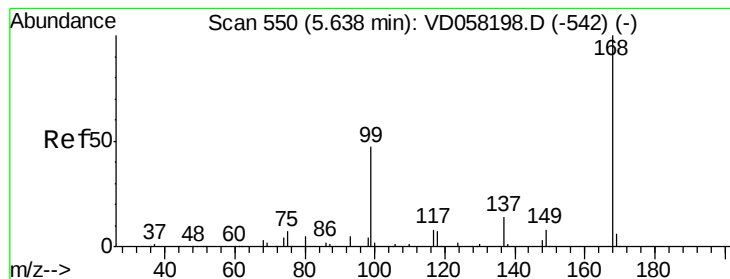
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058378.D
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 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) n-propylbenzene	12.16	91	179069	7.728	uq/l	99
81) trans-1,4-Dichloro-2-buten	11.78	75	11301	10.579	uq/l #	52
82) 4-Chlorotoluene	12.41	91	4071	Below Cal		83
83) tert-Butylbenzene	12.59	119	774215	48.117	uq/l	99
84) 1,2,4-Trimethylbenzene	12.48	105	610694	40.143	uq/l	80
85) sec-Butylbenzene	12.76	105	1721497	91.276	uq/l	91
86) p-Isopropyltoluene	12.89	119	25422	1.663	uq/l #	78
87) 1,3-Dichlorobenzene	12.85	146	732519	78.436	uq/l	96
88) 1,4-Dichlorobenzene	12.94	146	3194296	350.262	uq/l	97
89) n-Butylbenzene	13.20	91	253232	15.765	uq/l	89
90) Hexachloroethane	13.42	117	25184	6.348	uq/l #	1
91) 1,2-Dichlorobenzene	13.21	146	4132556	519.984	uq/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	4120	6.200	uq/l #	1
93) 1,2,4-Trichlorobenzene	14.35	180	28784	3.787	uq/l #	76
95) Naphthalene	14.52	128	20536	2.051	uq/l #	90

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

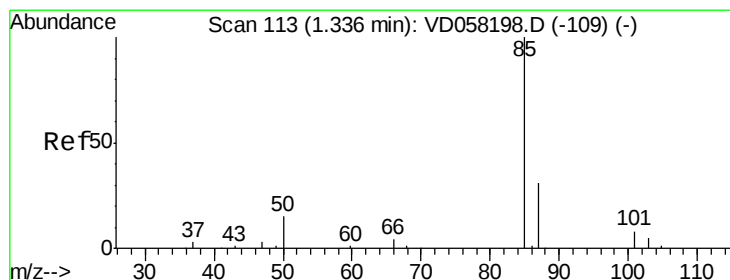
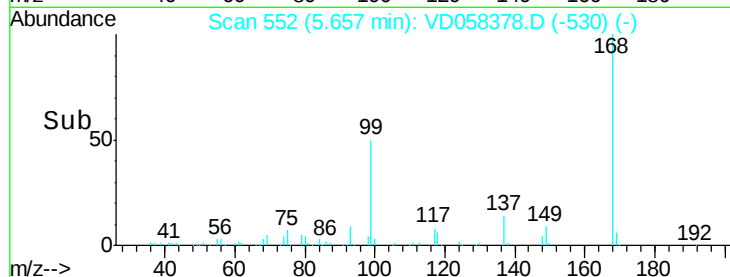
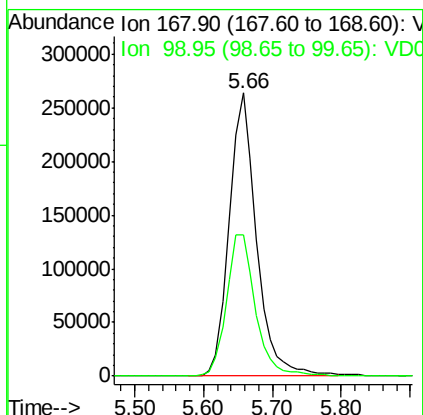
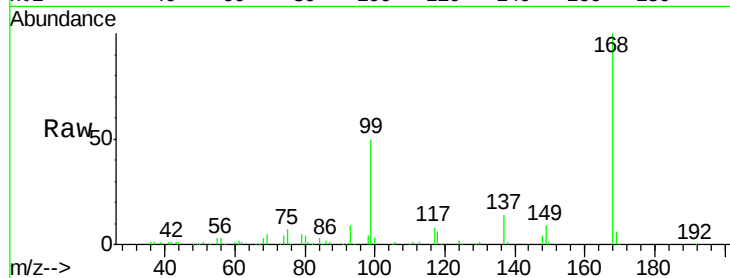


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 552
 Delta R.T. 0.02 min
 Lab File: VD058378.D
 Acq: 24 Jun 2018 18:14

Instrument :
 MSVOA_D
 ClientSampleId :

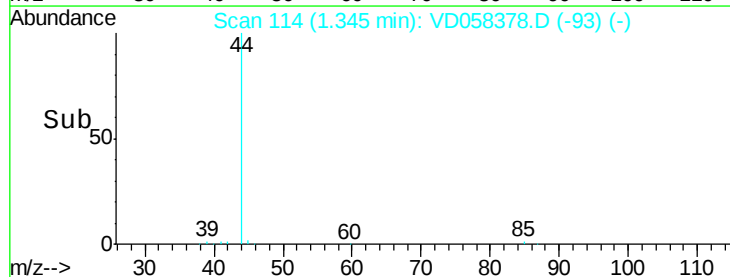
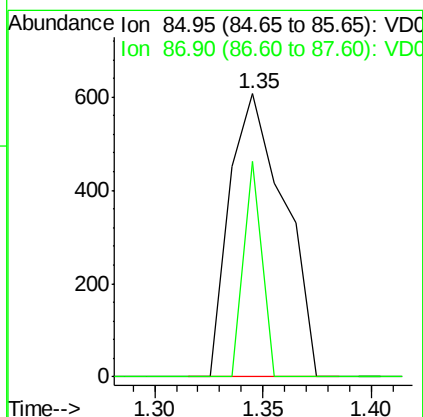
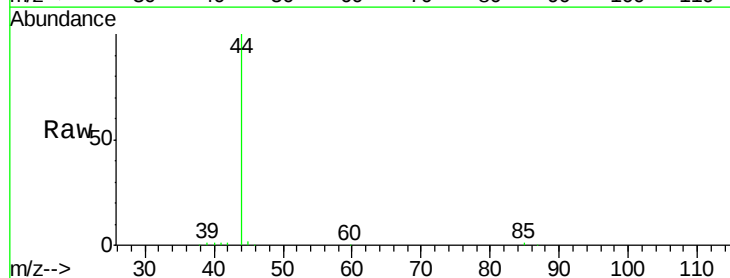
Tot Ion:168 Resp: 723018
 Ion Ratio Lower Upper
 168 100
 99 49.9 41.1 61.7

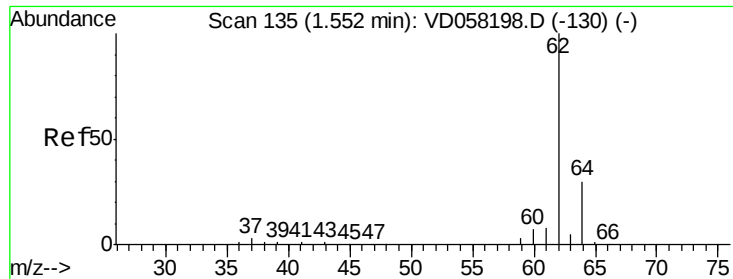


#2

Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.35 min Scan# 114
 Delta R.T. 0.01 min
 Lab File: VD058378.D
 Acq: 24 Jun 2018 18:14

Tgt Ion: 85 Resp: 1066
 Ion Ratio Lower Upper
 85 100
 87 76.1 15.7 47.0#





#4

Vinyl Chloride

Concen: 369.517 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

Instrument :

MSVOA_D

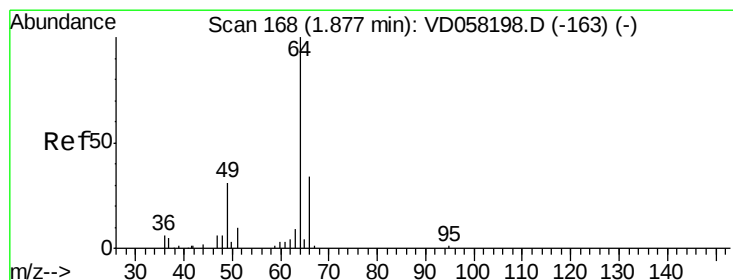
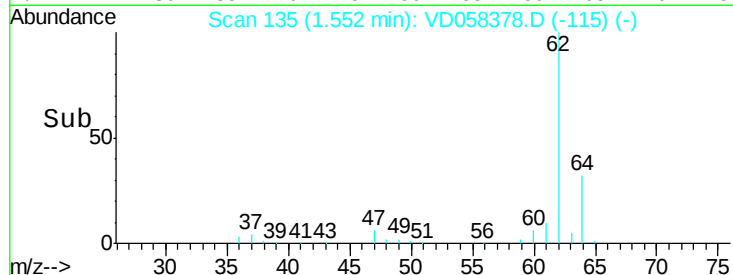
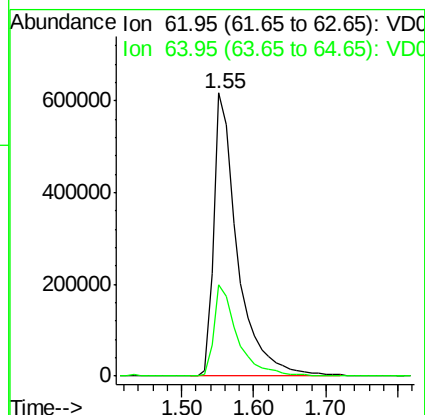
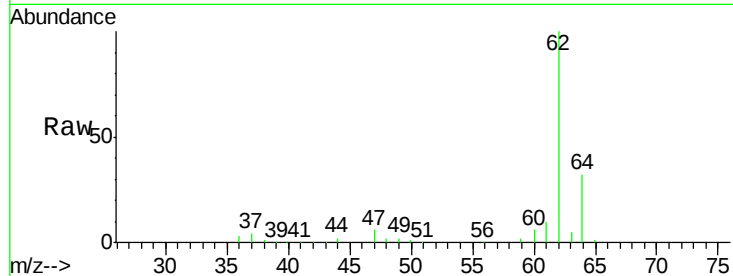
ClientSampleId :

Tot Ion: 62 Resp: 1399570

Ion Ratio Lower Upper

62 100

64 32.3 24.4 36.6



#6

Chloroethane

Concen: 25.890 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.01 min

Lab File: VD058378.D

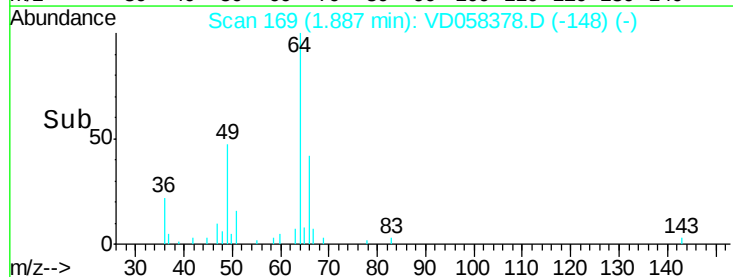
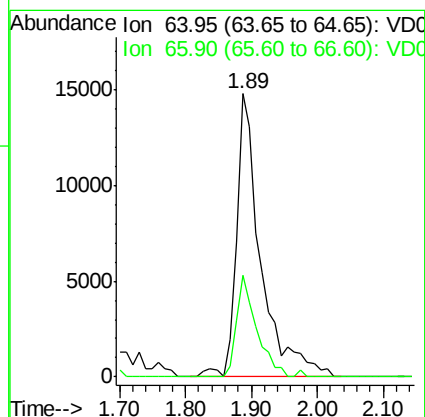
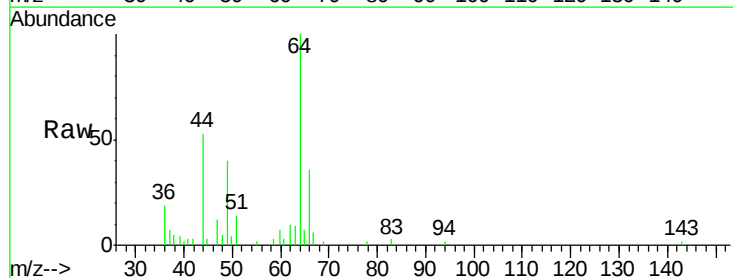
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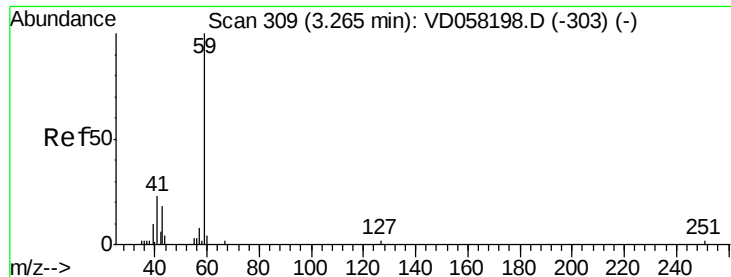
Tgt Ion: 64 Resp: 38174

Ion Ratio Lower Upper

64 100

66 35.9 27.3 40.9



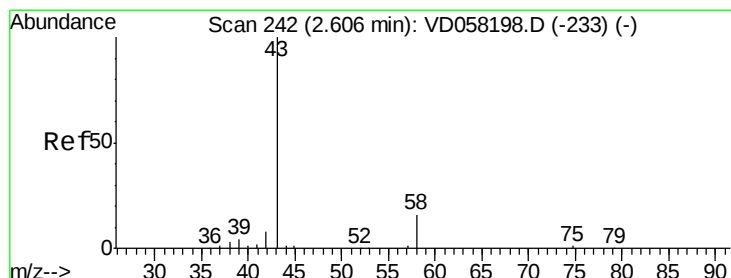
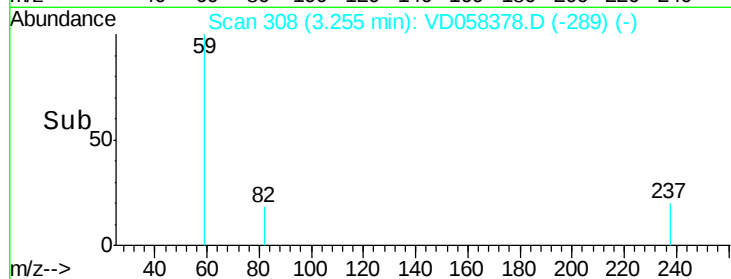
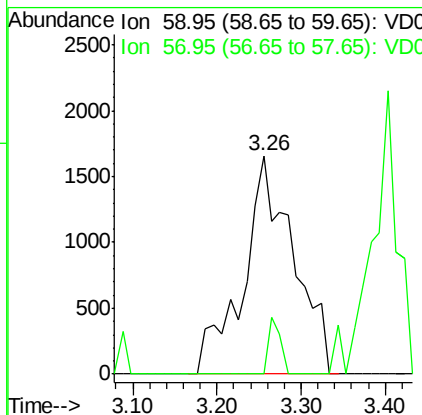
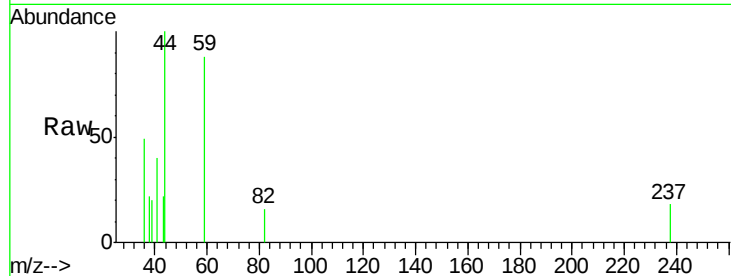


#11

Tert butyl alcohol
 Concen: 28.676 ug/l
 RT: 3.26 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VD058378.D
 Acq: 24 Jun 2018 18:14

Instrument :
 MSVOA_D
 ClientSampleID :

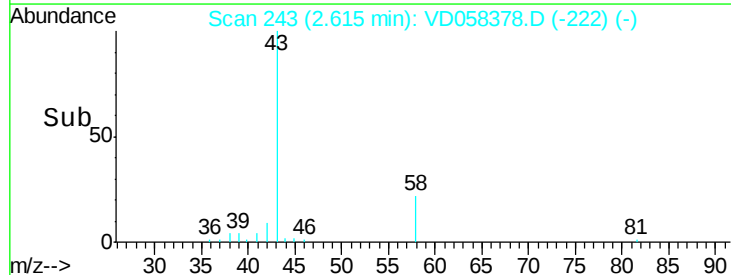
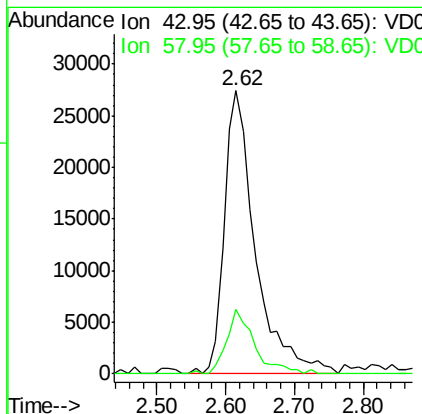
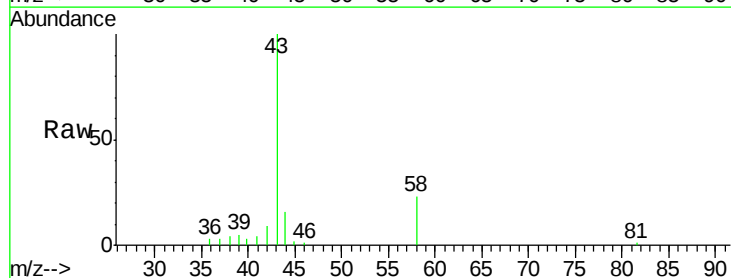
Tot Ion: 59 Resp: 6907
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.2 9.4#

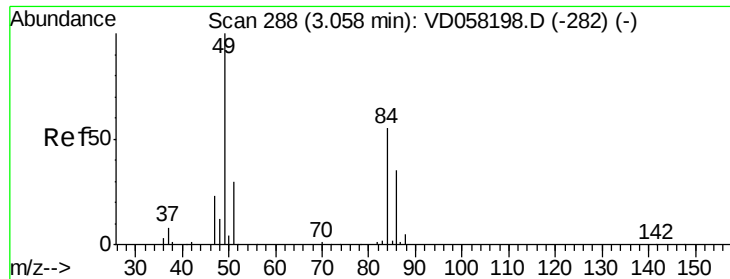


#16

Acetone
 Concen: 85.829 ug/l
 RT: 2.62 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VD058378.D
 Acq: 24 Jun 2018 18:14

Tgt Ion: 43 Resp: 85721
 Ion Ratio Lower Upper
 43 100
 58 22.6 12.7 19.1#

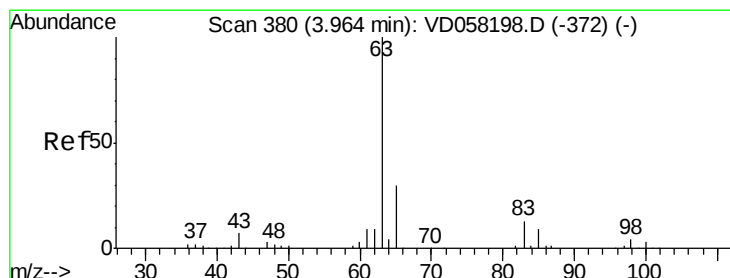
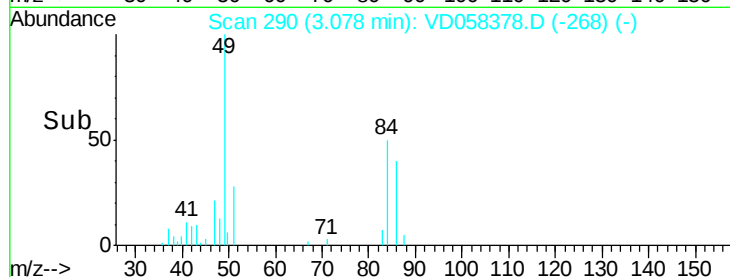
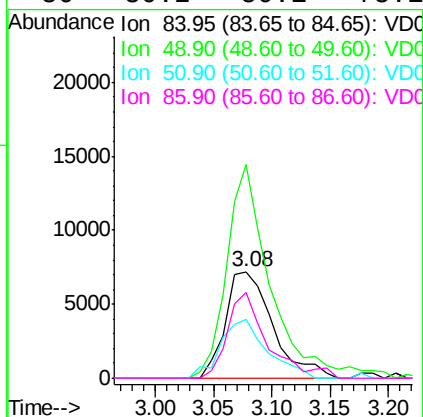
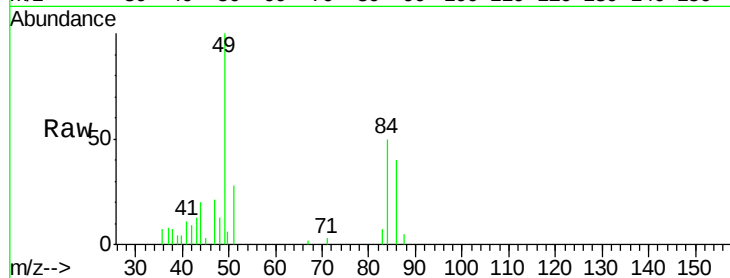




#20
Methvlene Chloride
Concen: 3.300 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058378.D
Acq: 24 Jun 2018 18:14

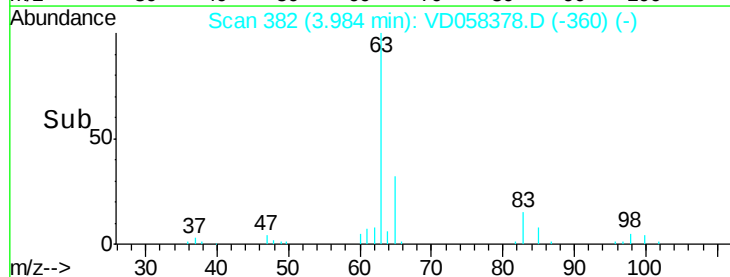
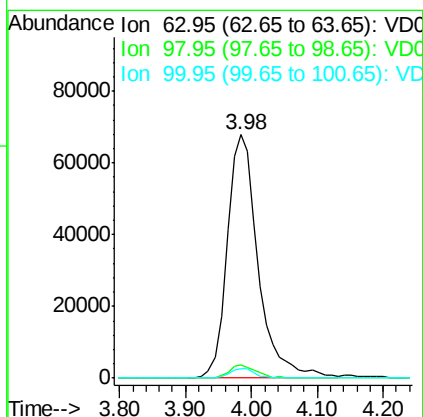
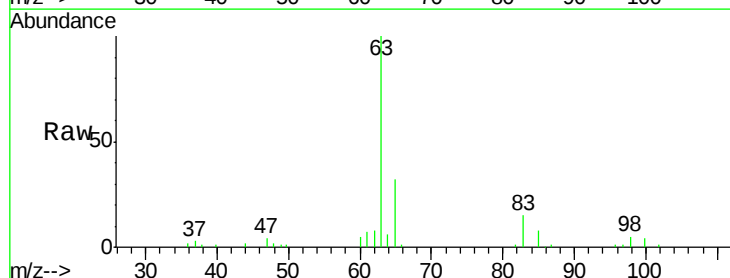
Instrument :
MSVOA_D
ClientSampleId :

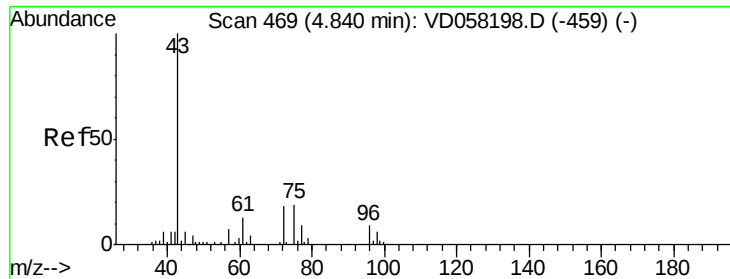
Tot Ion: 84 Resp: 20208
Ion Ratio Lower Upper
84 100
49 200.2 145.0 217.6
51 55.6 42.9 64.3
86 80.2 50.1 75.1#



#24
1,1-Dichloroethane
Concen: 18.012 ug/l
RT: 3.98 min Scan# 382
Delta R.T. 0.02 min
Lab File: VD058378.D
Acq: 24 Jun 2018 18:14

Tgt Ion: 63 Resp: 222822
Ion Ratio Lower Upper
63 100
98 5.4 1.9 5.7
100 3.6 1.3 3.9





#25

2-Butanone

Concen: 14.969 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

Instrument :

MSVOA_D

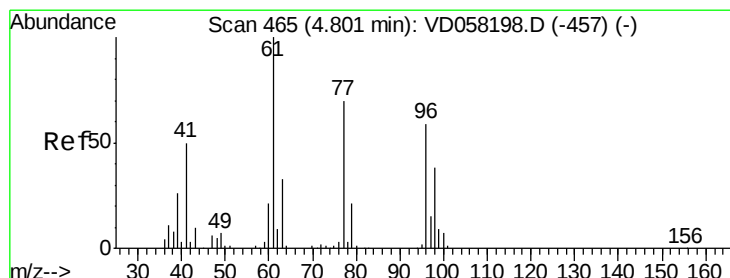
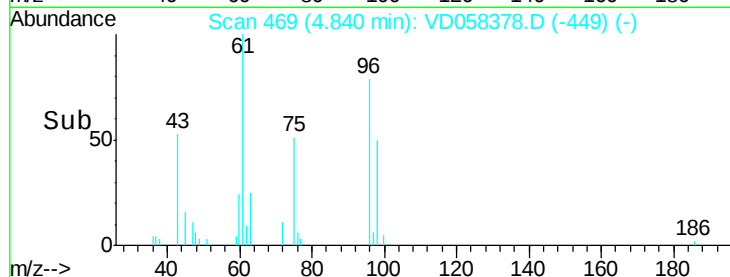
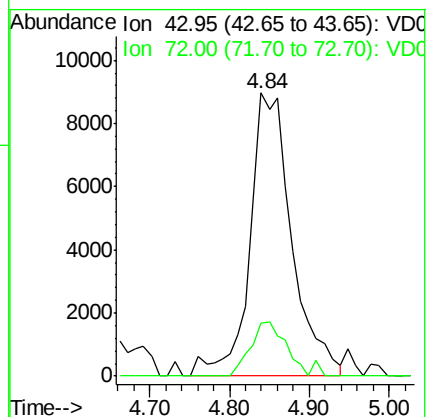
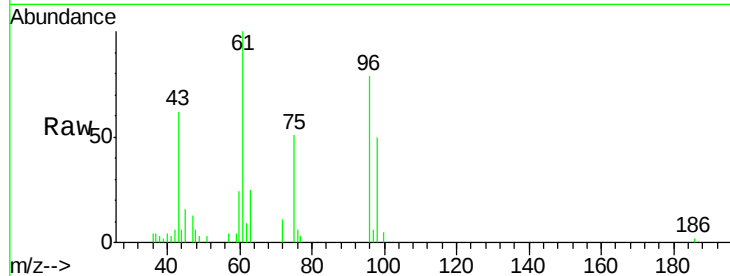
ClientSampleId :

Tot Ion: 43 Resp: 32585

Ion Ratio Lower Upper

43 100

72 18.6 14.1 21.1



#27

cis-1,2-Dichloroethene

Concen: 10.394 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

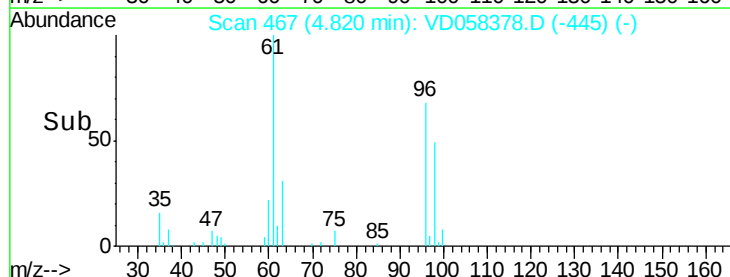
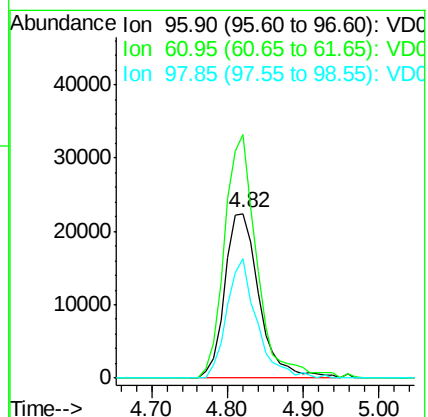
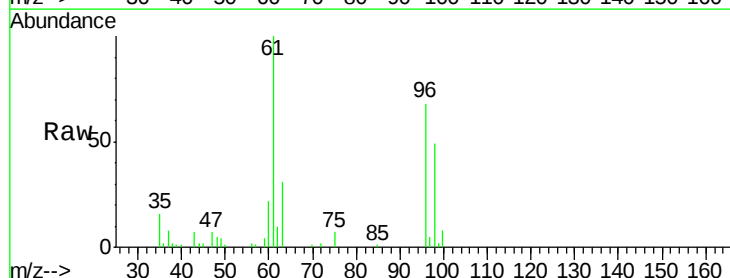
Tgt Ion: 96 Resp: 70511

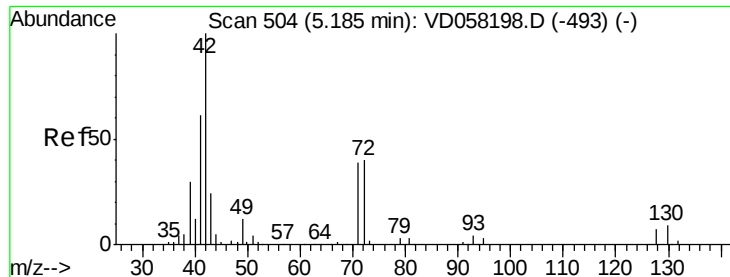
Ion Ratio Lower Upper

96 100

61 148.1 0.0 338.6

98 72.8 0.0 130.2

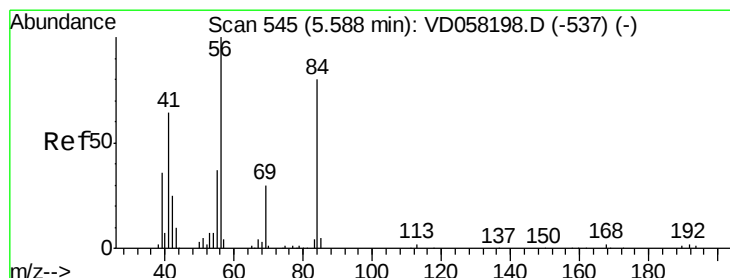
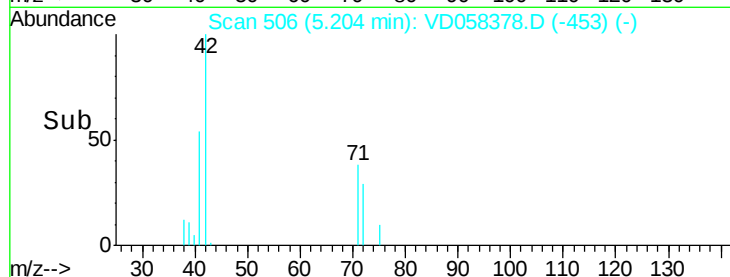
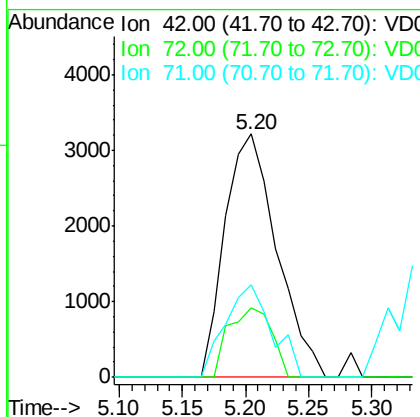
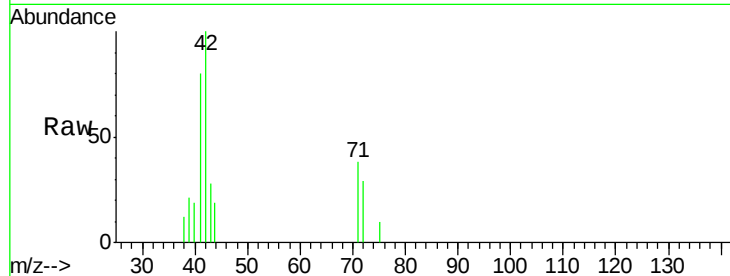




#29
Tetrahydrofuran
Concen: 7.907 ug/l
RT: 5.20 min Scan# 506
Delta R.T. 0.02 min
Lab File: VD058378.D
Acq: 24 Jun 2018 18:14

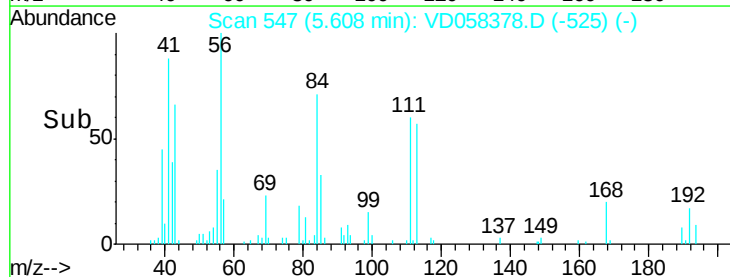
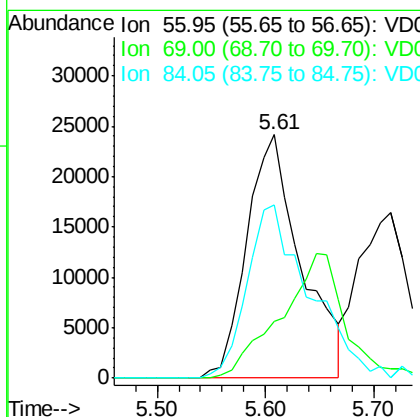
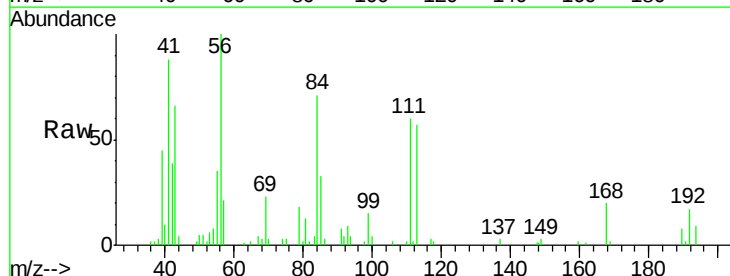
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MSVOA_D
ClientSampleId :

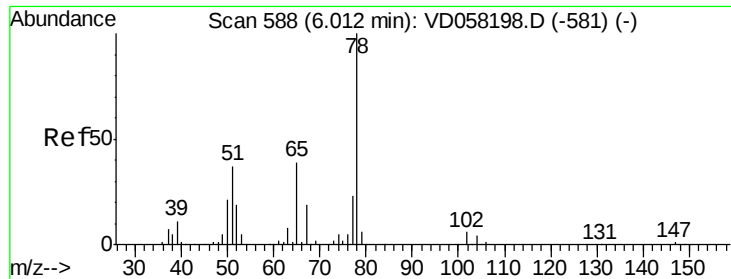
Tot Ion: 42 Resp: 9162
Ion Ratio Lower Upper
42 100
72 23.6 30.2 45.2#
71 33.9 30.1 45.1



#31
Cyclohexane
Concen: 4.642 ug/l
RT: 5.61 min Scan# 547
Delta R.T. 0.02 min
Lab File: VD058378.D
Acq: 24 Jun 2018 18:14

Tgt Ion: 56 Resp: 84282
Ion Ratio Lower Upper
56 100
69 23.1 23.6 35.4#
84 71.4 65.2 97.8





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

Instrument :

MSVOA_D

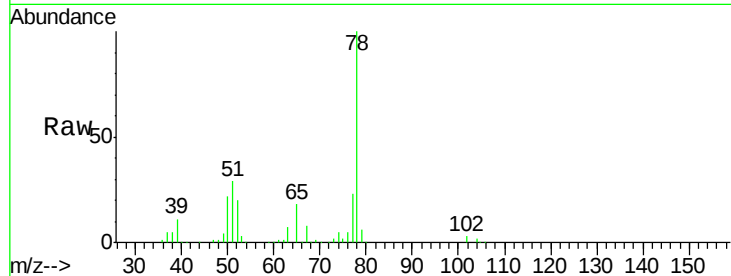
ClientSampleId :

Tot Ion: 65 Resp: 388996

Ion Ratio Lower Upper

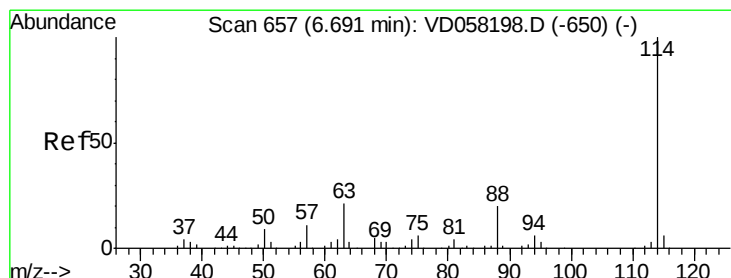
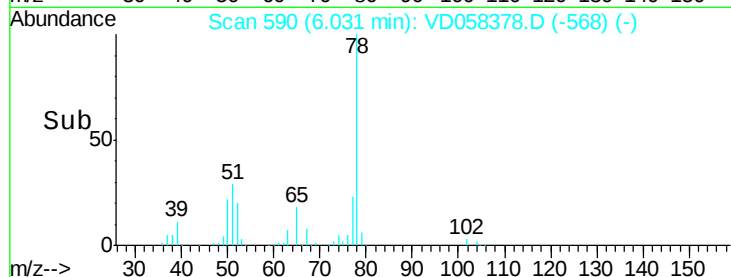
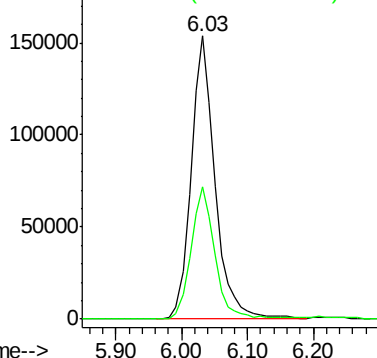
65 100

67 46.9 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

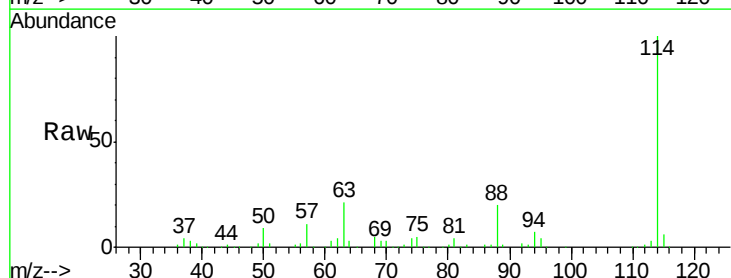
Tgt Ion: 114 Resp: 937840

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

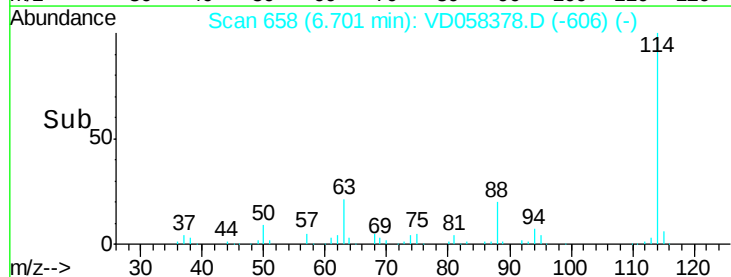
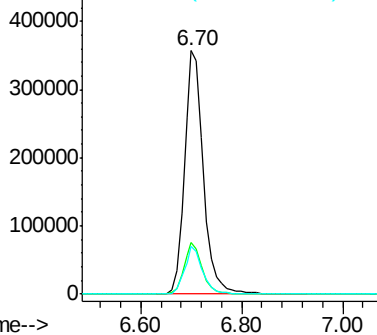
88 19.7 0.0 40.6

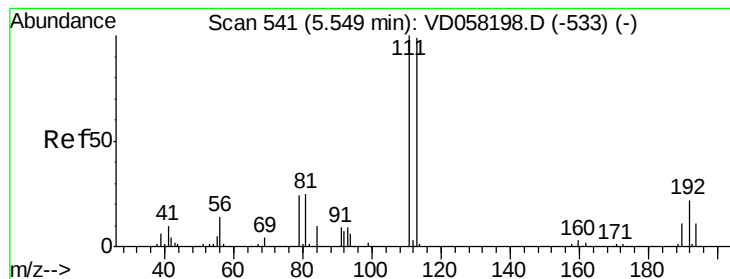


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

Instrument :
MSVOA_D
ClientSampleId :

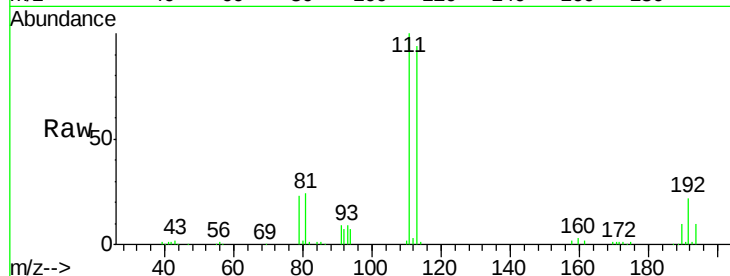
Tot Ion:113 Resp: 415560

Ion Ratio Lower Upper

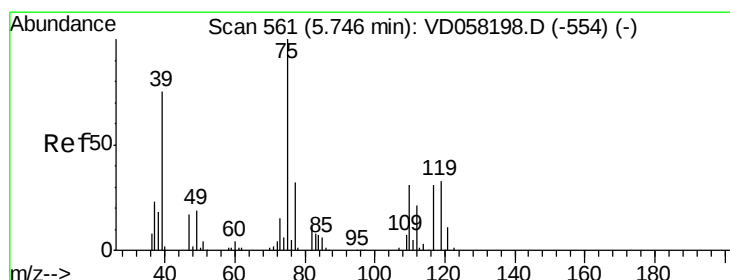
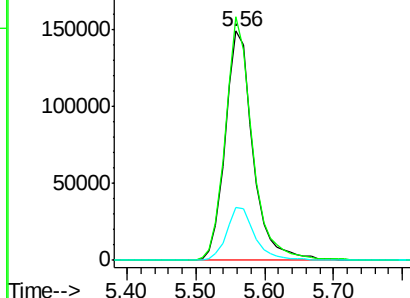
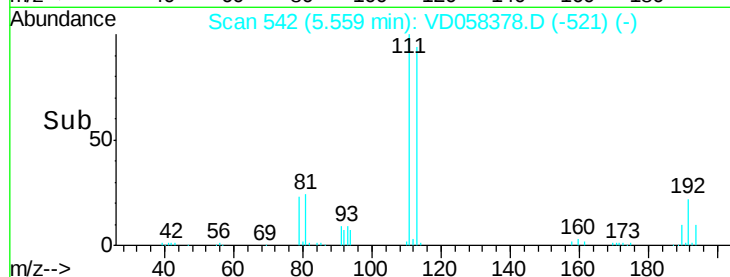
113 100

111 106.3 80.6 121.0

192 23.1 17.8 26.6



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: 5.816 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.09 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

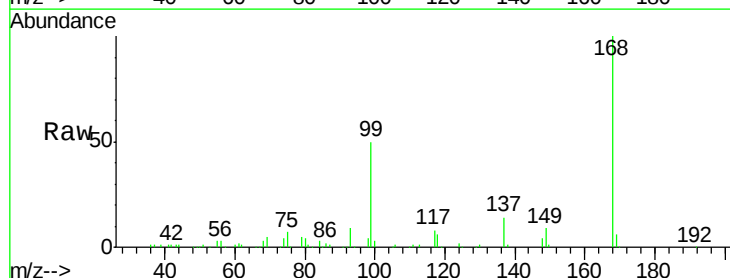
Tgt Ion: 75 Resp: 53960

Ion Ratio Lower Upper

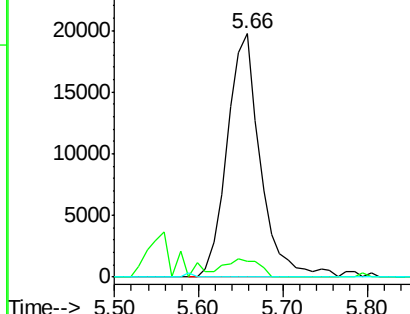
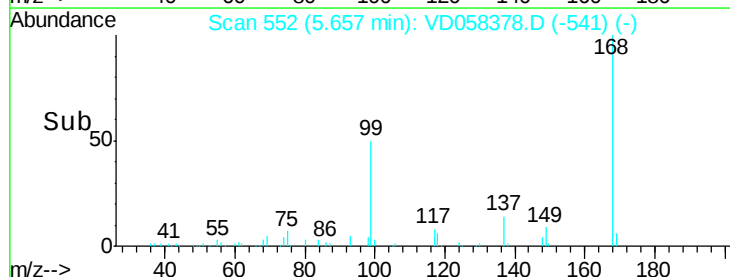
75 100

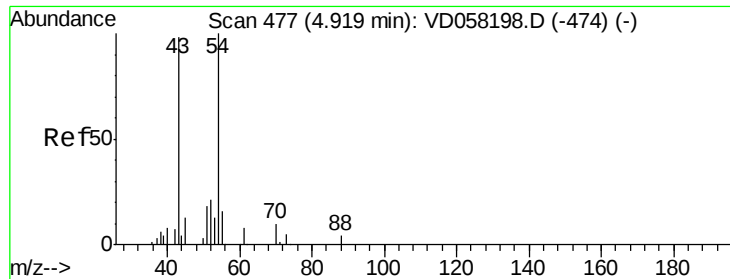
110 6.2 15.4 46.4#

77 0.0 25.4 38.2#



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





#37

Ethyl Acetate

Concen: 6.164 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.08 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

Instrument :

MSVOA_D

ClientSampleId :

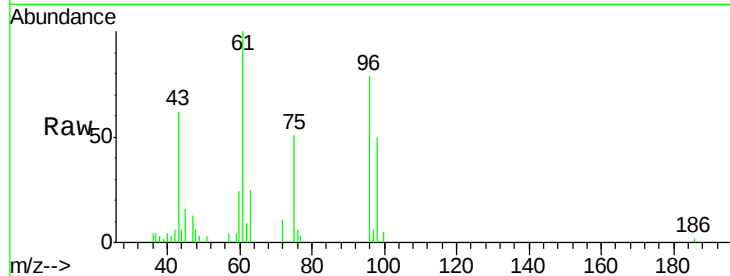
Tot Ion: 43 Resp: 32585

Ion Ratio Lower Upper

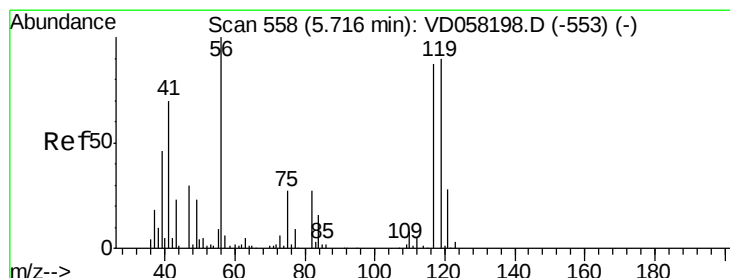
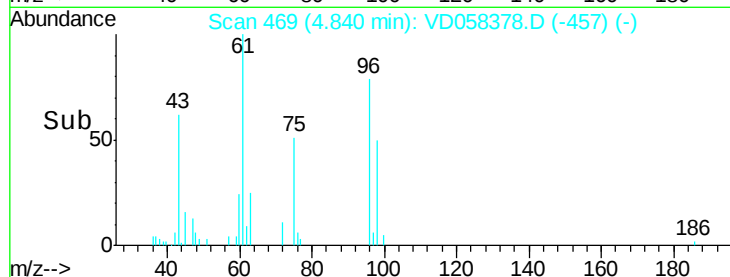
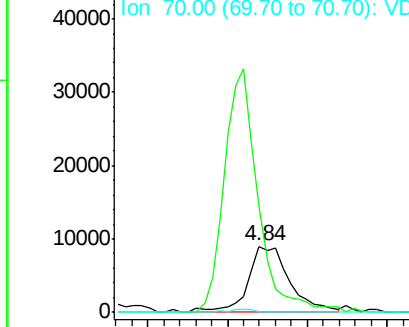
43 100

61 162.4 10.3 15.5#

70 0.0 5.7 8.5#



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: 6.469 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.06 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

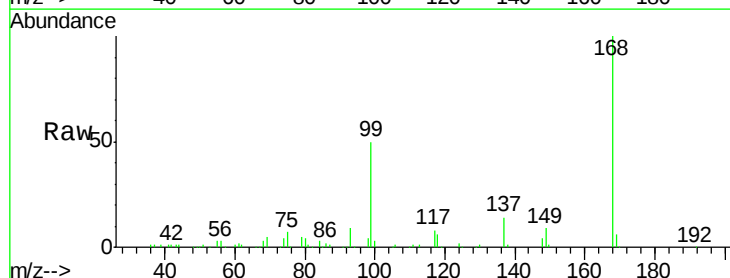
Tgt Ion: 117 Resp: 59635

Ion Ratio Lower Upper

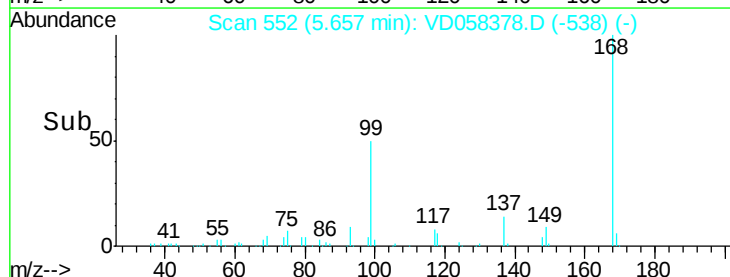
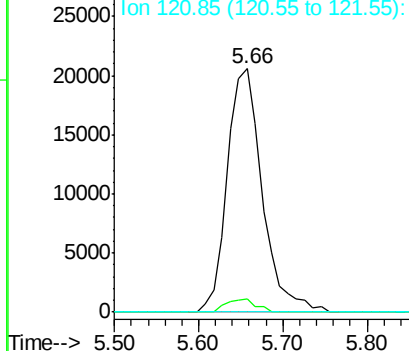
117 100

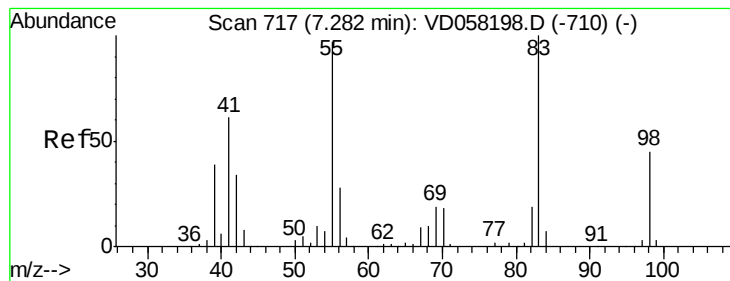
119 5.4 78.8 118.2#

121 0.0 25.0 37.6#



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: 48.935 ug/l

RT: 7.30 min Scan# 719

Delta R.T. 0.02 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

Instrument :

MSVOA_D

ClientSampled :

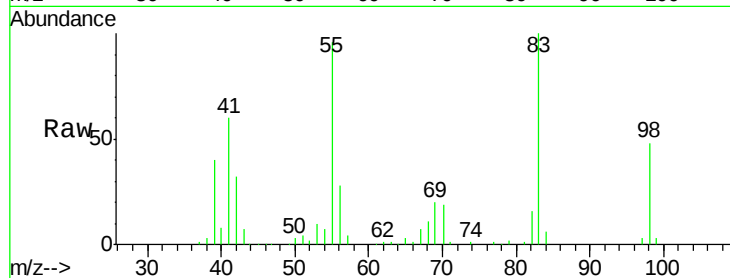
Tot Ion: 83 Resp: 442211

Ion Ratio Lower Upper

83 100

55 95.8 77.4 116.2

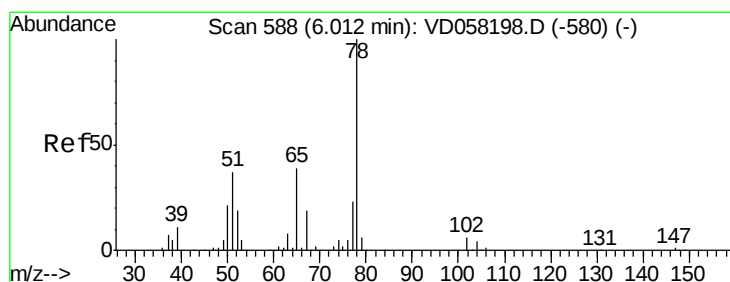
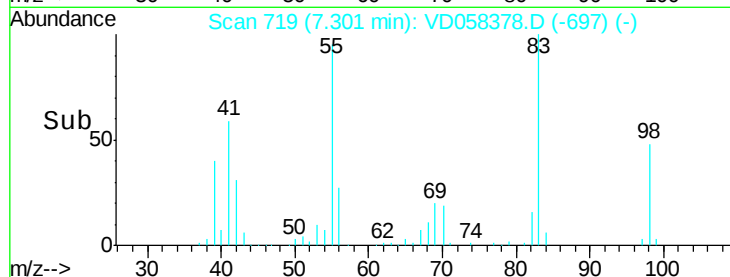
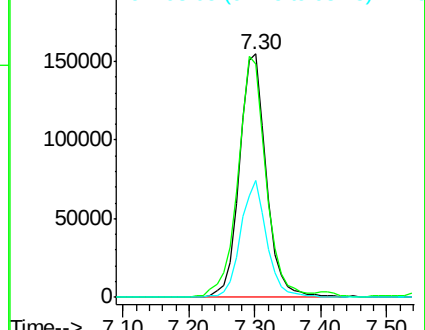
98 48.2 35.9 53.9



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: 113.861 ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058378.D

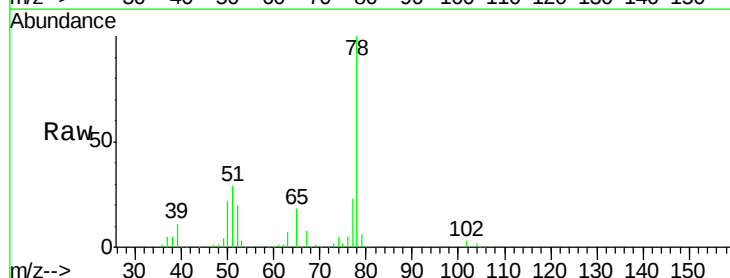
Acq: 24 Jun 2018 18:14

Tgt Ion: 78 Resp: 2516363

Ion Ratio Lower Upper

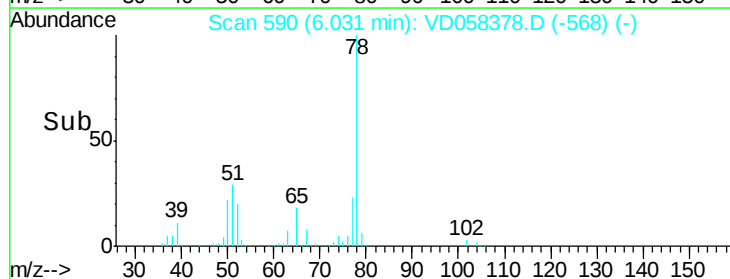
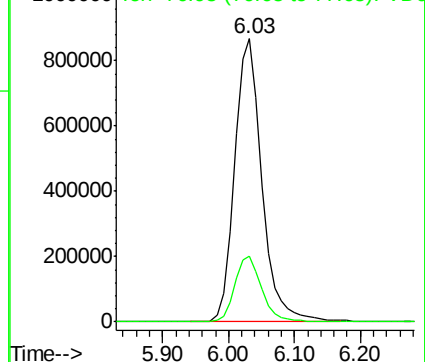
78 100

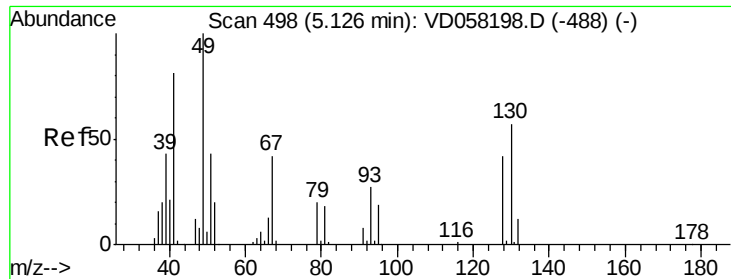
77 23.4 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

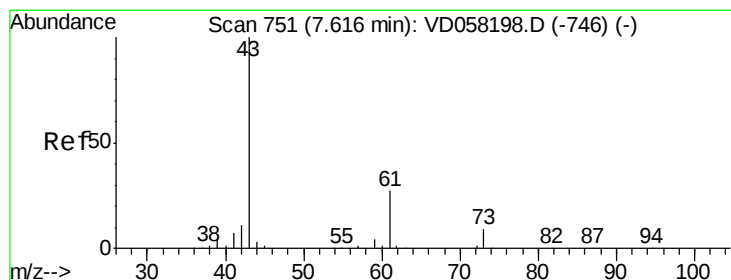
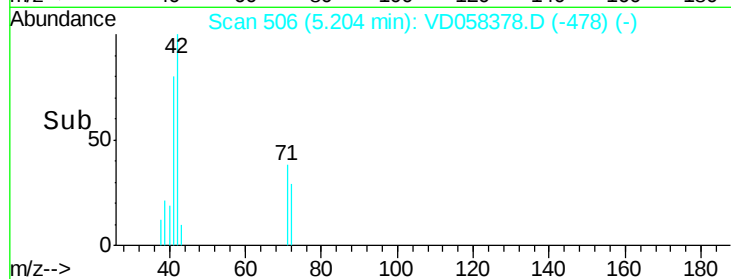
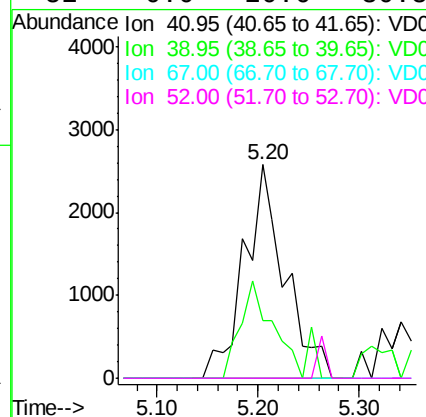
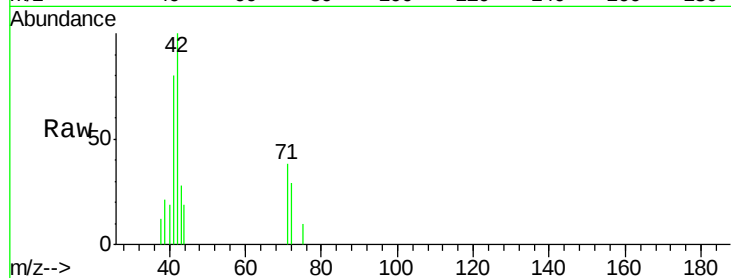




#41
Methacrylonitrile
Concen: 2.807 ug/l
RT: 5.20 min Scan# 506
Delta R.T. 0.08 min
Lab File: VD058378.D
Acq: 24 Jun 2018 18:14

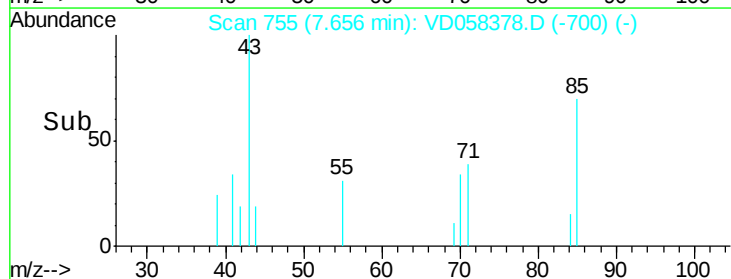
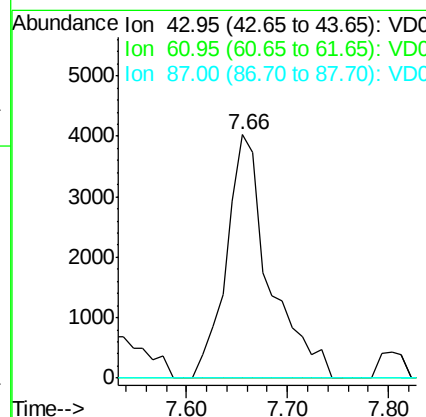
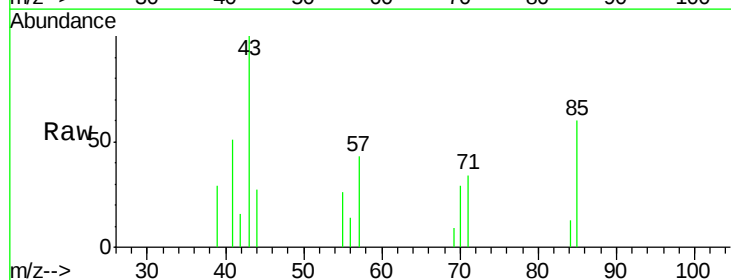
Instrument :
MSVOA_D
ClientSampleId :

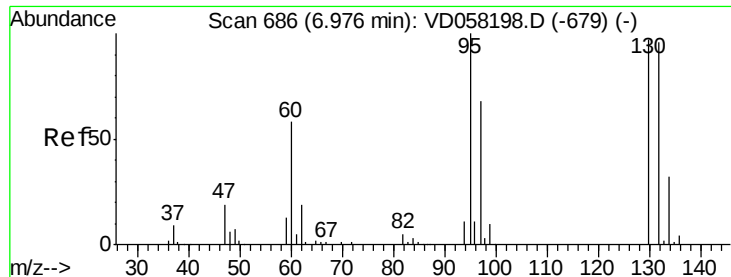
Tot Ion	Ratio	Lower	Upper
41	100		
39	26.7	43.4	65.2#
67	0.0	41.7	62.5#
52	0.0	20.6	30.8#



#43
Isopropyl Acetate
Concen: 1.683 ug/l
RT: 7.66 min Scan# 755
Delta R.T. 0.04 min
Lab File: VD058378.D
Acq: 24 Jun 2018 18:14

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.8	32.6#
87	0.0	0.3	0.5#





#44

Trichloroethene

Concen: 2.135 ug/l

RT: 7.00 min Scan# 688

Delta R.T. 0.02 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

Instrument :

MSVOA_D

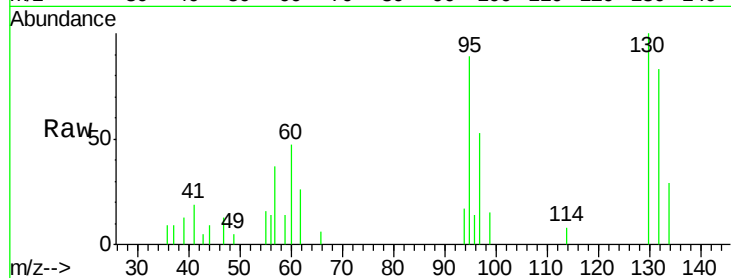
ClientSampleId :

Tot Ion:130 Resp: 14169

Ion Ratio Lower Upper

130 100

95 88.8 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

7.00

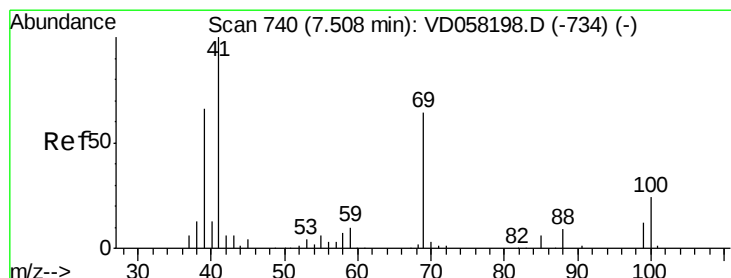
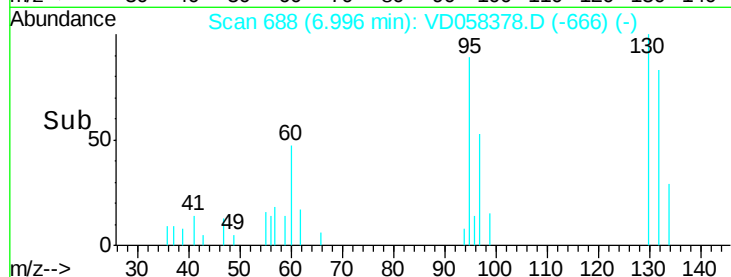
6000

4000

2000

0

Time--> 6.90 6.95 7.00 7.05



#48

Methyl methacrylate

Concen: 1.918 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.02 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

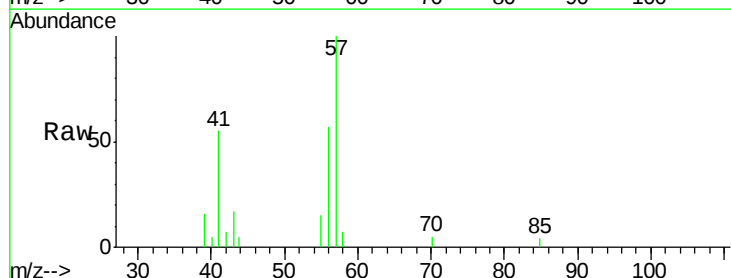
Tgt Ion: 41 Resp: 8214

Ion Ratio Lower Upper

41 100

69 0.0 50.7 76.1#

39 28.9 52.6 78.8#



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

10000

8000

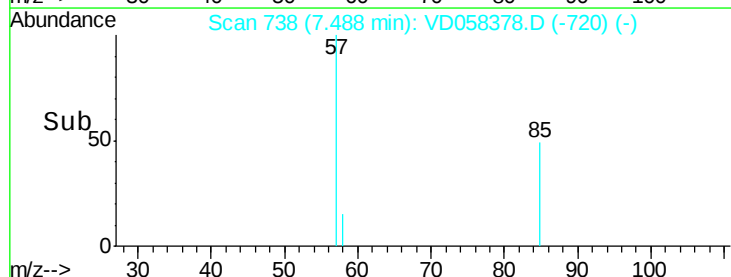
6000

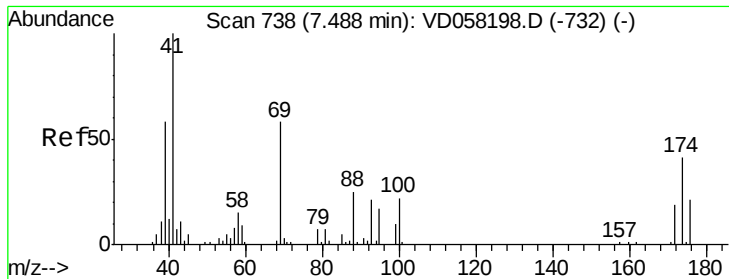
4000

2000

0

Time--> 7.45 7.50 7.55





#49

1,4-Dioxane

Concen: 22.760 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.02 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

Instrument :

MSVOA_D

ClientSampleId :

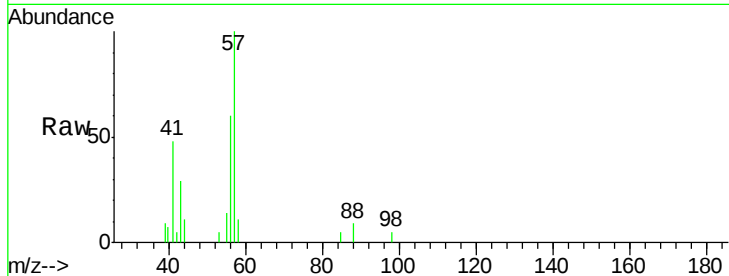
Tot Ion: 88 Resp: 880

Ion Ratio Lower Upper

88 100

43 322.5 34.2 51.2#

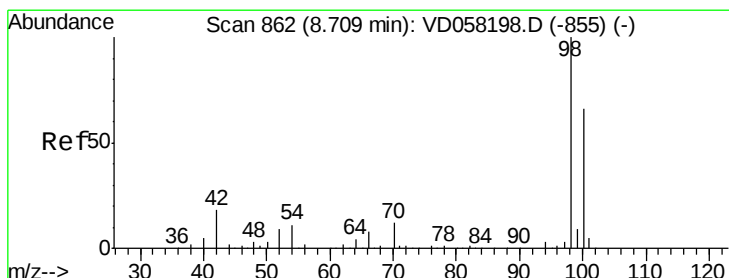
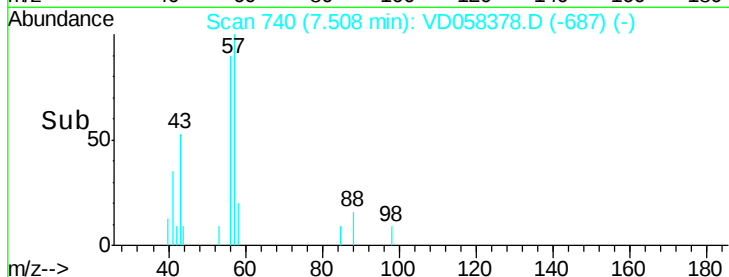
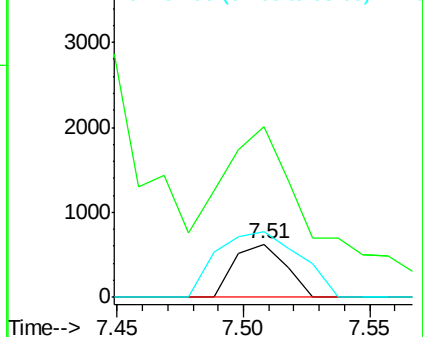
58 124.9 47.9 71.9#



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: 22.760 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058378.D

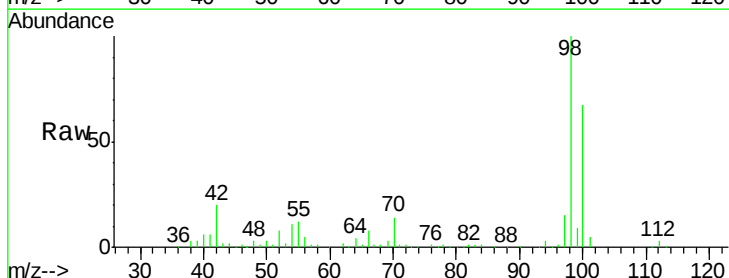
Acq: 24 Jun 2018 18:14

Tgt Ion: 98 Resp: 894236

Ion Ratio Lower Upper

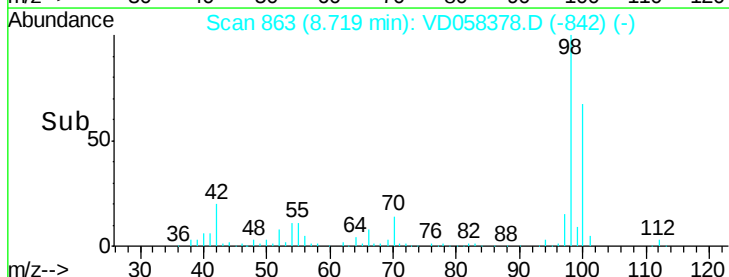
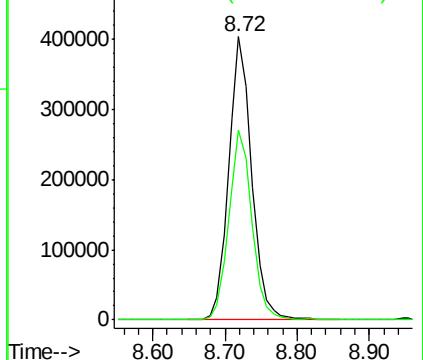
98 100

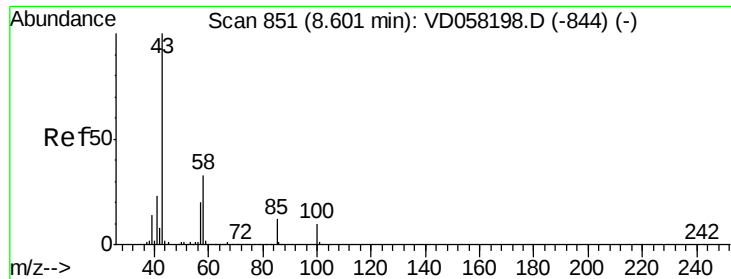
100 67.1 53.6 80.4



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: 1.821 ug/l

RT: 8.67 min Scan# 858

Delta R.T. 0.07 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

Instrument :

MSVOA_D

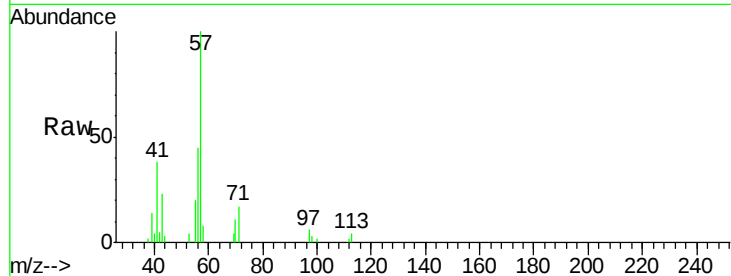
ClientSampleId :

Tot Ion: 43 Resp: 8371

Ion Ratio Lower Upper

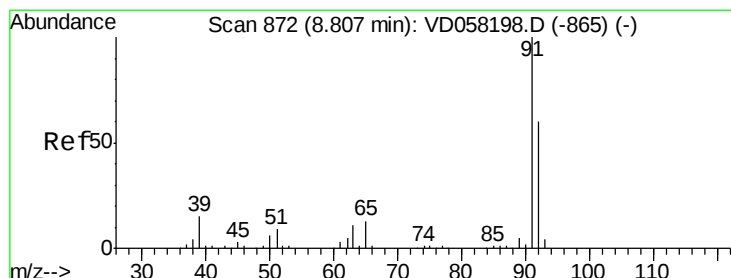
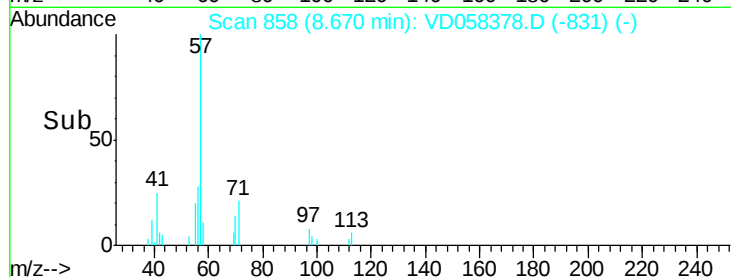
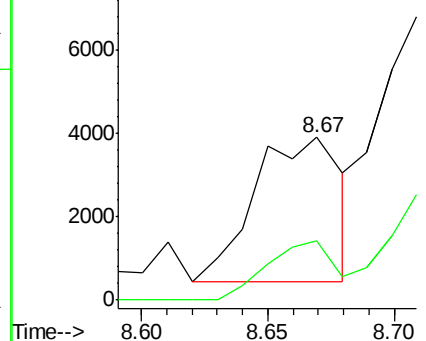
43 100

58 36.8 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 7.329 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058378.D

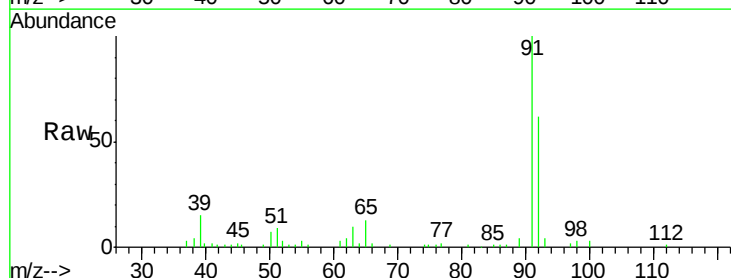
Acq: 24 Jun 2018 18:14

Tgt Ion: 92 Resp: 92227

Ion Ratio Lower Upper

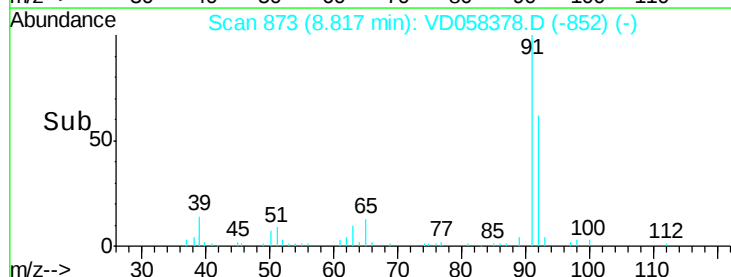
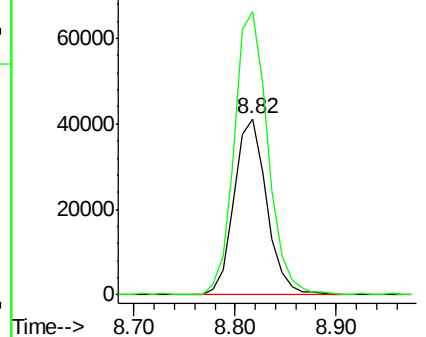
92 100

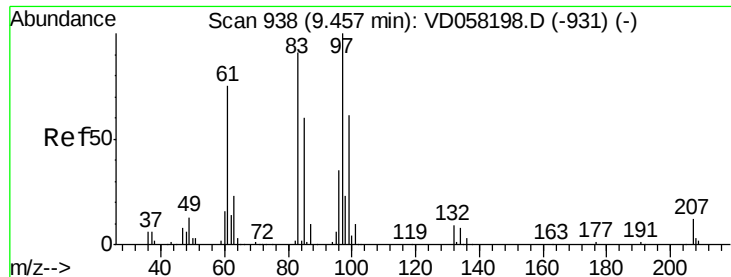
91 160.5 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#55

1,1,2-Trichloroethane

Concen: 10.796 ug/l

RT: 9.39 min Scan# 931

Delta R.T. -0.07 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 48069

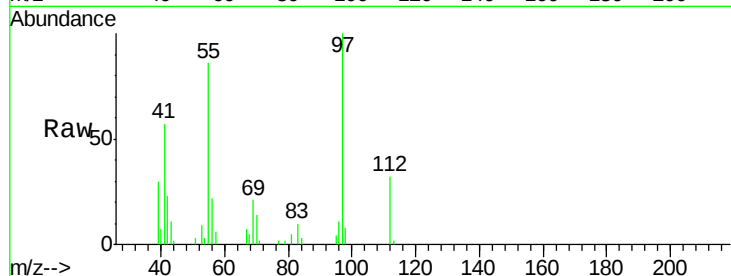
Ion Ratio Lower Upper

97 100

83 9.6 72.9 109.3#

85 0.0 48.2 72.4#

99 0.0 48.9 73.3#

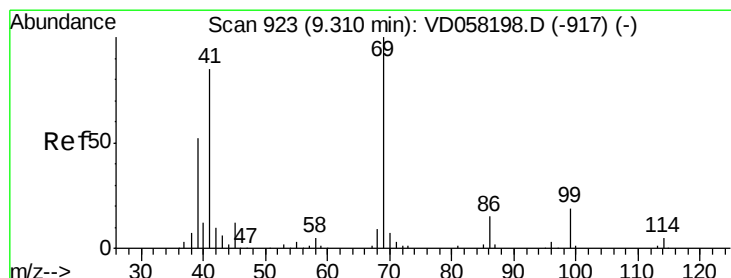
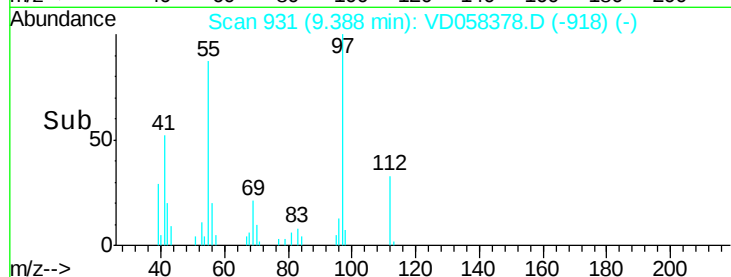
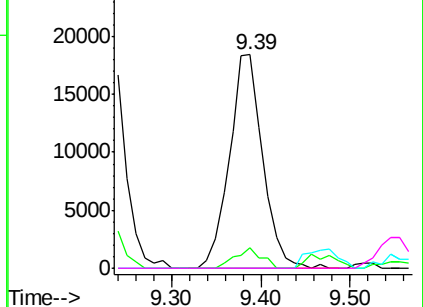


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 1.989 ug/l

RT: 9.39 min Scan# 931

Delta R.T. 0.08 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

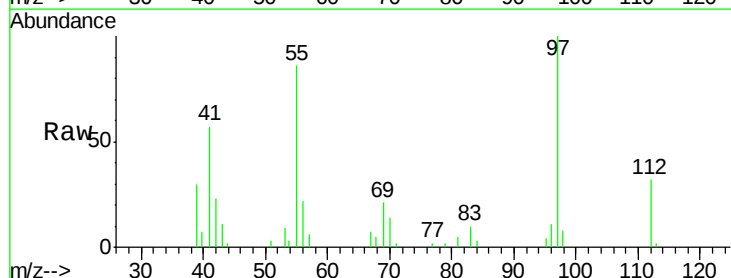
Tgt Ion: 69 Resp: 10590

Ion Ratio Lower Upper

69 100

41 265.4 67.6 101.4#

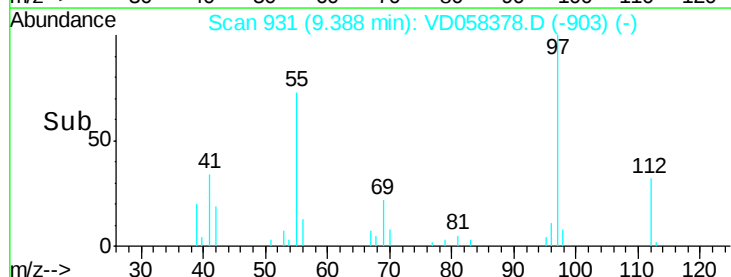
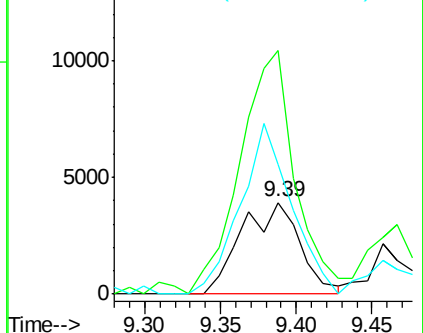
39 141.1 42.2 63.2#

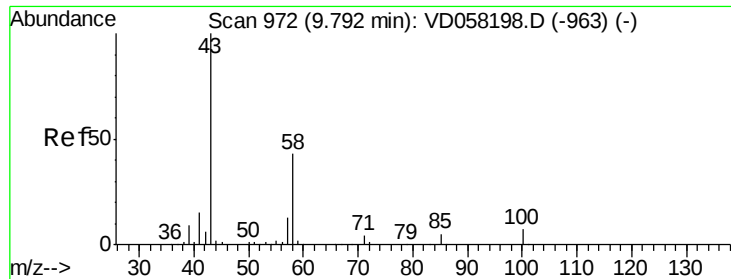


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

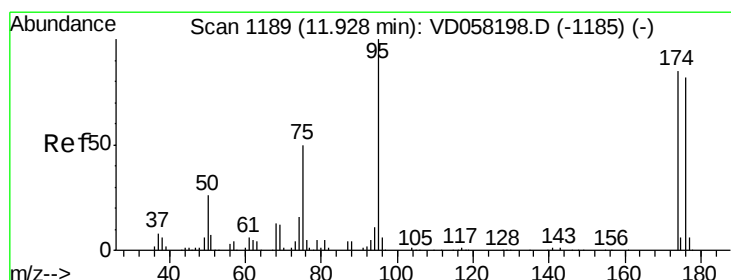
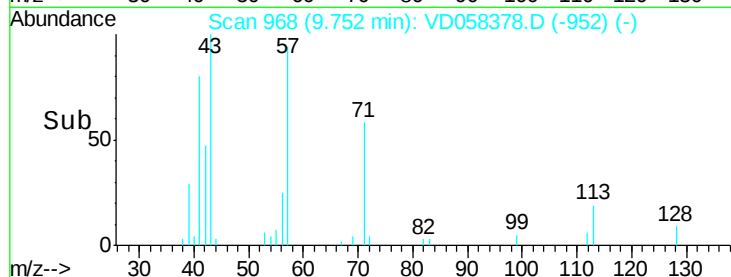
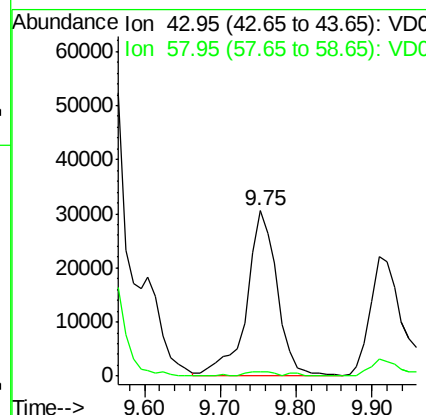
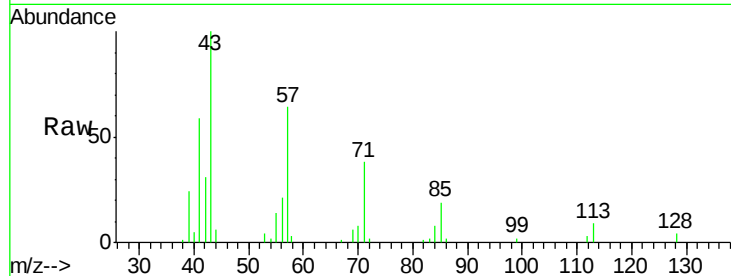




#59
2-Hexanone
Concen: 26.020 ug/l
RT: 9.75 min Scan# 968
Delta R.T. -0.04 min
Lab File: VD058378.D
Acq: 24 Jun 2018 18:14

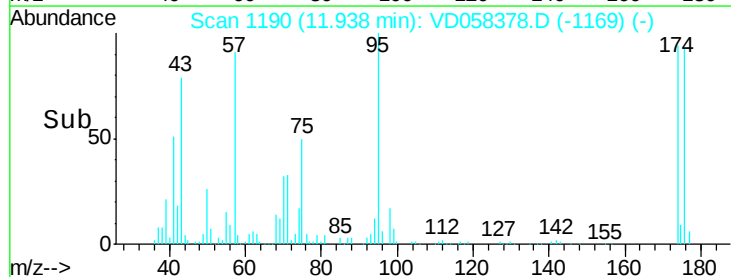
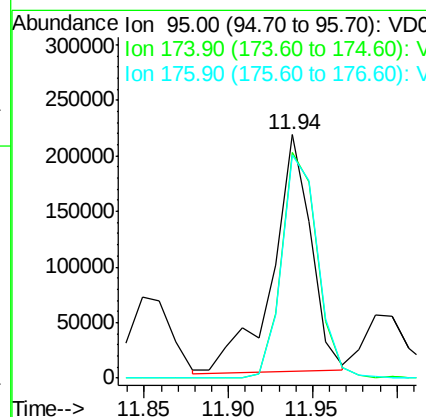
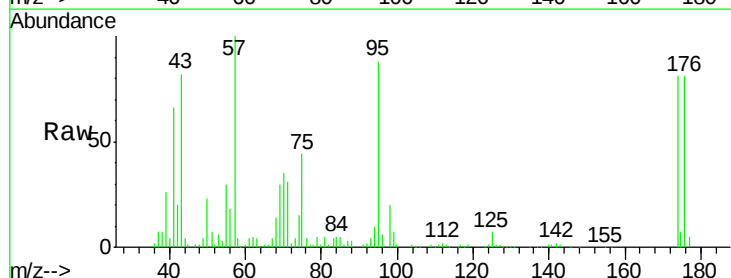
Instrument :
MSVOA_D
ClientSampled :

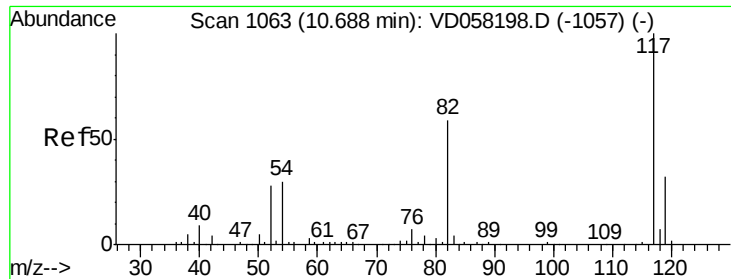
Tot Ion: 43 Resp: 86429
Ion Ratio Lower Upper
43 100
58 2.5 21.7 65.1#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058378.D
Acq: 24 Jun 2018 18:14

Tgt Ion: 95 Resp: 338539
Ion Ratio Lower Upper
95 100
174 92.5 0.0 170.2
176 91.4 0.0 164.6

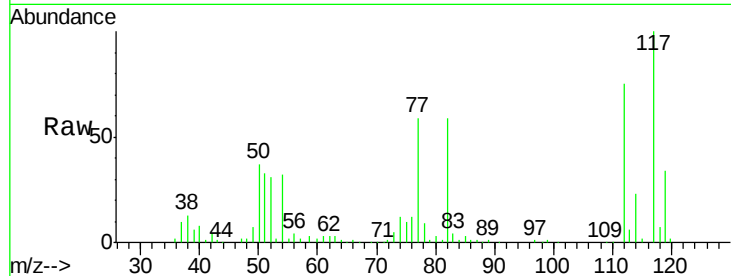




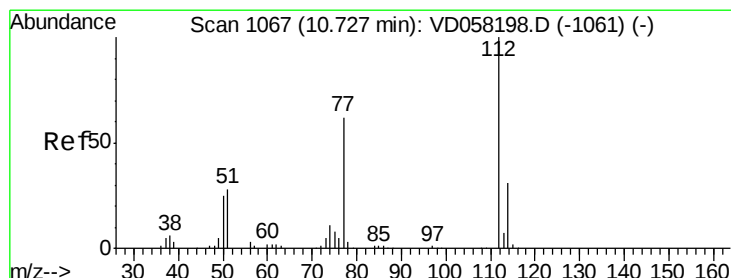
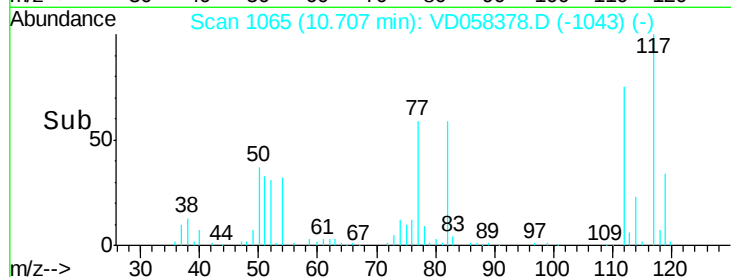
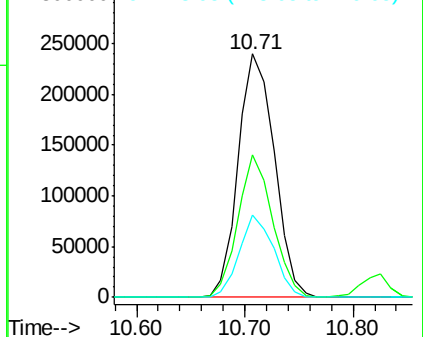
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. 0.02 min
Lab File: VD058378.D
Acq: 24 Jun 2018 18:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 559007
Ion Ratio Lower Upper
117 100
82 58.8 47.0 70.6
119 34.0 25.3 37.9

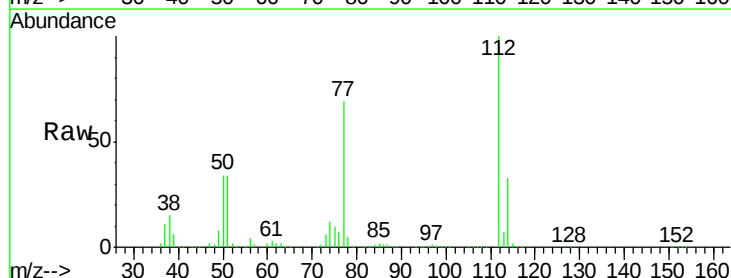


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

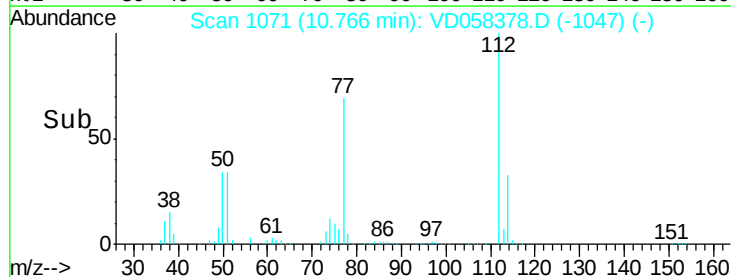
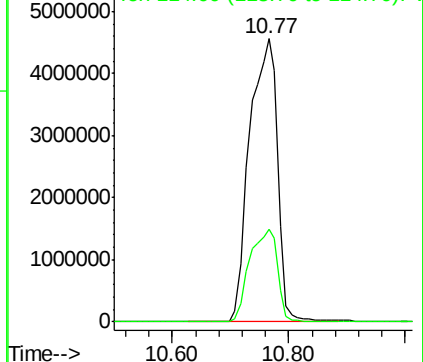


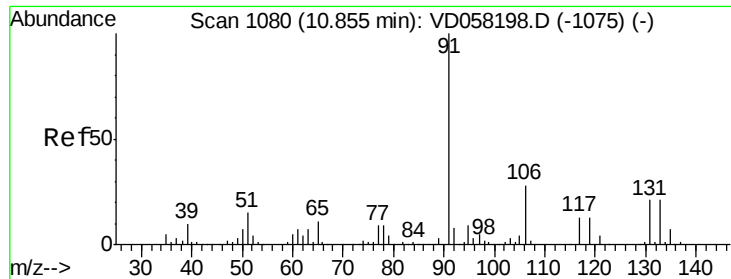
#65
Chlorobenzene
Concen: 1470.813 ug/l
RT: 10.77 min Scan# 1071
Delta R.T. 0.04 min
Lab File: VD058378.D
Acq: 24 Jun 2018 18:14

Tgt Ion:112 Resp:15379558
Ion Ratio Lower Upper
112 100
114 32.9 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

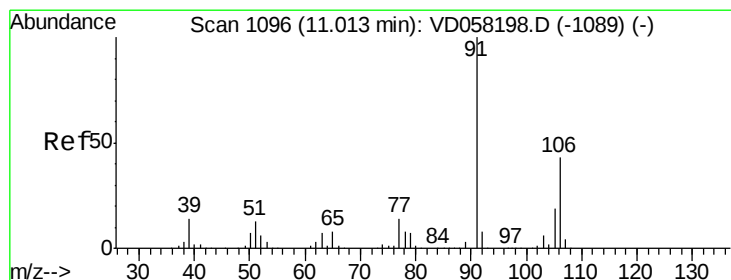
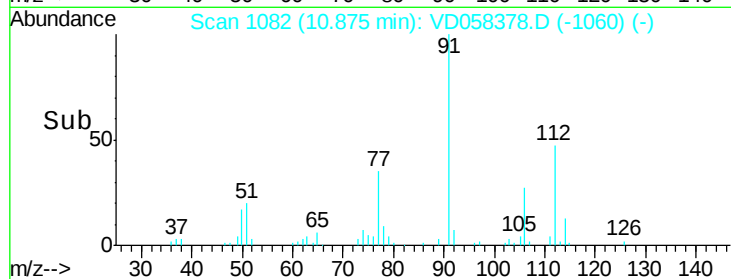
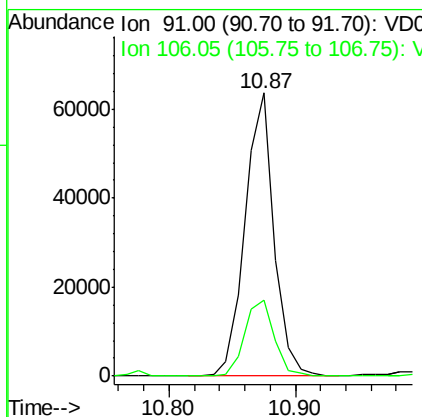
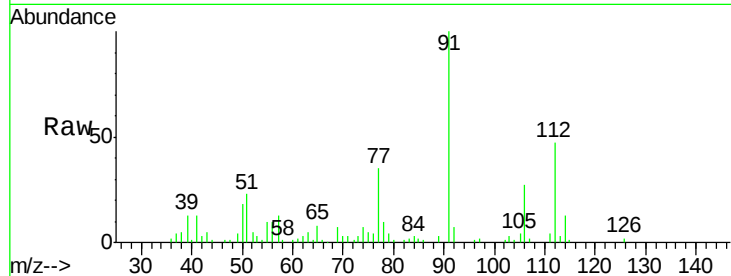




#67
Ethyl Benzene
Concen: 5.467 ug/l
RT: 10.87 min Scan# 1082
Delta R.T. 0.02 min
Lab File: VD058378.D
Acq: 24 Jun 2018 18:14

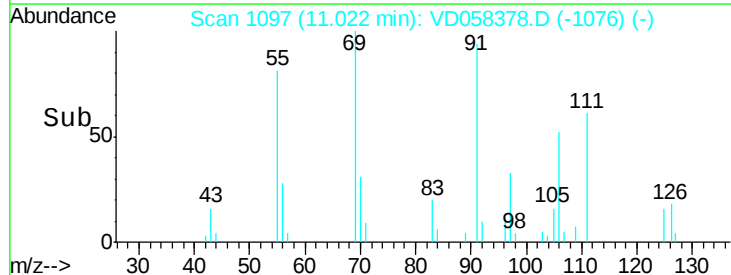
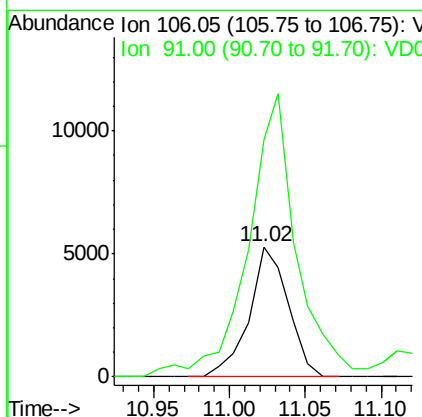
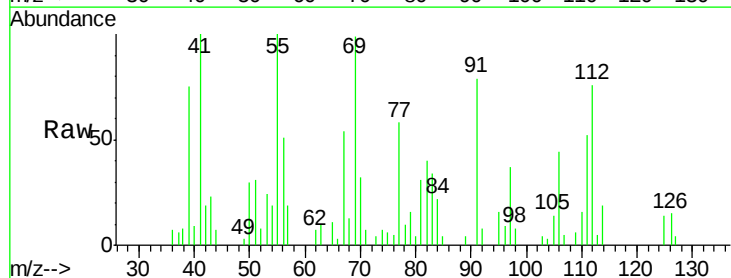
Instrument :
MSVOA_D
ClientSampled :

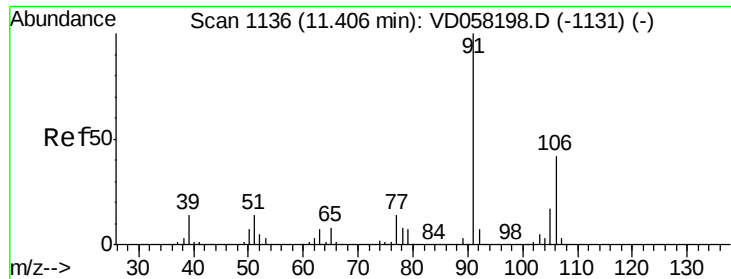
Tot Ion: 91 Resp: 100931
Ion Ratio Lower Upper
91 100
106 27.0 22.0 33.0



#68
m/p-Xylenes
Concen: 1.552 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058378.D
Acq: 24 Jun 2018 18:14

Tgt Ion: 106 Resp: 9555
Ion Ratio Lower Upper
106 100
91 182.0 185.0 277.6#

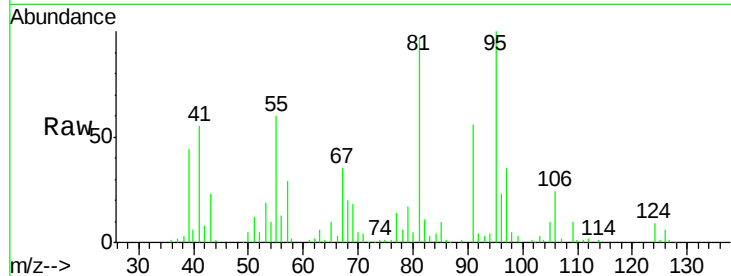




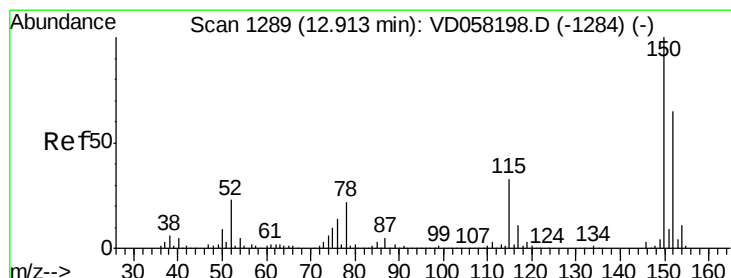
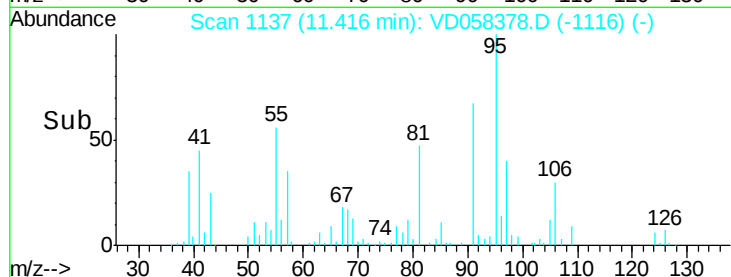
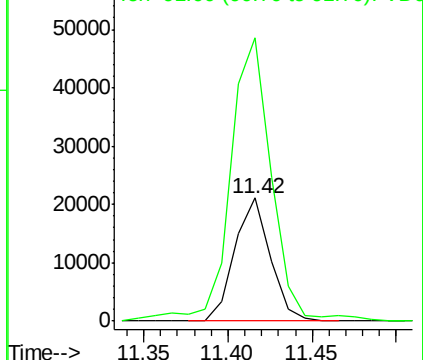
#69
o-Xylene
Concen: 5.225 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058378.D
Acq: 24 Jun 2018 18:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 30722
Ion Ratio Lower Upper
106 100
91 230.3 120.2 360.6

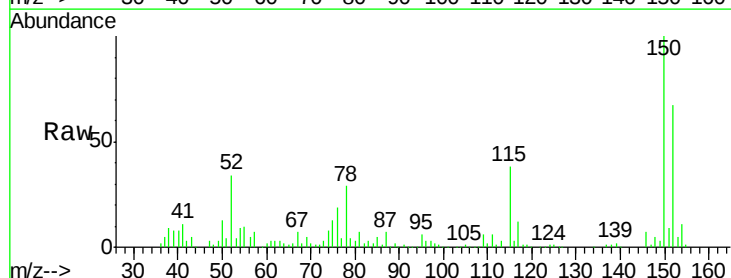


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

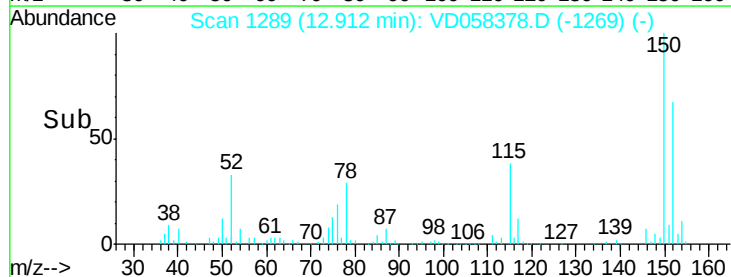
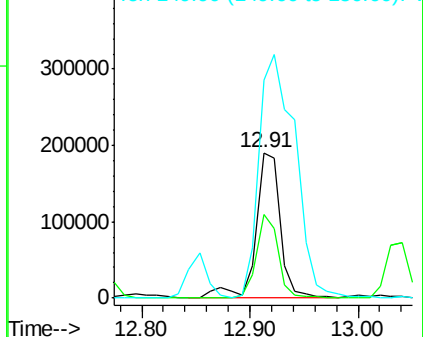


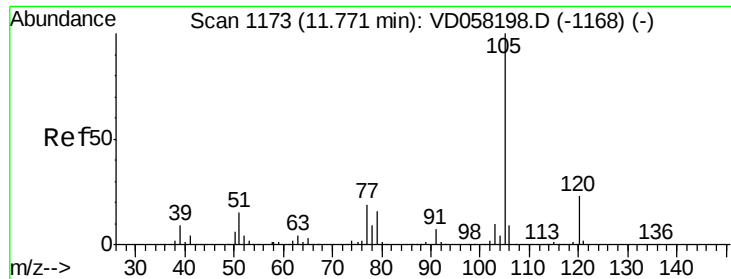
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058378.D
Acq: 24 Jun 2018 18:14

Tgt Ion:152 Resp: 299984
Ion Ratio Lower Upper
152 100
115 57.4 25.1 75.3
150 149.6 0.0 308.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.106 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

Instrument :

MSVOA_D

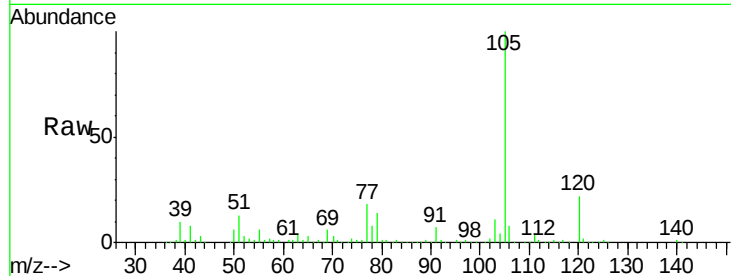
ClientSampleId :

Tot Ion:105 Resp: 881132

Ion Ratio Lower Upper

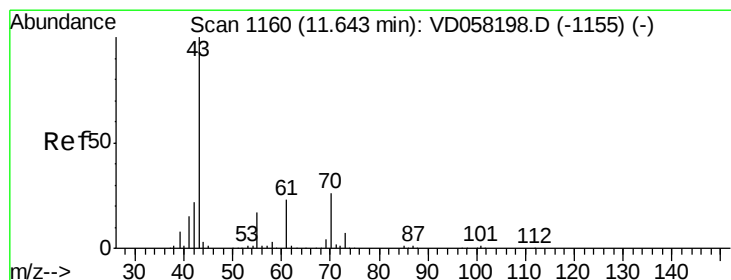
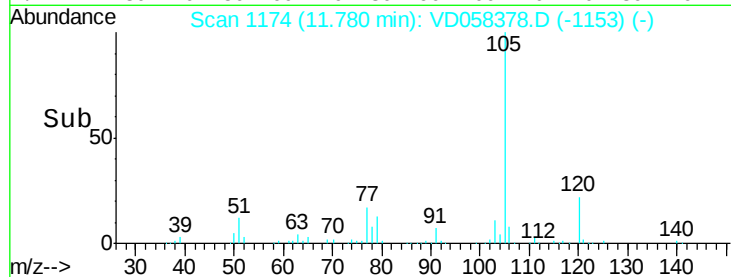
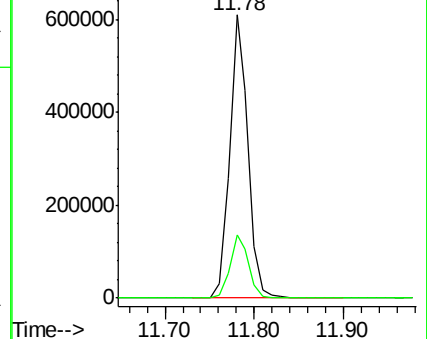
105 100

120 22.2 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 58.948 ug/l

RT: 11.68 min Scan# 1164

Delta R.T. 0.04 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

Tgt Ion: 43 Resp: 408981

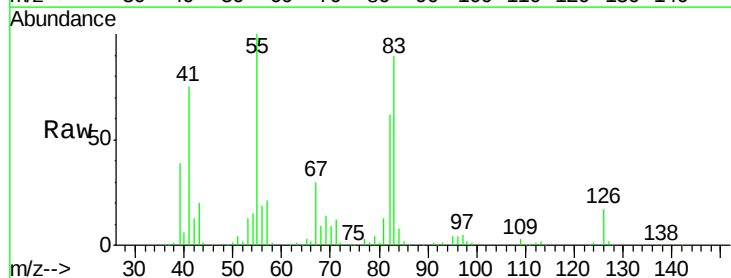
Ion Ratio Lower Upper

43 100

70 47.4 20.9 31.3#

55 505.9 13.5 20.3#

61 0.0 18.2 27.2#

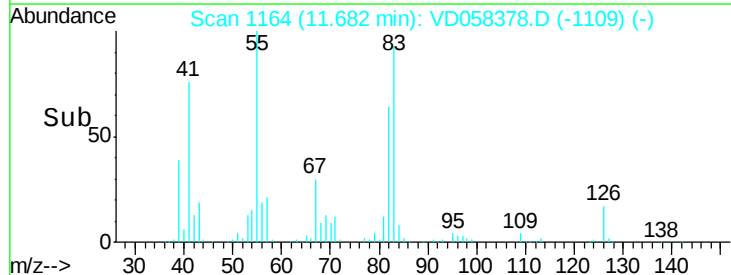
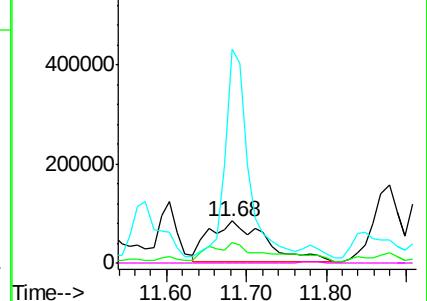


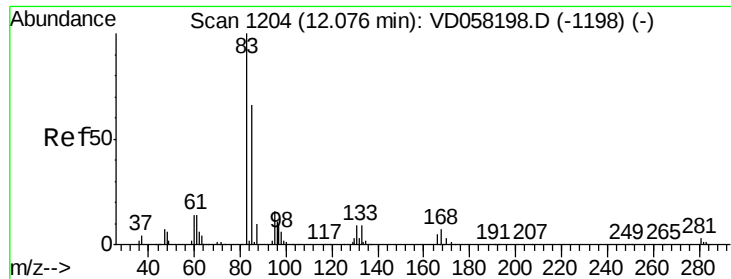
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 22.644 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. 0.02 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

Instrument :

MSVOA_D

ClientSampleId :

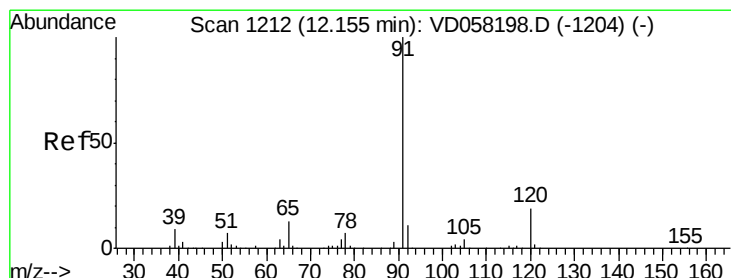
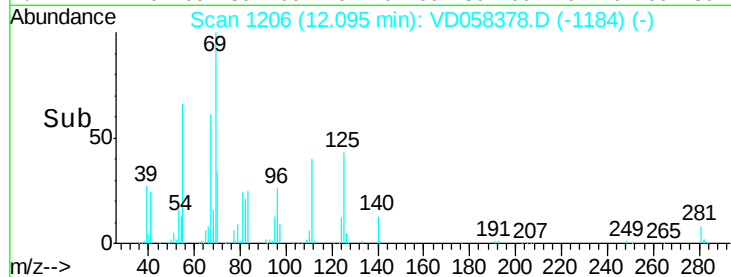
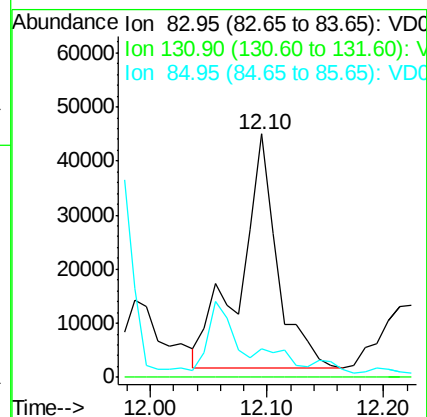
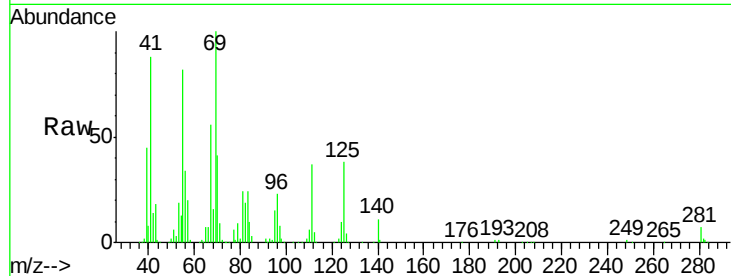
Tot Ion: 83 Resp: 94555

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 11.7 33.1 99.5#



#78

n-propylbenzene

Concen: 7.728 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD058378.D

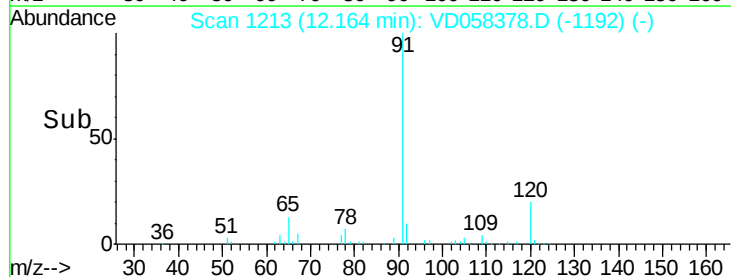
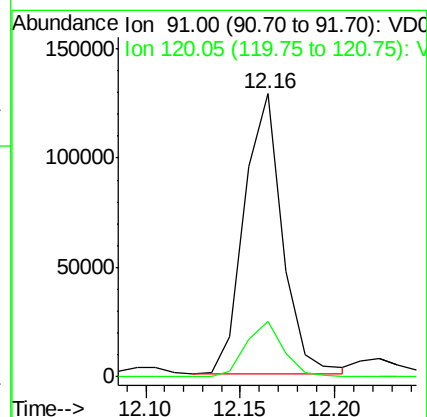
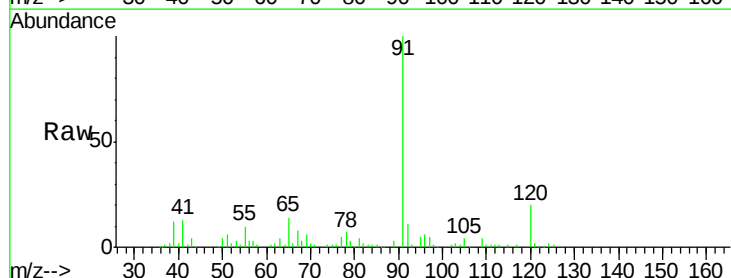
Acq: 24 Jun 2018 18:14

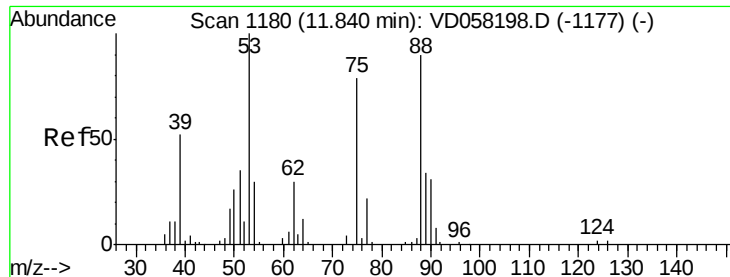
Tgt Ion: 91 Resp: 179069

Ion Ratio Lower Upper

91 100

120 19.7 9.7 29.1





#81

trans-1,4-Dichloro-2-butene

Concen: 10.579 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. -0.06 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

Instrument :

MSVOA_D

ClientSampleId :

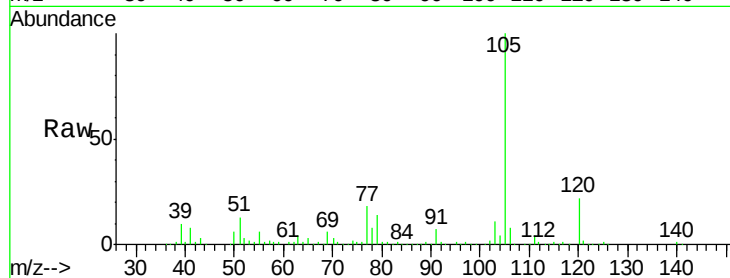
Tot Ion: 75 Resp: 11301

Ion Ratio Lower Upper

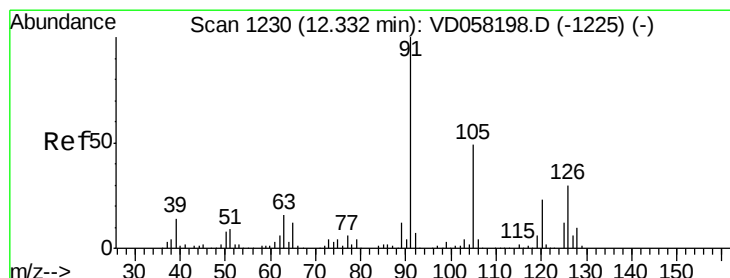
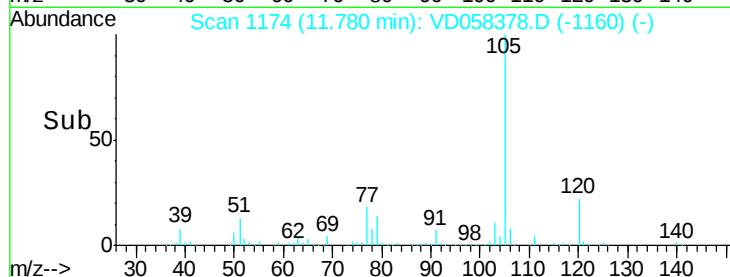
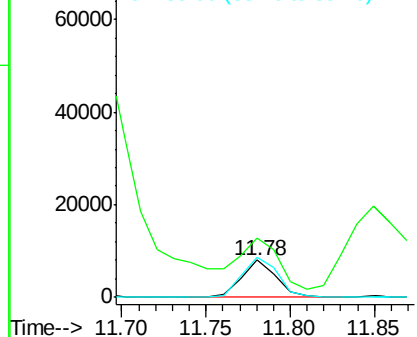
75 100

53 159.8 100.8 151.2#

89 107.9 34.6 52.0#



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



#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.41 min Scan# 1238

Delta R.T. 0.08 min

Lab File: VD058378.D

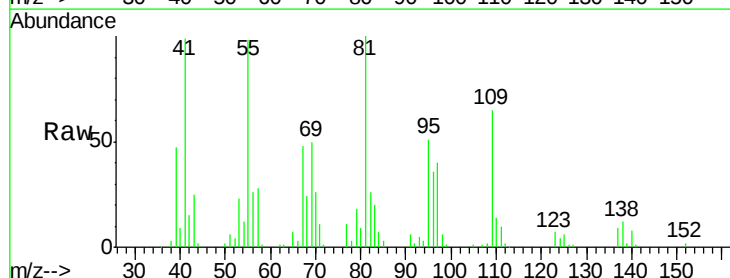
Acq: 24 Jun 2018 18:14

Tgt Ion: 91 Resp: 4071

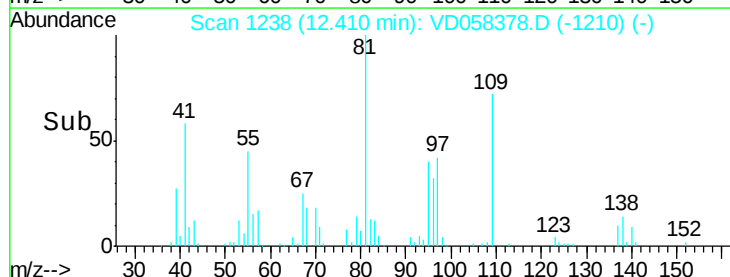
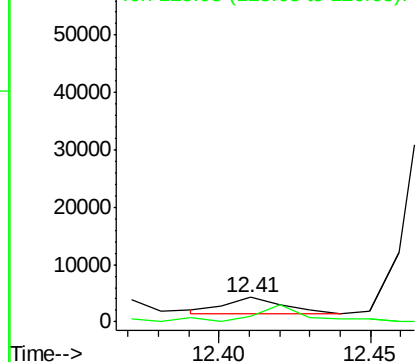
Ion Ratio Lower Upper

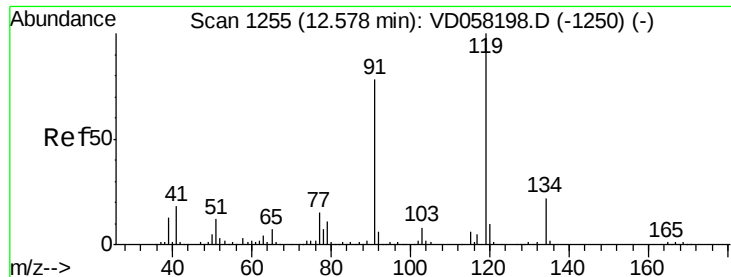
91 100

126 20.7 14.9 44.9



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





#83

tert-Butylbenzene

Concen: 48.117 ug/l

RT: 12.59 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

Instrument :

MSVOA_D

ClientSampleId :

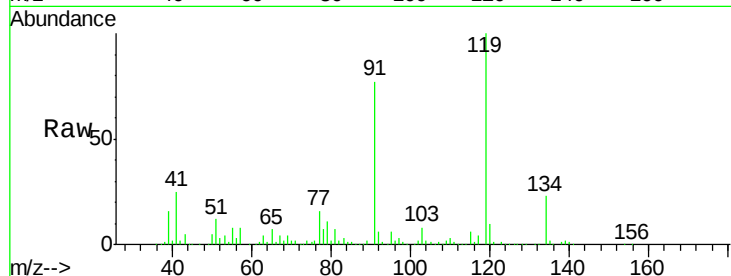
Tot Ion:119 Resp: 774215

Ion Ratio Lower Upper

119 100

91 76.6 38.9 116.6

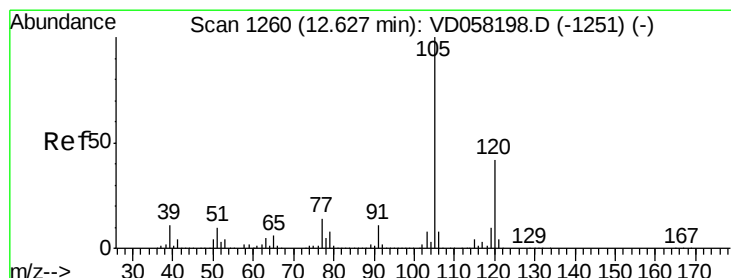
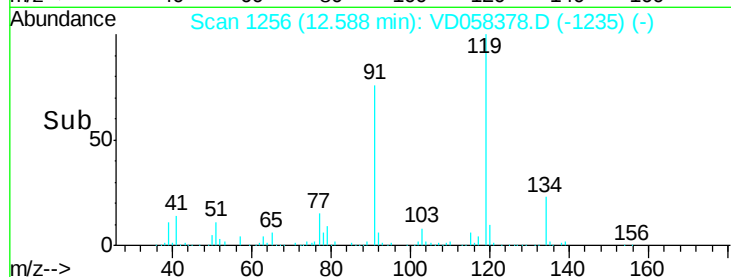
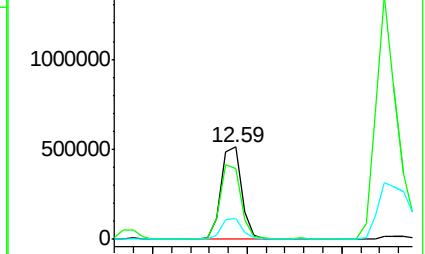
134 23.4 11.2 33.5



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 40.143 ug/l

RT: 12.48 min Scan# 1245

Delta R.T. -0.15 min

Lab File: VD058378.D

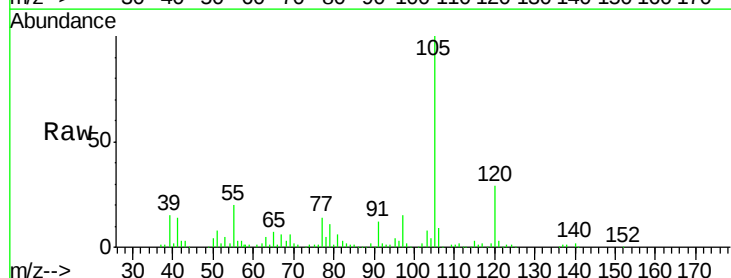
Acq: 24 Jun 2018 18:14

Tgt Ion:105 Resp: 610694

Ion Ratio Lower Upper

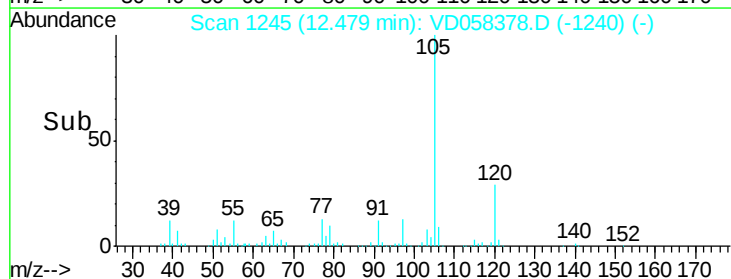
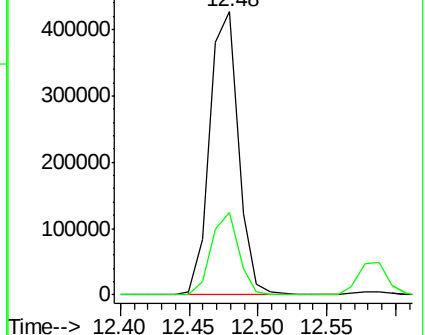
105 100

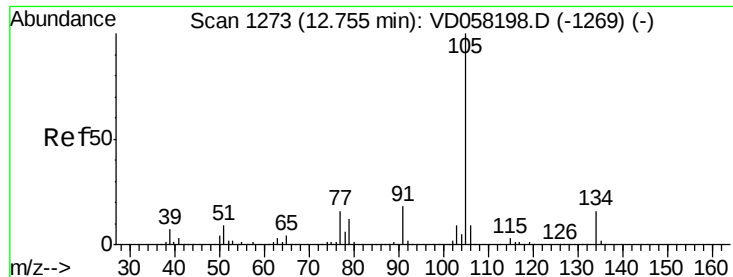
120 29.1 20.8 62.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 91.276 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

Instrument :

MSVOA_D

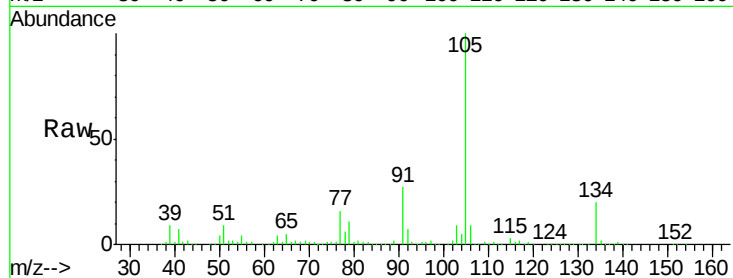
ClientSampled :

Tot Ion:105 Resp: 1721497

Ion Ratio Lower Upper

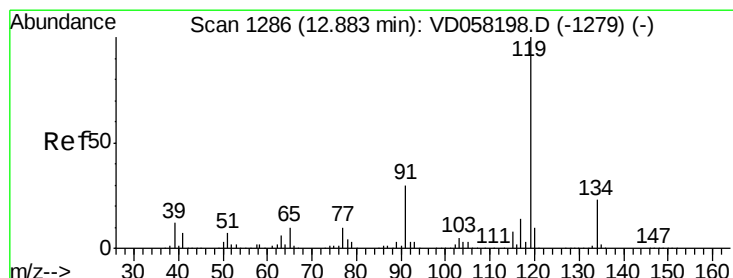
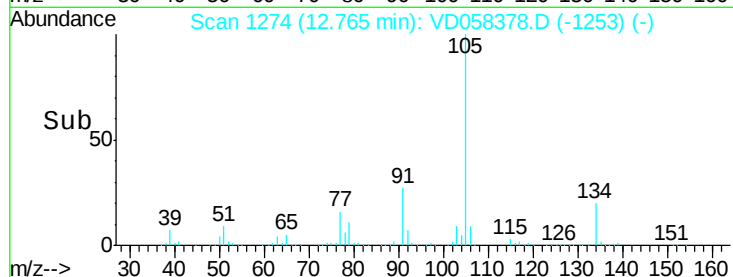
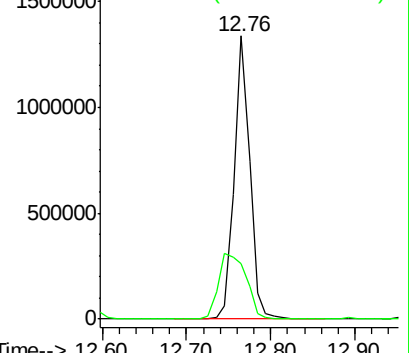
105 100

134 19.8 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 1.663 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

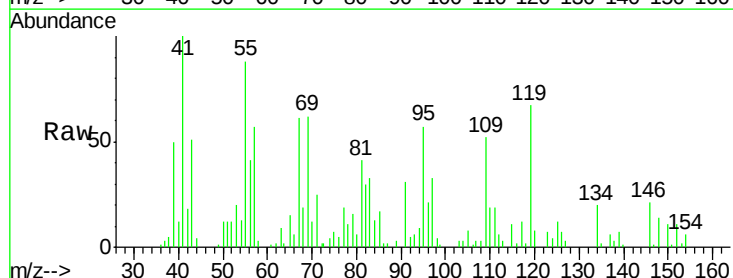
Tgt Ion:119 Resp: 25422

Ion Ratio Lower Upper

119 100

134 29.2 11.6 34.8

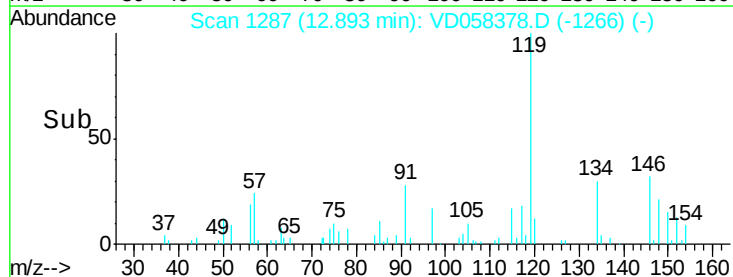
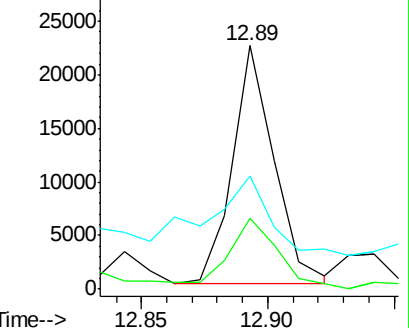
91 46.5 15.0 45.1#

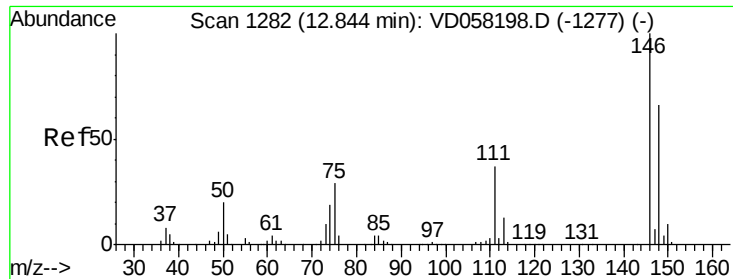


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 78.436 ug/l

RT: 12.85 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

Instrument :

MSVOA_D

ClientSampleId :

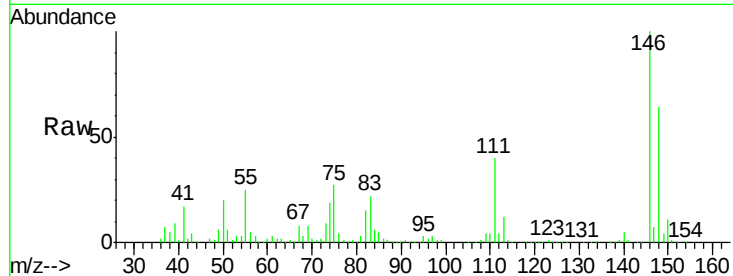
Tot Ion:146 Resp: 732519

Ion Ratio Lower Upper

146 100

111 40.4 18.4 55.0

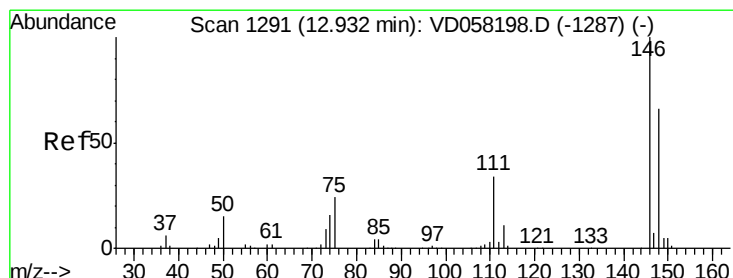
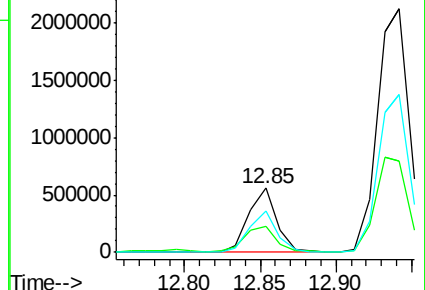
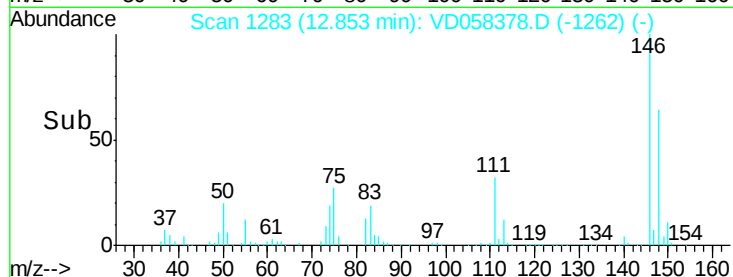
148 63.8 32.8 98.4



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: 350.262 ug/l

RT: 12.94 min Scan# 1292

Delta R.T. 0.01 min

Lab File: VD058378.D

Acq: 24 Jun 2018 18:14

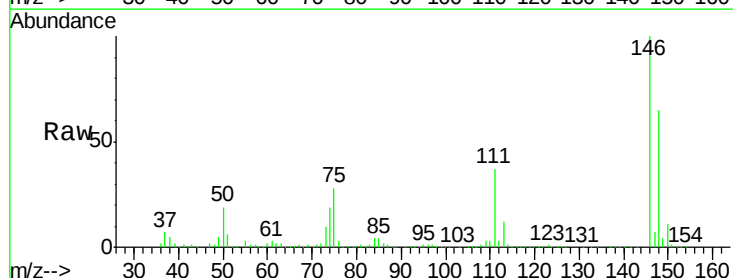
Tgt Ion:146 Resp: 3194296

Ion Ratio Lower Upper

146 100

111 37.4 17.2 51.5

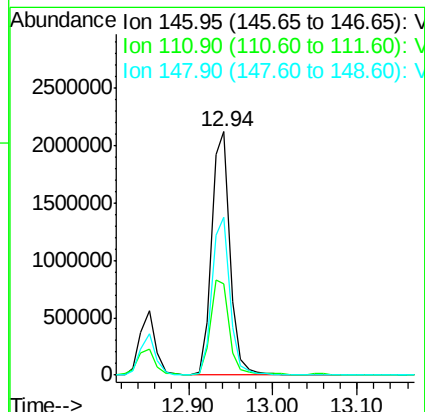
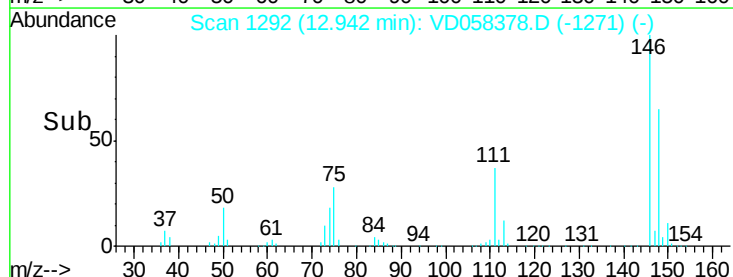
148 64.9 33.1 99.3

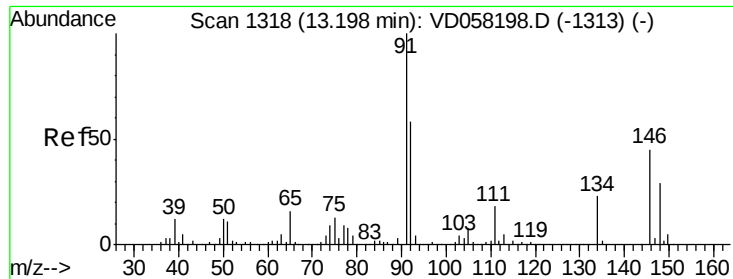


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

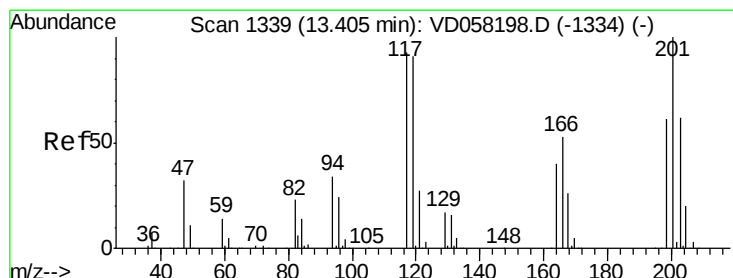
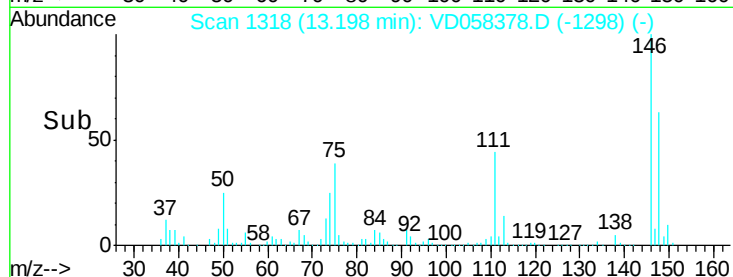
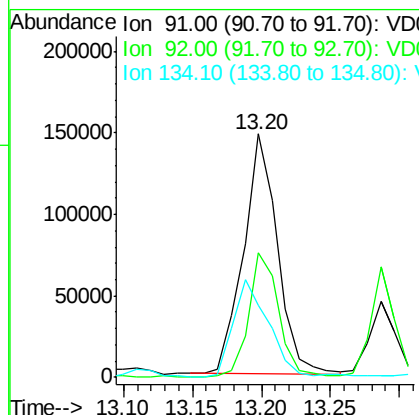
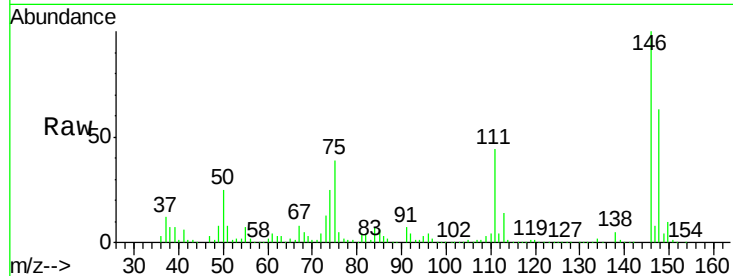




#89
n-Butylbenzene
Concen: 15.765 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD058378.D
Acq: 24 Jun 2018 18:14

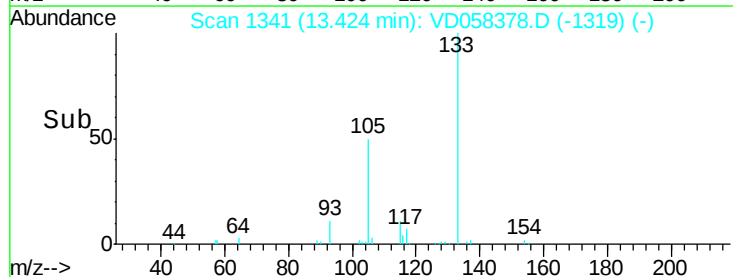
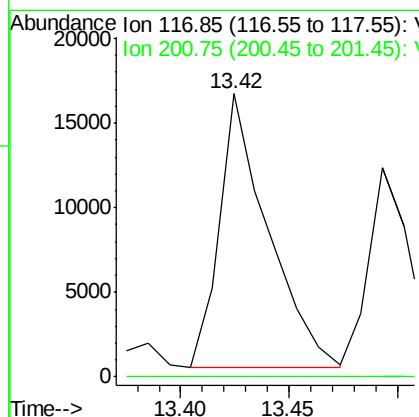
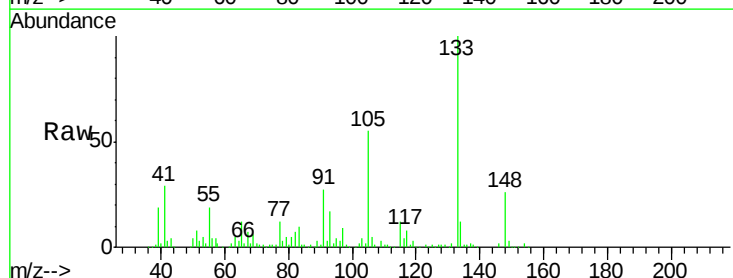
Instrument :
MSVOA_D
ClientSampleId :

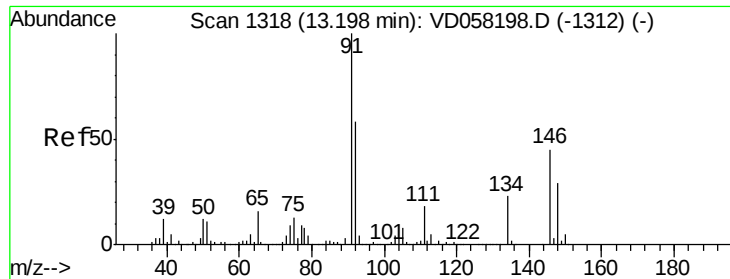
Tot Ion: 91 Resp: 253232
Ion Ratio Lower Upper
91 100
92 51.1 29.2 87.6
134 29.8 11.3 33.8



#90
Hexachloroethane
Concen: 6.348 ug/l
RT: 13.42 min Scan# 1341
Delta R.T. 0.02 min
Lab File: VD058378.D
Acq: 24 Jun 2018 18:14

Tgt Ion: 117 Resp: 25184
Ion Ratio Lower Upper
117 100
201 0.0 53.8 161.4#

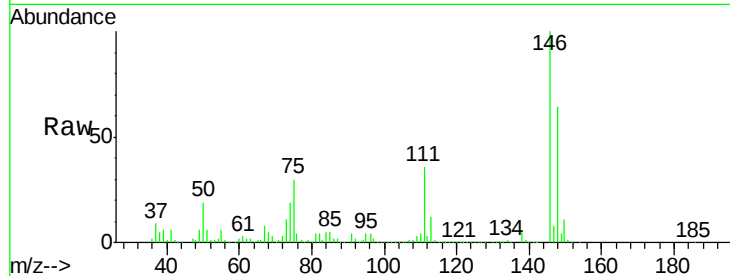




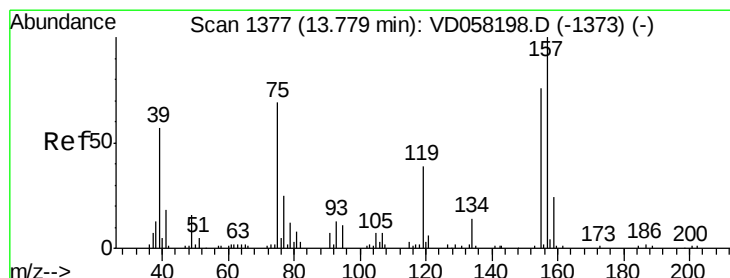
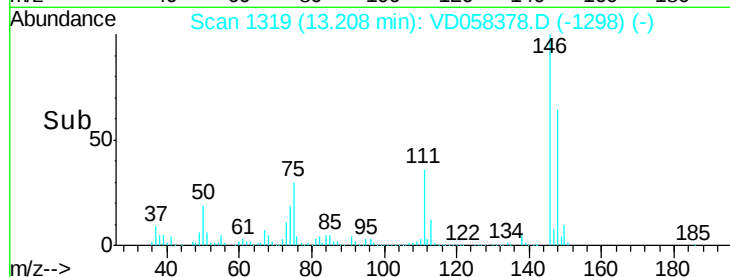
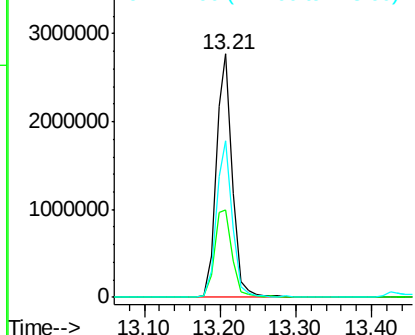
#91
 1,2-Dichlorobenzene
 Concen: 519.984 ug/l
 RT: 13.21 min Scan# 1319
 Delta R.T. 0.01 min
 Lab File: VD058378.D
 Acq: 24 Jun 2018 18:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 4132556
 Ion Ratio Lower Upper
 146 100
 111 36.0 19.6 58.7
 148 64.4 32.0 96.2

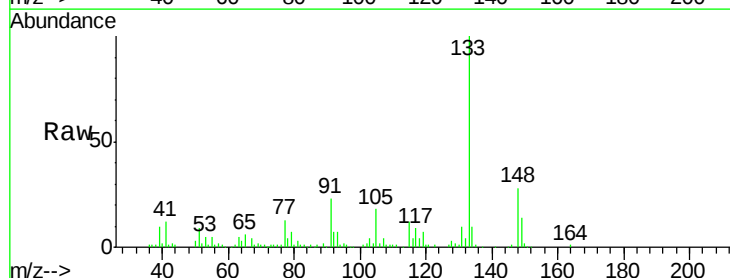


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

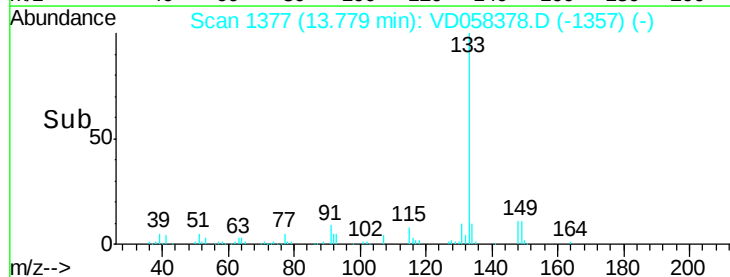
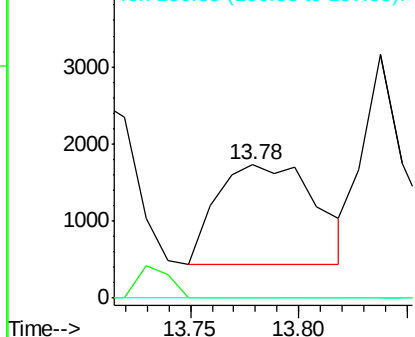


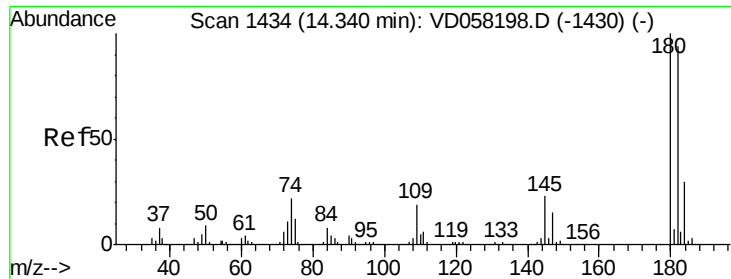
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.200 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD058378.D
 Acq: 24 Jun 2018 18:14

Tgt Ion: 75 Resp: 4120
 Ion Ratio Lower Upper
 75 100
 155 0.0 54.5 163.5#
 157 0.0 72.0 215.9#



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

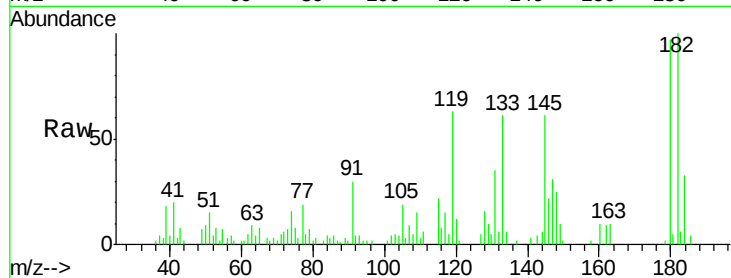




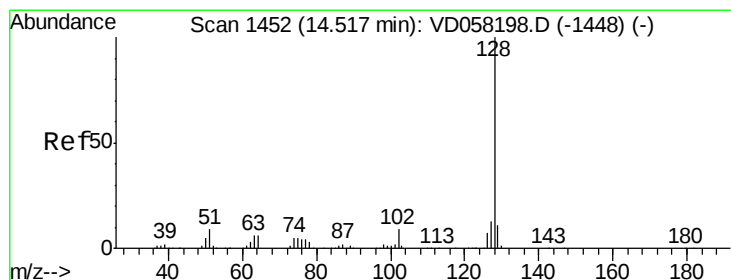
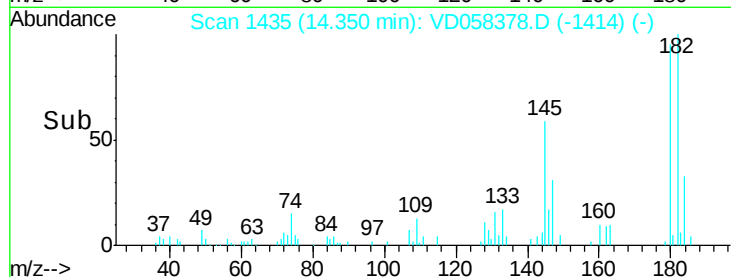
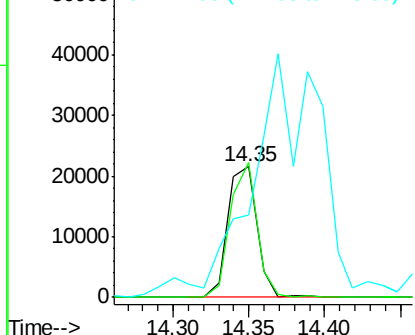
#93
 1,2,4-Trichlorobenzene
 Concen: 3.787 ug/l
 RT: 14.35 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD058378.D
 Acq: 24 Jun 2018 18:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 28784
 Ion Ratio Lower Upper
 180 100
 182 103.5 47.1 141.3
 145 62.6 11.7 35.0#

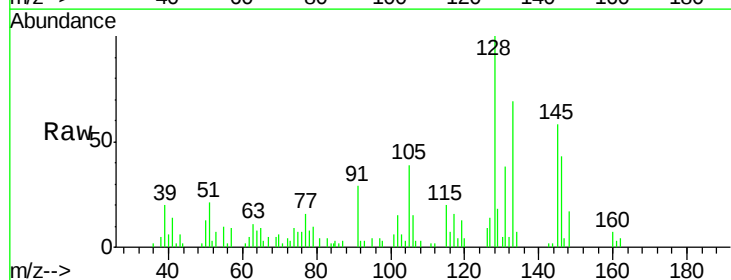


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#95
 Naphthalene
 Concen: 2.051 ug/l
 RT: 14.52 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VD058378.D
 Acq: 24 Jun 2018 18:14

Tgt Ion:128 Resp: 20536
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.0 15.0
 129 18.2 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

