

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\
 Data File : VD061786.D
 Acq On : 12 Apr 2019 18:56
 Operator : VA/AP
 Sample : K2342-02RE
 Misc : 3.83g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 23:18:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	21883	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.20	114	41284	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	33849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	14286	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	22537	135.87	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	271.74%	
35) Dibromofluoromethane	6.91	113	24278	84.89	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	169.78%	
50) Toluene-d8	10.39	98	41766	58.12	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	116.24%	
62) 4-Bromofluorobenzene	13.54	95	15581	65.99	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	131.98%	

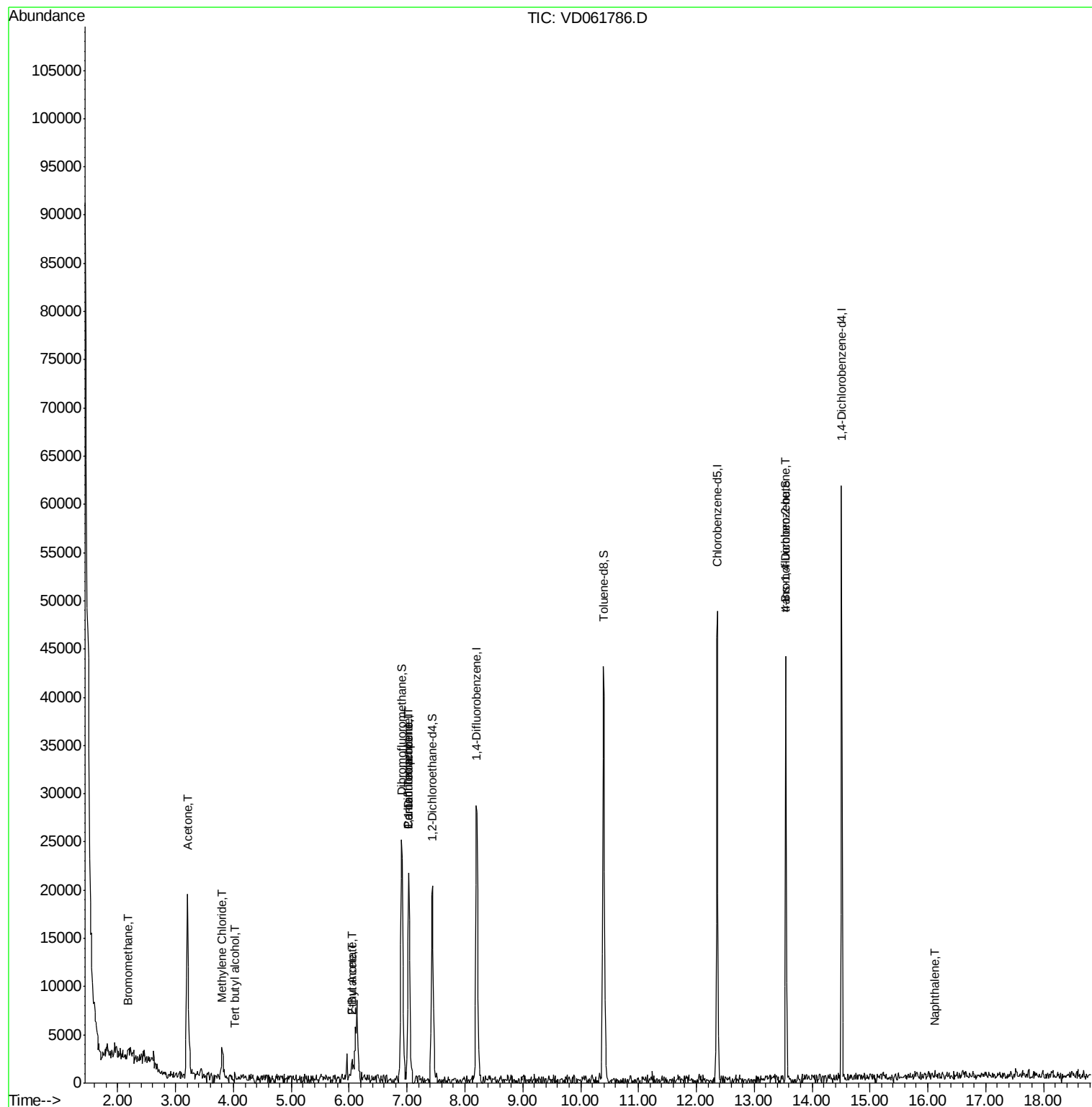
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	793	19.219	ug/l #	12
11) Tert butyl alcohol	4.03	59	421	37.871	ug/l #	72
16) Acetone	3.20	43	35047	706.812	ug/l	94
20) Methylene Chloride	3.80	84	2196	7.805	ug/l #	92
25) 2-Butanone	6.05	43	4958	86.735	ug/l	96
36) 1,1-Dichloropropene	7.03	75	1257	3.479	ug/l #	39
37) Ethyl Acetate	6.05	43	4958	33.690	ug/l #	68
38) Carbon Tetrachloride	7.03	117	1442	3.405	ug/l #	11
81) trans-1,4-Dichloro-2-buten	13.54	75	6279	106.460	ug/l #	20
95) Naphthalene	16.12	128	436	1.380	ug/l #	70

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

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MSVOA_D
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Quant Time: Apr 12 23:18:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD061786.D

Acq: 12 Apr 2019 18:56

Instrument :

MSVOA_D

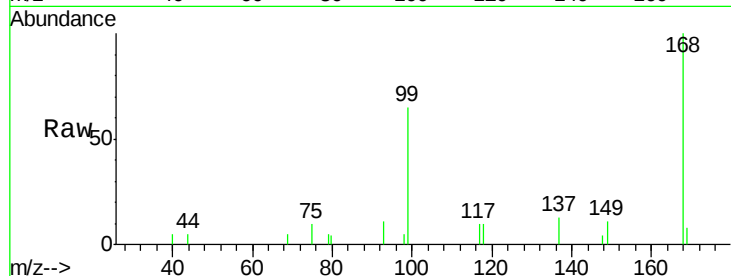
ClientSampleId :

Tot Ion:168 Resp: 21883

Ion Ratio Lower Upper

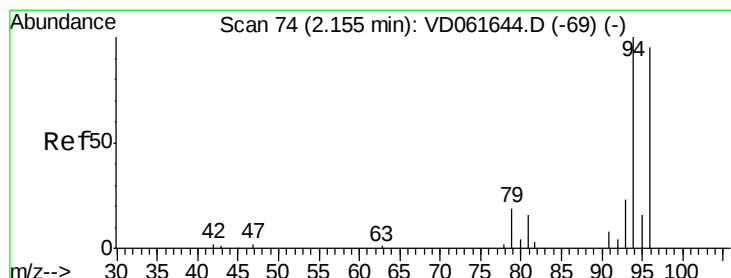
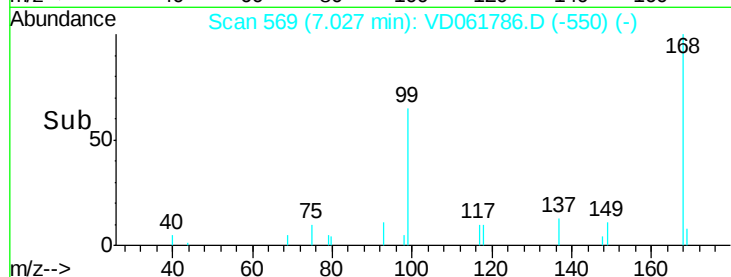
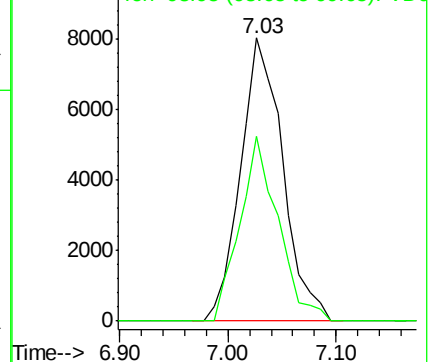
168 100

99 65.4 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 19.219 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD061786.D

Acq: 12 Apr 2019 18:56

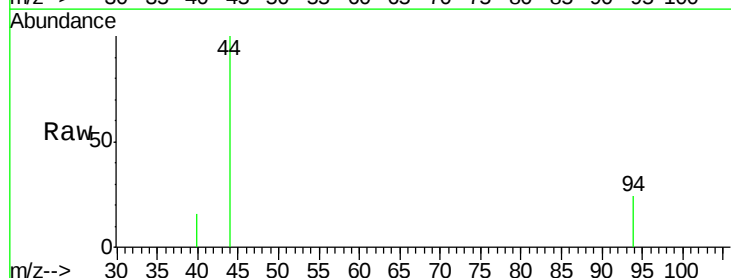
Tgt Ion: 94 Resp: 793

Ion Ratio Lower Upper

94 100

96 0.0 75.8 113.8#

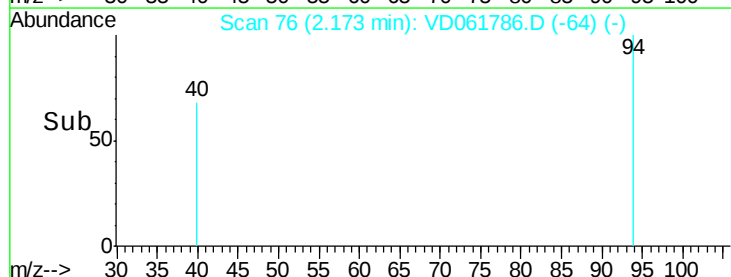
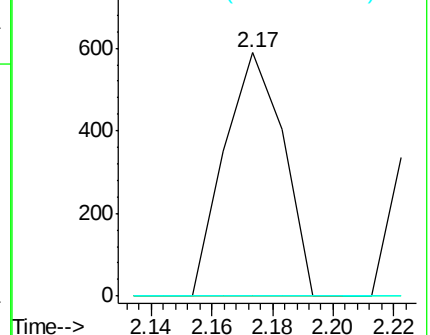
93 0.0 18.6 28.0#

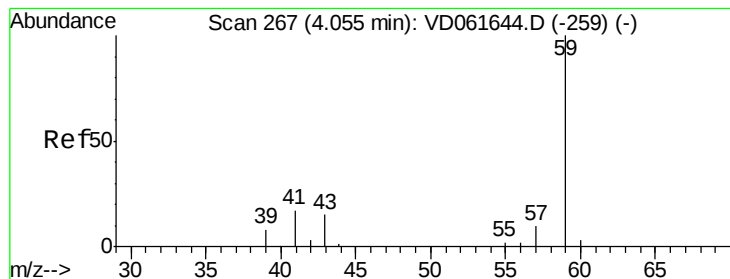


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



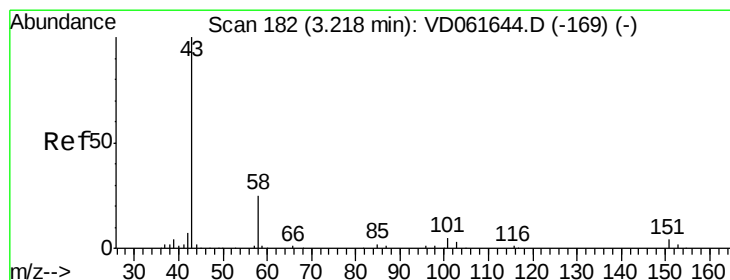
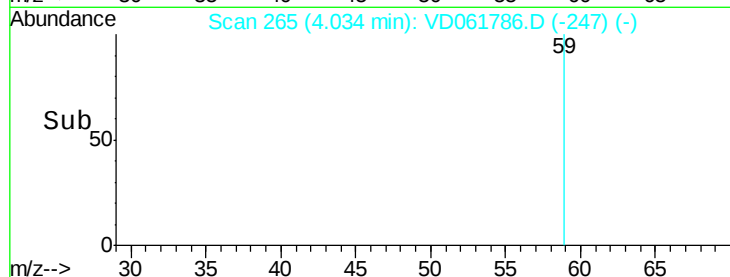
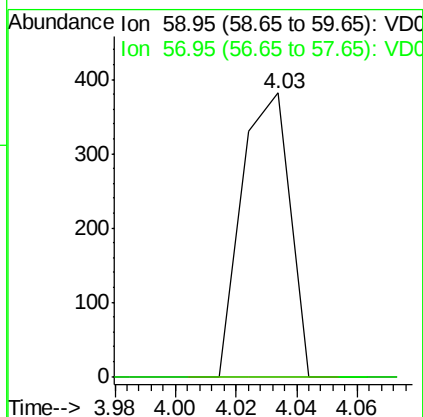
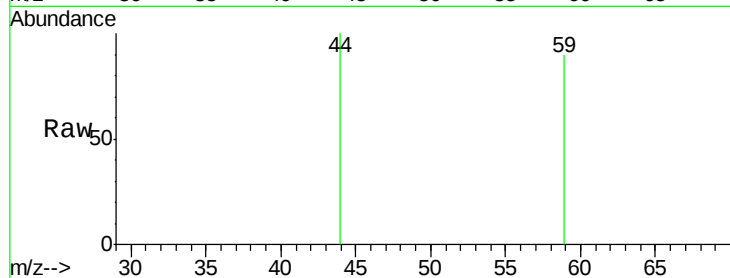


#11

Tert butyl alcohol
 Concen: 37.871 ug/l
 RT: 4.03 min Scan# 265
 Delta R.T. -0.02 min
 Lab File: VD061786.D
 Acq: 12 Apr 2019 18:56

Instrument :
 MSVOA_D
 ClientSampleId :

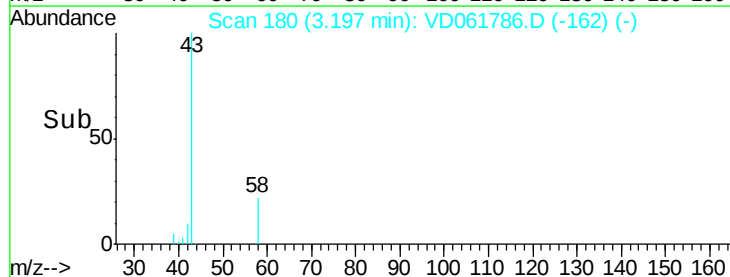
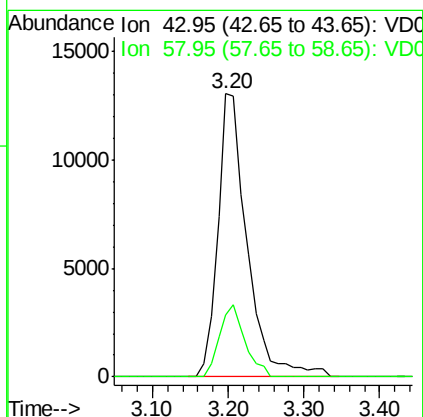
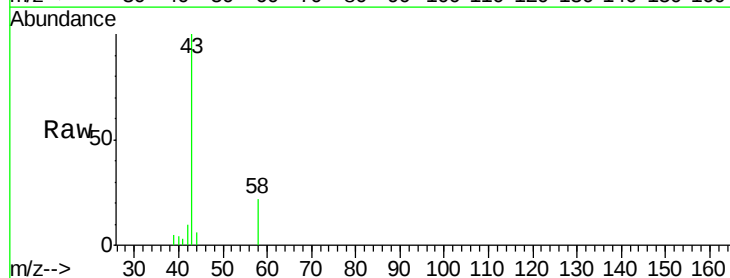
Tot Ion: 59 Resp: 421
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

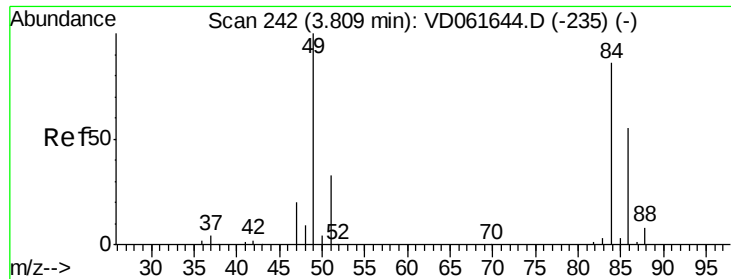


#16

Acetone
 Concen: 706.812 ug/l
 RT: 3.20 min Scan# 180
 Delta R.T. -0.02 min
 Lab File: VD061786.D
 Acq: 12 Apr 2019 18:56

Tgt Ion: 43 Resp: 35047
 Ion Ratio Lower Upper
 43 100
 58 21.7 19.7 29.5

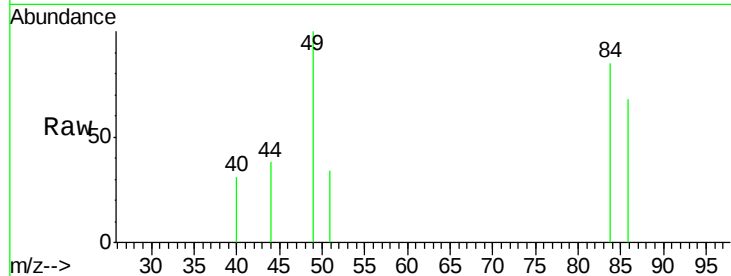




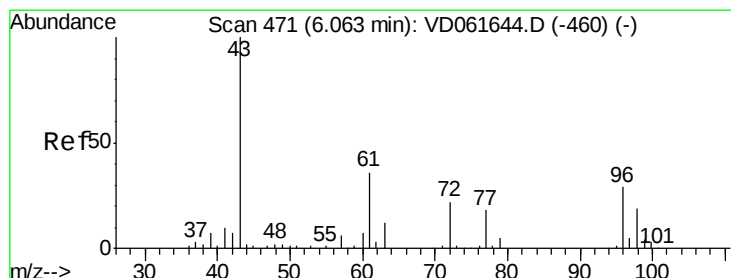
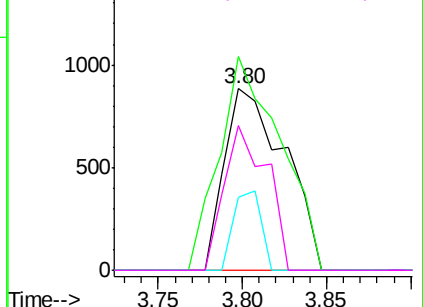
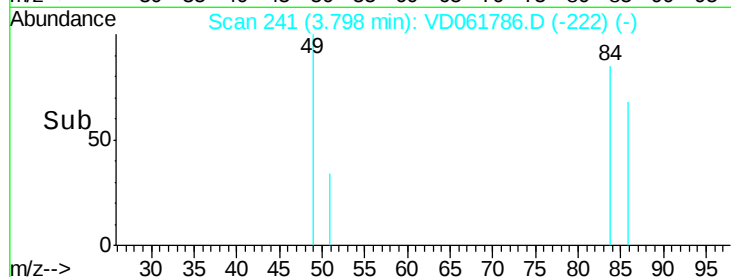
#20
Methylene Chloride
Concen: 7.805 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD061786.D
Acq: 12 Apr 2019 18:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 2196
Ion Ratio Lower Upper
84 100
49 117.6 93.0 139.4
51 40.5 30.4 45.6
86 80.0 51.0 76.4#

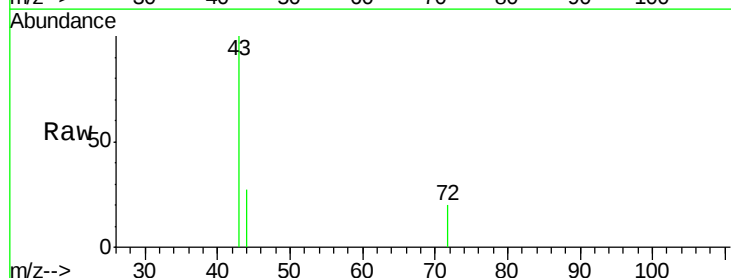


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

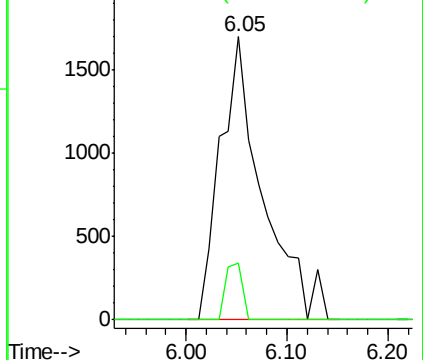
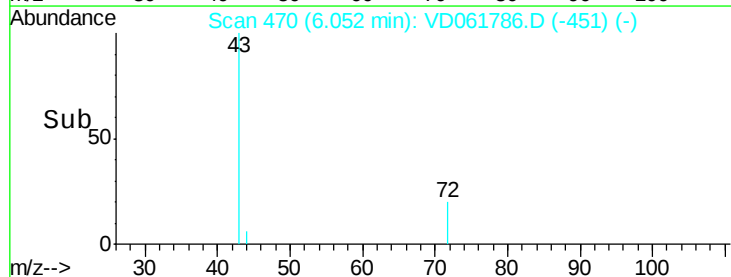


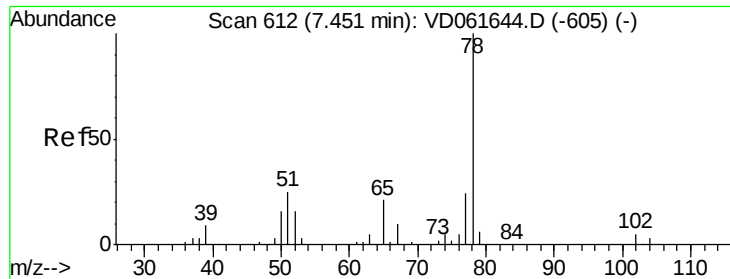
#25
2-Butanone
Concen: 86.735 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.01 min
Lab File: VD061786.D
Acq: 12 Apr 2019 18:56

Tgt Ion: 43 Resp: 4958
Ion Ratio Lower Upper
43 100
72 20.0 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061786.D

Acq: 12 Apr 2019 18:56

Instrument :

MSVOA_D

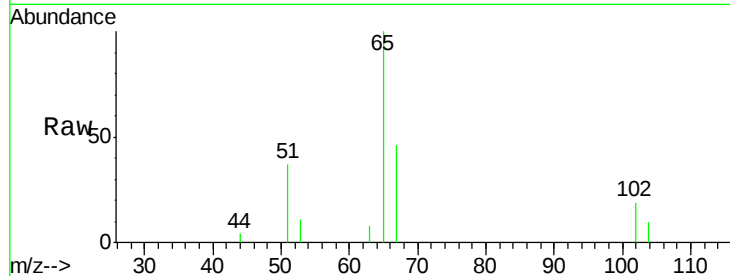
ClientSampleId :

Tot Ion: 65 Resp: 22537

Ion Ratio Lower Upper

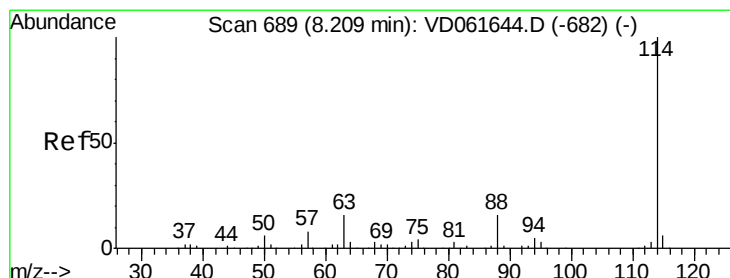
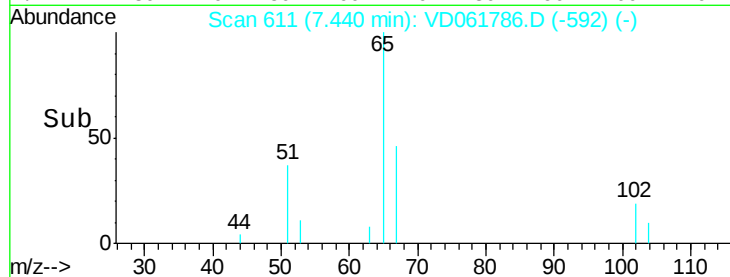
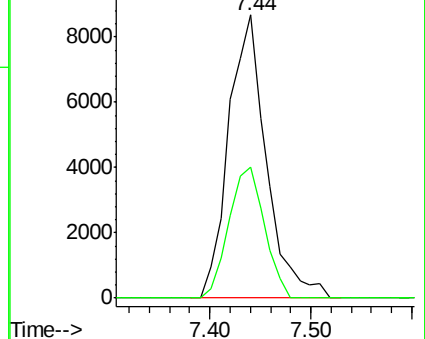
65 100

67 46.2 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.01 min

Lab File: VD061786.D

Acq: 12 Apr 2019 18:56

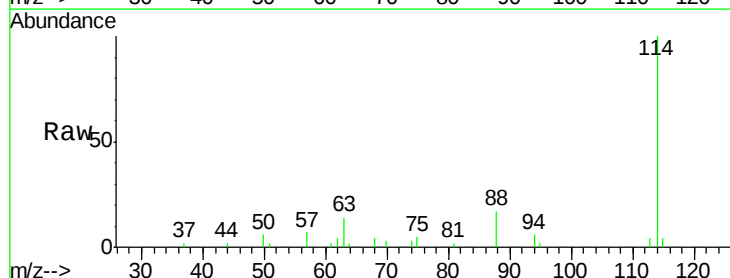
Tgt Ion: 114 Resp: 41284

Ion Ratio Lower Upper

114 100

63 13.7 0.0 31.2

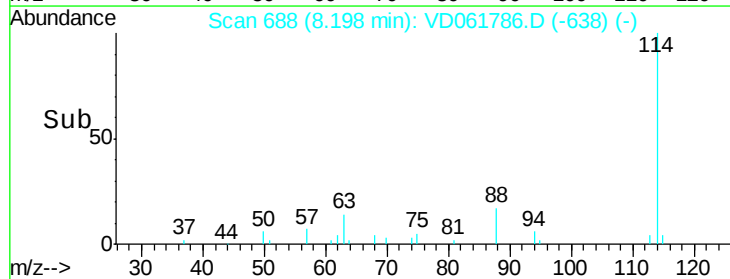
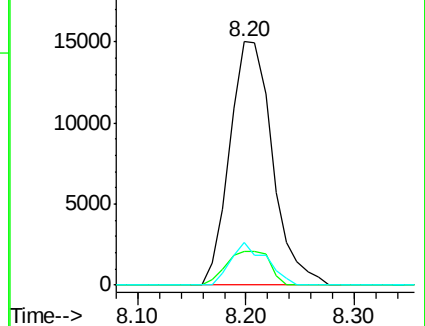
88 17.5 0.0 31.8

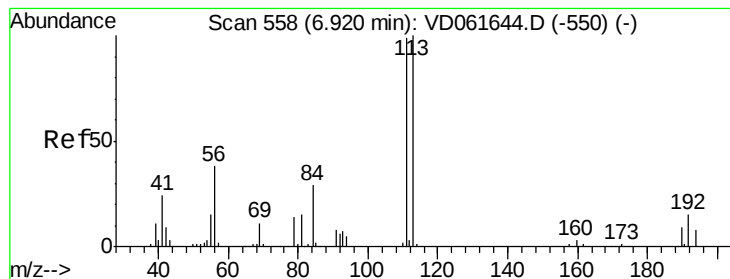


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD061786.D

Acq: 12 Apr 2019 18:56

Instrument :

MSVOA_D

ClientSampleId :

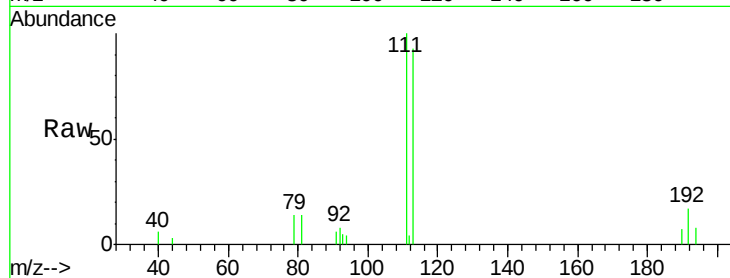
Tot Ion:113 Resp: 24278

Ion Ratio Lower Upper

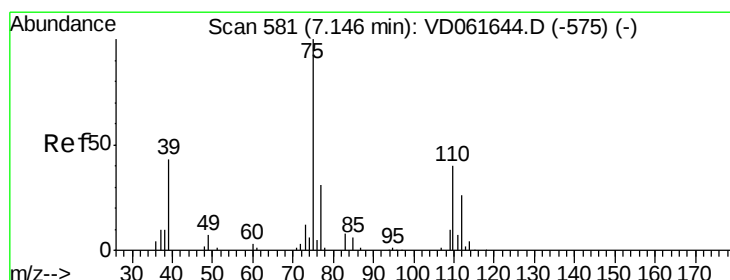
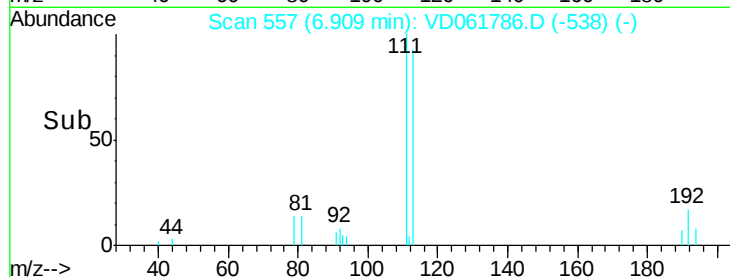
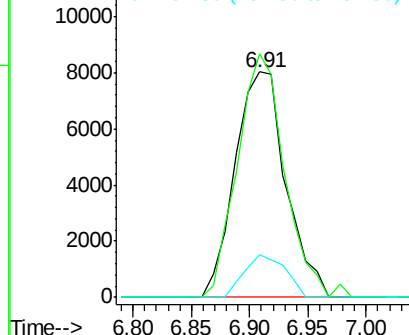
113 100

111 108.0 79.3 118.9

192 18.9 12.3 18.5#



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: 3.479 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.12 min

Lab File: VD061786.D

Acq: 12 Apr 2019 18:56

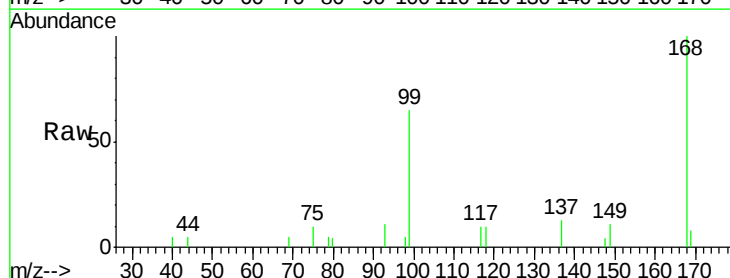
Tgt Ion: 75 Resp: 1257

Ion Ratio Lower Upper

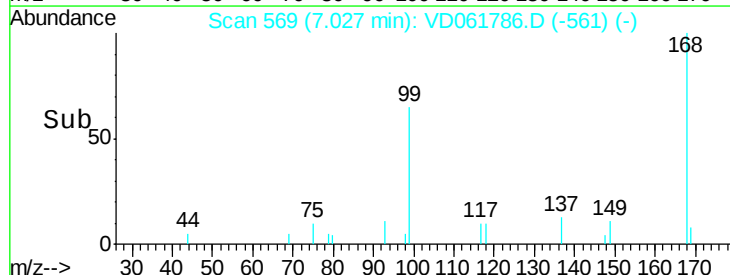
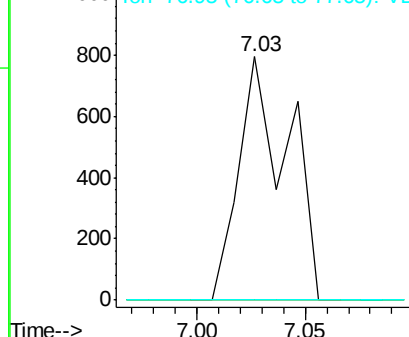
75 100

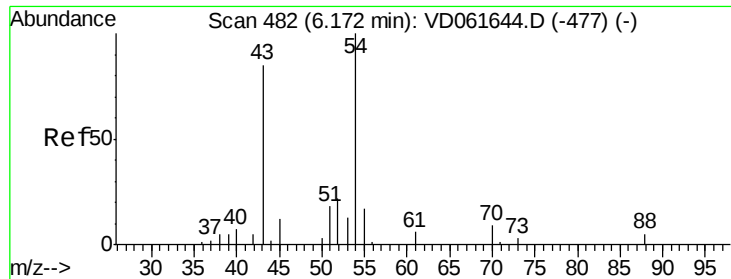
110 0.0 19.7 59.0#

77 0.0 24.8 37.2#



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

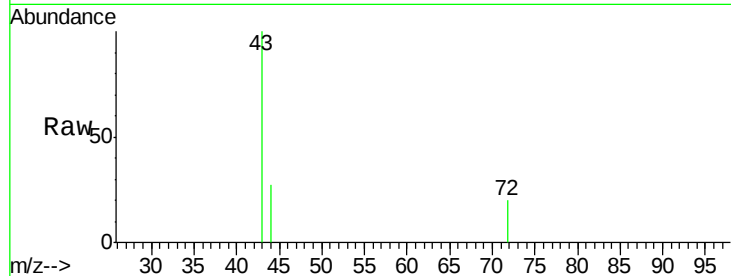




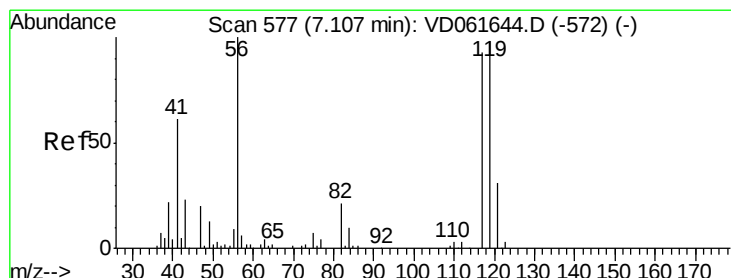
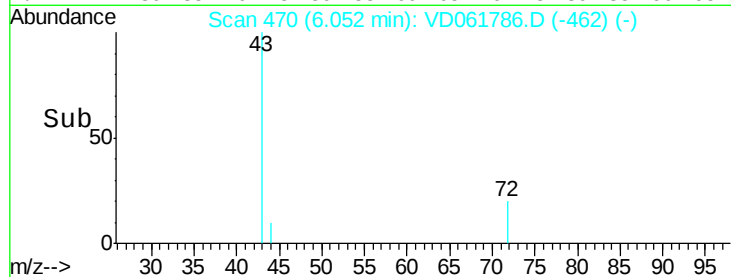
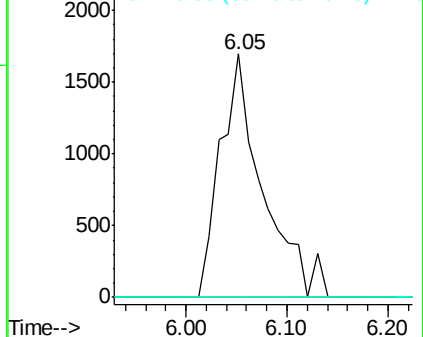
#37
Ethyl Acetate
Concen: 33.690 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.12 min
Lab File: VD061786.D
Acq: 12 Apr 2019 18:56

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 4958
Ion Ratio Lower Upper
43 100
61 0.0 11.9 17.9#
70 0.0 6.9 10.3#

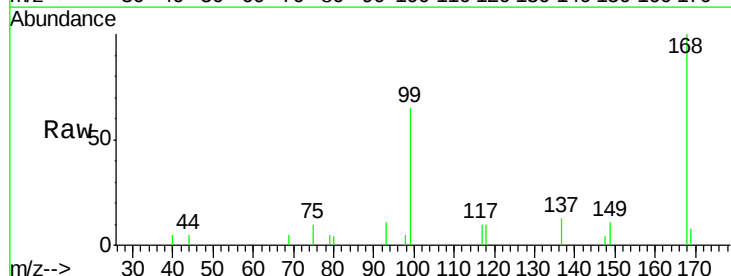


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

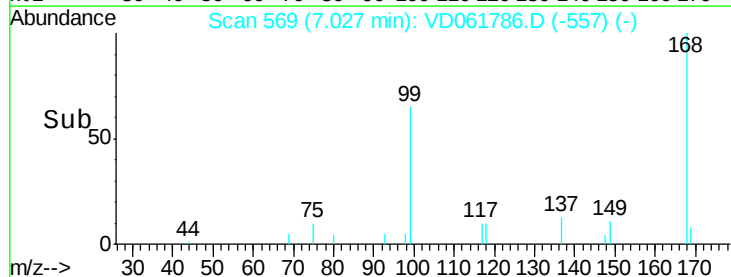
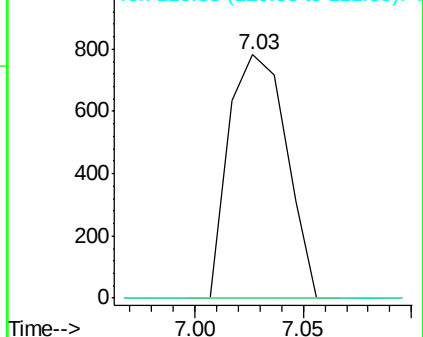


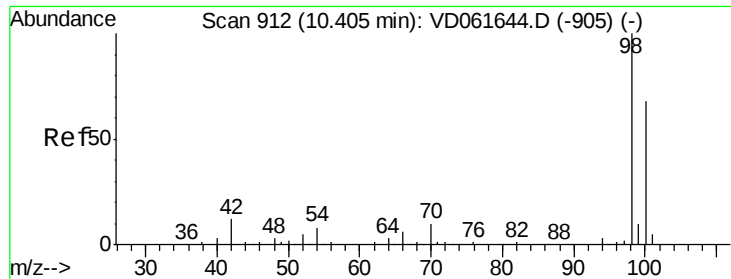
#38
Carbon Tetrachloride
Concen: 3.405 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.08 min
Lab File: VD061786.D
Acq: 12 Apr 2019 18:56

Tgt Ion: 117 Resp: 1442
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.7 37.1#



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

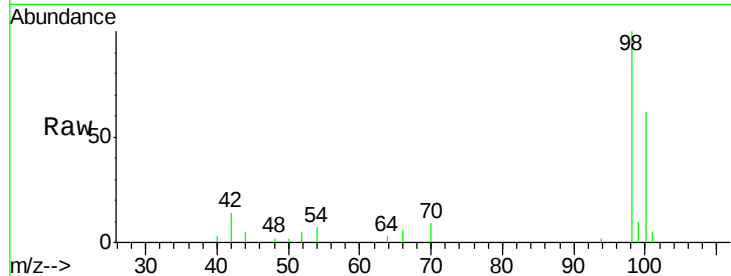




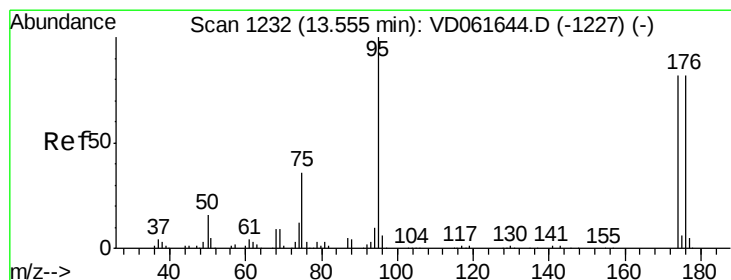
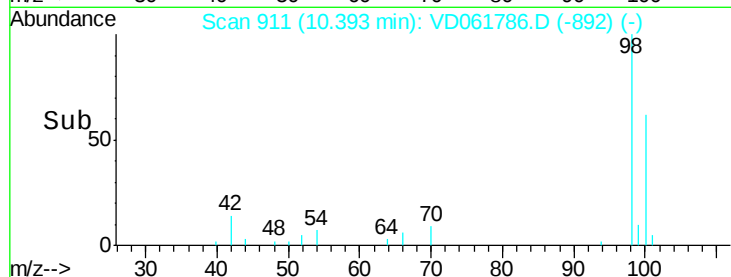
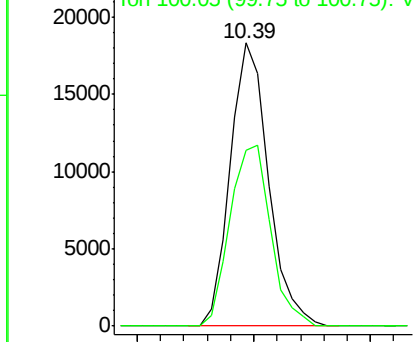
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061786.D
Acq: 12 Apr 2019 18:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 41766
Ion Ratio Lower Upper
98 100
100 62.3 55.4 83.0

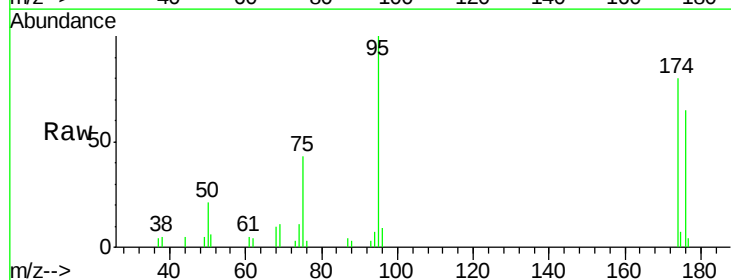


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

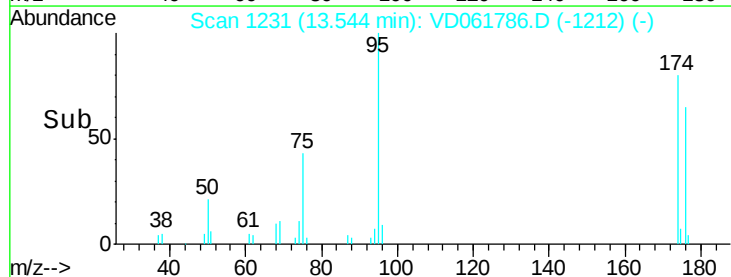
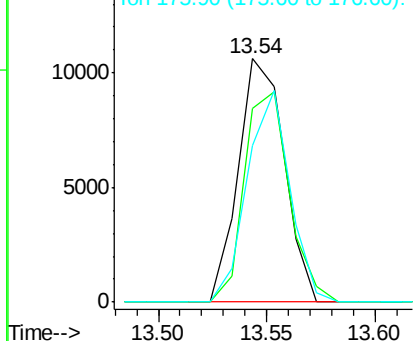


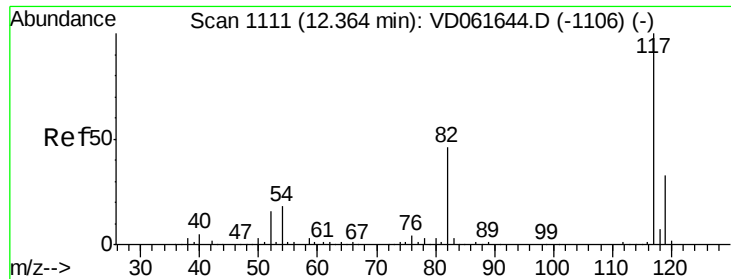
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD061786.D
Acq: 12 Apr 2019 18:56

Tgt Ion: 95 Resp: 15581
Ion Ratio Lower Upper
95 100
174 79.8 0.0 164.6
176 64.5 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

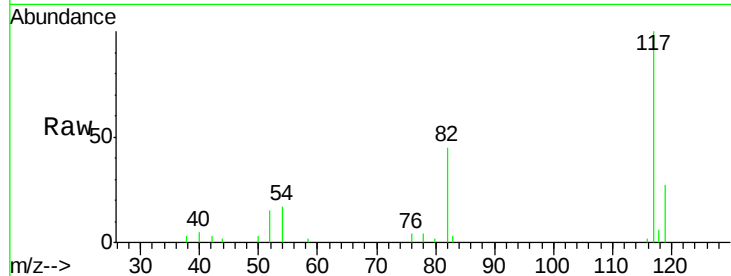




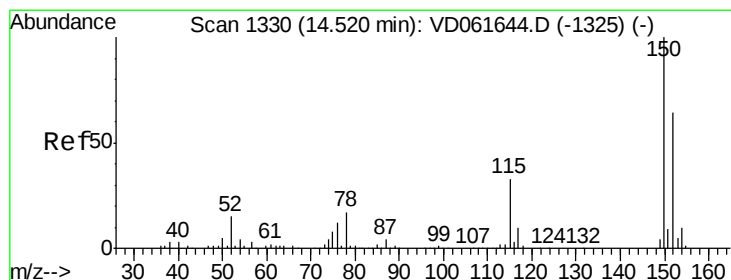
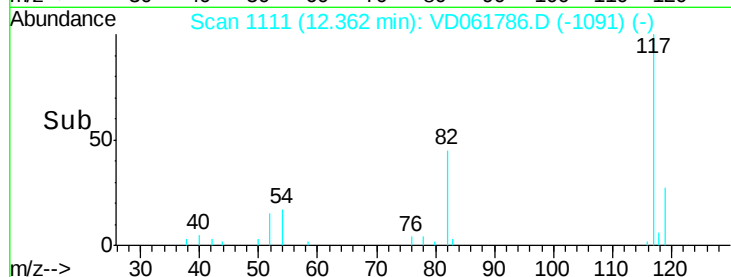
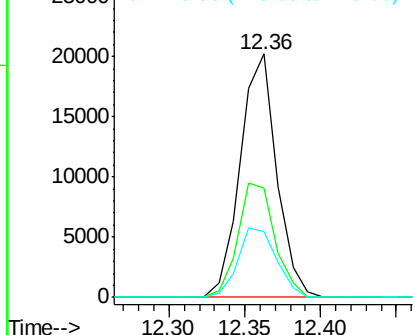
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061786.D
Acq: 12 Apr 2019 18:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 33849
Ion Ratio Lower Upper
117 100
82 44.9 36.8 55.2
119 27.0 26.1 39.1

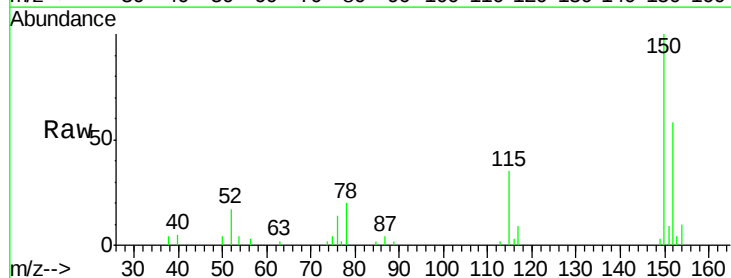


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

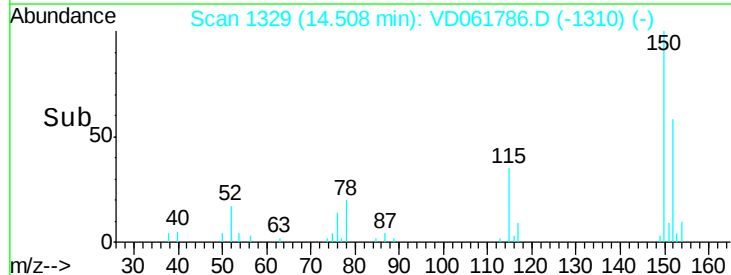
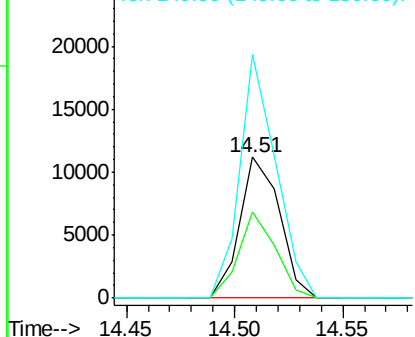


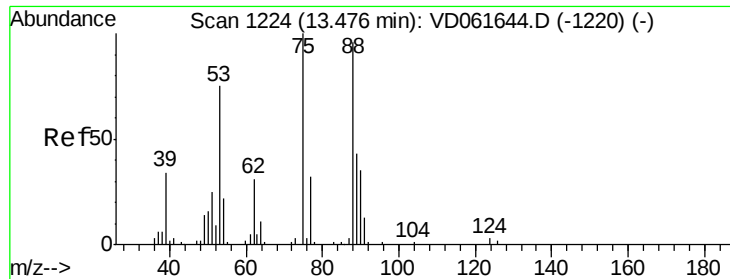
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061786.D
Acq: 12 Apr 2019 18:56

Tgt Ion:152 Resp: 14286
Ion Ratio Lower Upper
152 100
115 60.9 26.4 79.2
150 172.7 0.0 320.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 106.460 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061786.D

Acq: 12 Apr 2019 18:56

Instrument :

MSVOA_D

ClientSampleId :

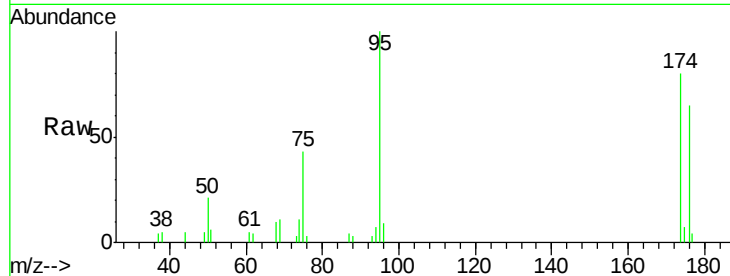
Tot Ion: 75 Resp: 6279

Ion Ratio Lower Upper

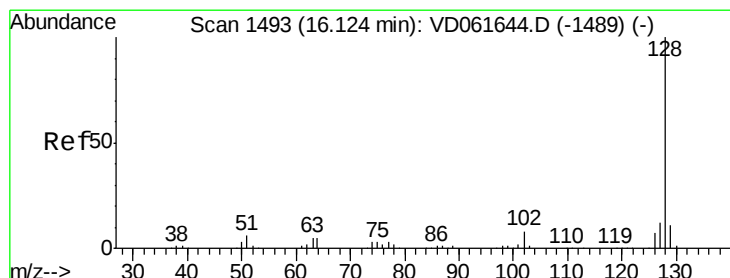
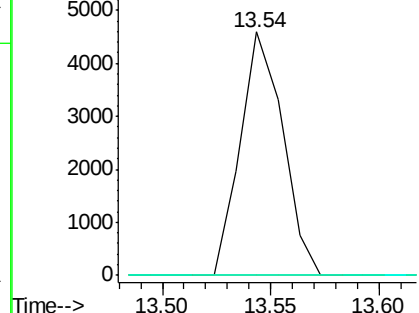
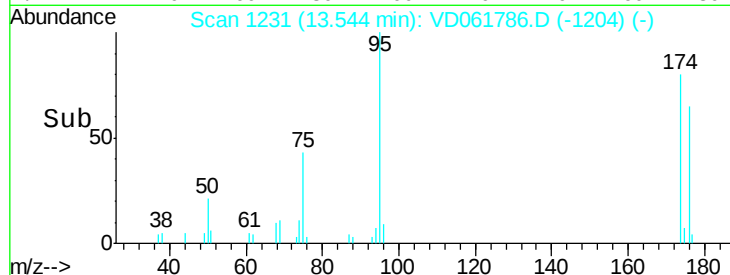
75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#



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



#95

Naphthalene

Concen: 1.380 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD061786.D

Acq: 12 Apr 2019 18:56

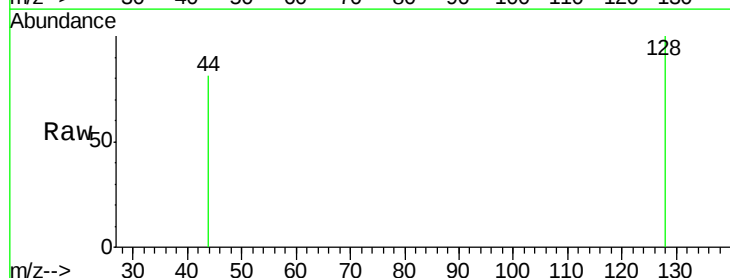
Tgt Ion: 128 Resp: 436

Ion Ratio Lower Upper

128 100

127 0.0 9.4 14.2#

129 0.0 8.8 13.2#



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

