

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041719\
 Data File : VD061852.D
 Acq On : 17 Apr 2019 14:59
 Operator : VA/AP
 Sample : K2390-05
 Misc : 8.23g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 200050

Quant Time: Apr 17 15:22:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	492261	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	8.20	114	711258	50.00	ug/l	-0.06
63) Chlorobenzene-d5	12.36	117	616318	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	14.51	152	233922	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	177154	42.94	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	85.88%	
35) Dibromofluoromethane	6.91	113	291713	54.29	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	108.58%	
50) Toluene-d8	10.40	98	630947	49.55	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	13.55	95	242055	46.90	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	93.80%	

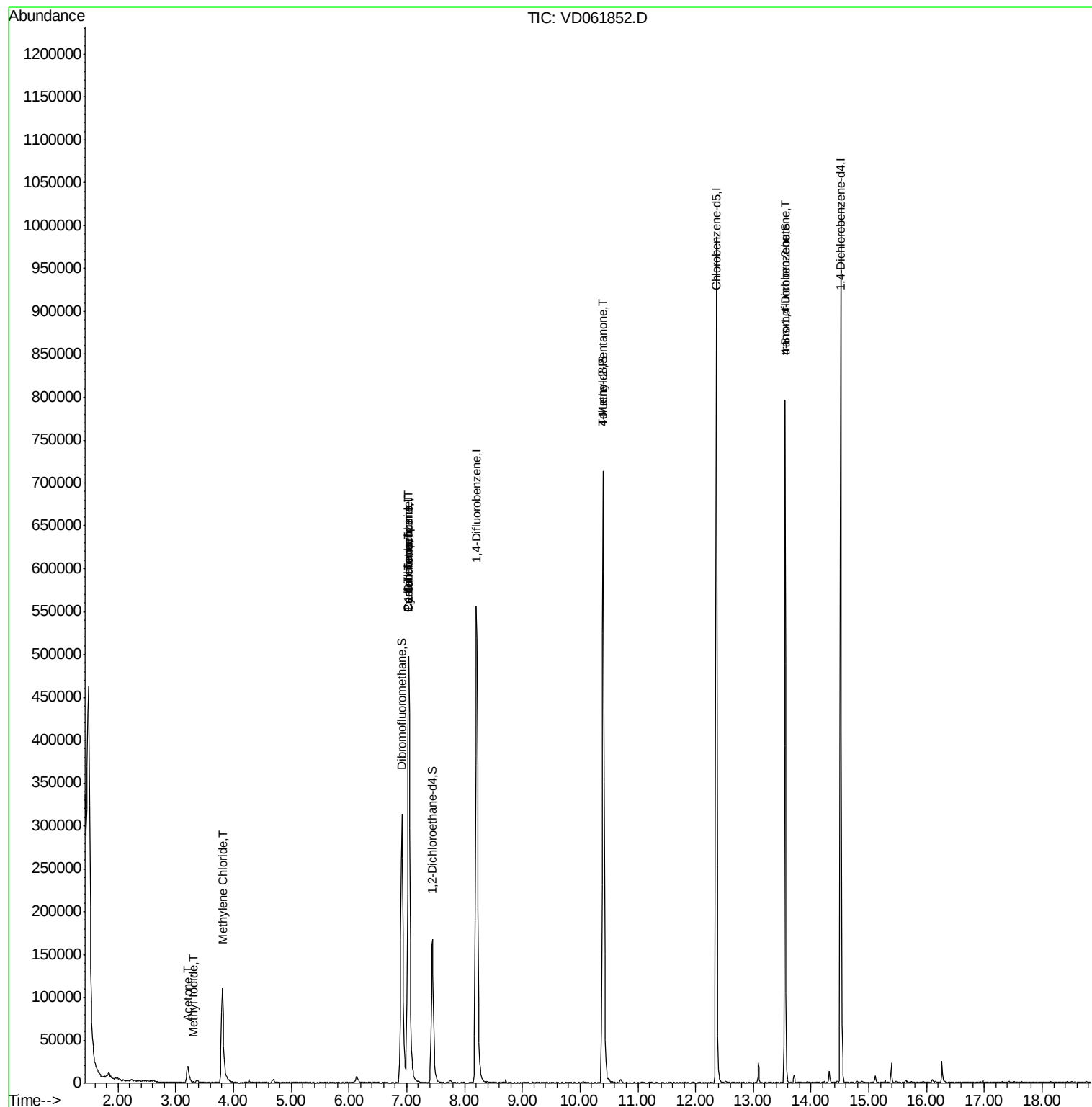
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	230	Below Cal	#	12
10) Methyl Iodide	3.30	142	184	3.534	ug/l #	37
16) Acetone	3.21	43	41026	40.348	ug/l	94
20) Methylene Chloride	3.81	84	82792	12.985	ug/l	97
31) Cyclohexane	7.03	56	8472	1.356	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	36666	6.309	ug/l #	46
38) Carbon Tetrachloride	7.03	117	47846	6.519	ug/l #	18
51) 4-Methyl-2-Pentanone	10.40	43	2455	1.147	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	90557	88.226	ug/l #	16

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

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Quant Time: Apr 17 15:22:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD061852.D

Acq: 17 Apr 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

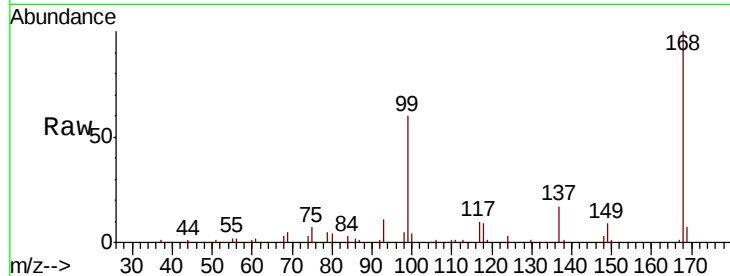
200050

Tgt Ion:168 Resp: 492261

Ion Ratio Lower Upper

168 100

99 59.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

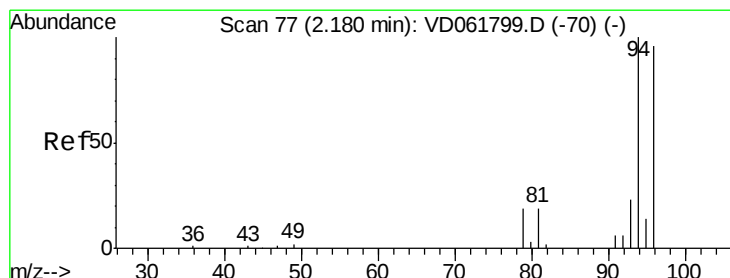
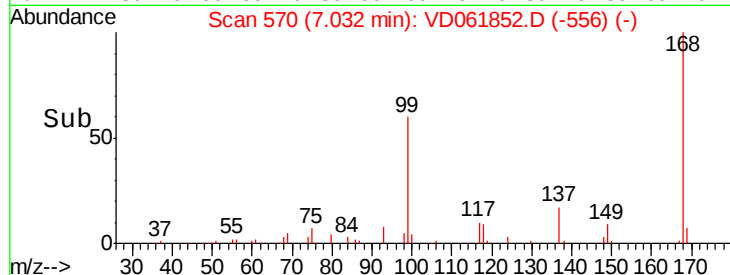
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.18 min Scan# 77

Delta R.T. -0.00 min

Lab File: VD061852.D

Acq: 17 Apr 2019 14:59

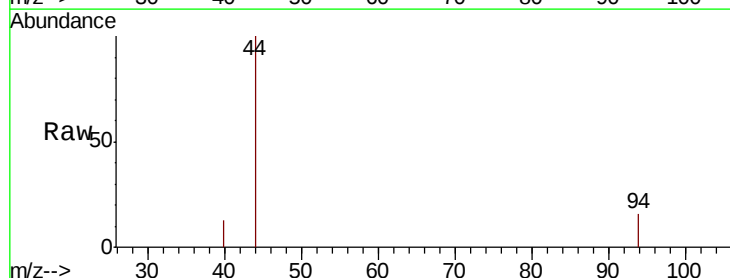
Tgt Ion: 94 Resp: 230

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

2.18

400

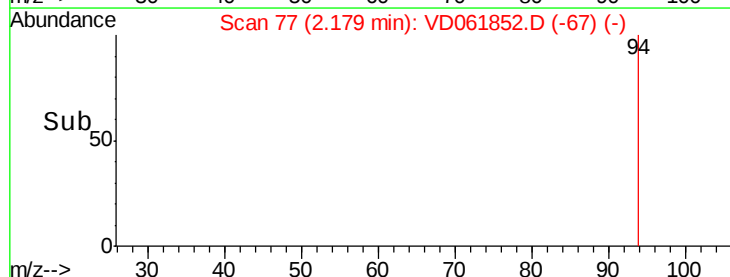
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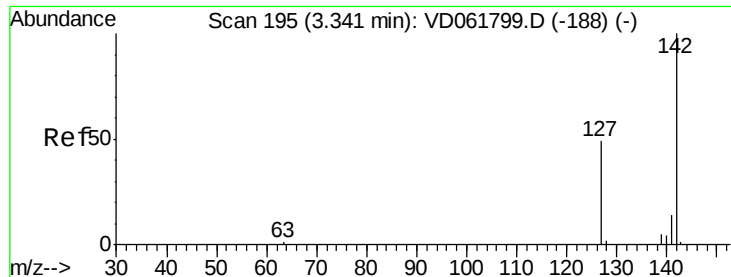
200

100

0

Time-->

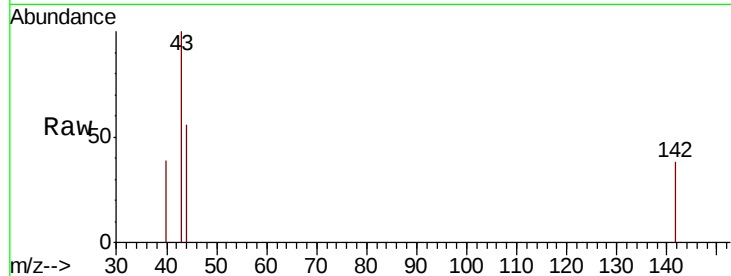




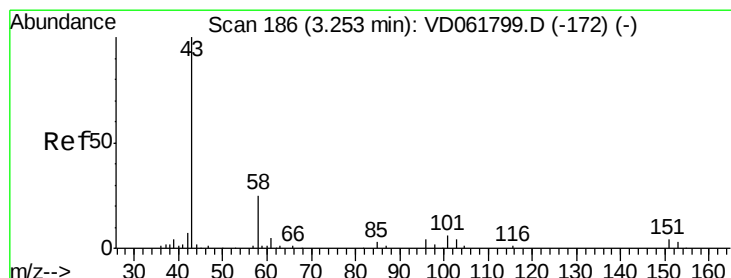
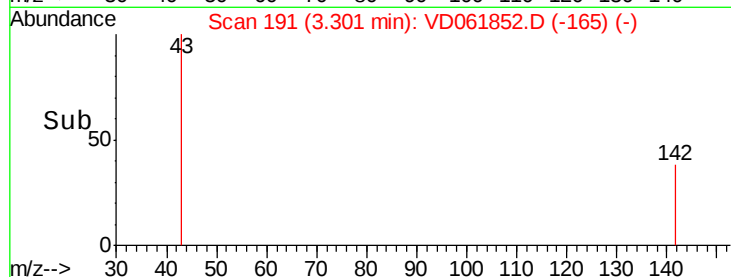
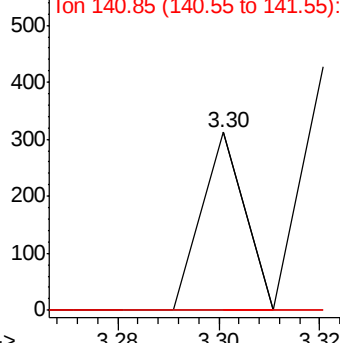
#10
Methyl Iodide
Concen: 3.534 ug/l
RT: 3.30 min Scan# 191
Delta R.T. -0.04 min
Lab File: VD061852.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_D
ClientSampleId :
200050

Tgt Ion: 142 Resp: 184
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#

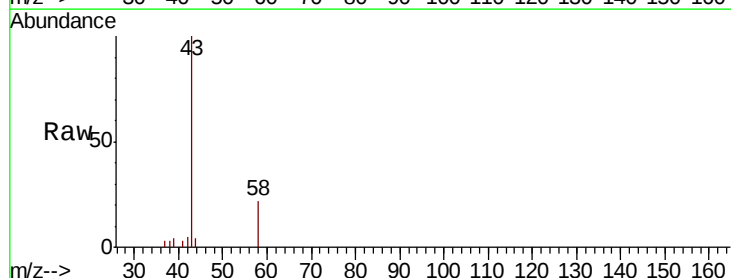


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

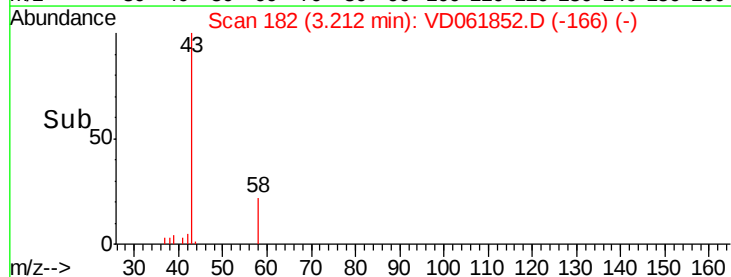
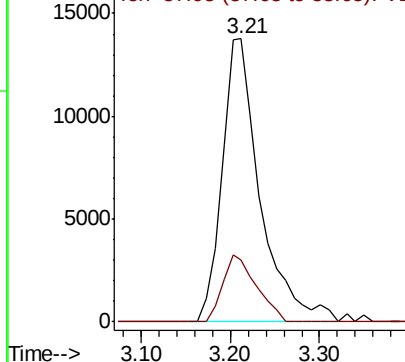


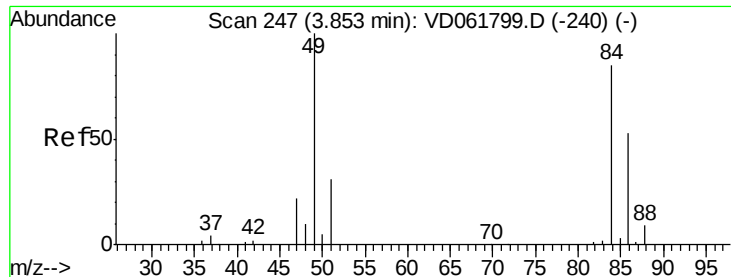
#16
Acetone
Concen: 40.348 ug/l
RT: 3.21 min Scan# 182
Delta R.T. -0.04 min
Lab File: VD061852.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 43 Resp: 41026
Ion Ratio Lower Upper
43 100
58 22.0 19.9 29.9



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

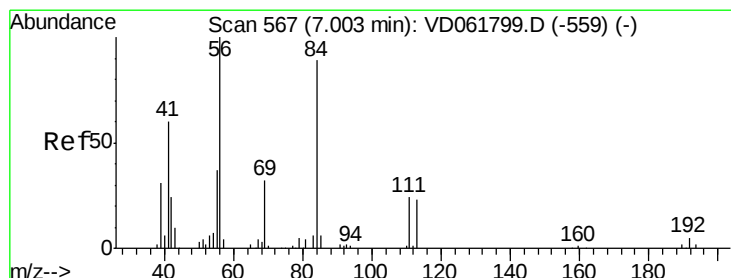
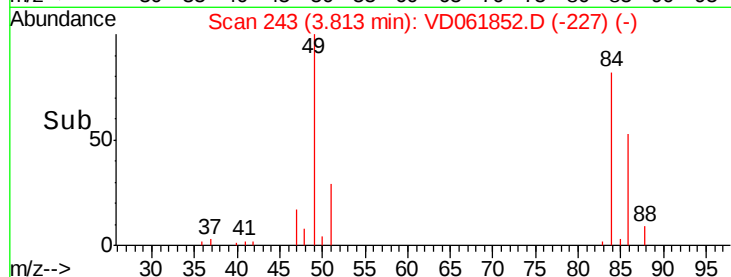
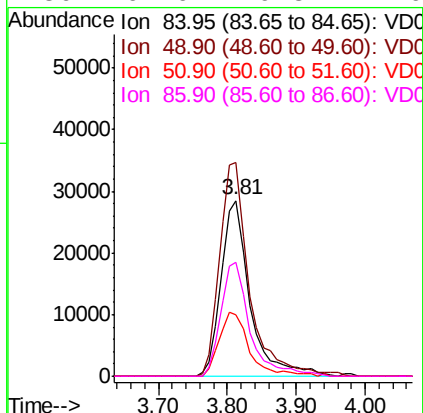
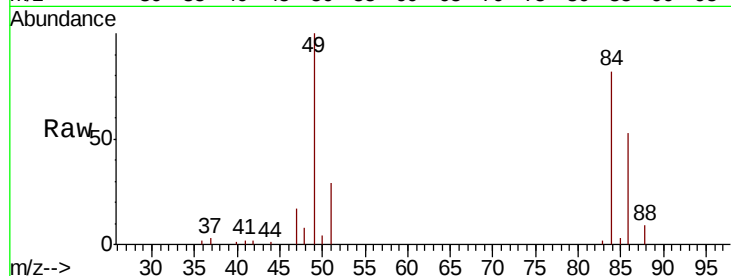




#20
Methylene Chloride
Concen: 12.985 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.04 min
Lab File: VD061852.D
Acq: 17 Apr 2019 14:59

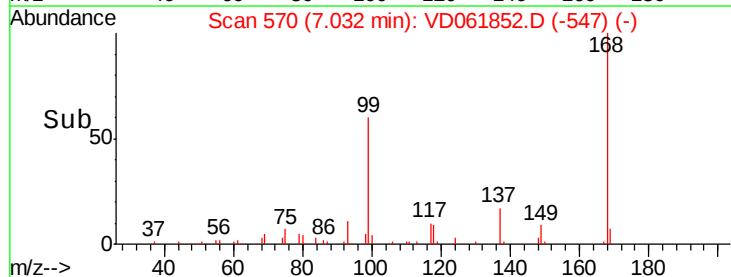
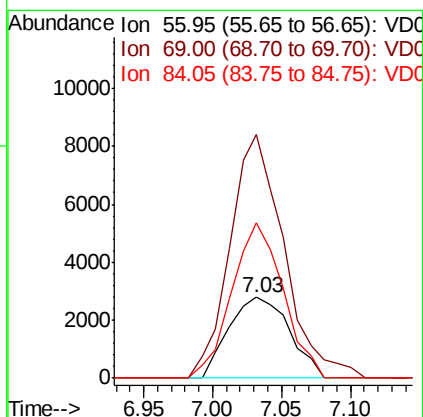
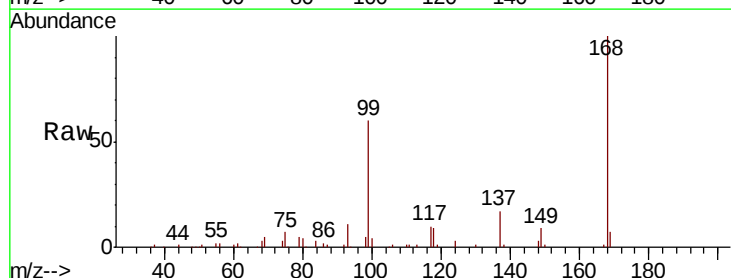
Instrument :
MSVOA_D
ClientSampleId :
200050

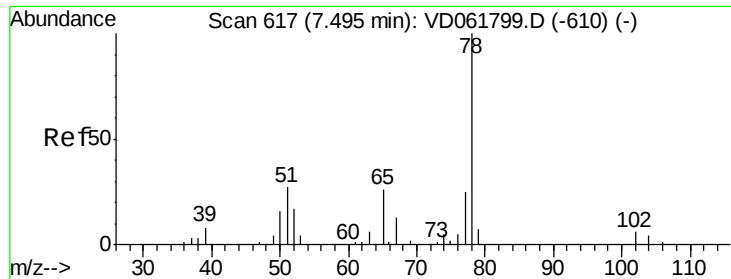
Tgt Ion: 84 Resp: 82792
Ion Ratio Lower Upper
84 100
49 121.6 94.0 141.0
51 35.3 29.0 43.4
86 64.6 49.8 74.6



#31
Cyclohexane
Concen: 1.356 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.03 min
Lab File: VD061852.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 56 Resp: 8472
Ion Ratio Lower Upper
56 100
69 301.6 25.8 38.6#
84 191.9 72.2 108.4#

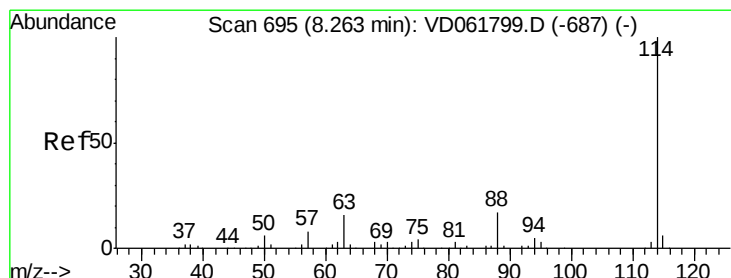
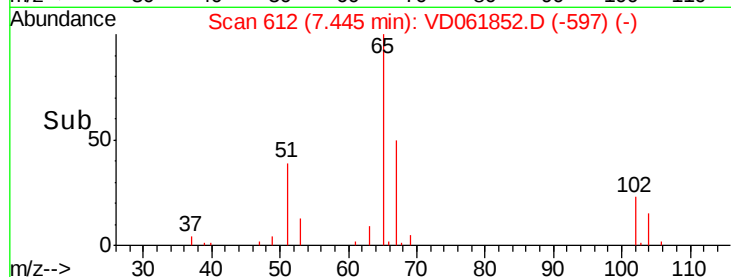
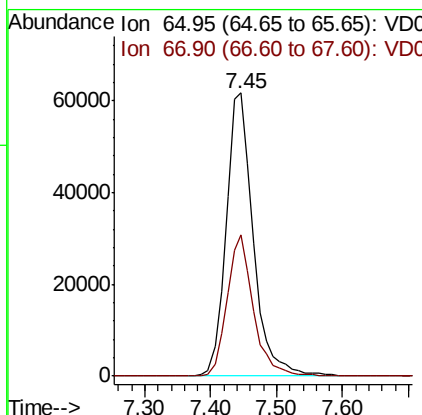
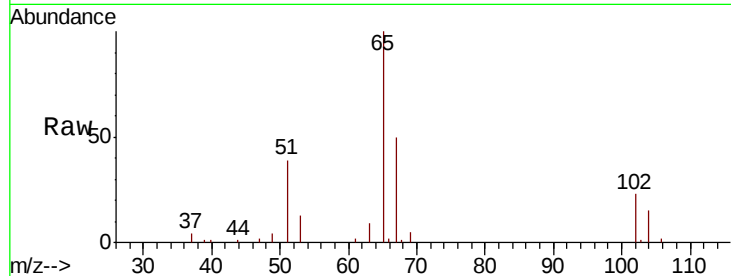




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: VD061852.D
 Acq: 17 Apr 2019 14:59

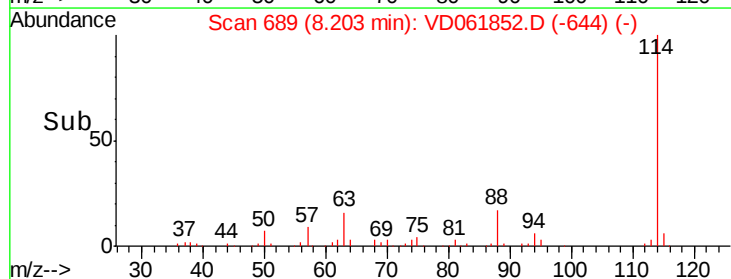
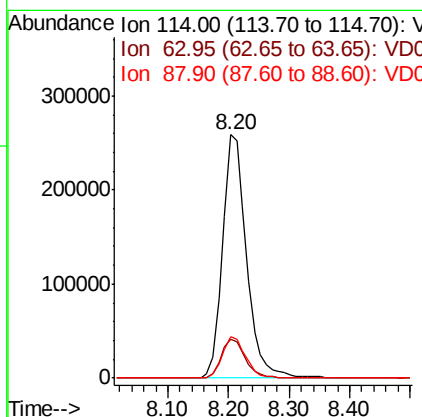
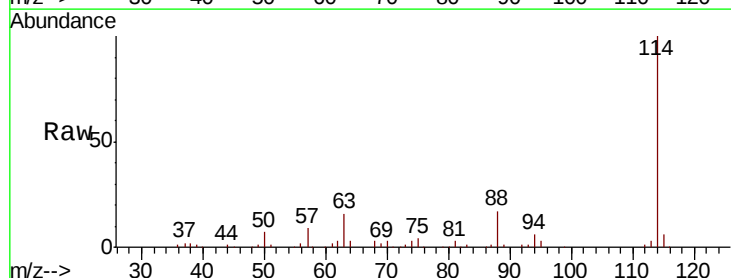
Instrument :
 MSVOA_D
 ClientSampleId :
 200050

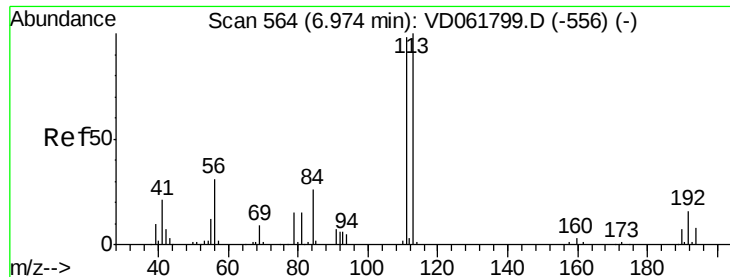
Tgt Ion: 65 Resp: 177154
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.06 min
 Lab File: VD061852.D
 Acq: 17 Apr 2019 14:59

Tgt Ion: 114 Resp: 711258
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 32.4
 88 17.2 0.0 33.6

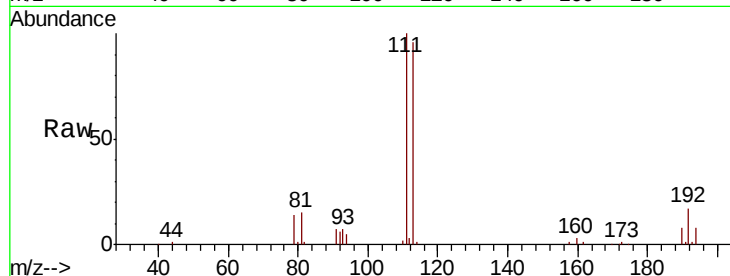




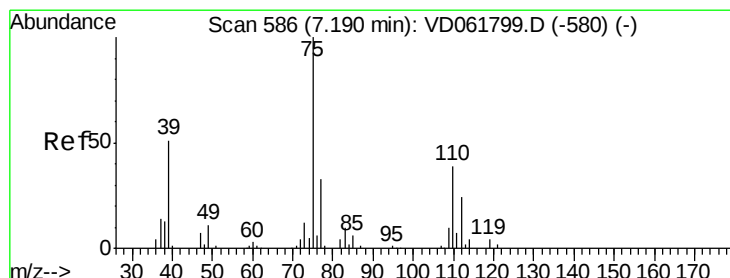
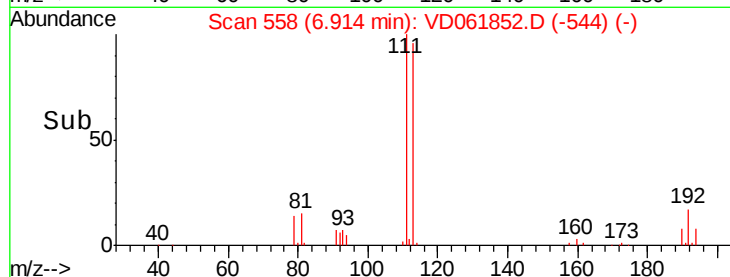
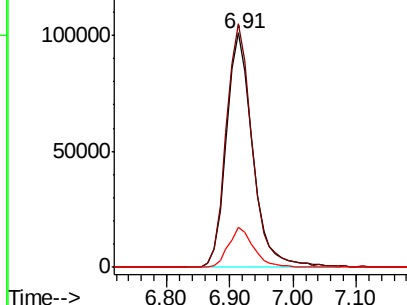
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. -0.06 min
 Lab File: VD061852.D
 Acq: 17 Apr 2019 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 200050

Tgt Ion: 113 Resp: 291713
 Ion Ratio Lower Upper
 113 100
 111 103.9 78.5 117.7
 192 17.3 13.0 19.4

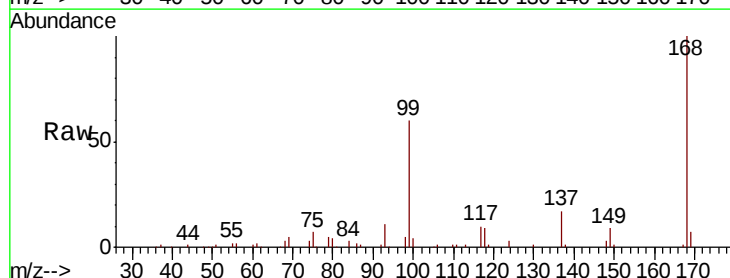


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

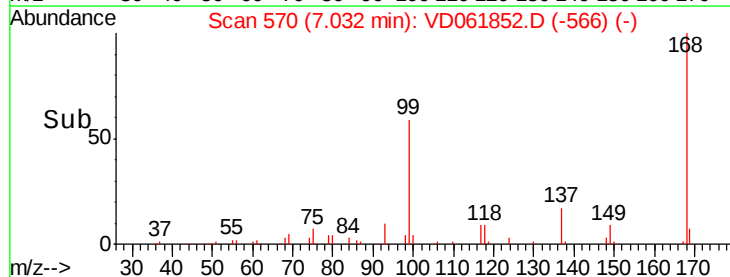
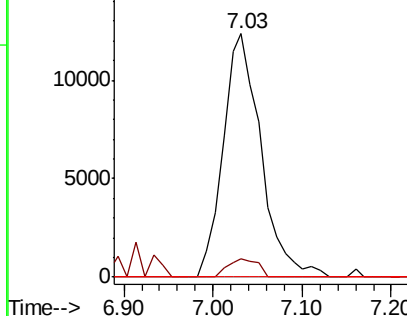


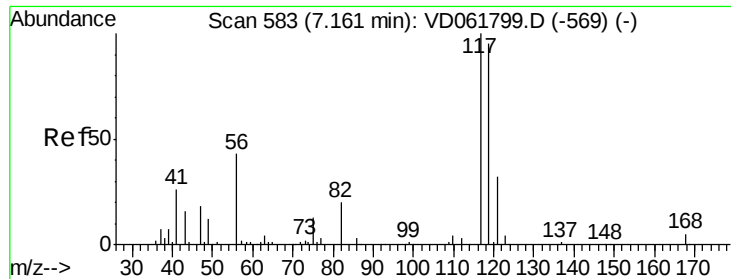
#36
 1,1-Dichloropropene
 Concen: 6.309 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.16 min
 Lab File: VD061852.D
 Acq: 17 Apr 2019 14:59

Tgt Ion: 75 Resp: 36666
 Ion Ratio Lower Upper
 75 100
 110 7.3 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: 6.519 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.13 min

Lab File: VD061852.D

Acq: 17 Apr 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

200050

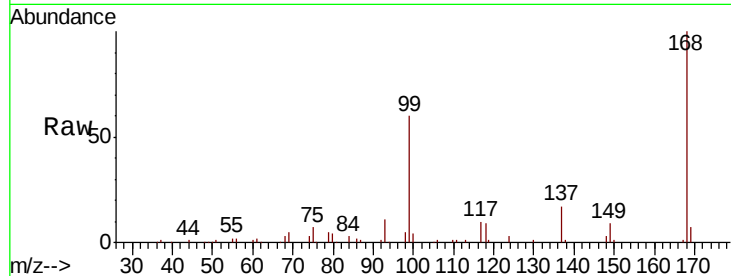
Tgt Ion:117 Resp: 47846

Ion Ratio Lower Upper

117 100

119 6.6 75.8 113.8#

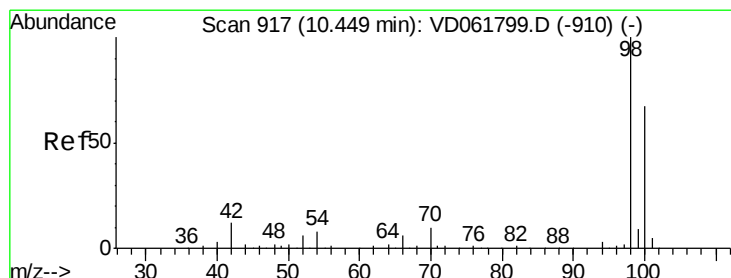
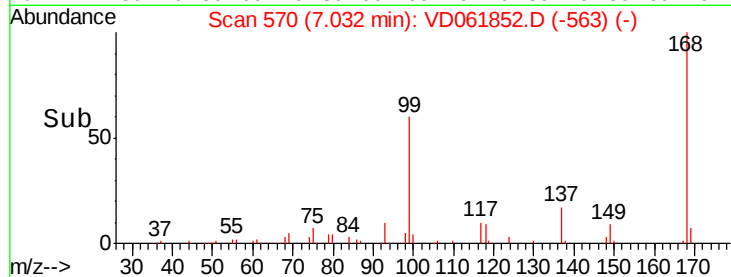
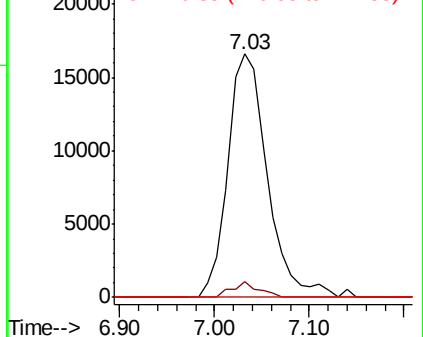
121 0.0 25.9 38.9#



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: 10.40 min Scan# 912

Delta R.T. -0.05 min

Lab File: VD061852.D

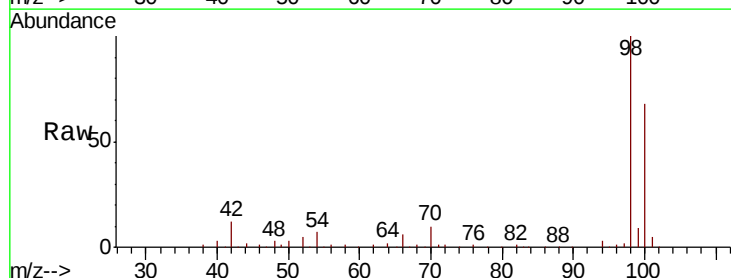
Acq: 17 Apr 2019 14:59

Tgt Ion: 98 Resp: 630947

Ion Ratio Lower Upper

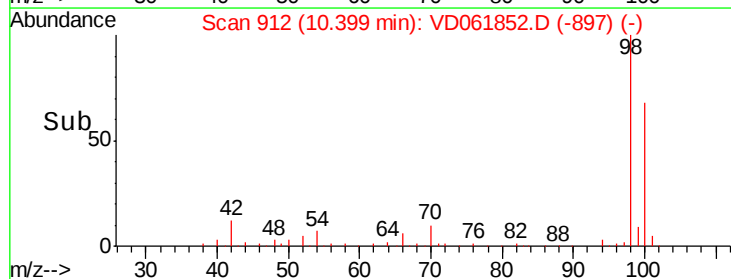
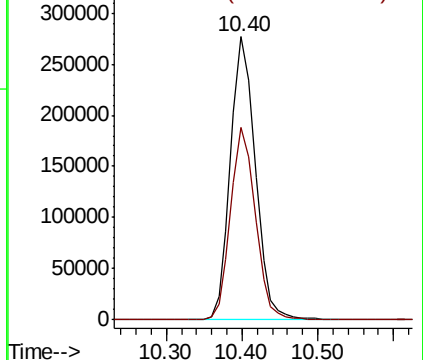
98 100

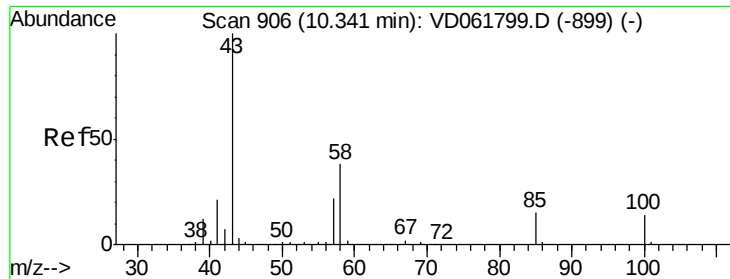
100 68.2 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.147 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.06 min

Lab File: VD061852.D

Acq: 17 Apr 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

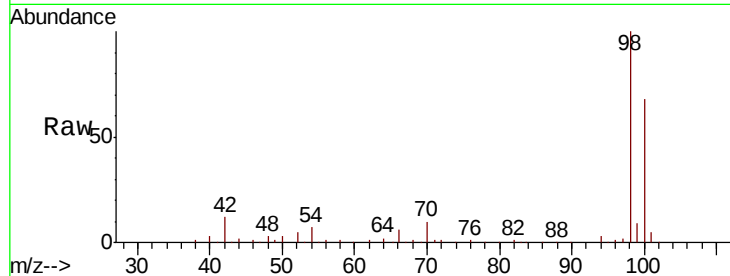
200050

Tgt Ion: 43 Resp: 2455

Ion Ratio Lower Upper

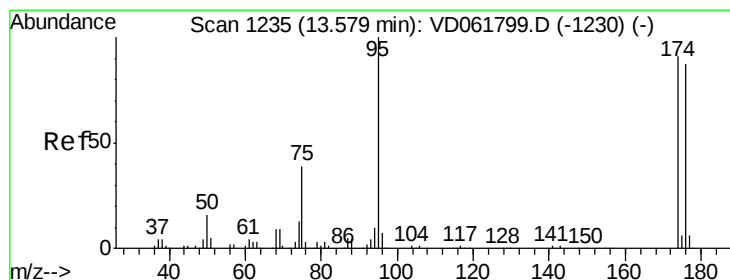
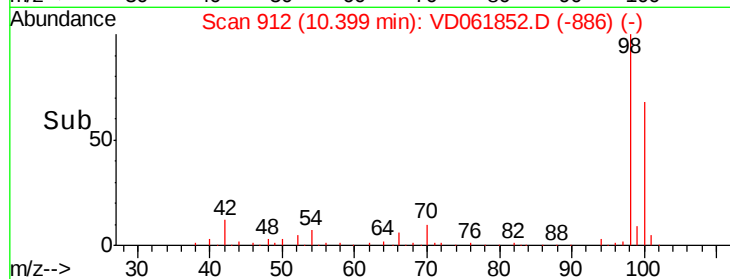
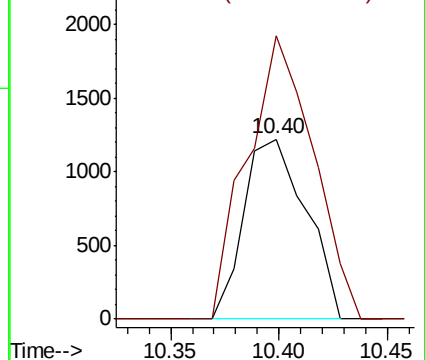
43 100

58 157.2 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.03 min

Lab File: VD061852.D

Acq: 17 Apr 2019 14:59

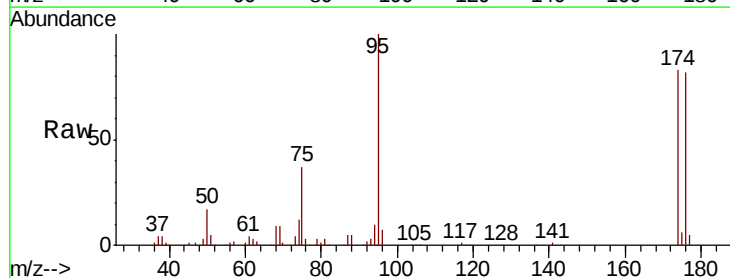
Tgt Ion: 95 Resp: 242055

Ion Ratio Lower Upper

95 100

174 82.9 0.0 181.8

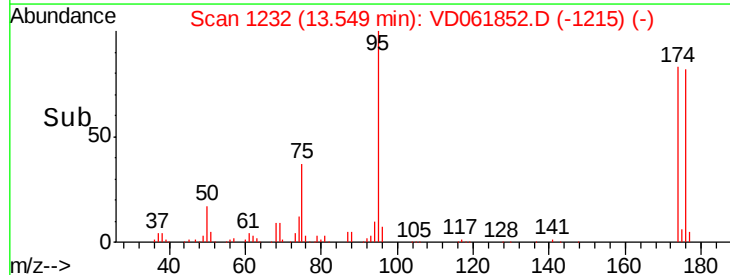
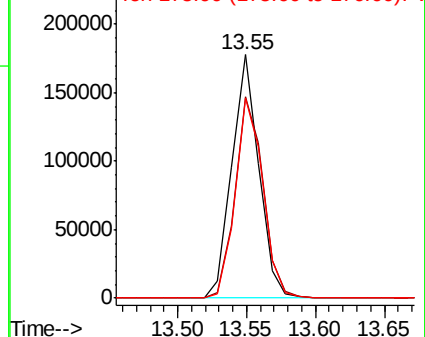
176 82.1 0.0 174.4

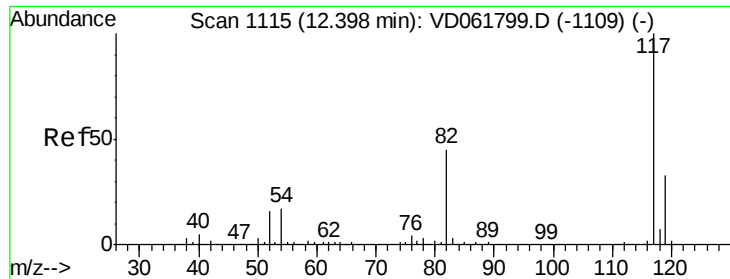


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

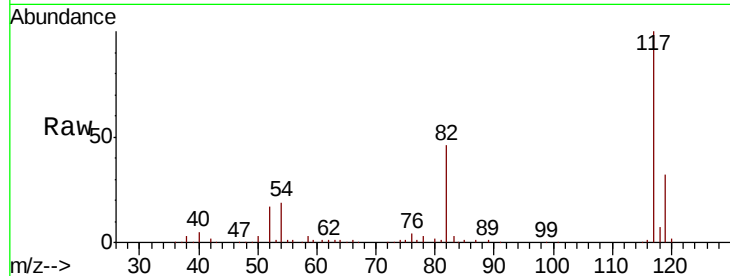




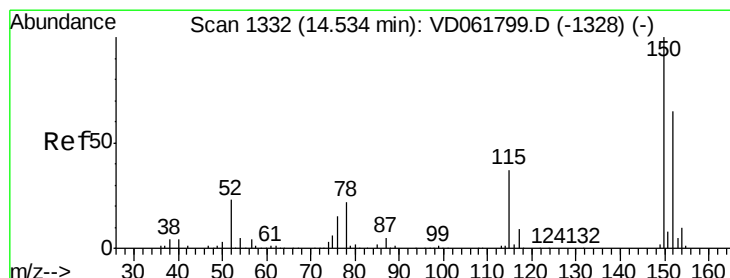
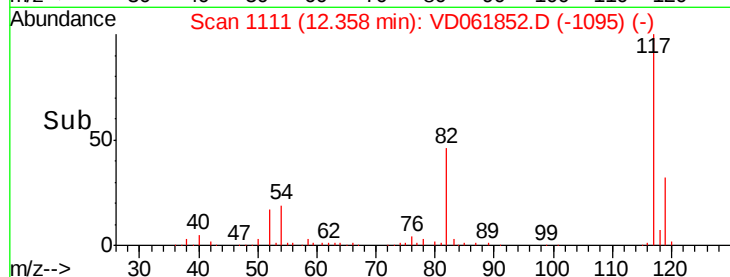
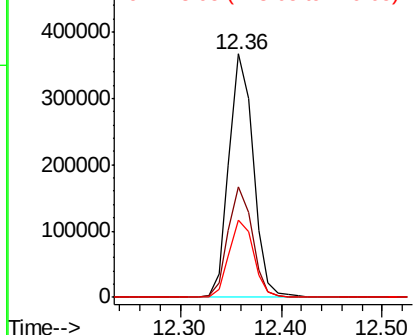
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.04 min
Lab File: VD061852.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_D
ClientSampleId :
200050

Tgt Ion:117 Resp: 616318
Ion Ratio Lower Upper
117 100
82 45.6 36.2 54.2
119 31.6 26.2 39.4

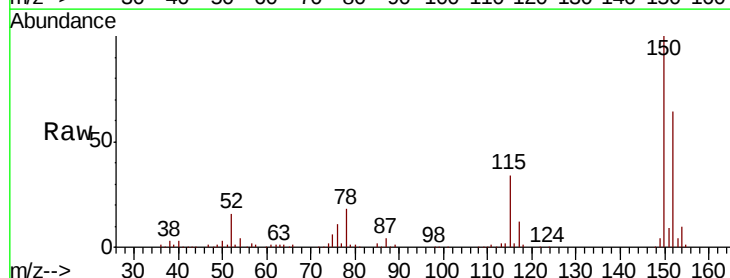


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

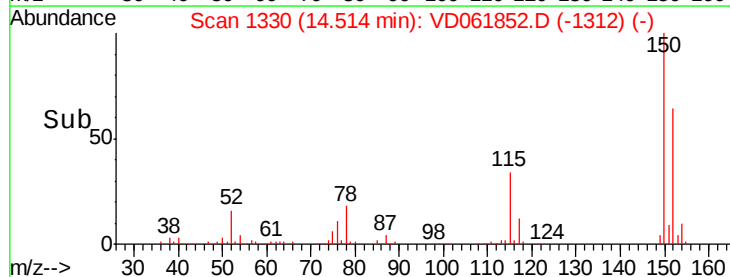
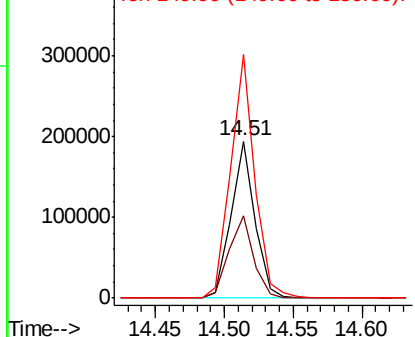


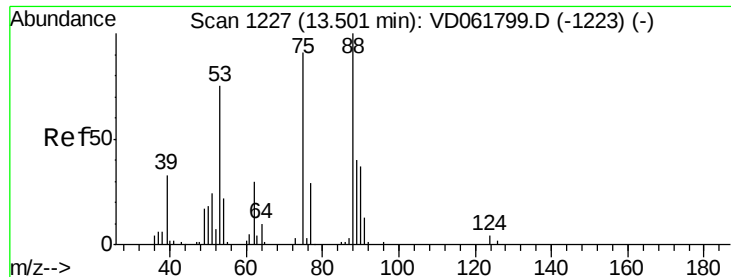
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.02 min
Lab File: VD061852.D
Acq: 17 Apr 2019 14:59

Tgt Ion:152 Resp: 233922
Ion Ratio Lower Upper
152 100
115 52.5 30.9 92.7
150 155.2 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: 88.226 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.05 min

Lab File: VD061852.D

Acq: 17 Apr 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

200050

Tgt Ion: 75 Resp: 90557

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

