

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061437.D
 Acq On : 29 Mar 2019 18:42
 Operator : VA/AP
 Sample : K1698-03
 Misc : 8.17g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 29 23:46:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	38078	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	73041	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	64811	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	25406	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	31981	98.32	ug/l	0.02
Spiked Amount 50.000			Recovery	=	196.64%	
35) Dibromofluoromethane	6.93	113	36970	66.23	ug/l	0.03
Spiked Amount 50.000			Recovery	=	132.46%	
50) Toluene-d8	10.41	98	64774	48.38	ug/l	0.02
Spiked Amount 50.000			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	13.56	95	32334	62.98	ug/l	0.01
Spiked Amount 50.000			Recovery	=	125.96%	

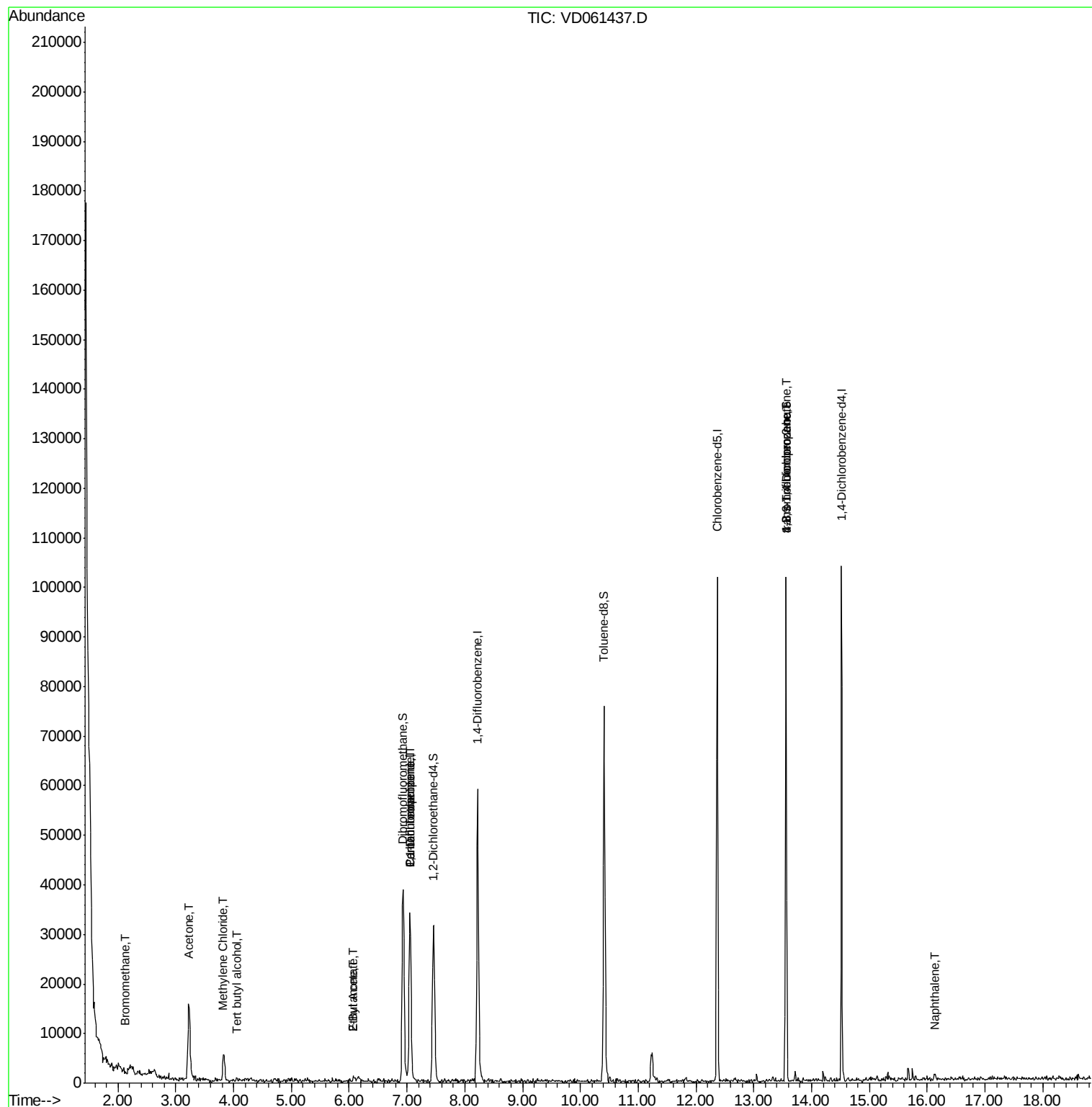
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	261	4.322	ug/l #	10
11) Tert butyl alcohol	4.04	59	787	38.850	ug/l #	76
16) Acetone	3.22	43	31313	374.477	ug/l	91
20) Methylene Chloride	3.83	84	4257	7.454	ug/l	89
25) 2-Butanone	6.08	43	1949	18.529	ug/l #	54
36) 1,1-Dichloropropene	7.04	75	2477	3.886	ug/l #	38
37) Ethyl Acetate	6.08	43	1949	7.149	ug/l #	65
38) Carbon Tetrachloride	7.05	117	3487	4.760	ug/l #	10
76) 1,2,3-Trichloropropane	13.56	75	10970	29.891	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	12160	108.671	ug/l #	18
95) Naphthalene	16.13	128	1091	2.158	ug/l #	70

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD061437.D

Acq: 29 Mar 2019 18:42

Instrument :

MSVOA_D

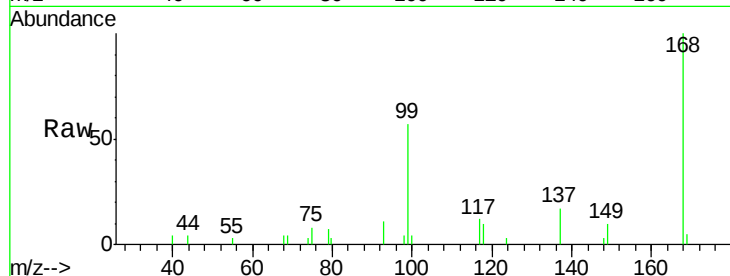
ClientSampleId :

Tot Ion:168 Resp: 38078

Ion Ratio Lower Upper

168 100

99 57.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

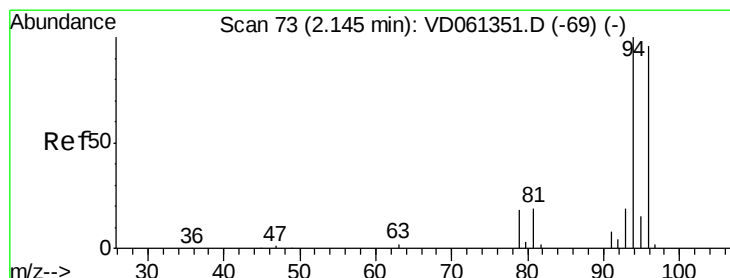
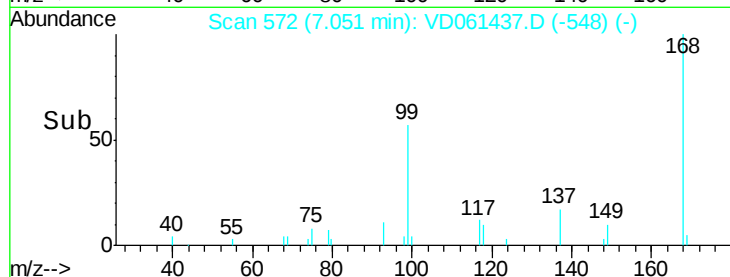
15000

10000

5000

0

Time-->



#5

Bromomethane

Concen: 4.322 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD061437.D

Acq: 29 Mar 2019 18:42

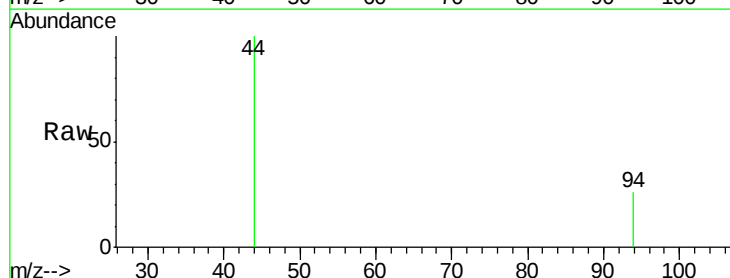
Tgt Ion: 94 Resp: 261

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

93 0.0 15.6 23.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.13

600

500

400

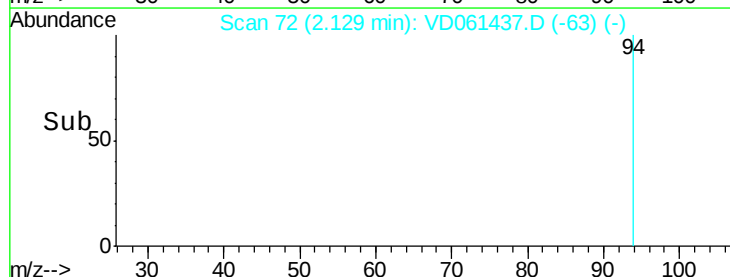
300

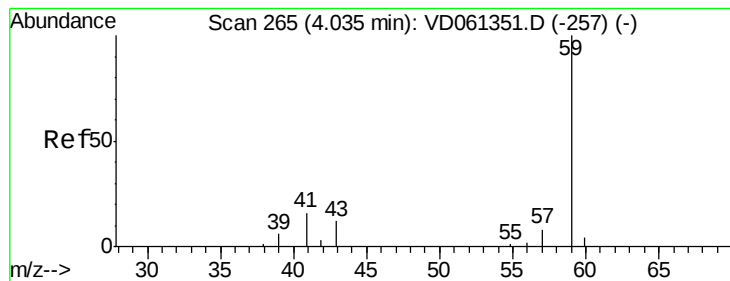
200

100

0

Time-->



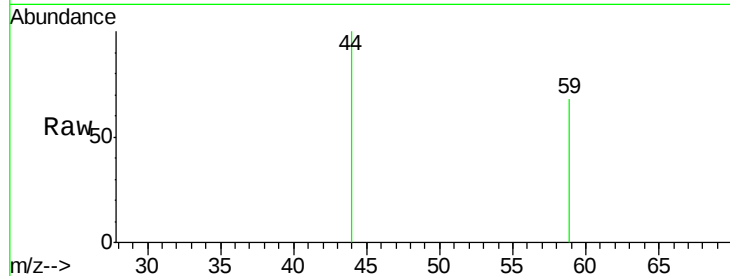


#11

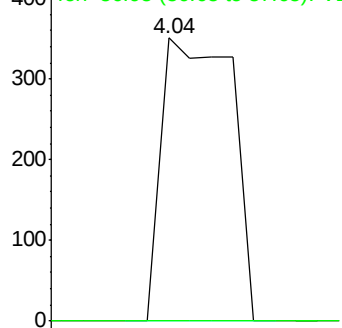
Tert butyl alcohol
Concen: 38.850 ug/l
RT: 4.04 min Scan# 266
Delta R.T. 0.00 min
Lab File: VD061437.D
Acq: 29 Mar 2019 18:42

Instrument :
MSVOA_D
ClientSampled :

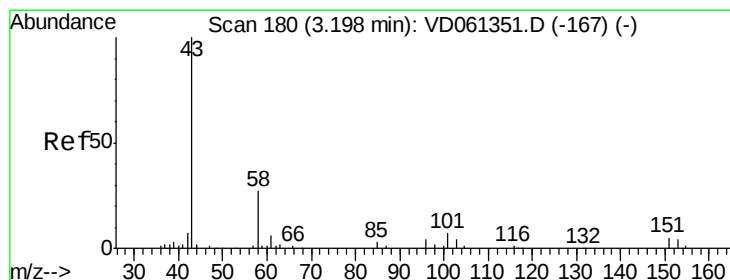
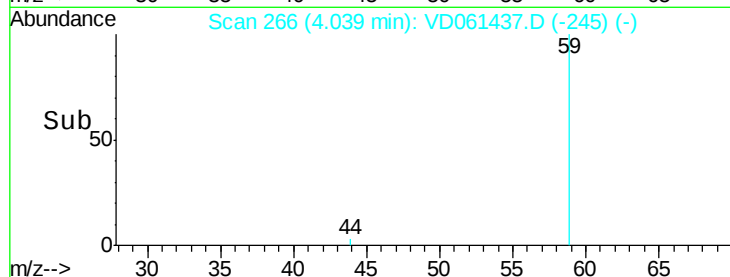
Tot Ion: 59 Resp: 787
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#



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



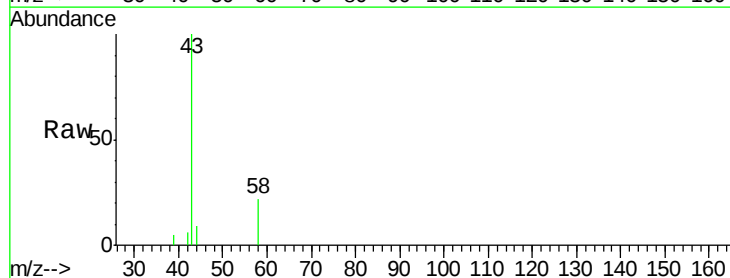
Time-->



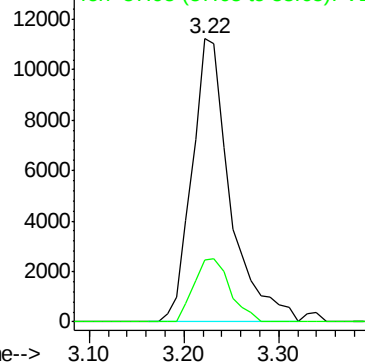
#16

Acetone
Concen: 374.477 ug/l
RT: 3.22 min Scan# 183
Delta R.T. 0.02 min
Lab File: VD061437.D
Acq: 29 Mar 2019 18:42

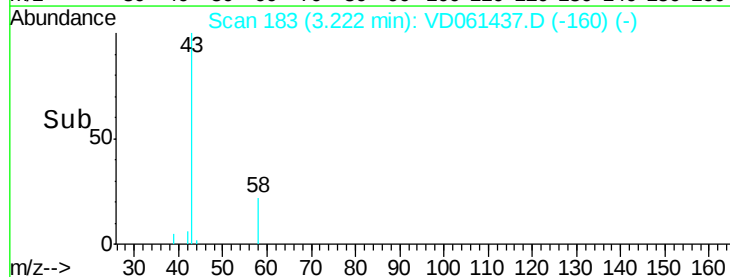
Tgt Ion: 43 Resp: 31313
Ion Ratio Lower Upper
43 100
58 22.1 21.5 32.3

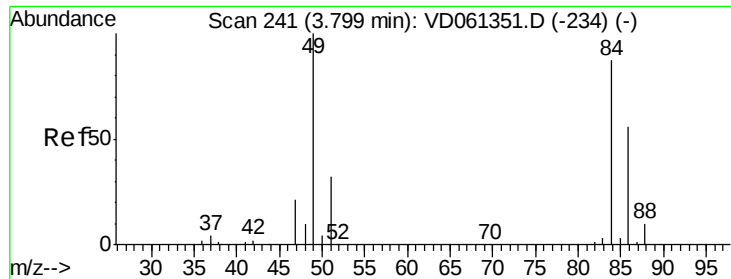


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



Time-->

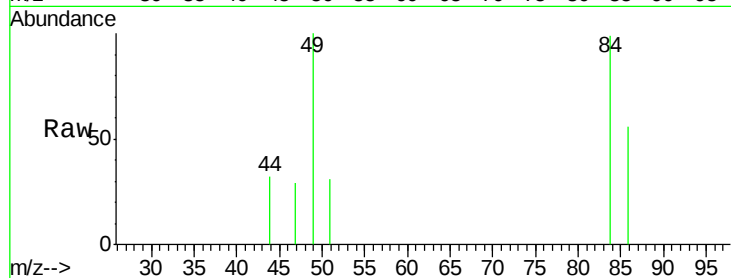




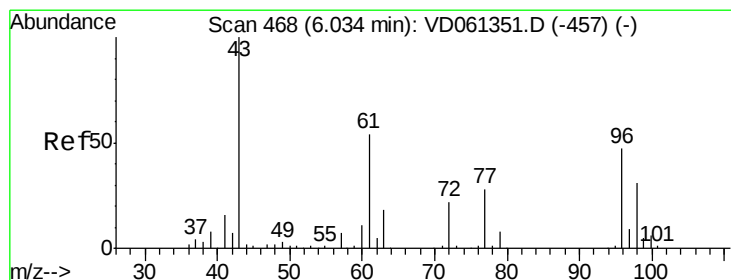
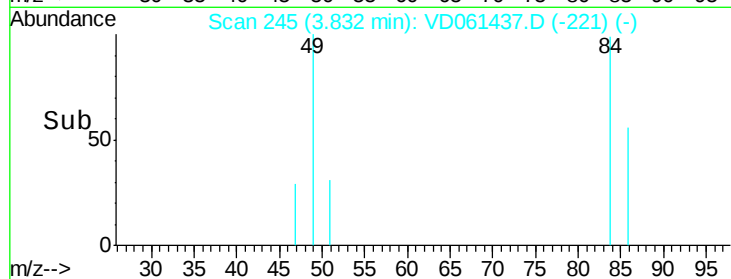
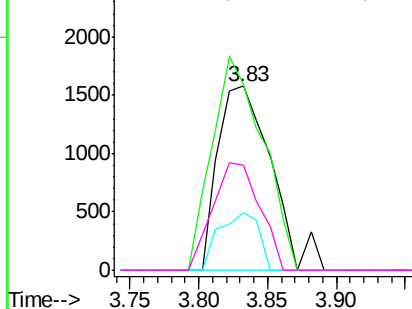
#20
Methylene Chloride
Concen: 7.454 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.03 min
Lab File: VD061437.D
Acq: 29 Mar 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 4257
Ion Ratio Lower Upper
84 100
49 100.8 91.8 137.8
51 31.5 29.8 44.8
86 56.9 51.8 77.6

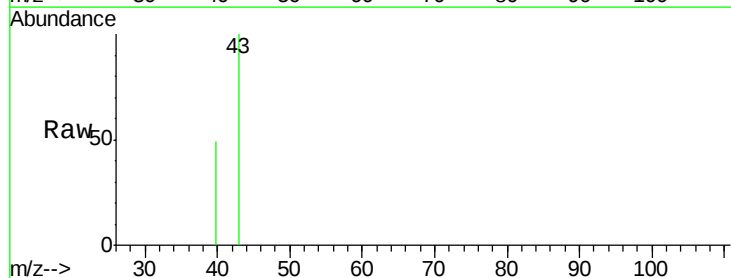


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

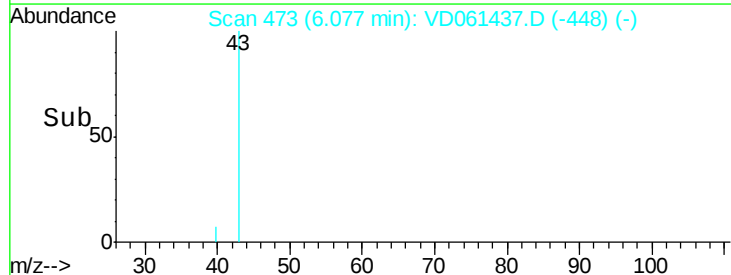
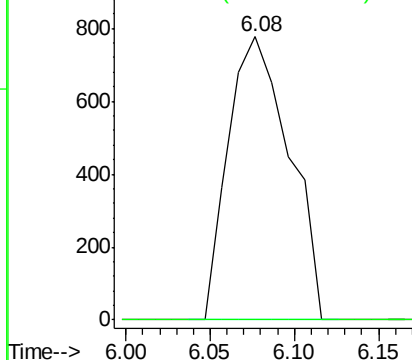


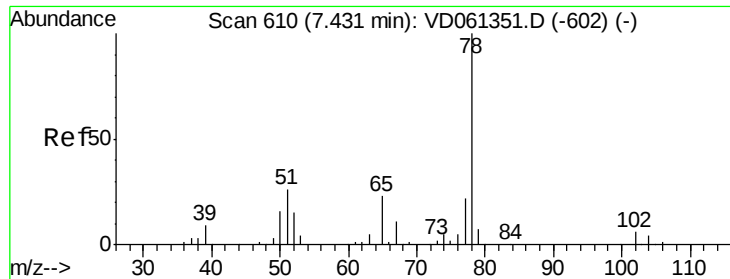
#25
2-Butanone
Concen: 18.529 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.04 min
Lab File: VD061437.D
Acq: 29 Mar 2019 18:42

Tgt Ion: 43 Resp: 1949
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#



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: 7.45 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061437.D

Acq: 29 Mar 2019 18:42

Instrument :

MSVOA_D

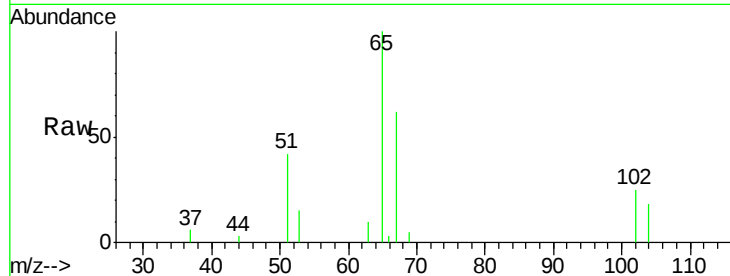
ClientSampleId :

Tot Ion: 65 Resp: 31981

Ion Ratio Lower Upper

65 100

67 62.2 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

12000

10000

8000

6000

4000

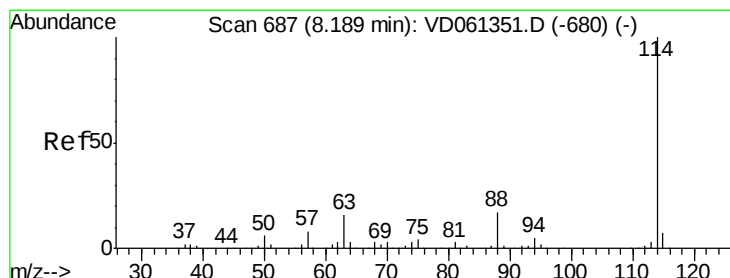
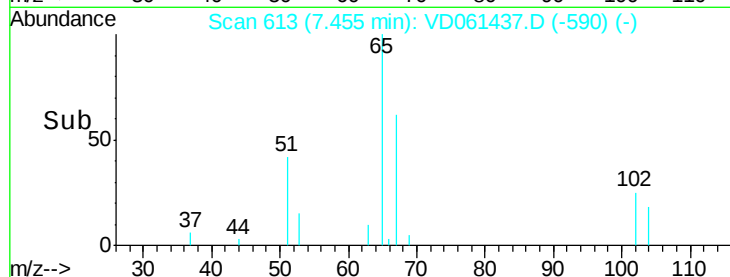
2000

0

Time-->

7.40

7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD061437.D

Acq: 29 Mar 2019 18:42

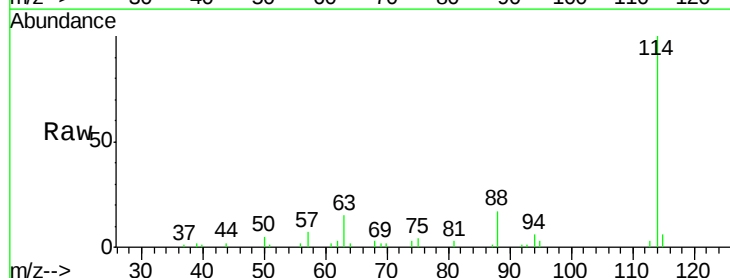
Tgt Ion: 114 Resp: 73041

Ion Ratio Lower Upper

114 100

63 15.1 0.0 31.6

88 16.9 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

40000

30000

20000

10000

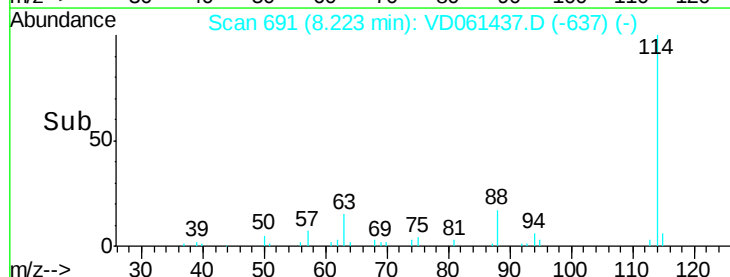
0

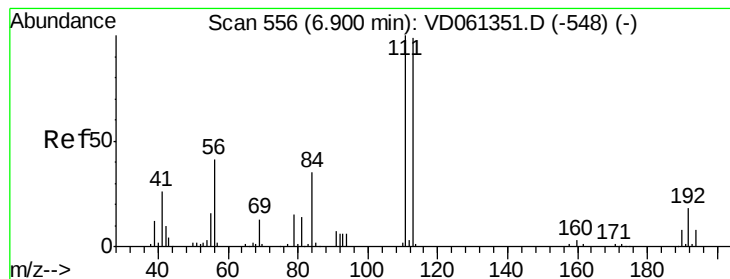
Time-->

8.10

8.20

8.30





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD061437.D

Acq: 29 Mar 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

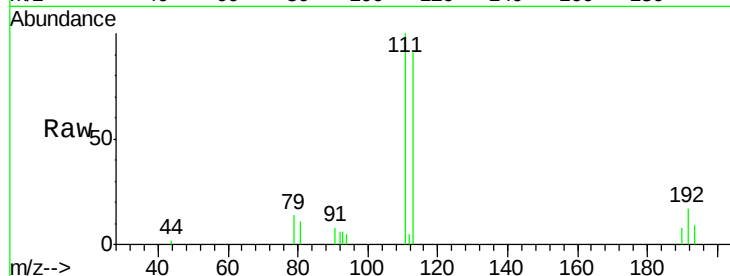
Tot Ion:113 Resp: 36970

Ion Ratio Lower Upper

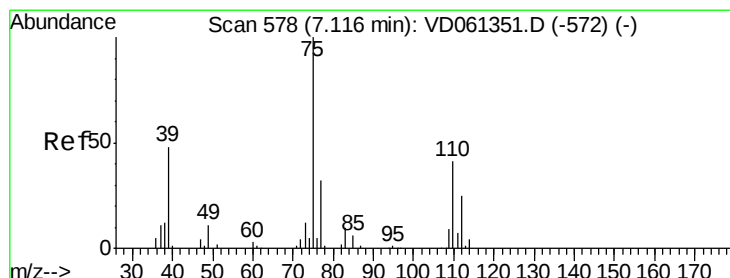
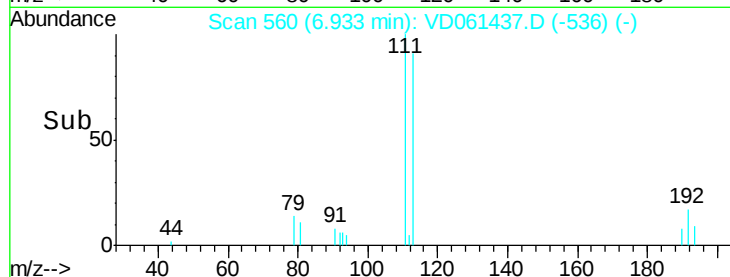
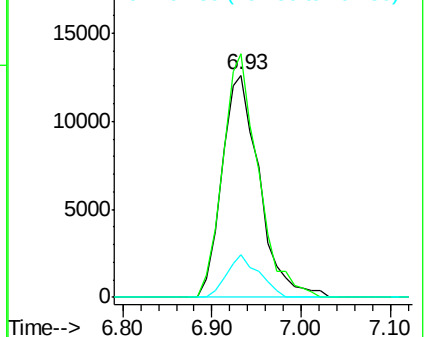
113 100

111 109.6 81.0 121.6

192 19.1 14.4 21.6



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



#36

1,1-Dichloropropene

Concen: 3.886 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD061437.D

Acq: 29 Mar 2019 18:42

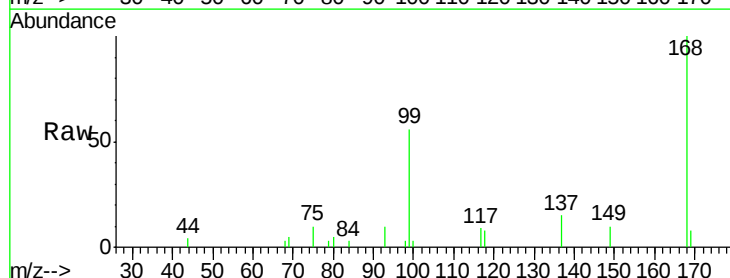
Tgt Ion: 75 Resp: 2477

Ion Ratio Lower Upper

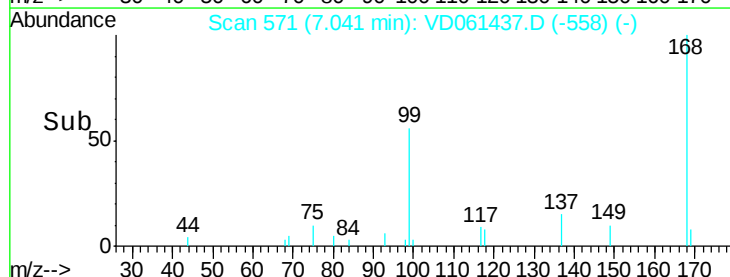
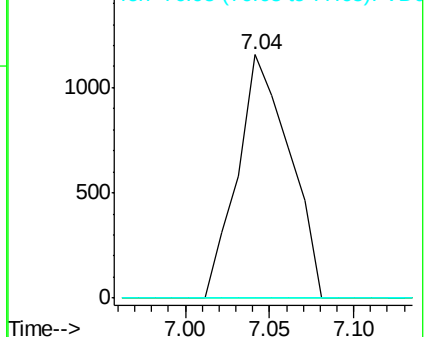
75 100

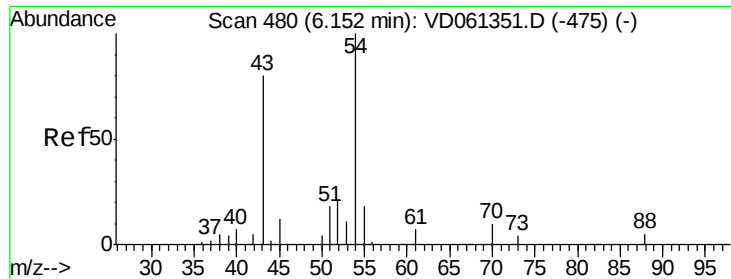
110 0.0 20.4 61.3#

77 0.0 24.9 37.3#



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





#37

Ethyl Acetate

Concen: 7.149 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.07 min

Lab File: VD061437.D

Acq: 29 Mar 2019 18:42

Instrument :

MSVOA_D

ClientSampled :

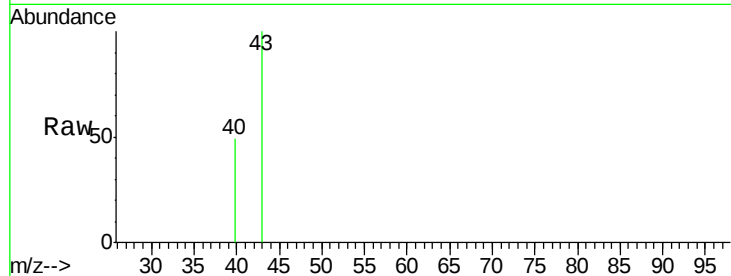
Tot Ion: 43 Resp: 1949

Ion Ratio Lower Upper

43 100

61 0.0 13.8 20.8#

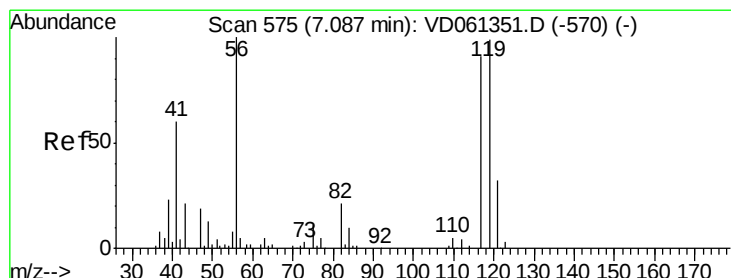
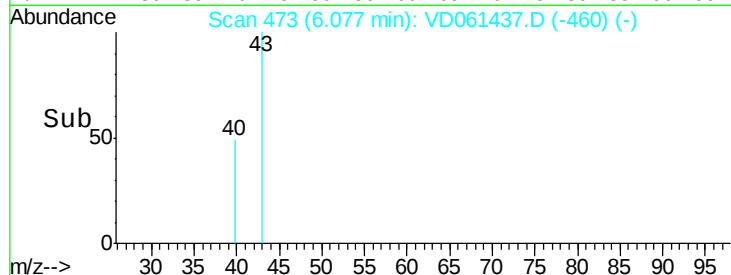
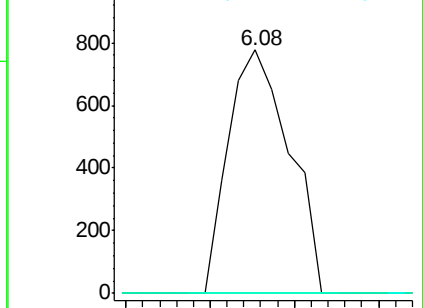
70 0.0 7.8 11.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 4.760 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD061437.D

Acq: 29 Mar 2019 18:42

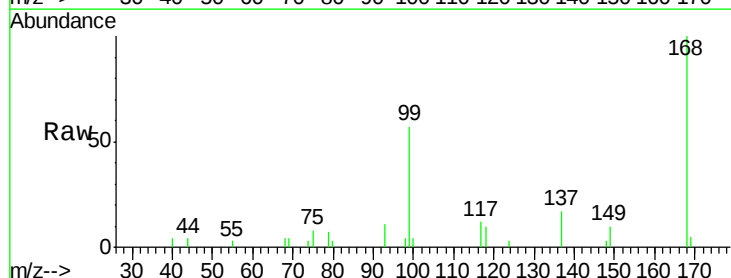
Tgt Ion: 117 Resp: 3487

Ion Ratio Lower Upper

117 100

119 0.0 80.1 120.1#

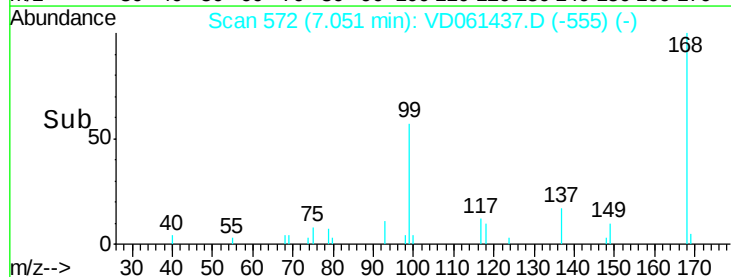
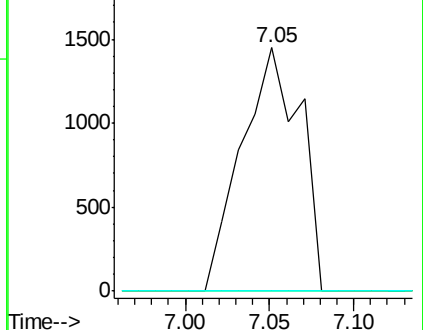
121 0.0 25.6 38.4#

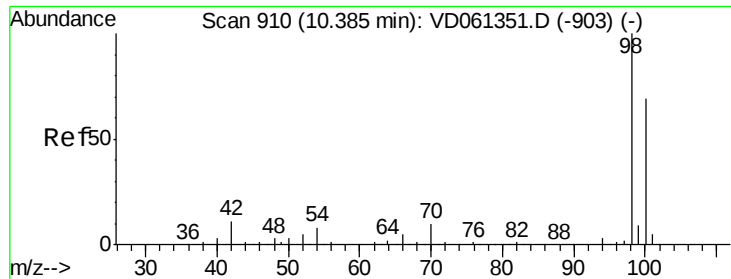


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.02 min

Lab File: VD061437.D

Acq: 29 Mar 2019 18:42

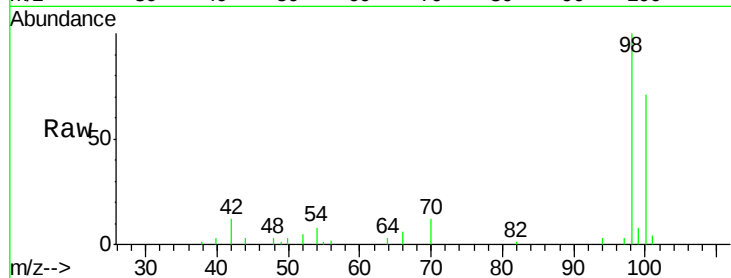
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 64774

Ion Ratio Lower Upper

98 100

100 70.7 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)

Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)

10.41

30000

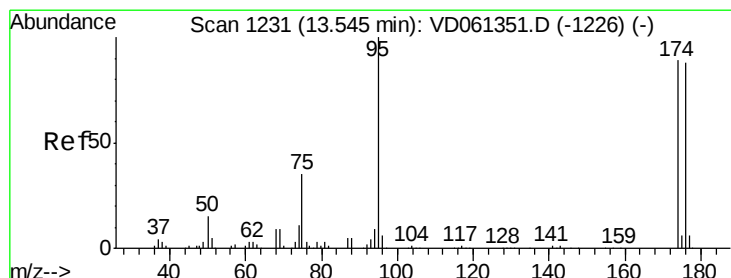
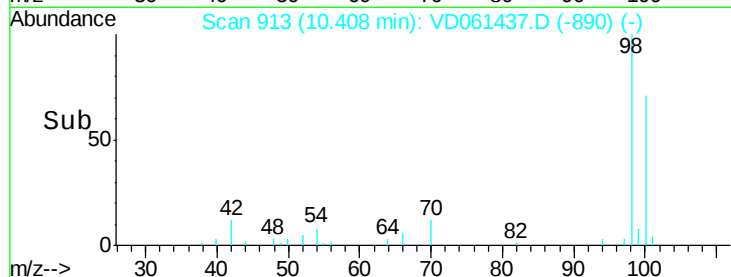
20000

10000

0

Time-->

10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061437.D

Acq: 29 Mar 2019 18:42

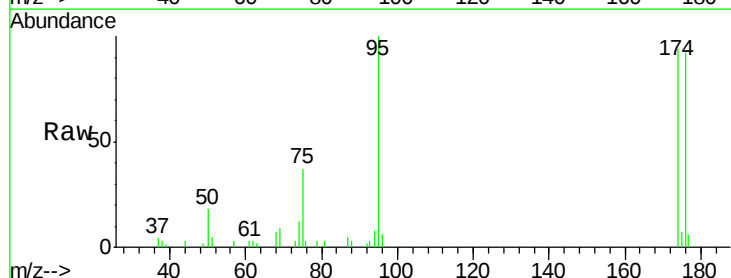
Tgt Ion: 95 Resp: 32334

Ion Ratio Lower Upper

95 100

174 93.9 0.0 178.0

176 91.8 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VD061351.D (-1226) (-)

Ion 173.90 (173.60 to 174.60): VD061351.D (-1226) (-)

Ion 175.90 (175.60 to 176.60): VD061351.D (-1226) (-)

13.56

30000

25000

20000

15000

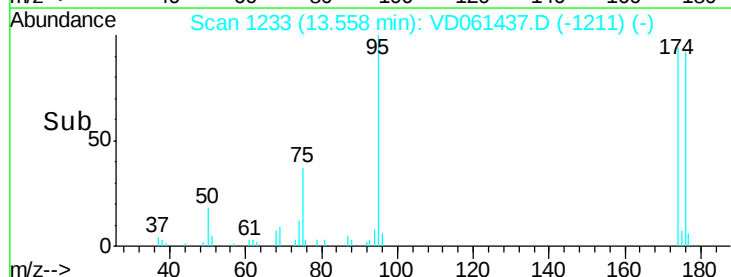
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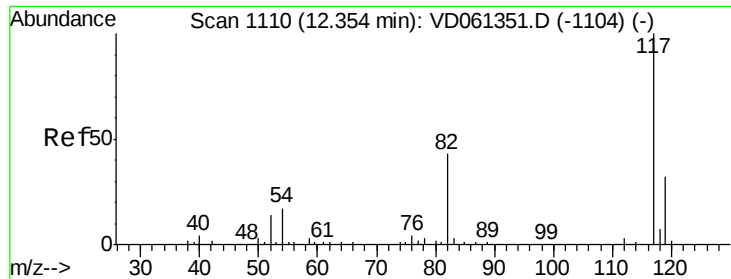
5000

0

Time-->

13.50 13.55 13.60

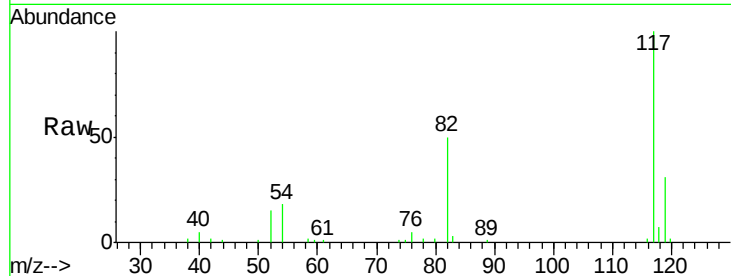




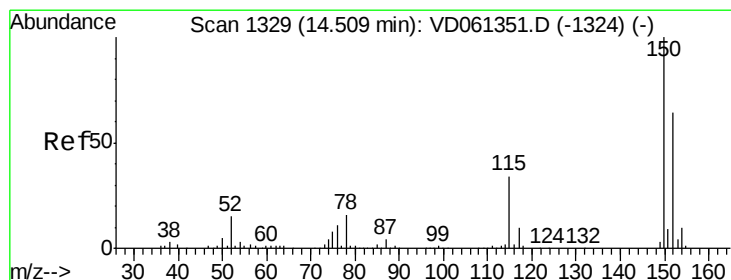
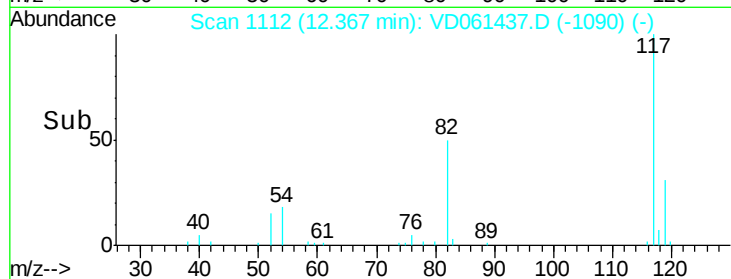
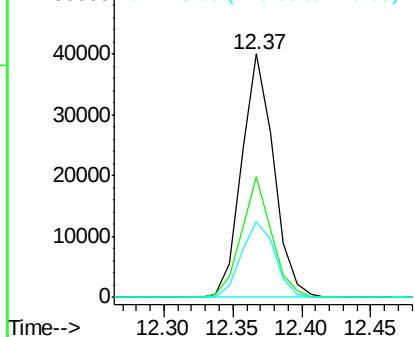
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061437.D
Acq: 29 Mar 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 64811
Ion Ratio Lower Upper
117 100
82 49.9 34.4 51.6
119 31.3 25.8 38.6

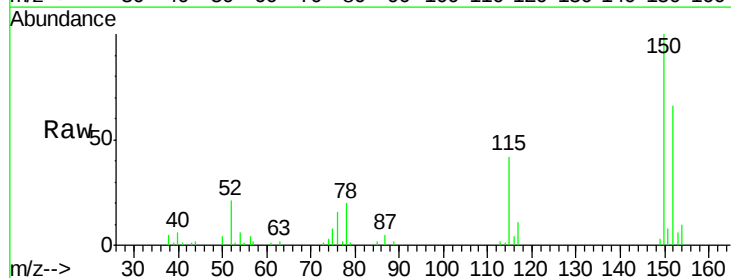


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

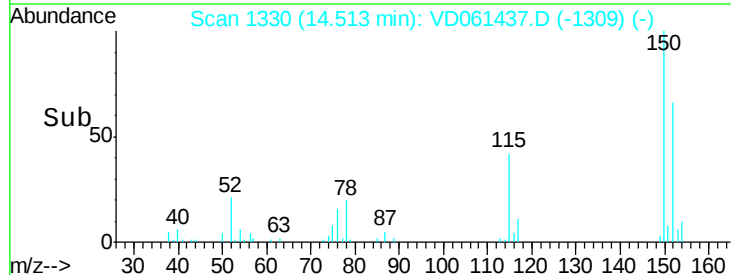
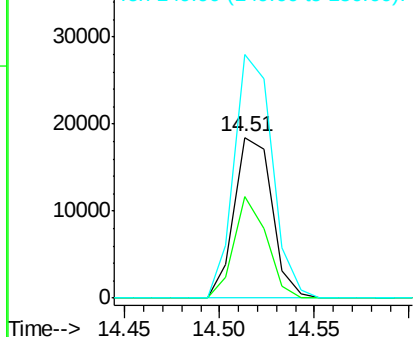


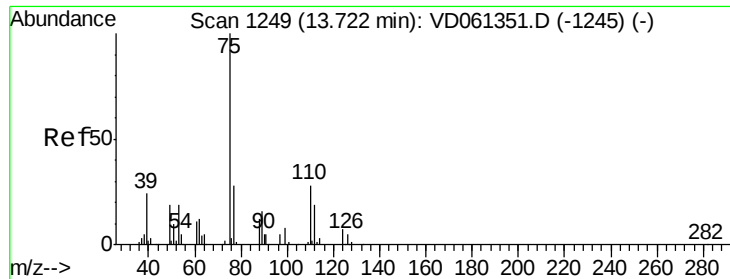
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061437.D
Acq: 29 Mar 2019 18:42

Tgt Ion:152 Resp: 25406
Ion Ratio Lower Upper
152 100
115 62.9 26.9 80.6
150 151.6 0.0 318.0



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

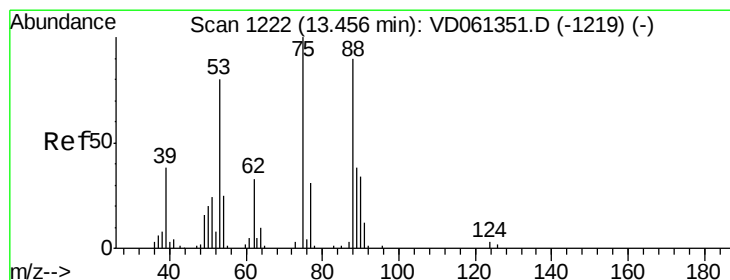
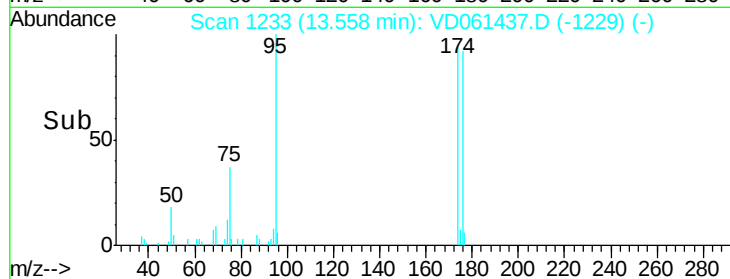
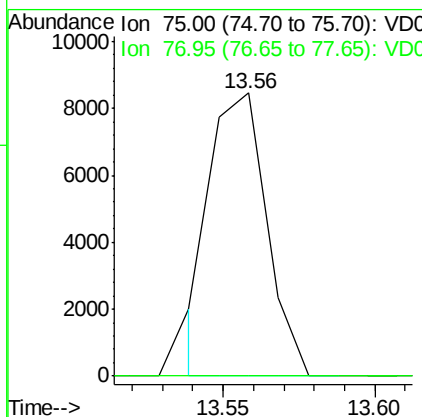
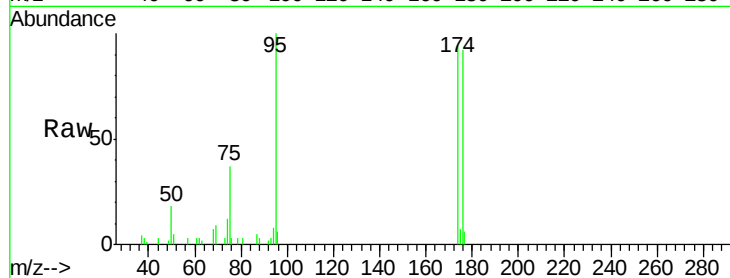




#76
 1,2,3-Trichloropropane
 Concen: 29.891 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.16 min
 Lab File: VD061437.D
 Acq: 29 Mar 2019 18:42

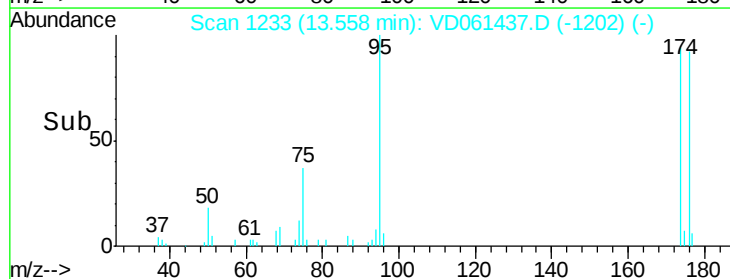
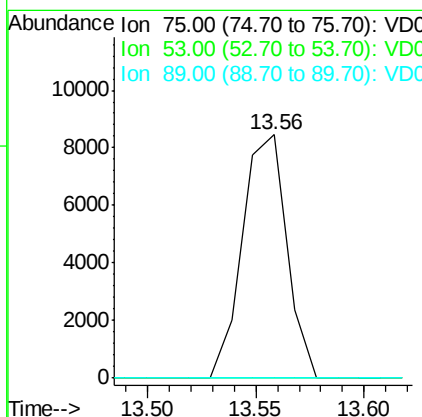
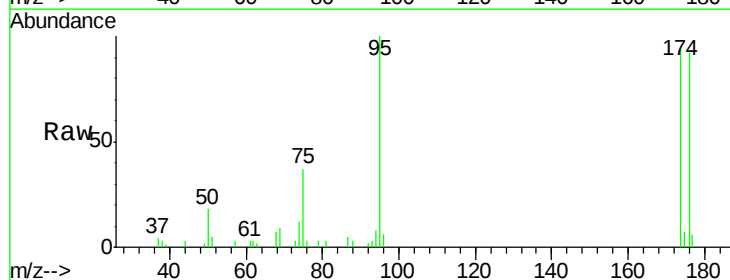
Instrument :
 MSVOA_D
 ClientSampleId :

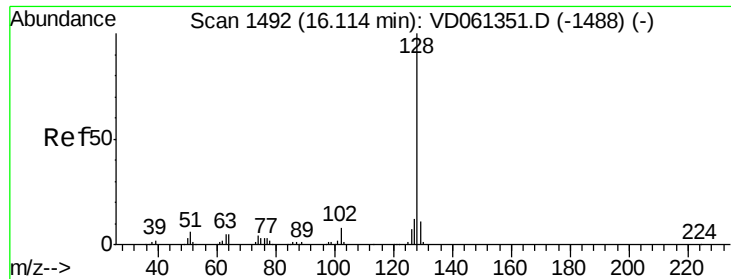
Tot Ion: 75 Resp: 10970
 Ion Ratio Lower Upper
 75 100
 77 0.0 16.2 48.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.671 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.10 min
 Lab File: VD061437.D
 Acq: 29 Mar 2019 18:42

Tgt Ion: 75 Resp: 12160
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.8#
 89 0.0 30.5 45.7#





#95
 Naphthalene
 Concen: 2.158 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: VD061437.D
 Acq: 29 Mar 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:128 Resp: 1091
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.9 14.9#
 129 0.0 8.9 13.3#

