

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\
 Data File : VD061918.D
 Acq On : 19 Apr 2019 19:11
 Operator : VA/AP
 Sample : K2475-05
 Misc : 4.84g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 19 23:10:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	359653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	560938	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	388514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	118873	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	174353	57.84	ug/l	0.00
Spiked Amount			Recovery	=	115.68%	
35) Dibromofluoromethane	6.93	113	245337	57.89	ug/l	0.00
Spiked Amount			Recovery	=	115.78%	
50) Toluene-d8	10.41	98	442420	44.06	ug/l	0.00
Spiked Amount			Recovery	=	88.12%	
62) 4-Bromofluorobenzene	13.56	95	161718	39.73	ug/l	0.00
Spiked Amount			Recovery	=	79.46%	

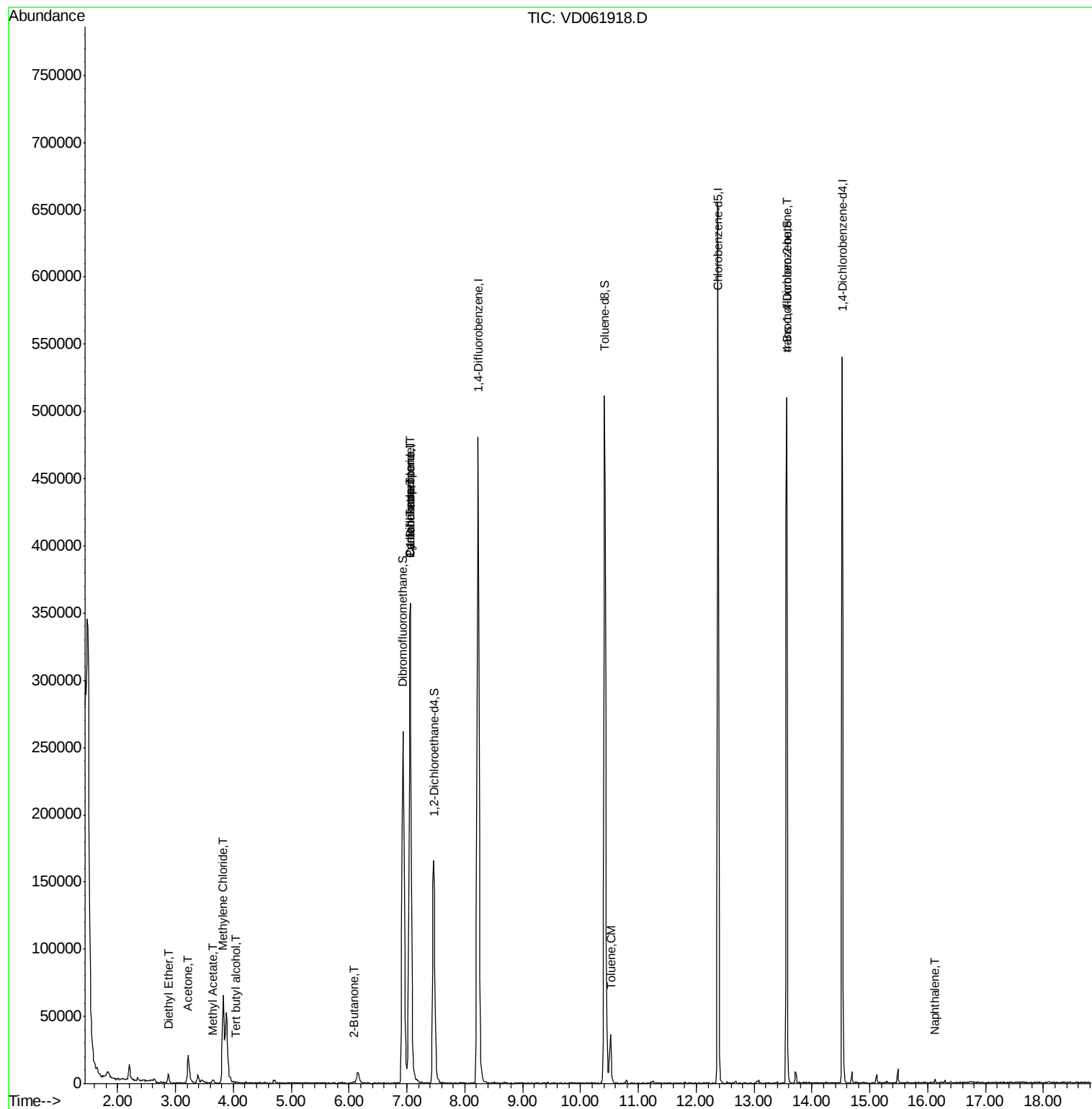
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	718	Below Cal	#	12
8) Diethyl Ether	2.87	74	2714	2.300	ug/l	95
11) Tert butyl alcohol	4.03	59	953	5.361	ug/l #	76
16) Acetone	3.22	43	39712	53.456	ug/l	95
18) Methyl Acetate	3.64	43	4078	2.739	ug/l #	88
20) Methylene Chloride	3.82	84	46145	8.708	ug/l	93
25) 2-Butanone	6.09	43	2380	2.814	ug/l #	56
31) Cyclohexane	7.05	56	5754	1.261	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	25165	5.490	ug/l #	44
38) Carbon Tetrachloride	7.06	117	36490	6.304	ug/l #	15
52) Toluene	10.52	92	20424	2.896	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.56	75	62507	118.647	ug/l #	16
95) Naphthalene	16.12	128	2862	1.062	ug/l #	70

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061918.D

Acq: 19 Apr 2019 19:11

Instrument :

MSVOA_D

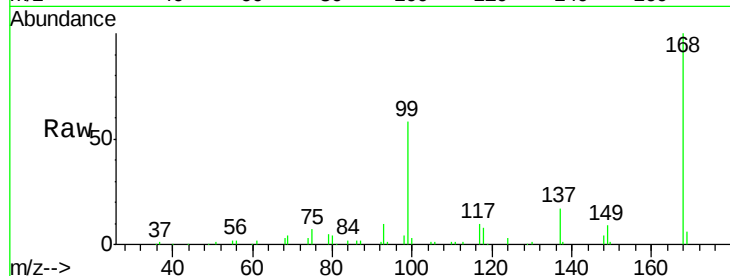
ClientSampled :

Tot Ion:168 Resp: 359653

Ion Ratio Lower Upper

168 100

99 58.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

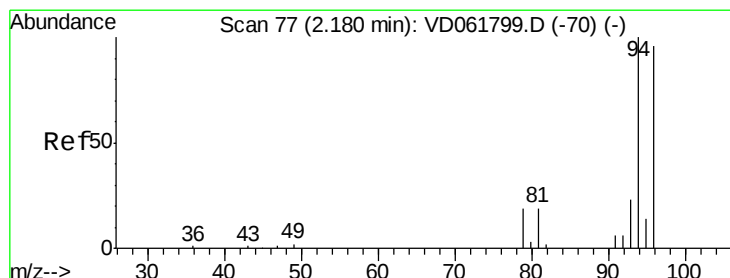
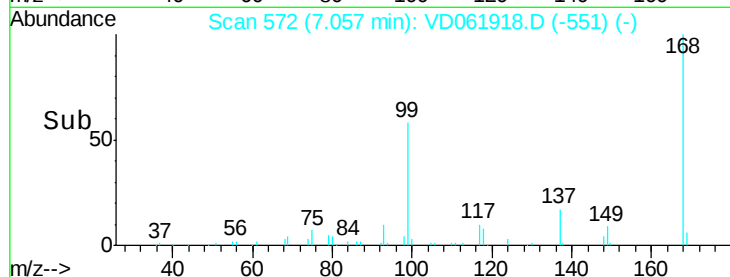
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.17 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD061918.D

Acq: 19 Apr 2019 19:11

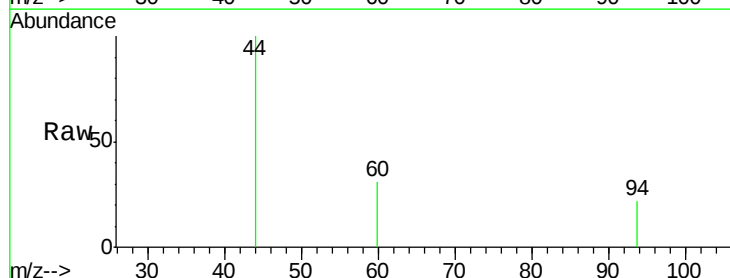
Tgt Ion: 94 Resp: 718

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



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

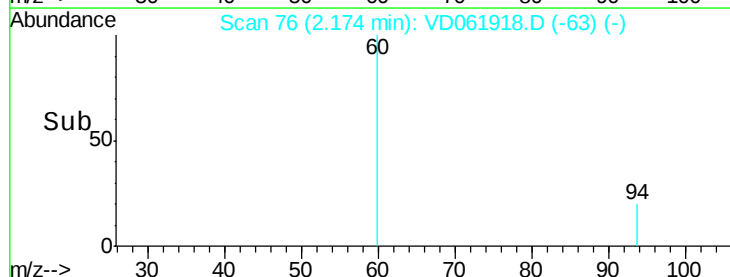
600

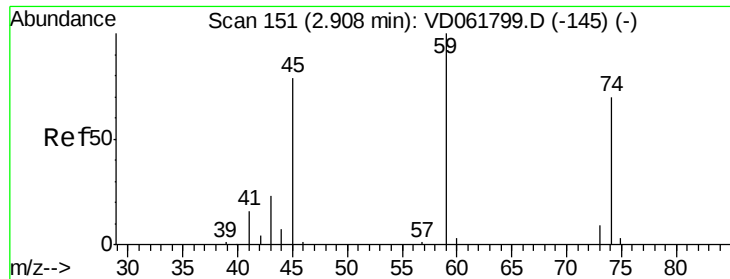
400

200

0

Time-->





#8

Diethyl Ether

Concen: 2.300 ug/l

RT: 2.87 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD061918.D

Acq: 19 Apr 2019 19:11

Instrument :

MSVOA_D

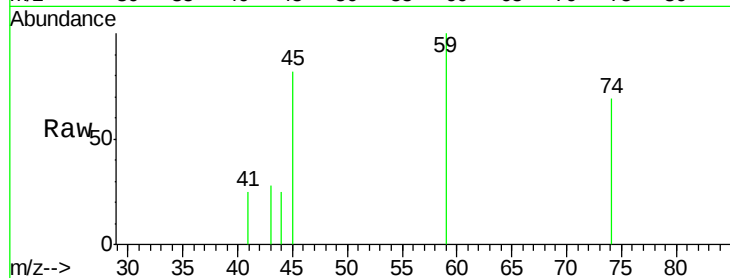
ClientSampleId :

Tot Ion: 74 Resp: 2714

Ion Ratio Lower Upper

74 100

45 119.2 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2000

1500

1000

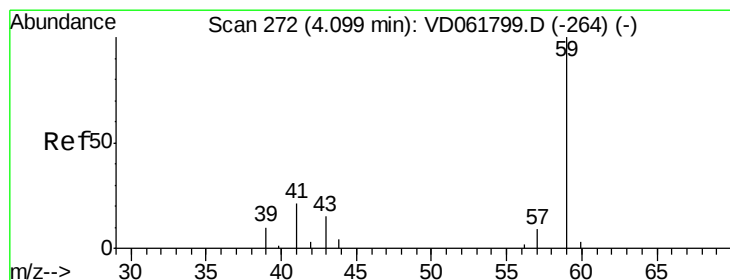
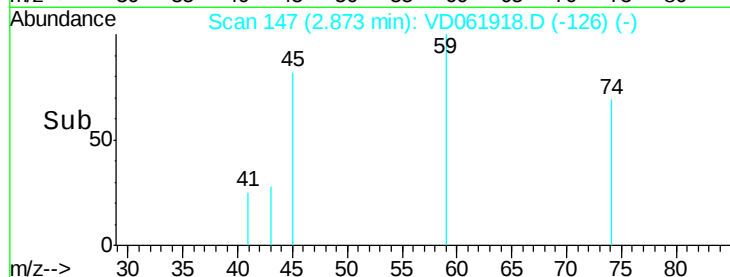
500

0

2.87

2.80 2.85 2.90

Time-->



#11

Tert butyl alcohol

Concen: 5.361 ug/l

RT: 4.03 min Scan# 265

Delta R.T. -0.02 min

Lab File: VD061918.D

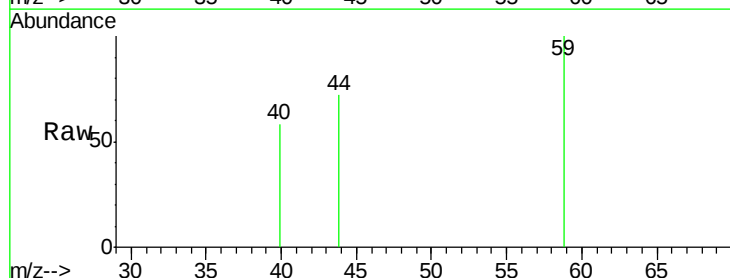
Acq: 19 Apr 2019 19:11

Tgt Ion: 59 Resp: 953

Ion Ratio Lower Upper

59 100

57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

600

500

400

300

200

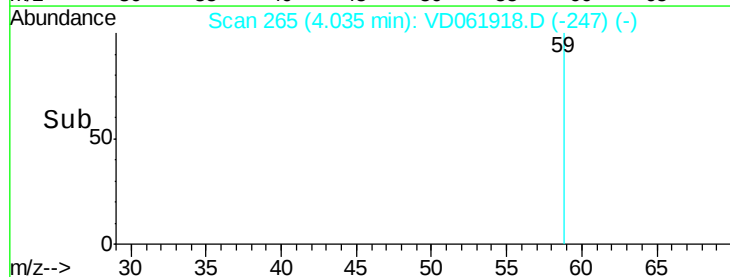
100

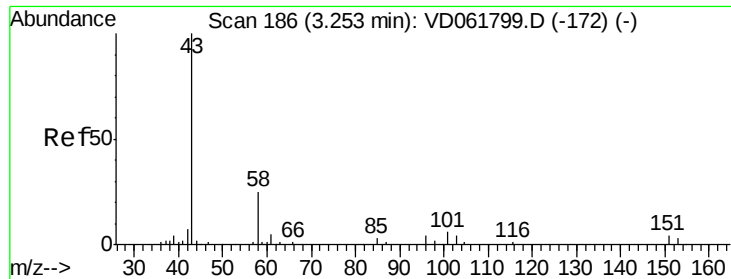
0

4.03

4.00 4.05 4.10

Time-->

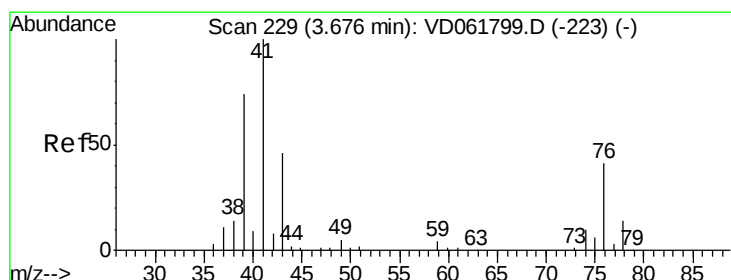
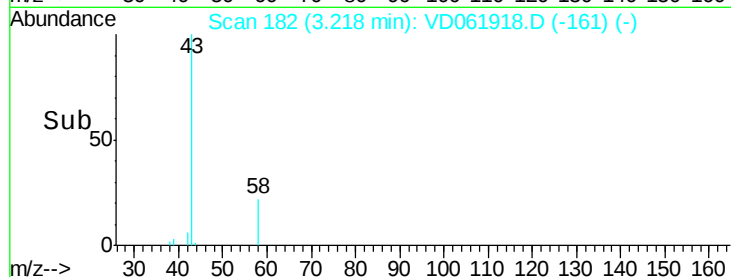
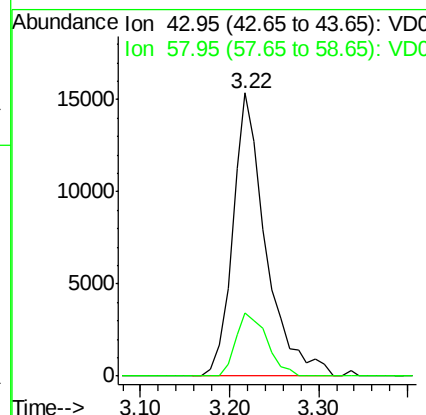
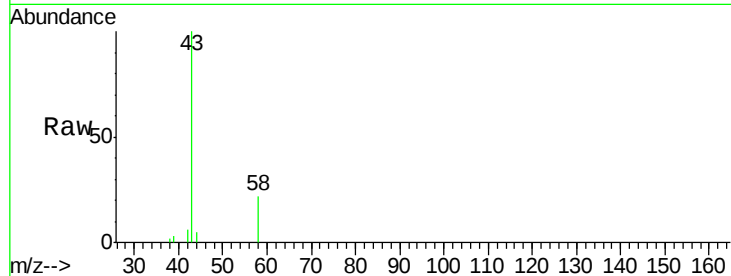




#16
Acetone
Concen: 53.456 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.01 min
Lab File: VD061918.D
Acq: 19 Apr 2019 19:11

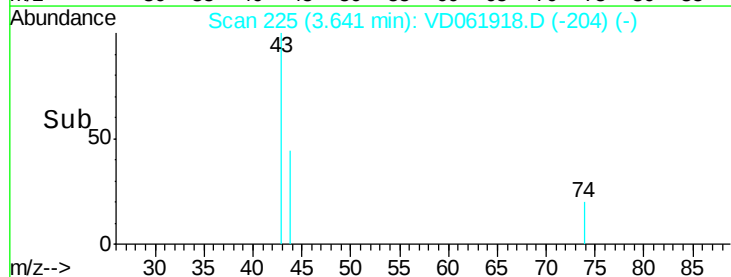
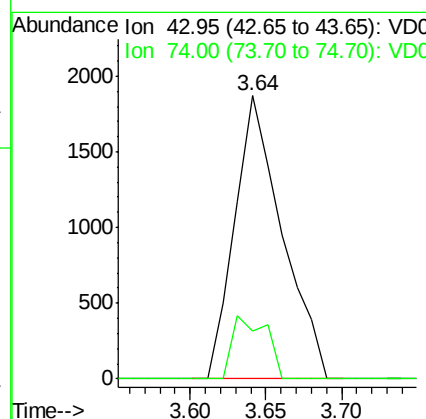
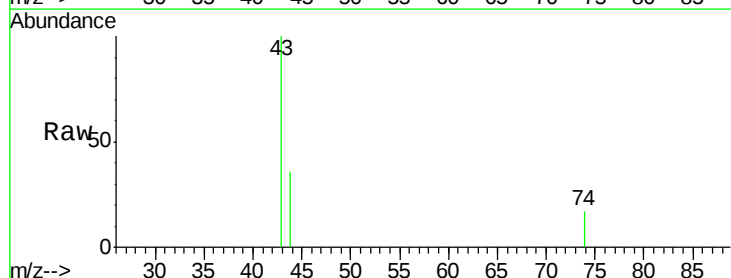
Instrument :
MSVOA_D
ClientSampleId :

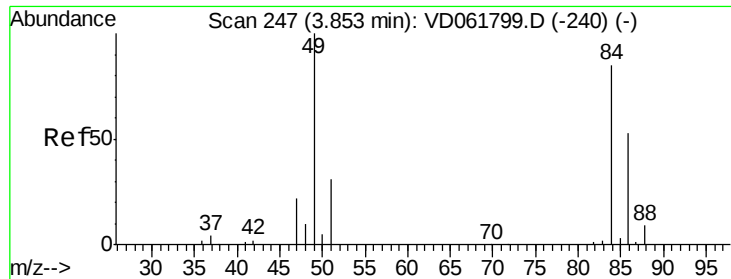
Tot Ion: 43 Resp: 39712
Ion Ratio Lower Upper
43 100
58 22.2 19.9 29.9



#18
Methyl Acetate
Concen: 2.739 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD061918.D
Acq: 19 Apr 2019 19:11

Tgt Ion: 43 Resp: 4078
Ion Ratio Lower Upper
43 100
74 16.9 18.0 27.0#

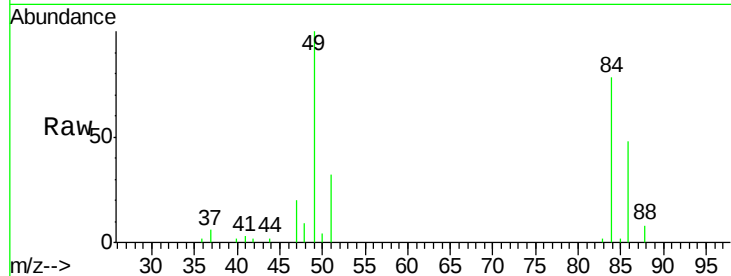




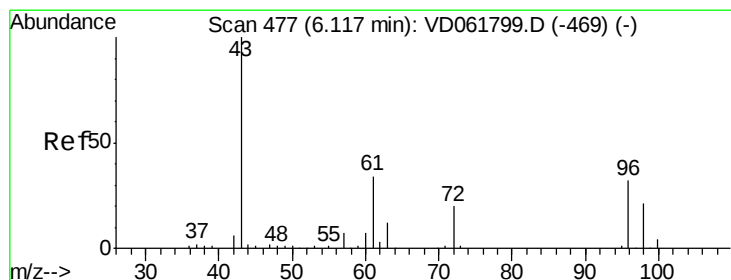
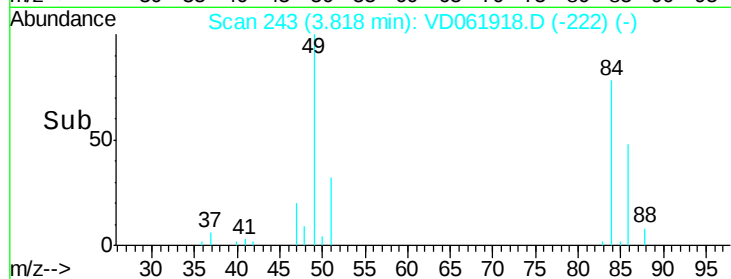
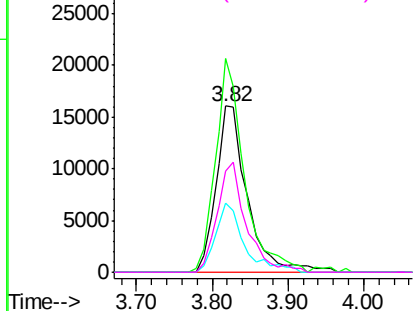
#20
Methvlene Chloride
Concen: 8.708 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061918.D
Acq: 19 Apr 2019 19:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 46145
Ion Ratio Lower Upper
84 100
49 128.5 94.0 141.0
51 41.6 29.0 43.4
86 61.2 49.8 74.6

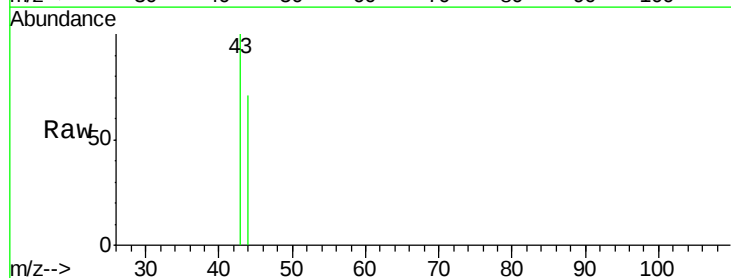


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

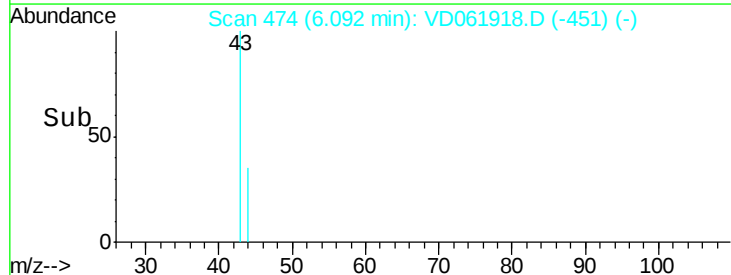
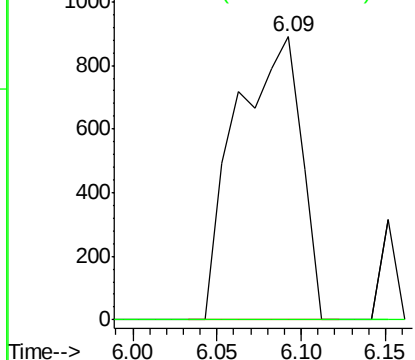


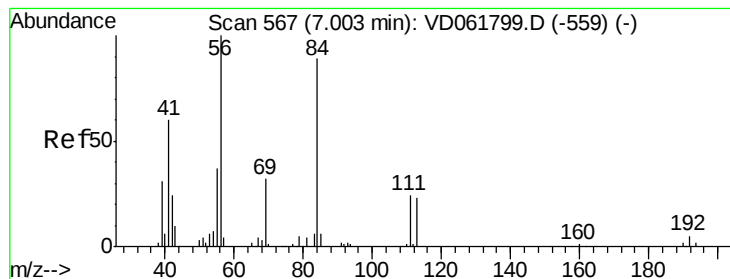
#25
2-Butanone
Concen: 2.814 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.03 min
Lab File: VD061918.D
Acq: 19 Apr 2019 19:11

Tgt Ion: 43 Resp: 2380
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#



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





#31

Cyclohexane

Concen: 1.261 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD061918.D

Acq: 19 Apr 2019 19:11

Instrument :

MSVOA_D

ClientSampled :

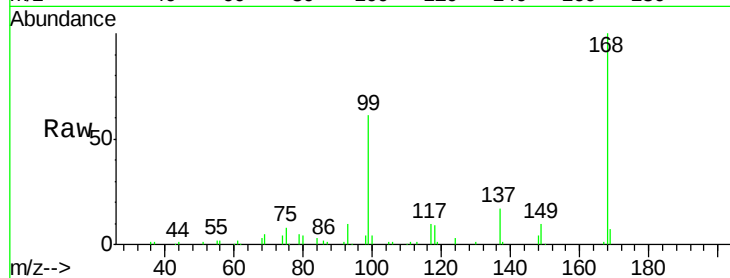
Tot Ion: 56 Resp: 5754

Ion Ratio Lower Upper

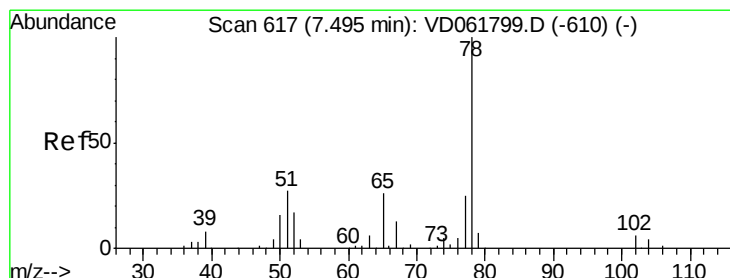
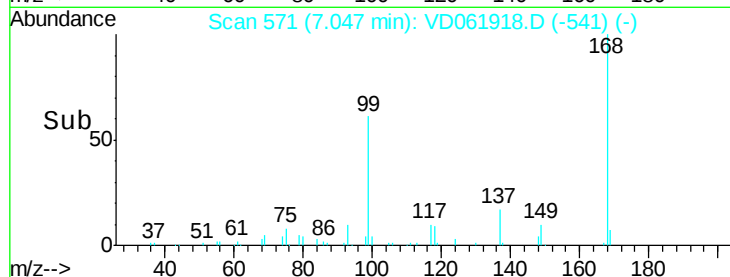
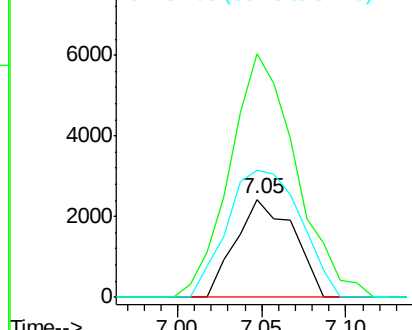
56 100

69 248.0 25.8 38.6#

84 129.6 72.2 108.4#



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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061918.D

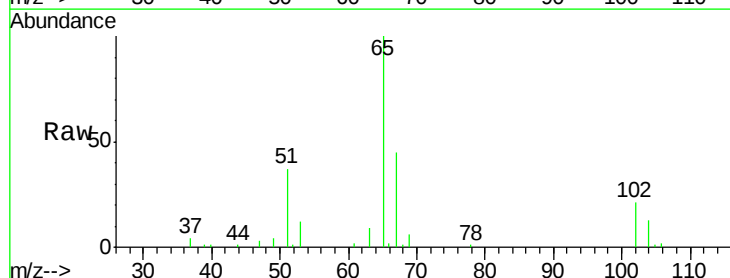
Acq: 19 Apr 2019 19:11

Tgt Ion: 65 Resp: 174353

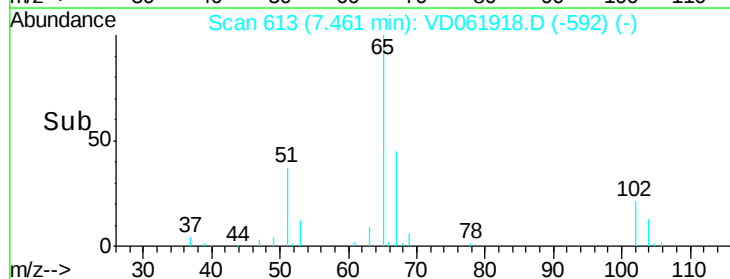
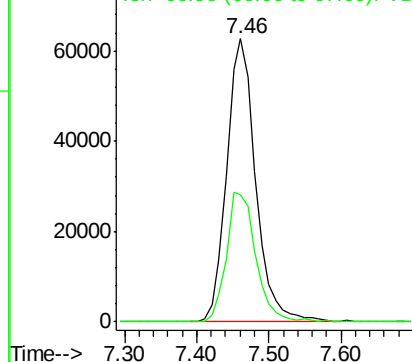
Ion Ratio Lower Upper

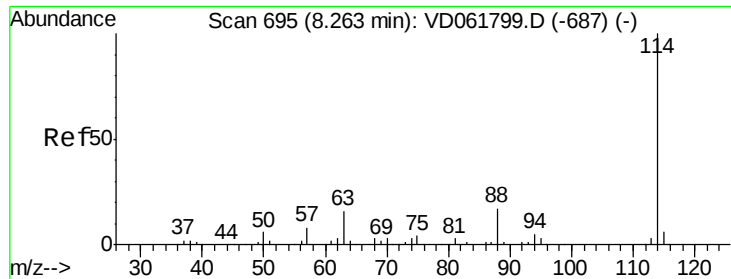
65 100

67 45.1 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

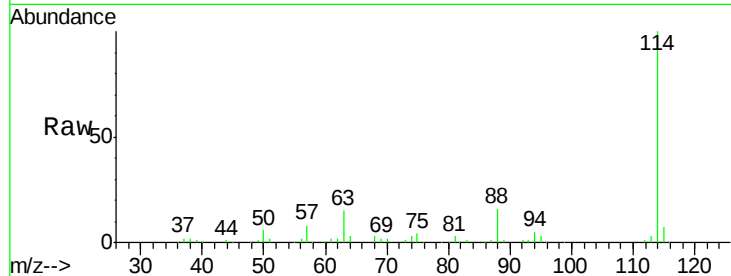




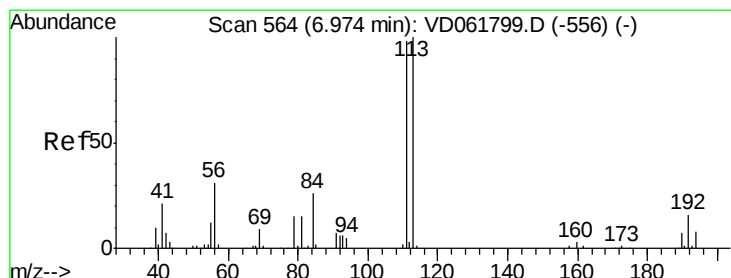
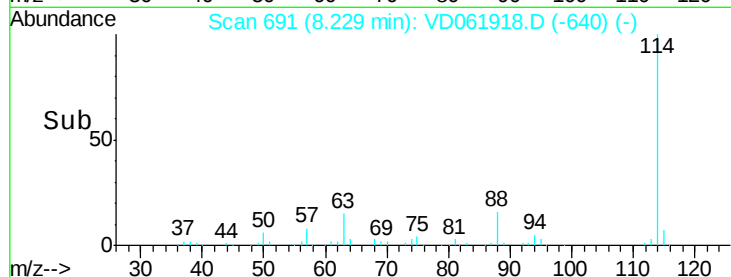
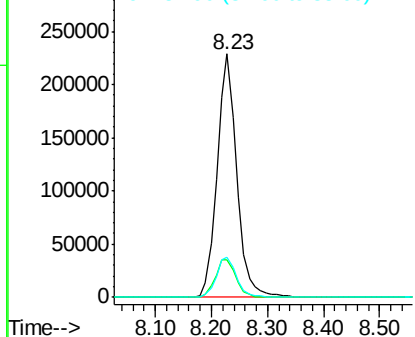
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061918.D
 Acq: 19 Apr 2019 19:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 560938
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 32.4
 88 16.3 0.0 33.6

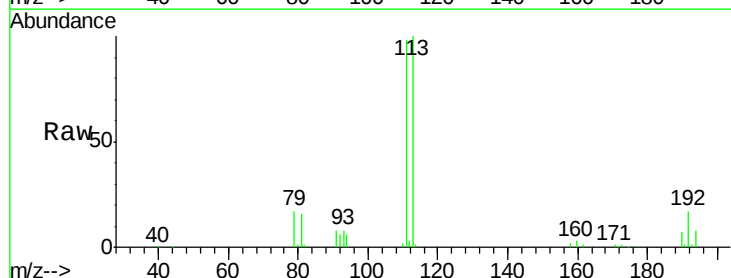


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

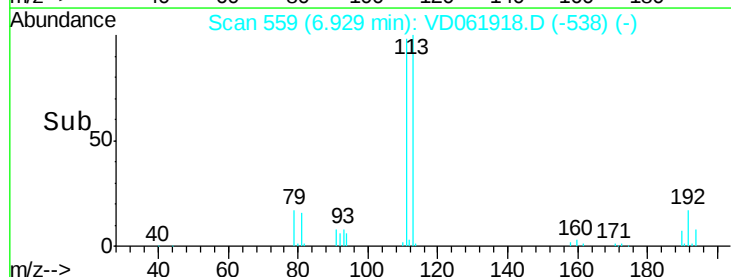
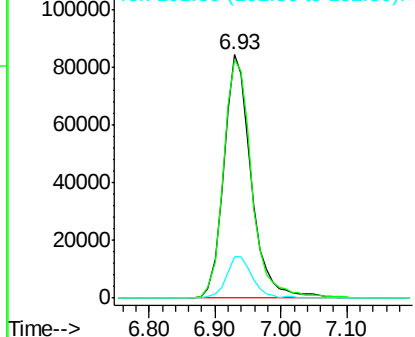


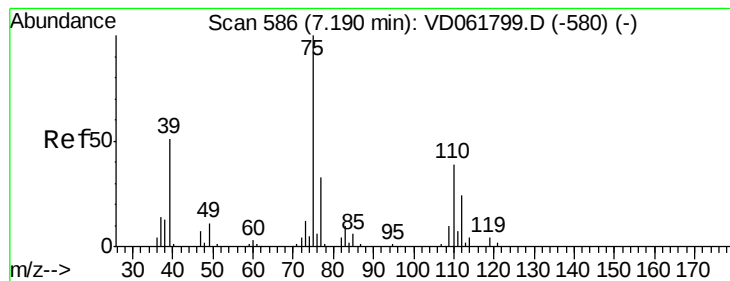
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD061918.D
 Acq: 19 Apr 2019 19:11

Tgt Ion:113 Resp: 245337
 Ion Ratio Lower Upper
 113 100
 111 97.9 78.5 117.7
 192 17.2 13.0 19.4



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: 5.490 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061918.D

Acq: 19 Apr 2019 19:11

Instrument :

MSVOA_D

ClientSampleId :

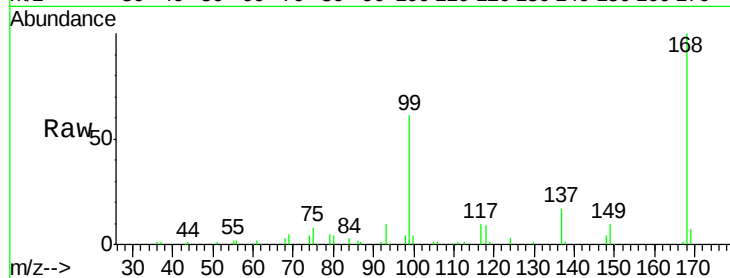
Tot Ion: 75 Resp: 25165

Ion Ratio Lower Upper

75 100

110 5.0 19.1 57.1#

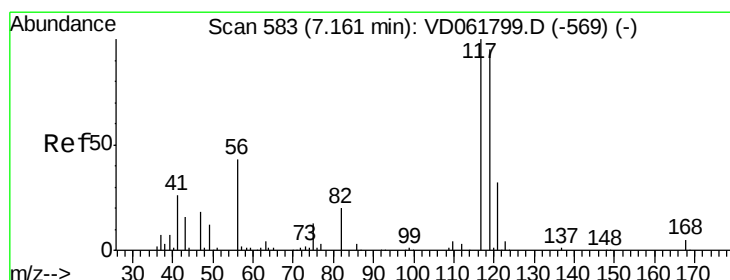
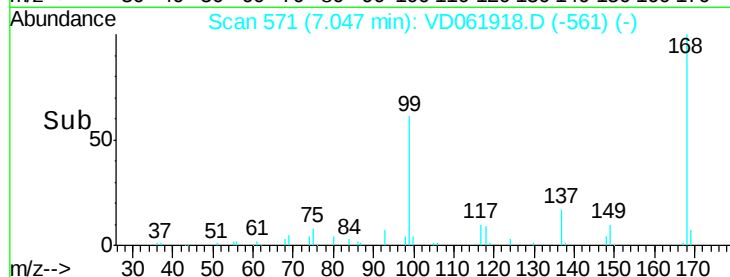
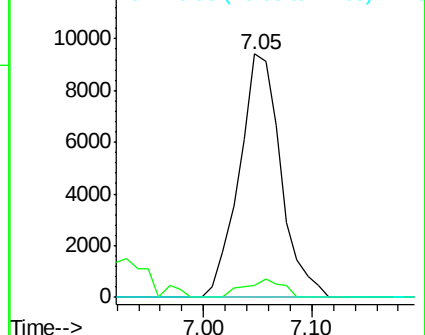
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 6.304 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.05 min

Lab File: VD061918.D

Acq: 19 Apr 2019 19:11

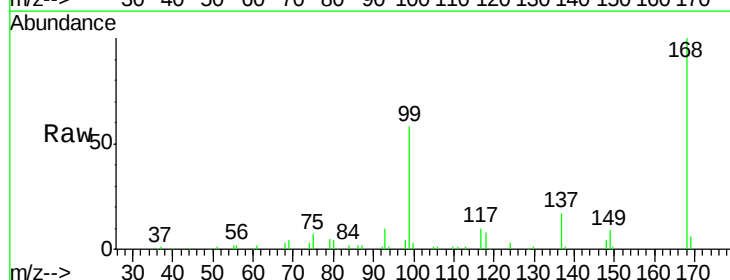
Tgt Ion: 117 Resp: 36490

Ion Ratio Lower Upper

117 100

119 2.9 75.8 113.8#

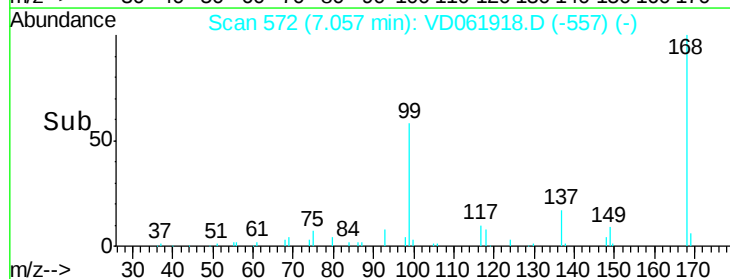
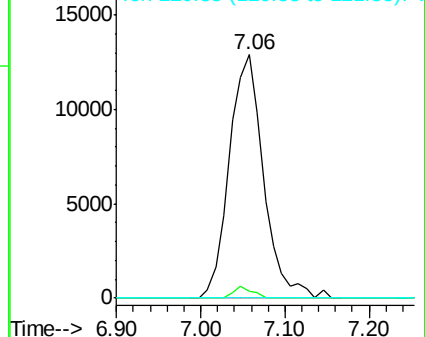
121 0.0 25.9 38.9#

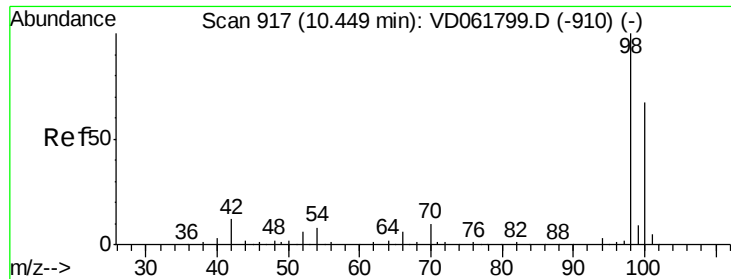


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

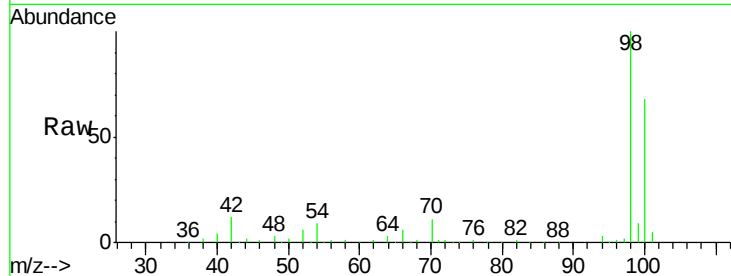




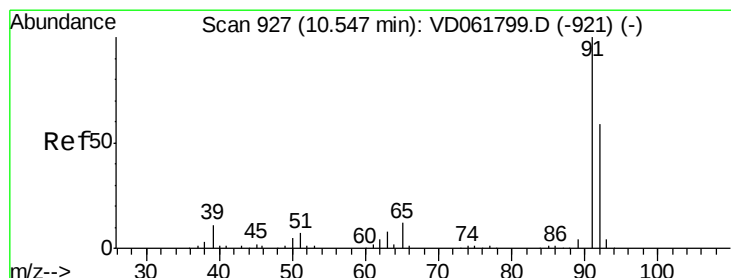
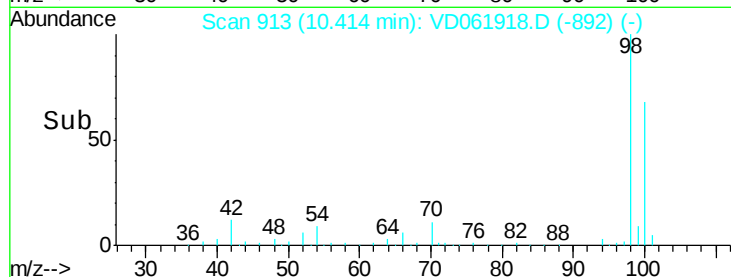
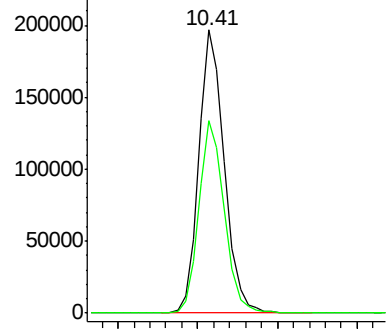
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD061918.D
Acq: 19 Apr 2019 19:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 442420
Ion Ratio Lower Upper
98 100
100 67.9 53.8 80.8

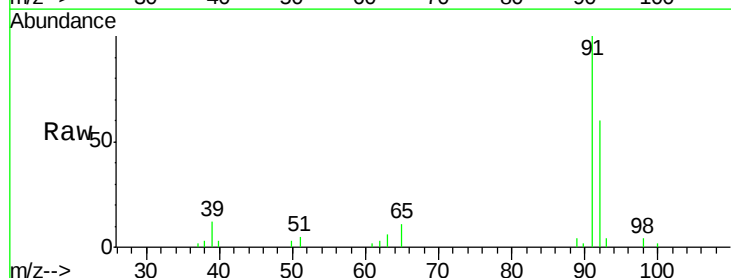


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

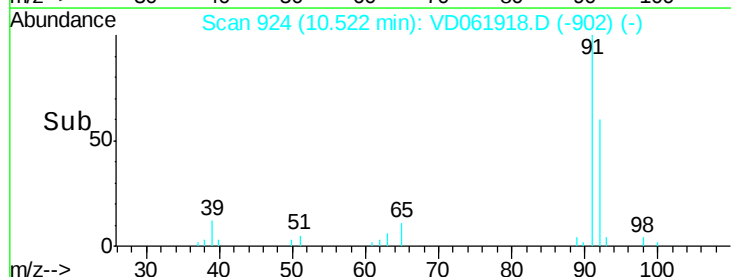
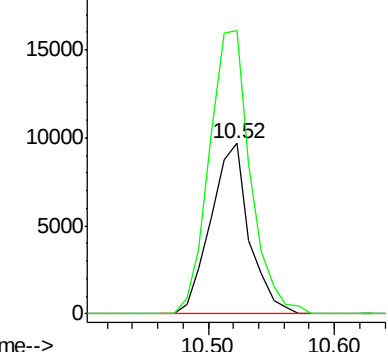


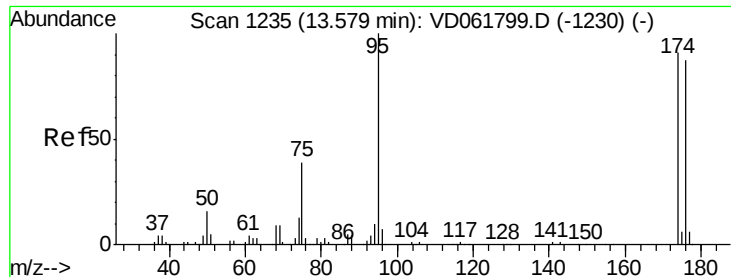
#52
Toluene
Concen: 2.896 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.02 min
Lab File: VD061918.D
Acq: 19 Apr 2019 19:11

Tgt Ion: 92 Resp: 20424
Ion Ratio Lower Upper
92 100
91 166.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

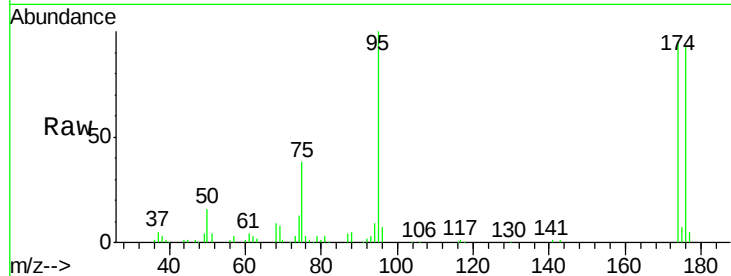




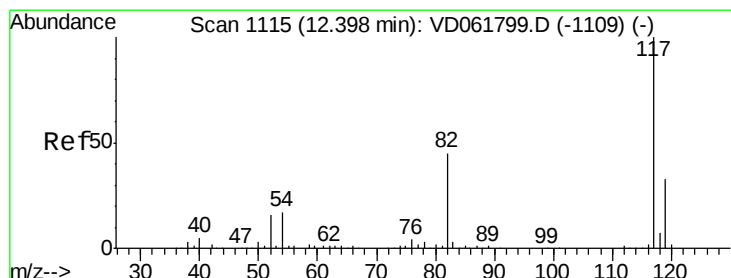
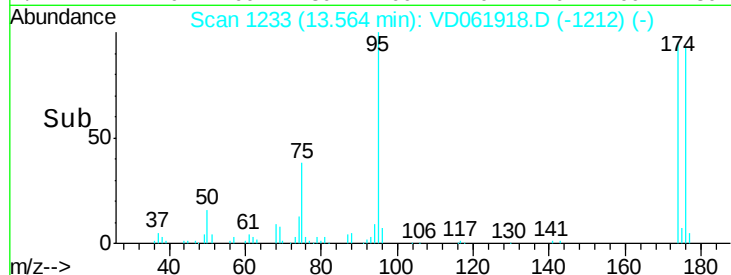
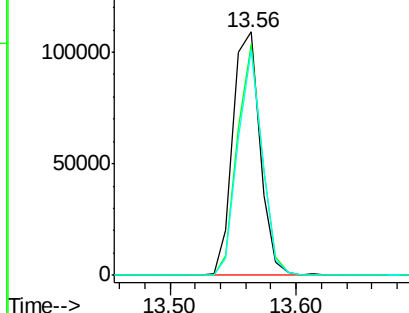
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061918.D
Acq: 19 Apr 2019 19:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 161718
Ion Ratio Lower Upper
95 100
174 94.6 0.0 181.8
176 92.9 0.0 174.4

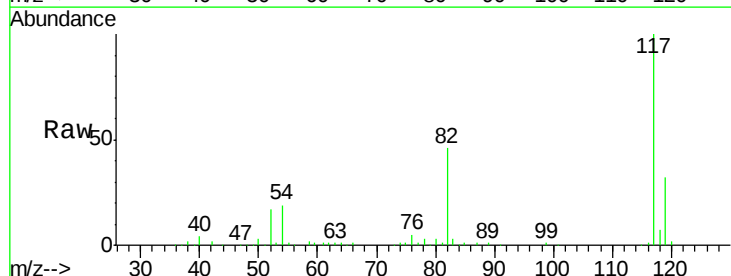


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

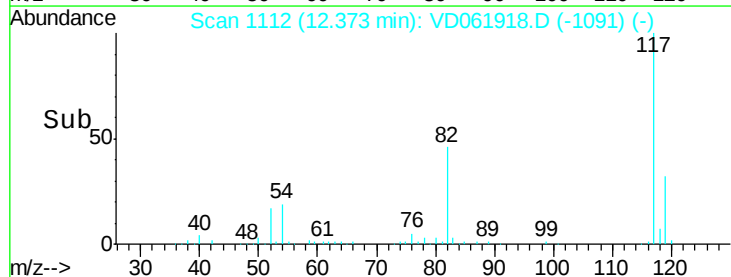
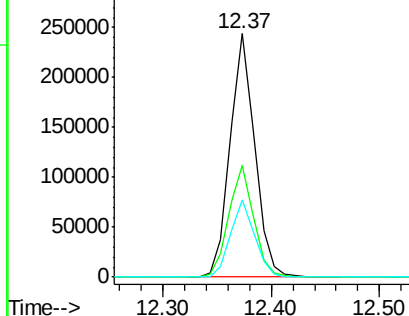


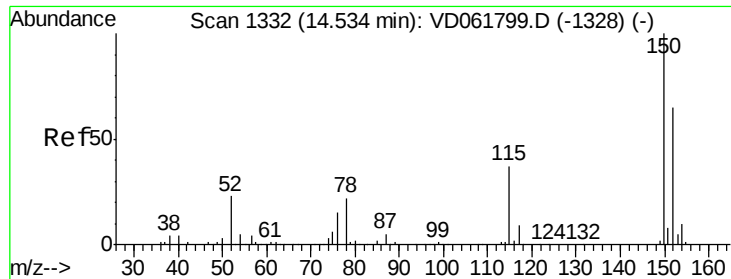
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061918.D
Acq: 19 Apr 2019 19:11

Tgt Ion: 117 Resp: 388514
Ion Ratio Lower Upper
117 100
82 46.0 36.2 54.2
119 31.5 26.2 39.4



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



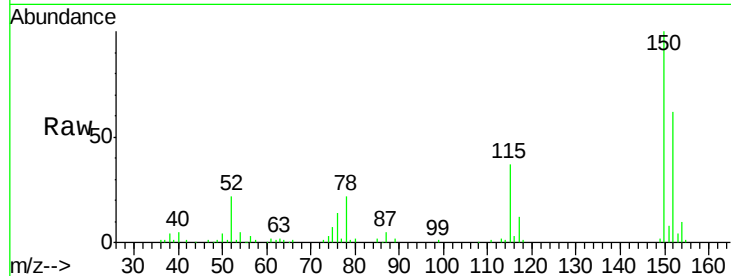


#72

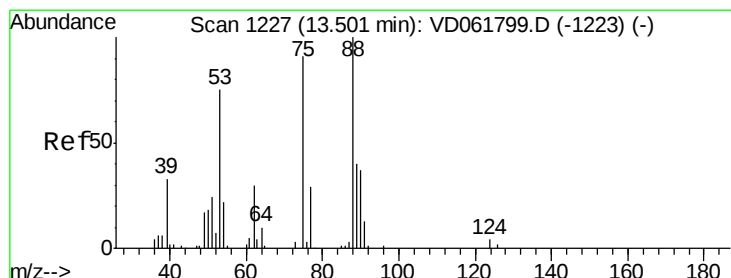
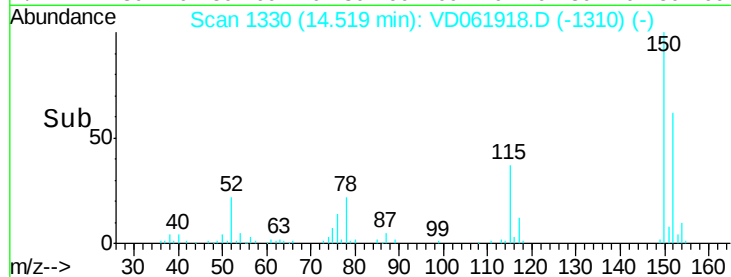
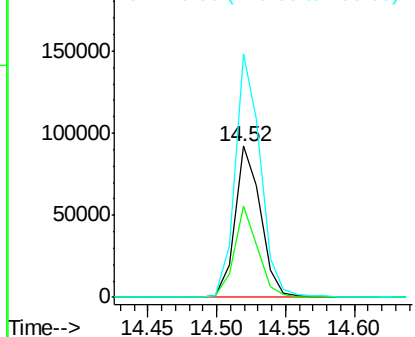
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061918.D
Acq: 19 Apr 2019 19:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 118873
Ion Ratio Lower Upper
152 100
115 60.3 30.9 92.7
150 161.0 0.0 314.8



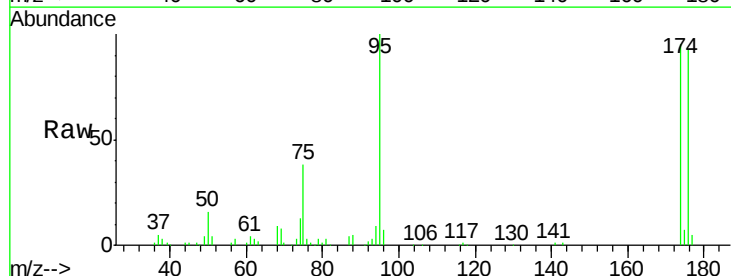
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



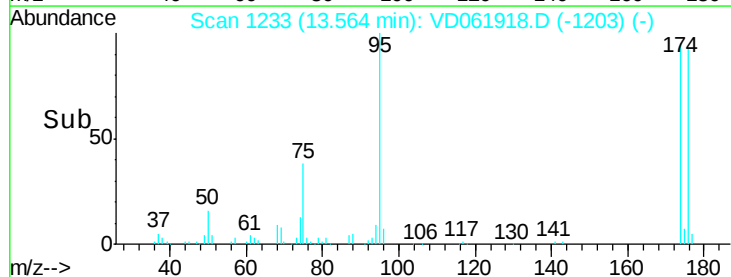
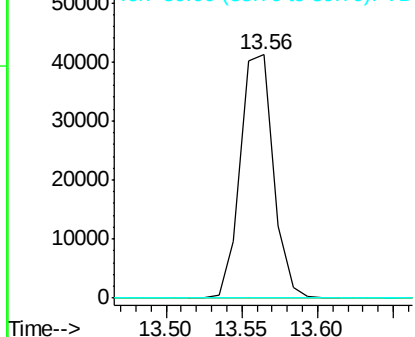
#81

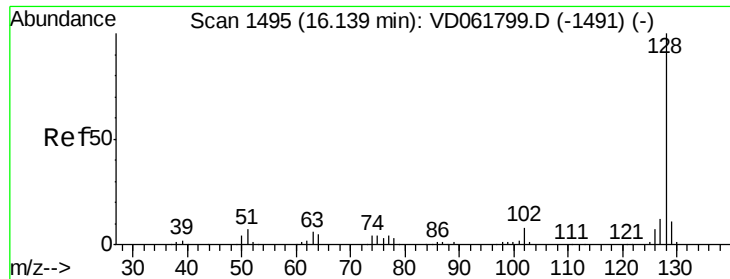
trans-1,4-Dichloro-2-butene
Concen: 118.647 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.09 min
Lab File: VD061918.D
Acq: 19 Apr 2019 19:11

Tgt Ion: 75 Resp: 62507
Ion Ratio Lower Upper
75 100
53 0.0 65.8 98.8#
89 0.0 35.0 52.6#



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: 1.062 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

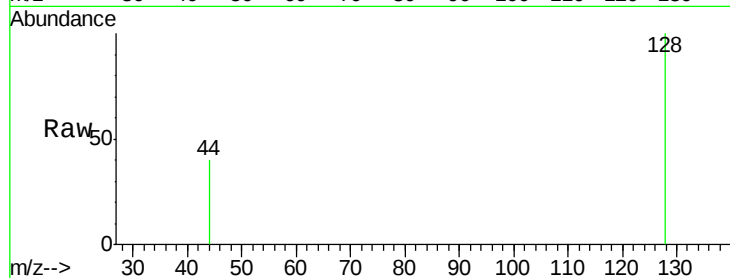
Lab File: VD061918.D

Acq: 19 Apr 2019 19:11

Instrument :

MSVOA_D

ClientSampleId :



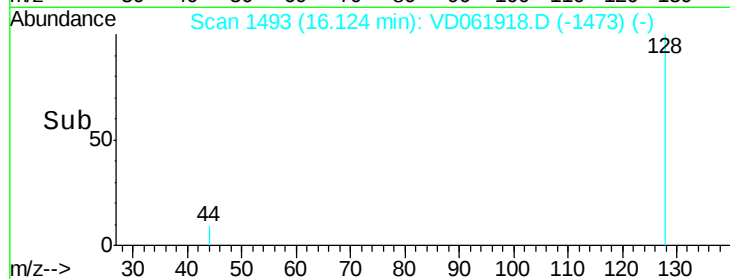
Tot Ion:128 Resp: 2862

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

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

