

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100918\
 Data File : VD060149.D
 Acq On : 9 Oct 2018 13:08
 Operator : VA/AP
 Sample : J5179-05RE
 Misc : 4.98g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T1-GRAVELRE

Quant Time: Oct 09 14:43:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1561695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2120000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.26	117	1648943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	793729	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	713061	60.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.48%	
35) Dibromofluoromethane	6.29	113	925231	57.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.94%	
50) Toluene-d8	9.43	98	2508512	54.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.28%	
62) 4-Bromofluorobenzene	12.41	95	879213	51.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.30%	

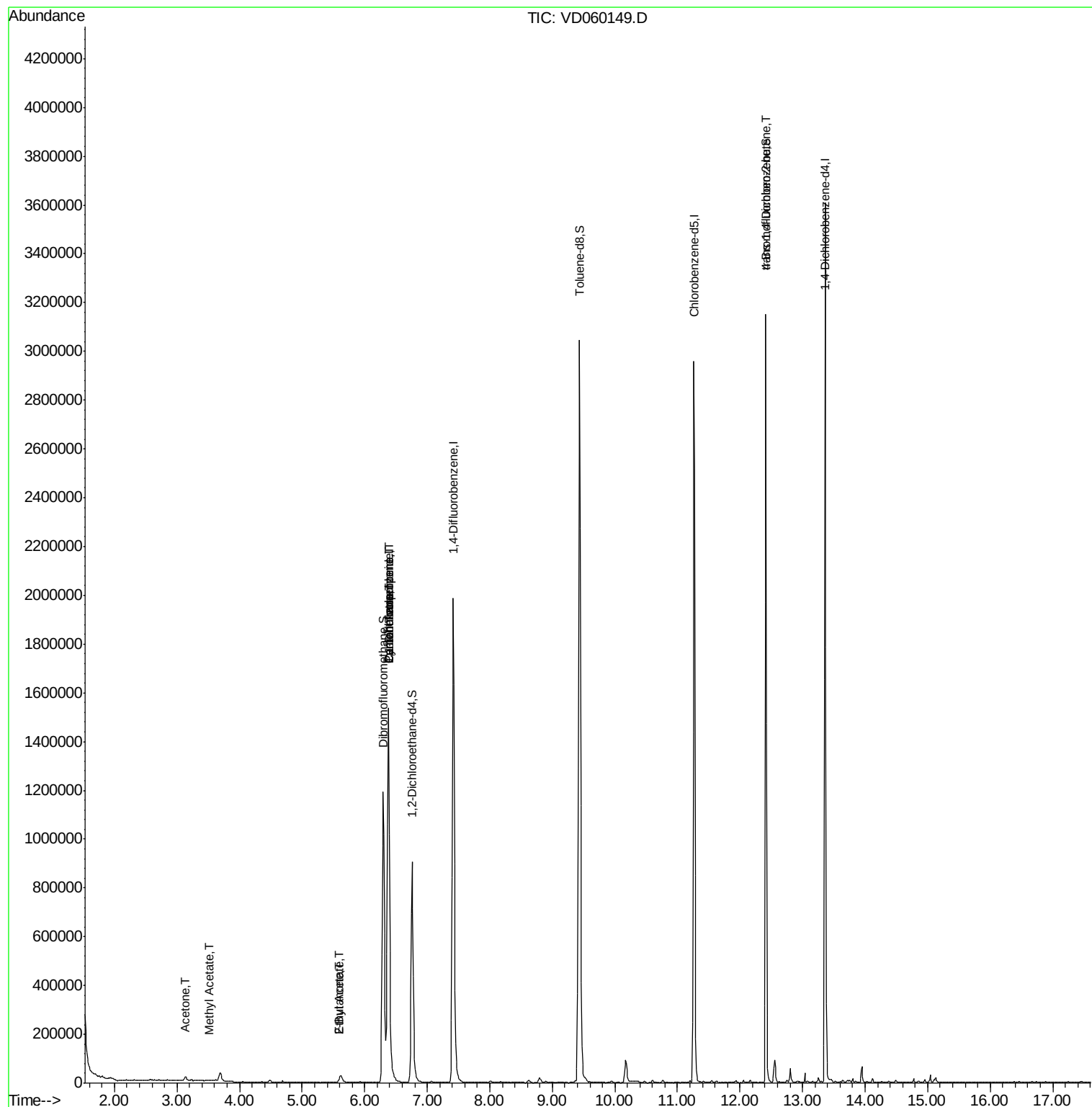
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.13	43	27446	12.78	ug/l #	84
18) Methyl Acetate	3.52	43	6568	1.42	ug/l #	63
20) Methylene Chloride	3.69	84	21474	Below Cal		98
25) 2-Butanone	5.59	43	16259	3.03	ug/l #	91
31) Cyclohexane	6.37	56	28540	1.11	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	109249	5.39	ug/l #	46
37) Ethyl Acetate	5.59	43	16259	1.21	ug/l #	71
38) Carbon Tetrachloride	6.38	117	118232	6.43	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.41	75	347174	108.09	ug/l #	13

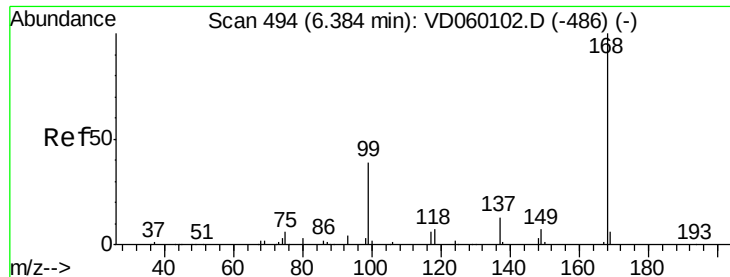
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD100918\
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Quant Time: Oct 09 14:43:51 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.00 min

Lab File: VD060149.D

Acq: 9 Oct 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

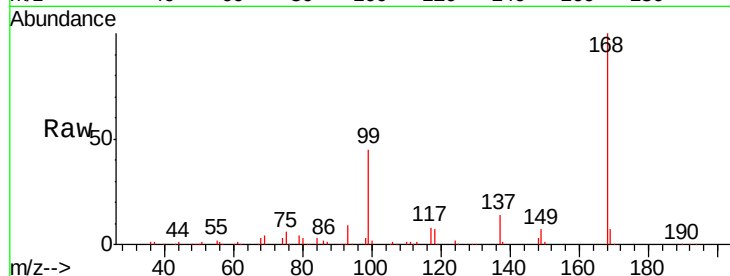
T1-GRAVELRE

Tgt Ion:168 Resp: 1561695

Ion Ratio Lower Upper

168 100

99 44.8 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.38

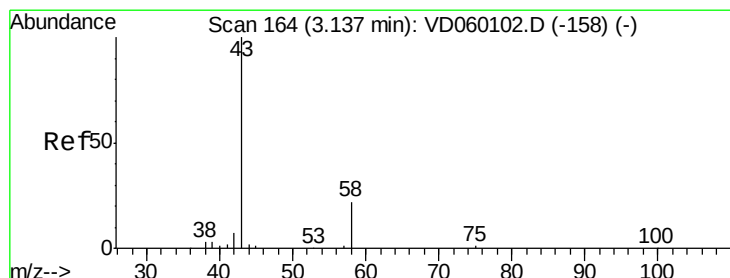
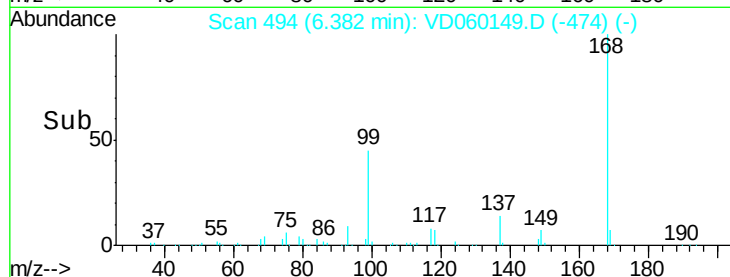
600000

400000

200000

0

Time-->



#16

Acetone

Concen: 12.78 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD060149.D

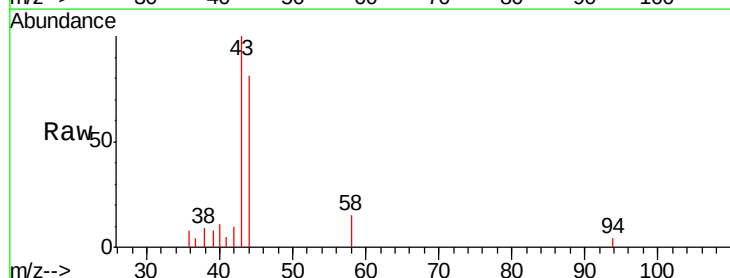
Acq: 9 Oct 2018 13:08

Tgt Ion: 43 Resp: 27446

Ion Ratio Lower Upper

43 100

58 14.5 17.7 26.5#



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 57.95 (57.65 to 58.65): V

3.13

10000

8000

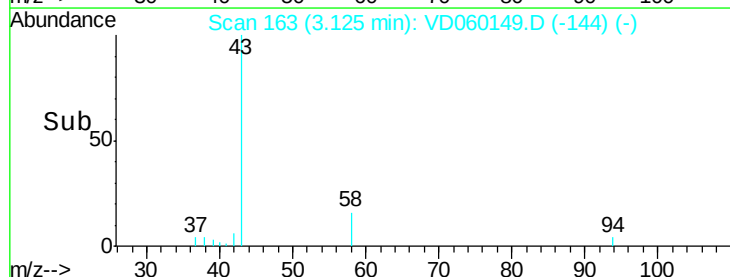
6000

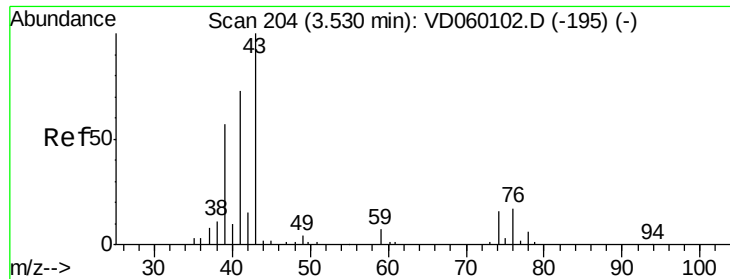
4000

2000

0

Time-->

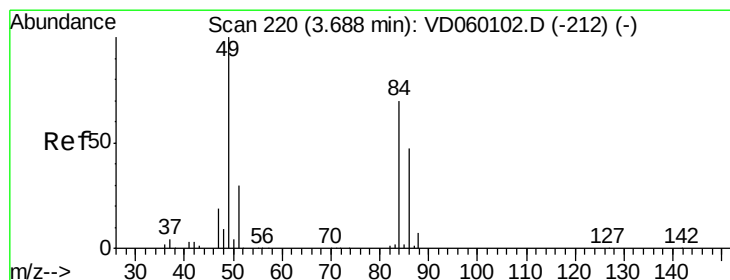
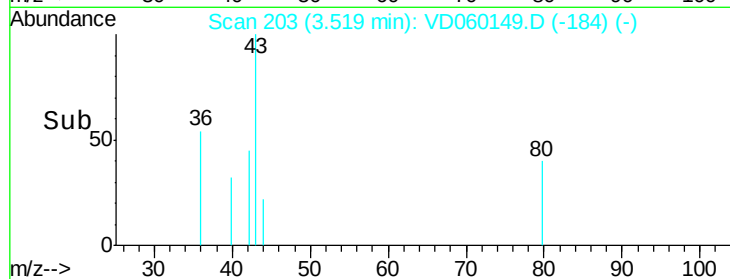
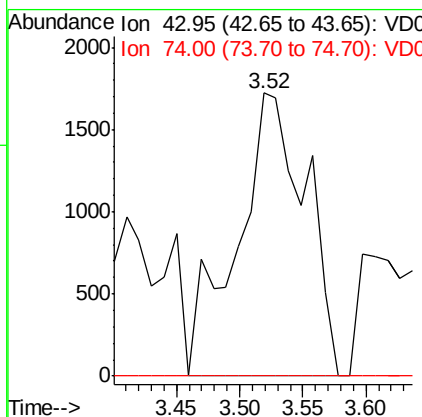
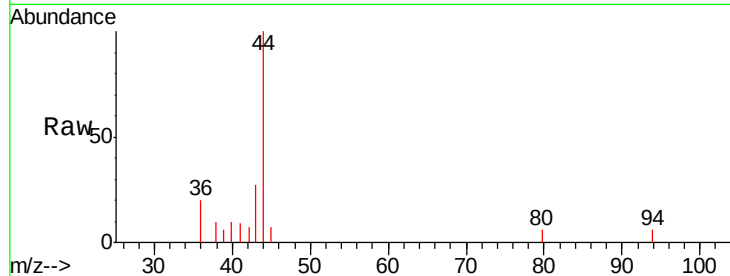




#18
Methyl Acetate
Concen: 1.42 ug/l
RT: 3.52 min Scan# 203
Delta R.T. -0.01 min
Lab File: VD060149.D
Acq: 9 Oct 2018 13:08

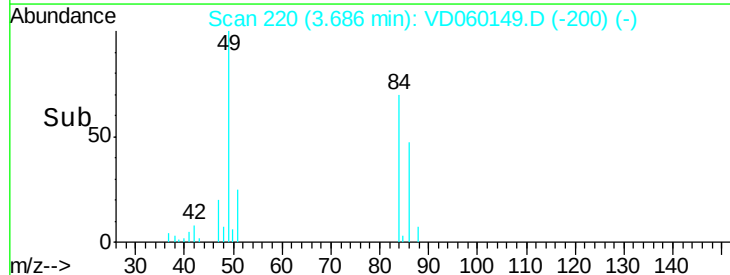
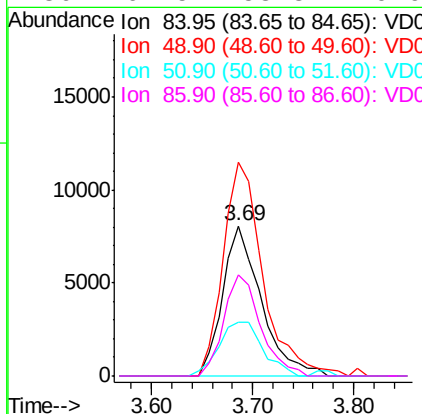
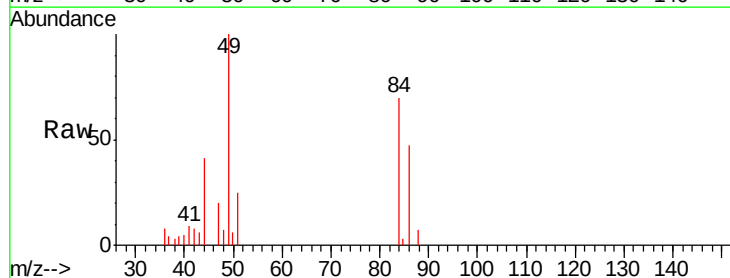
Instrument :
MSVOA_D
ClientSampleId :
T1-GRAVELRE

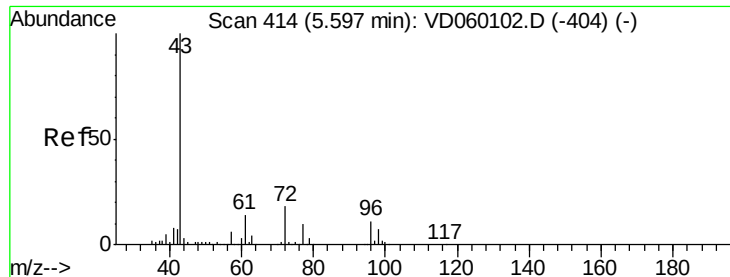
Tgt Ion: 43 Resp: 6568
Ion Ratio Lower Upper
43 100
74 0.0 12.6 19.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.69 min Scan# 220
Delta R.T. -0.00 min
Lab File: VD060149.D
Acq: 9 Oct 2018 13:08

Tgt Ion: 84 Resp: 21474
Ion Ratio Lower Upper
84 100
49 142.2 114.6 172.0
51 36.1 33.8 50.8
86 67.5 53.3 79.9





#25

2-Butanone

Concen: 3.03 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060149.D

Acq: 9 Oct 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

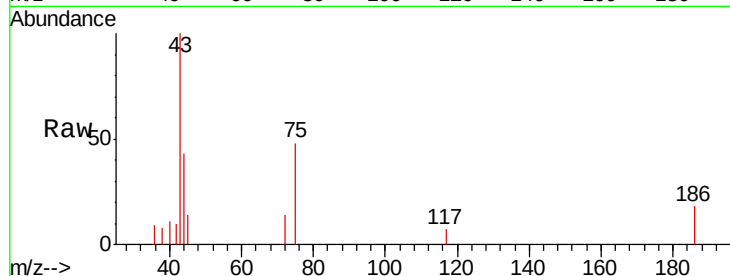
T1-GRAVELRE

Tgt Ion: 43 Resp: 16259

Ion Ratio Lower Upper

43 100

72 13.9 14.5 21.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

5.59

4000

3000

2000

1000

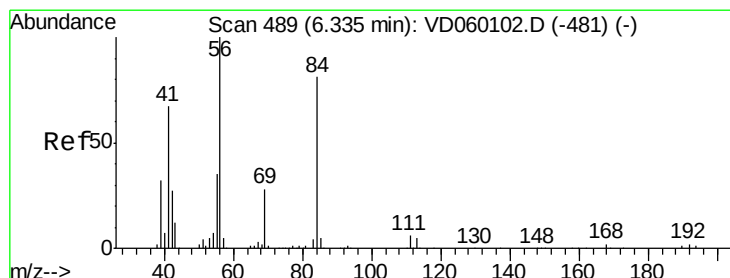
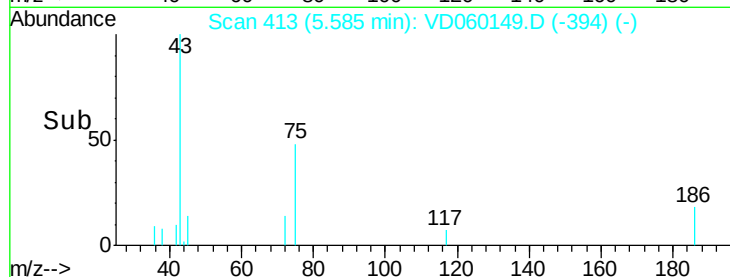
0

5.50

5.60

5.70

Time-->



#31

Cyclohexane

Concen: 1.11 ug/l

RT: 6.37 min Scan# 493

Delta R.T. 0.04 min

Lab File: VD060149.D

Acq: 9 Oct 2018 13:08

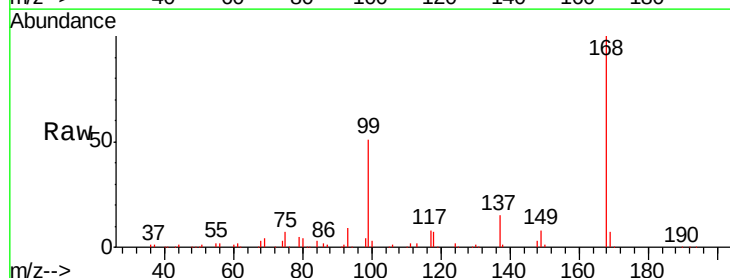
Tgt Ion: 56 Resp: 28540

Ion Ratio Lower Upper

56 100

69 211.1 22.8 34.2#

84 166.8 64.9 97.3#



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

30000

25000

20000

15000

10000

5000

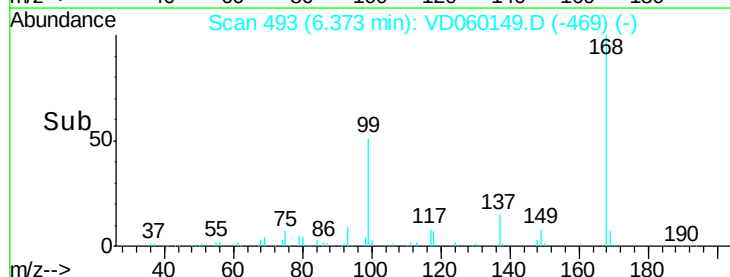
0

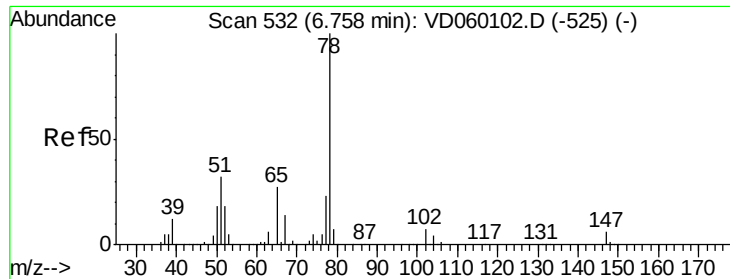
6.30

6.40

6.50

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.00 min

Lab File: VD060149.D

Acq: 9 Oct 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

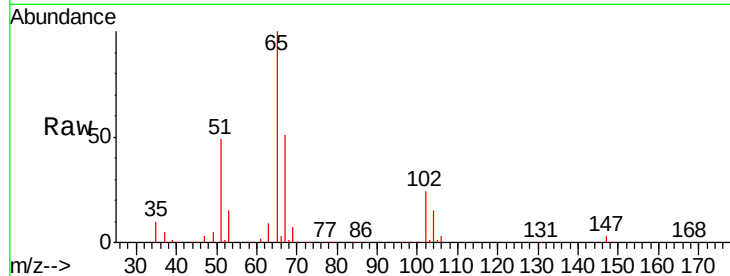
T1-GRAVELRE

Tgt Ion: 65 Resp: 713061

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.76

300000

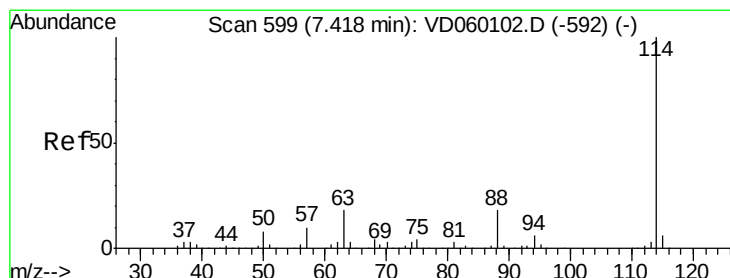
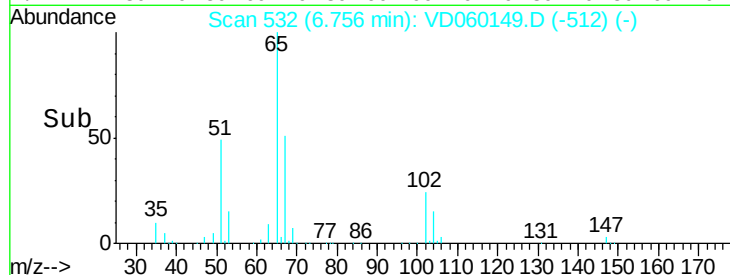
200000

100000

0

Time-->

6.60 6.70 6.80 6.90



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.00 min

Lab File: VD060149.D

Acq: 9 Oct 2018 13:08

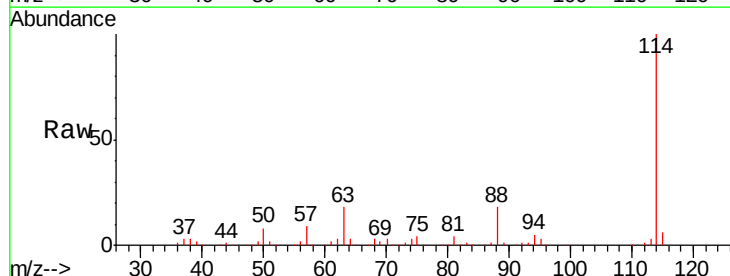
Tgt Ion: 114 Resp: 2120000

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.0

88 17.7 0.0 36.2



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

7.42

1200000

1000000

800000

600000

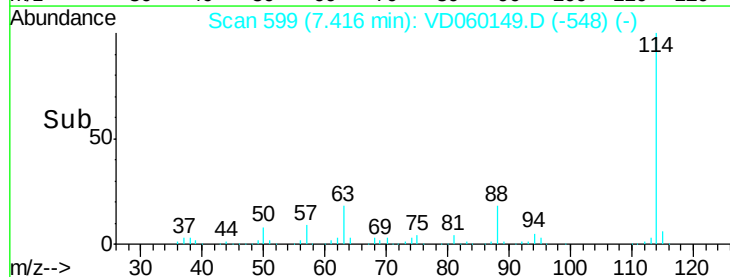
400000

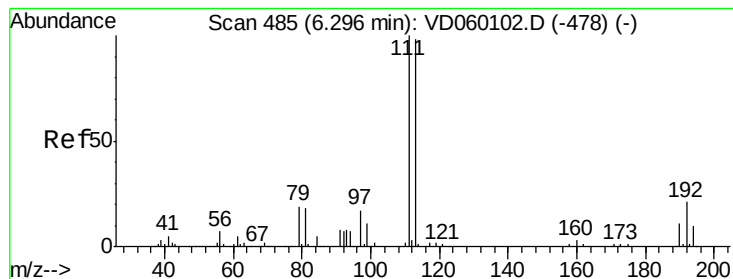
200000

0

Time-->

7.30 7.40 7.50 7.60





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.29 min Scan# 485

Delta R.T. -0.00 min

Lab File: VD060149.D

Acq: 9 Oct 2018 13:08

Instrument :
MSVOA_D
ClientSampleId :
T1-GRAVELRE

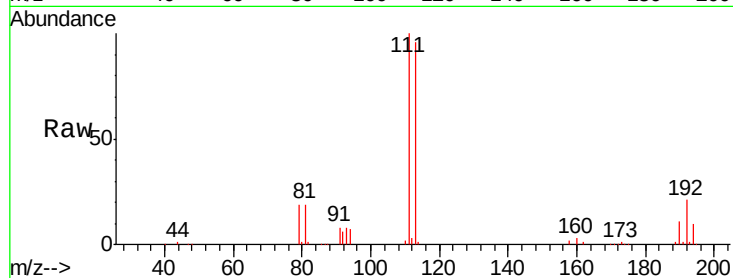
Tgt Ion: 113 Resp: 925231

Ion Ratio Lower Upper

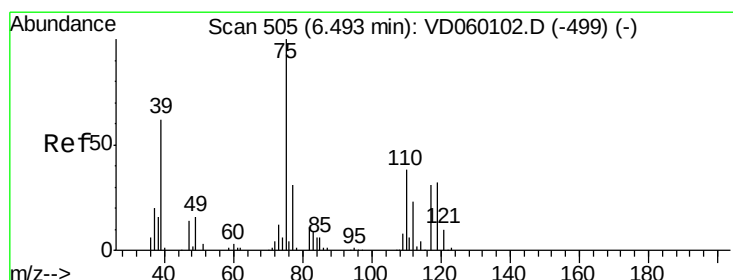
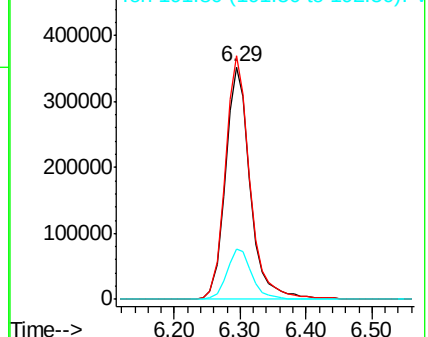
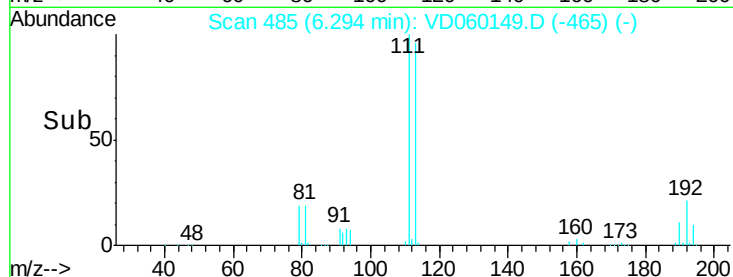
113 100

111 104.7 81.5 122.3

192 21.7 17.4 26.0



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: 5.39 ug/l

RT: 6.37 min Scan# 493

Delta R.T. -0.12 min

Lab File: VD060149.D

Acq: 9 Oct 2018 13:08

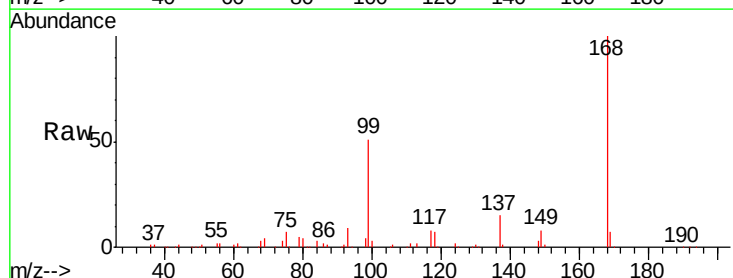
Tgt Ion: 75 Resp: 109249

Ion Ratio Lower Upper

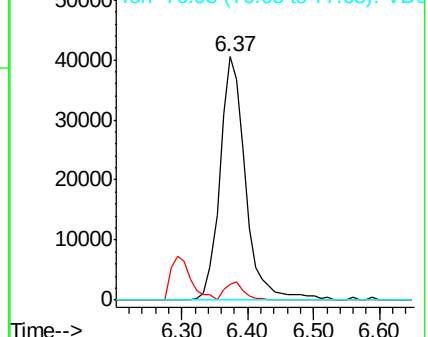
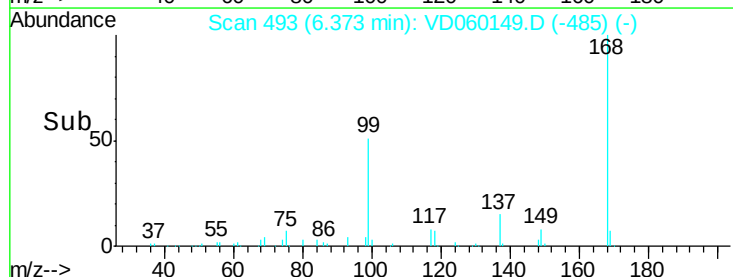
75 100

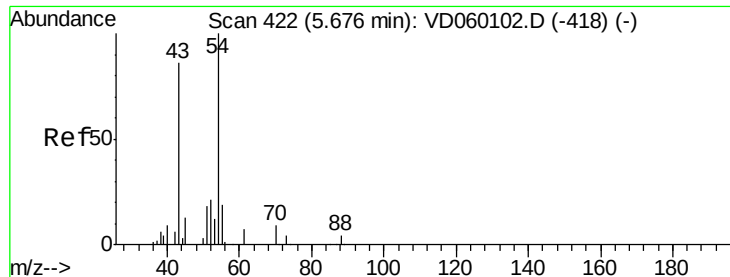
110 6.7 19.0 57.0#

77 0.0 24.9 37.3#



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





#37

Ethyl Acetate

Concen: 1.21 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.09 min

Lab File: VD060149.D

Acq: 9 Oct 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

T1-GRAVELRE

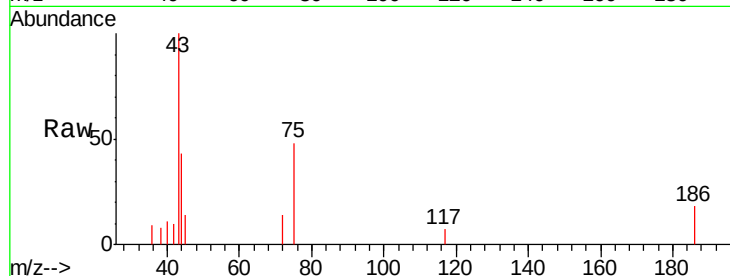
Tgt Ion: 43 Resp: 16259

Ion Ratio Lower Upper

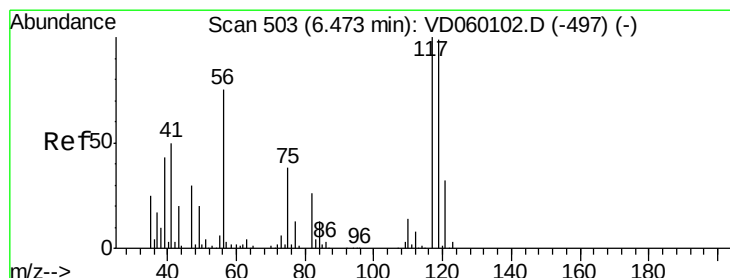
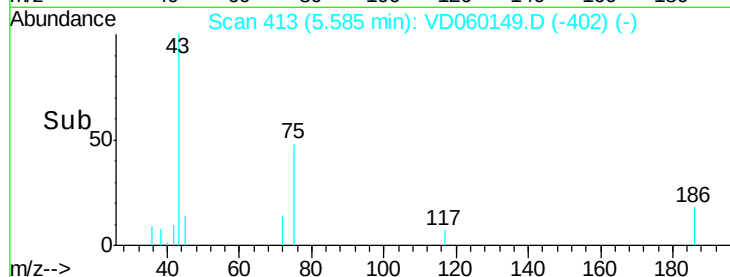
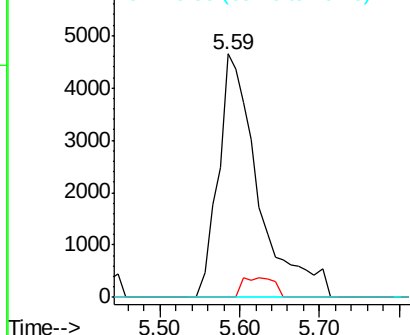
43 100

61 0.0 10.5 15.7#

70 0.0 6.3 9.5#



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: 6.43 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.09 min

Lab File: VD060149.D

Acq: 9 Oct 2018 13:08

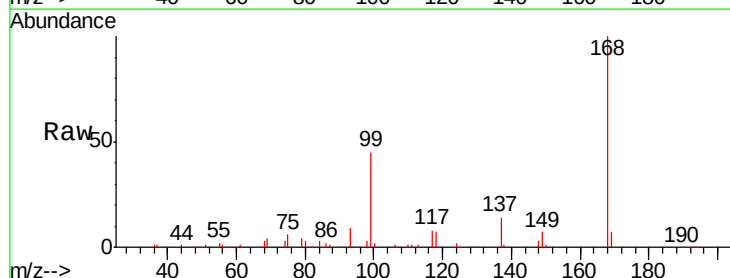
Tgt Ion: 117 Resp: 118232

Ion Ratio Lower Upper

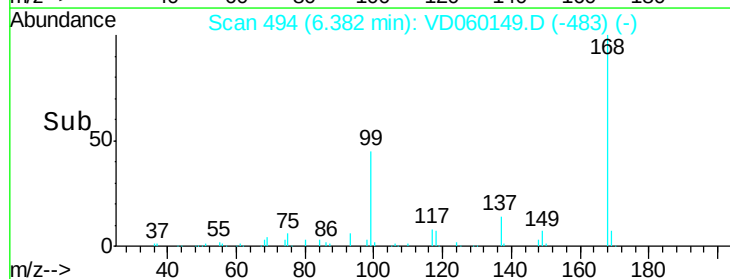
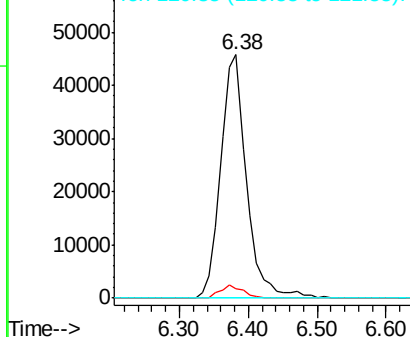
117 100

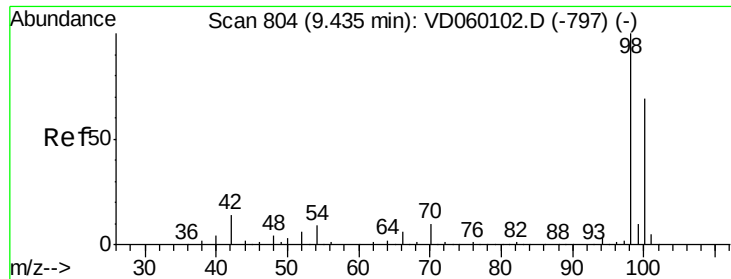
119 4.1 77.8 116.6#

121 0.0 24.8 37.2#



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

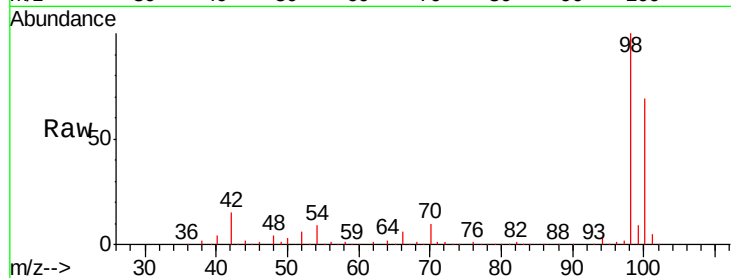




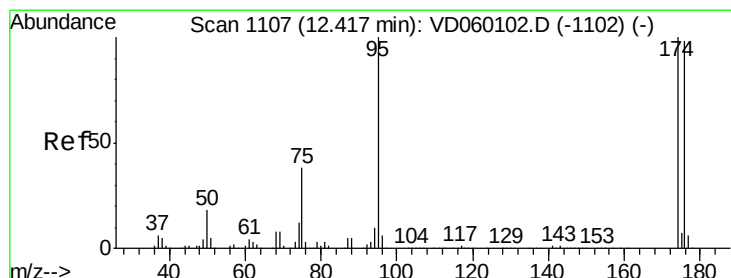
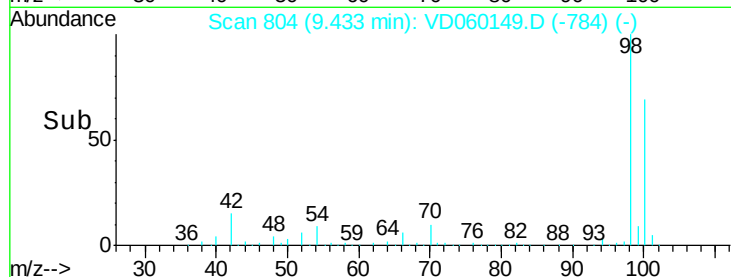
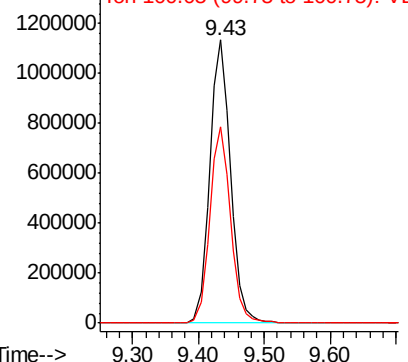
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.00 min
Lab File: VD060149.D
Acq: 9 Oct 2018 13:08

Instrument :
MSVOA_D
ClientSampleId :
T1-GRAVELRE

Tgt Ion: 98 Resp: 2508512
Ion Ratio Lower Upper
98 100
100 69.2 55.4 83.0

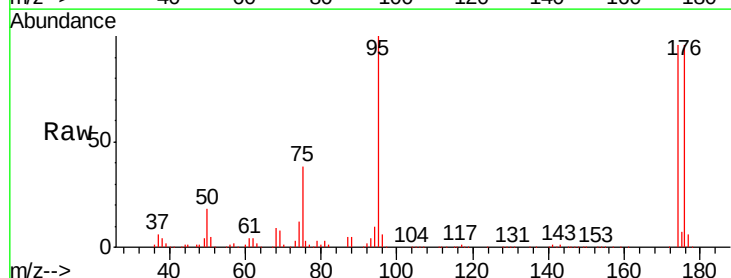


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

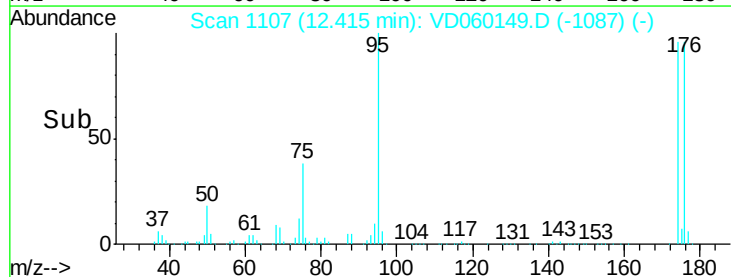
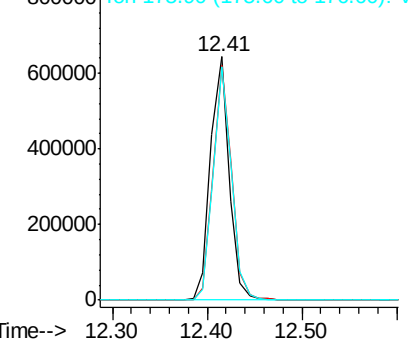


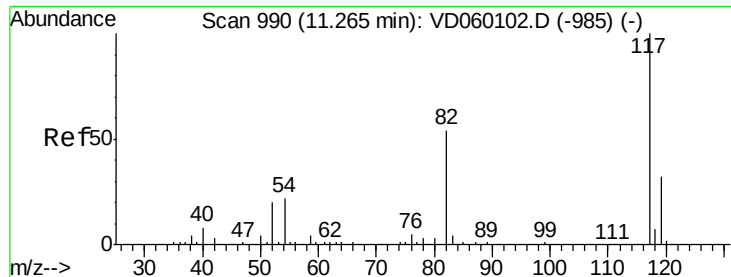
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.41 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD060149.D
Acq: 9 Oct 2018 13:08

Tgt Ion: 95 Resp: 879213
Ion Ratio Lower Upper
95 100
174 96.3 0.0 200.2
176 95.6 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.26 min Scan# 990

Delta R.T. -0.00 min

Lab File: VD060149.D

Acq: 9 Oct 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

T1-GRAVELRE

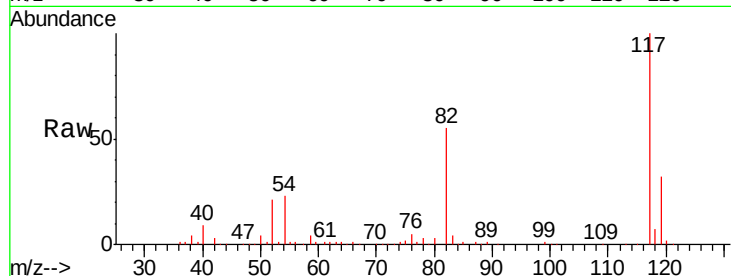
Tgt Ion:117 Resp: 1648943

Ion Ratio Lower Upper

117 100

82 55.3 43.4 65.2

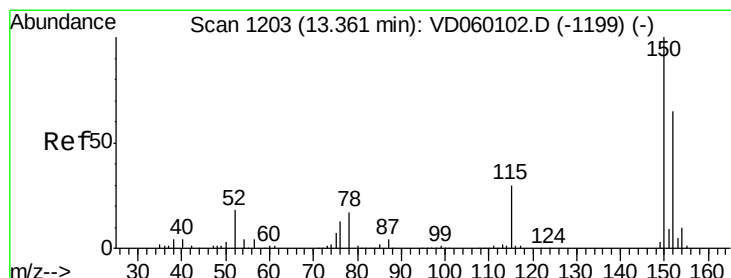
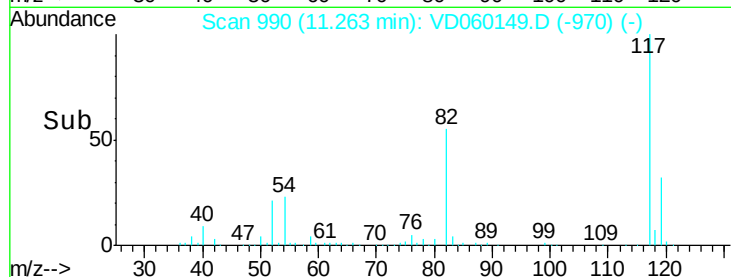
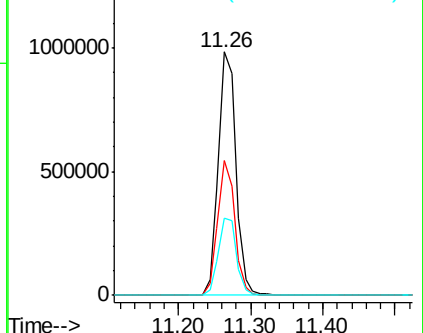
119 31.8 26.0 39.0



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: 50.00 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD060149.D

Acq: 9 Oct 2018 13:08

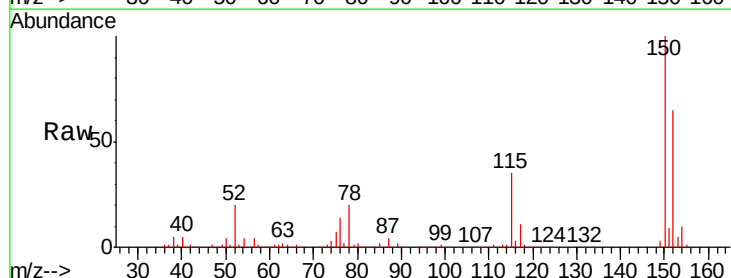
Tgt Ion:152 Resp: 793729

Ion Ratio Lower Upper

152 100

115 53.4 27.1 81.2

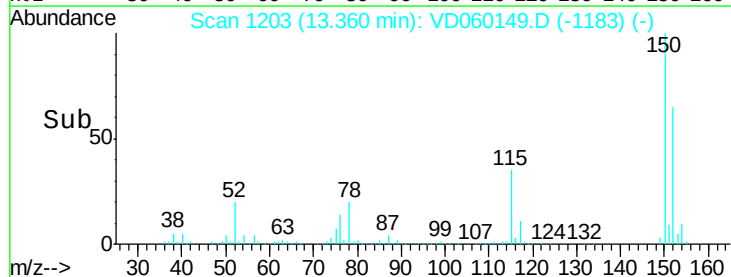
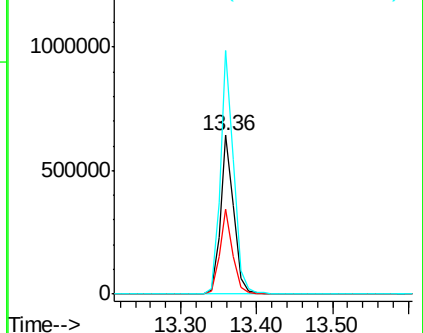
150 153.3 0.0 311.8

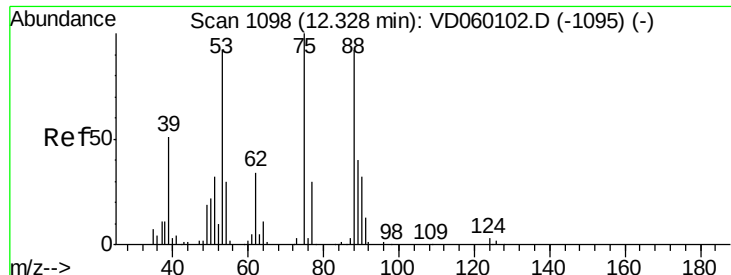


Abundance Ion 151.90 (151.60 to 152.60): V

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: 108.09 ug/l

RT: 12.41 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060149.D

Acq: 9 Oct 2018 13:08

Instrument :

MSVOA_D

ClientSampleId :

T1-GRAVELRE

Tgt Ion: 75 Resp: 347174

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#

