

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041919\
 Data File : VD061909.D
 Acq On : 19 Apr 2019 14:45
 Operator : VA/AP
 Sample : K2422-07
 Misc : 6.21g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1-D

Quant Time: Apr 19 15:21:27 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	7.07	168	264357	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	414129	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	249652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	192832	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	204238	92.18	ug/l	0.01
Spiked Amount 50.000			Recovery	=	184.36%	
35) Dibromofluoromethane	6.94	113	275180	87.95	ug/l	0.01
Spiked Amount 50.000			Recovery	=	175.90%	
50) Toluene-d8	10.42	98	102445	13.82	ug/l	0.01
Spiked Amount 50.000			Recovery	=	27.64%	
62) 4-Bromofluorobenzene	13.56	95	200755	66.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	133.62%	

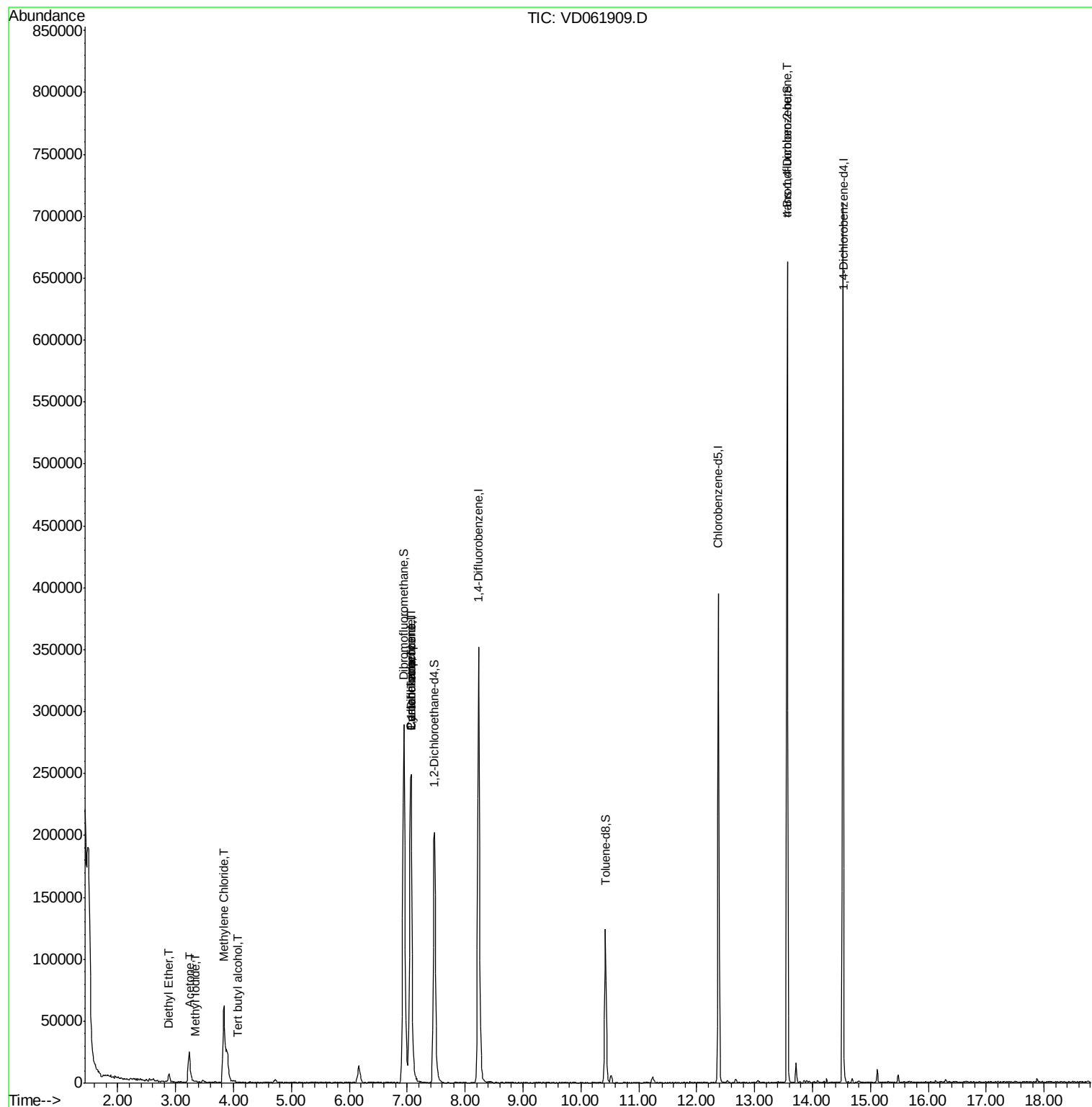
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	419	Below Cal	#	12
8) Diethyl Ether	2.88	74	2620	3.020	ug/l	82
10) Methyl Iodide	3.35	142	237	3.561	ug/l #	37
11) Tert butyl alcohol	4.07	59	198	1.515	ug/l #	76
16) Acetone	3.24	43	49806	91.211	ug/l	94
20) Methylene Chloride	3.84	84	44199	12.879	ug/l #	95
31) Cyclohexane	7.07	56	4210	1.255	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	18772	5.547	ug/l #	49
38) Carbon Tetrachloride	7.06	117	25476	5.962	ug/l #	18
81) trans-1,4-Dichloro-2-buten	13.56	75	77967	91.999	ug/l #	16

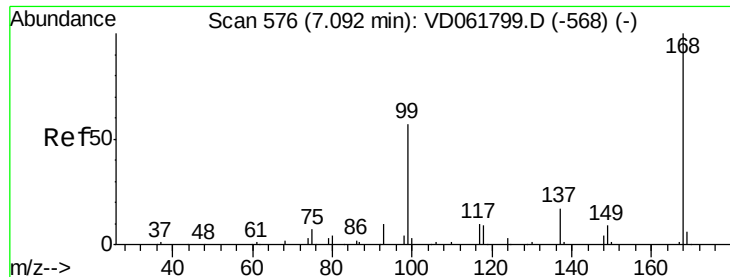
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD041919\
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Quant Time: Apr 19 15:21:27 2019
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: 7.07 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD061909.D

Acq: 19 Apr 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

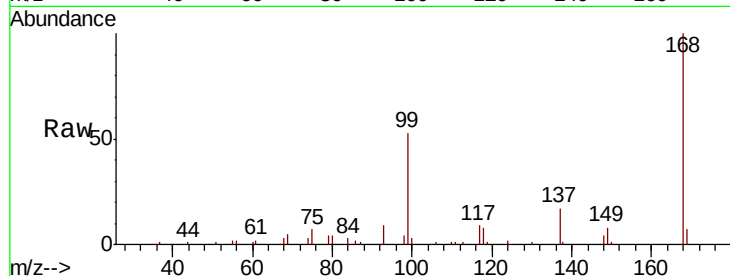
TP1-D

Tgt Ion:168 Resp: 264357

Ion Ratio Lower Upper

168 100

99 53.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

100000

80000

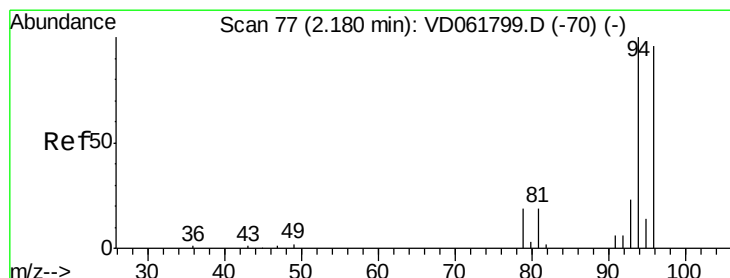
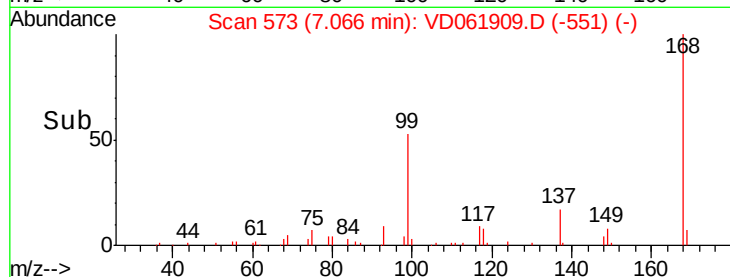
60000

40000

20000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: Below Cal

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD061909.D

Acq: 19 Apr 2019 14:45

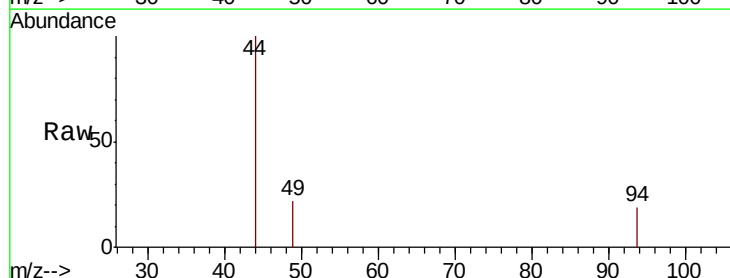
Tgt Ion: 94 Resp: 419

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

500

400

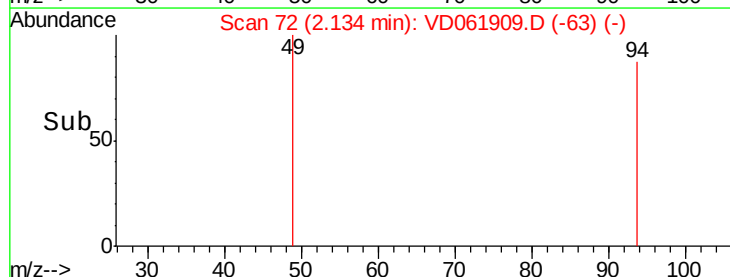
300

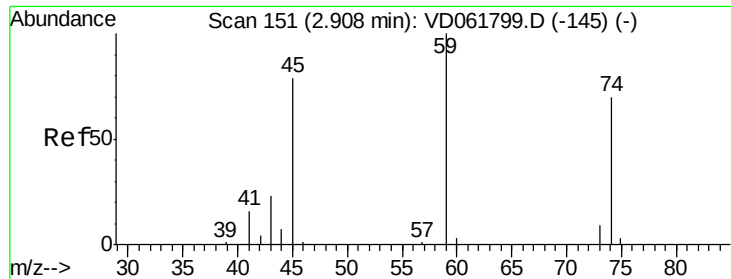
200

100

0

Time--> 2.10 2.12 2.14





#8

Diethyl Ether

Concen: 3.020 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.01 min

Lab File: VD061909.D

Acq: 19 Apr 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

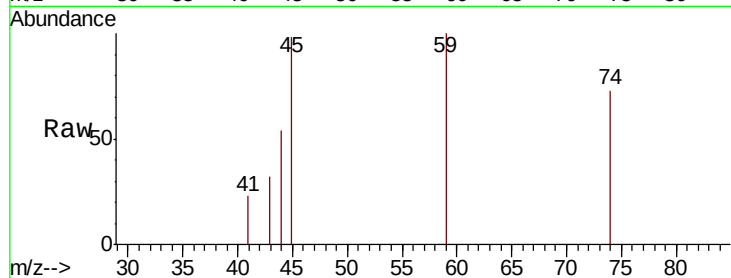
TP1-D

Tgt Ion: 74 Resp: 2620

Ion Ratio Lower Upper

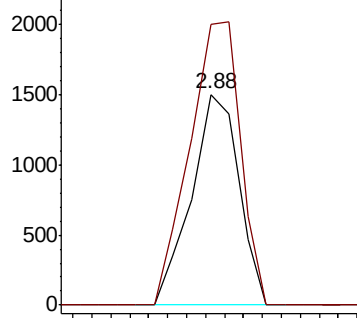
74 100

45 133.6 56.9 170.7

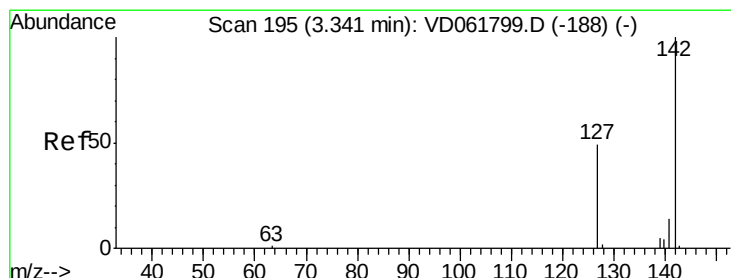
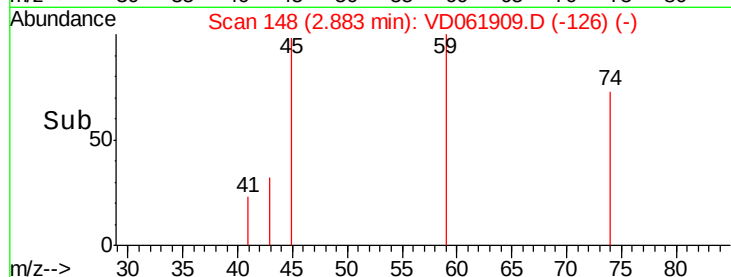


Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



Time-->



#10

Methyl Iodide

Concen: 3.561 ug/l

RT: 3.35 min Scan# 195

Delta R.T. 0.03 min

Lab File: VD061909.D

Acq: 19 Apr 2019 14:45

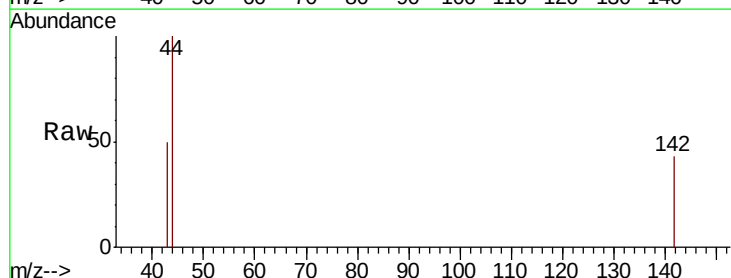
Tgt Ion: 142 Resp: 237

Ion Ratio Lower Upper

142 100

127 0.0 38.8 58.2#

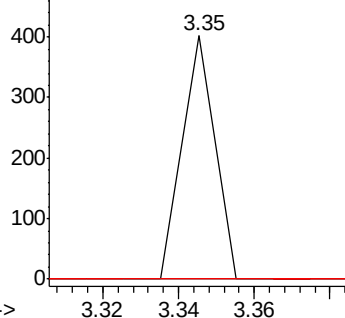
141 0.0 11.4 17.0#



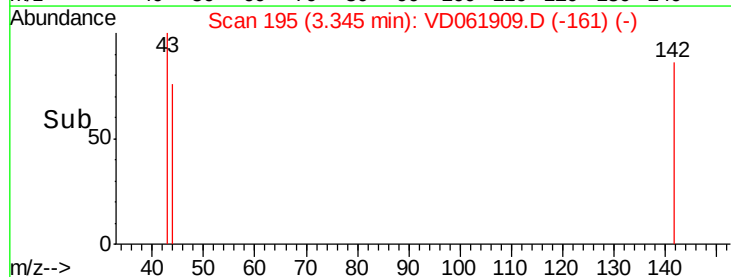
Abundance Ion 141.85 (141.55 to 142.55): V

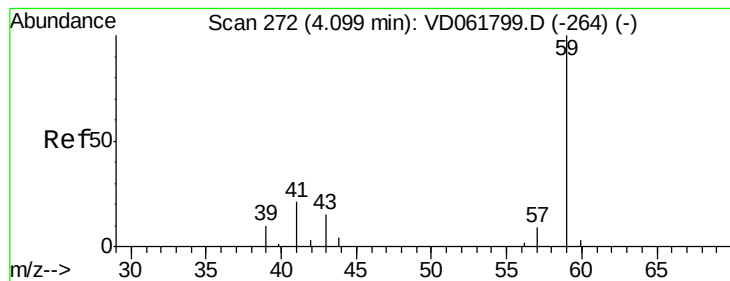
Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



Time-->



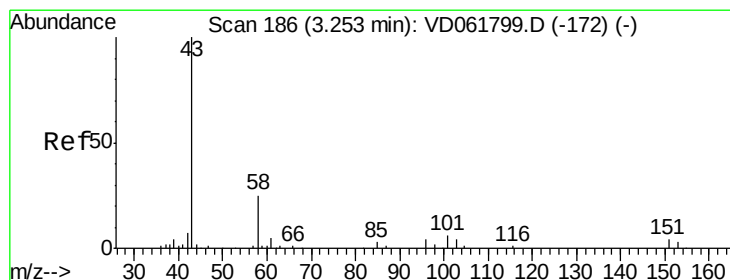
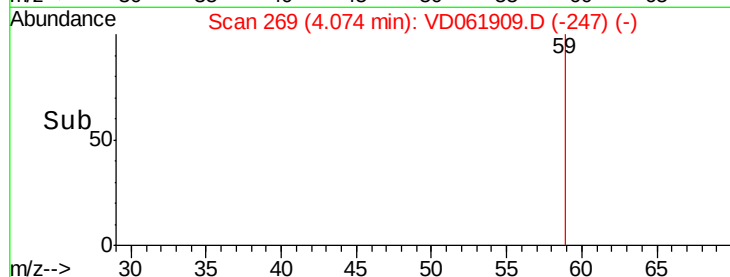
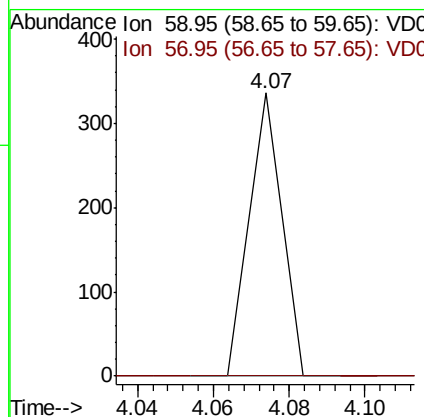
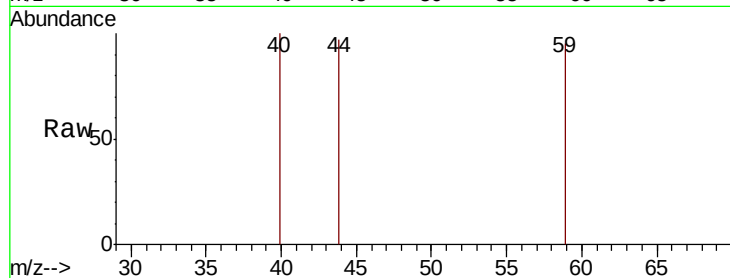


#11

Tert butyl alcohol
 Concen: 1.515 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD061909.D
 Acq: 19 Apr 2019 14:45

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1-D

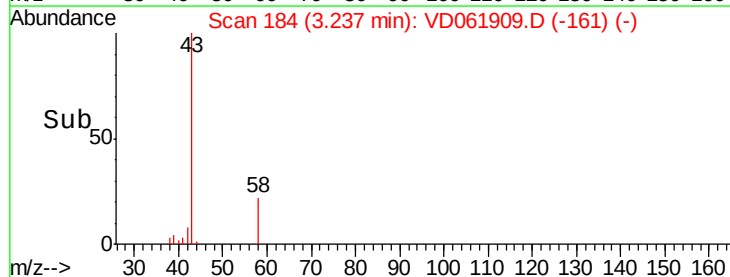
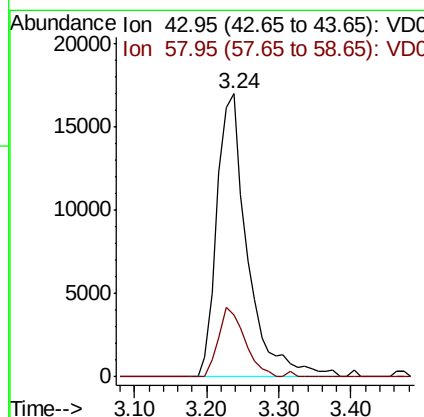
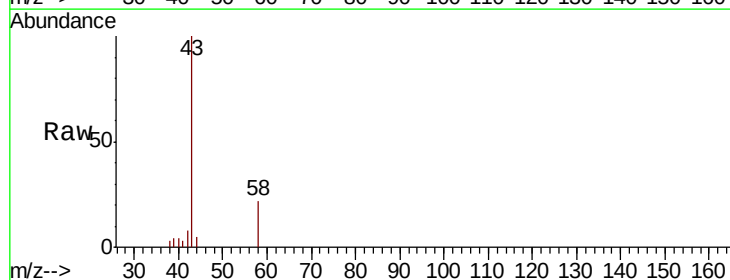
Tgt Ion: 59 Resp: 198
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#

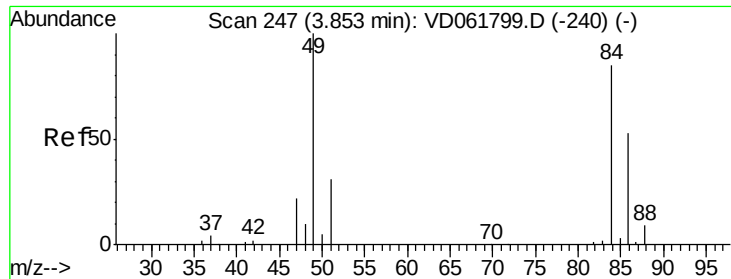


#16

Acetone
 Concen: 91.211 ug/l
 RT: 3.24 min Scan# 184
 Delta R.T. 0.02 min
 Lab File: VD061909.D
 Acq: 19 Apr 2019 14:45

Tgt Ion: 43 Resp: 49806
 Ion Ratio Lower Upper
 43 100
 58 22.1 19.9 29.9

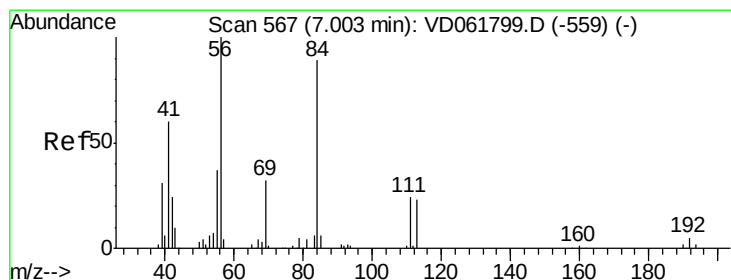
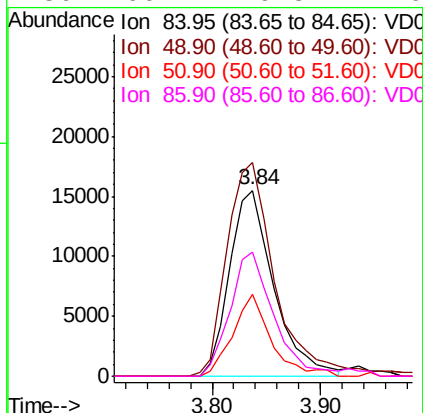
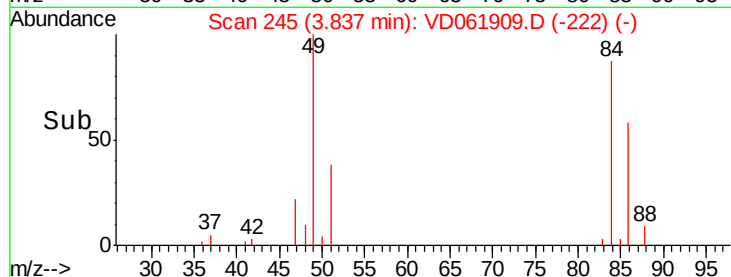
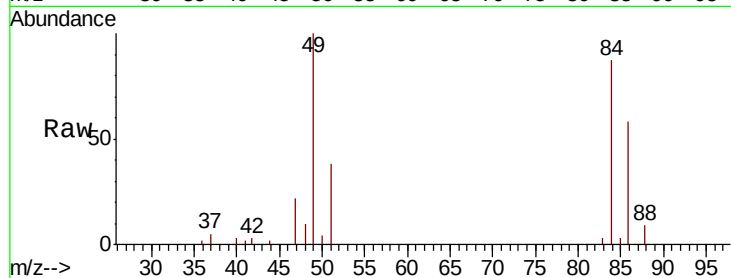




#20
Methylene Chloride
Concen: 12.879 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.02 min
Lab File: VD061909.D
Acq: 19 Apr 2019 14:45

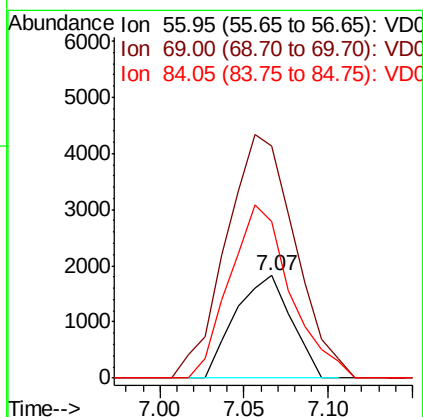
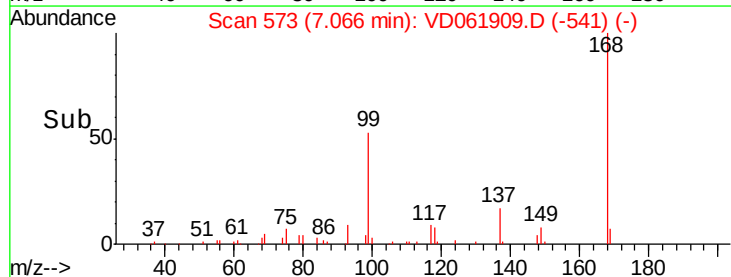
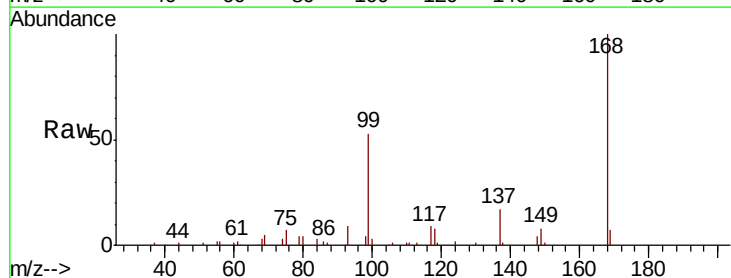
Instrument :
MSVOA_D
ClientSampled :
TP1-D

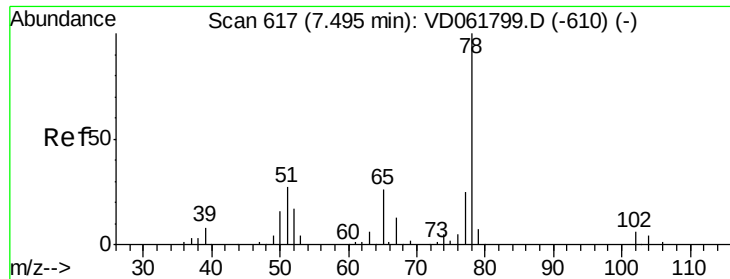
Tgt Ion: 84 Resp: 44199
Ion Ratio Lower Upper
84 100
49 114.9 94.0 141.0
51 43.8 29.0 43.4#
86 66.7 49.8 74.6



#31
Cyclohexane
Concen: 1.255 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.11 min
Lab File: VD061909.D
Acq: 19 Apr 2019 14:45

Tgt Ion: 56 Resp: 4210
Ion Ratio Lower Upper
56 100
69 226.5 25.8 38.6#
84 153.0 72.2 108.4#

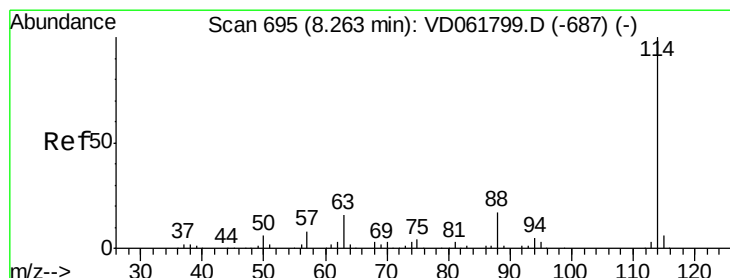
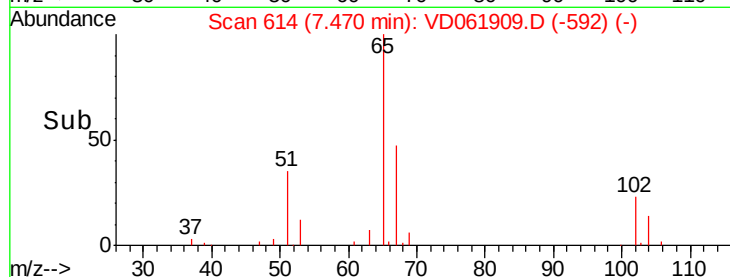
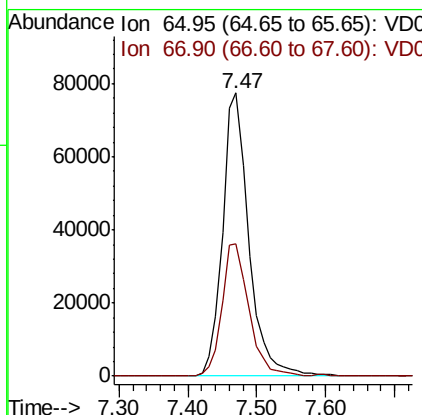
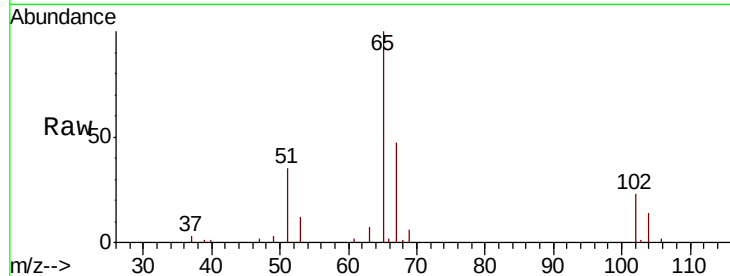




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VD061909.D
 Acq: 19 Apr 2019 14:45

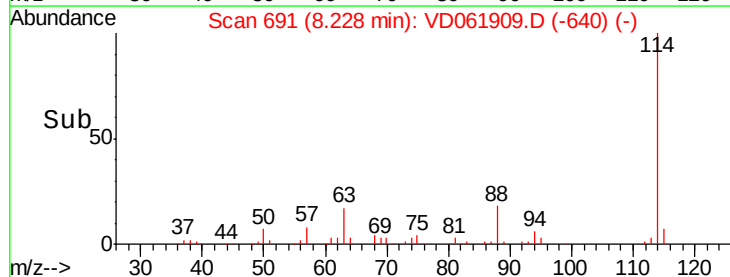
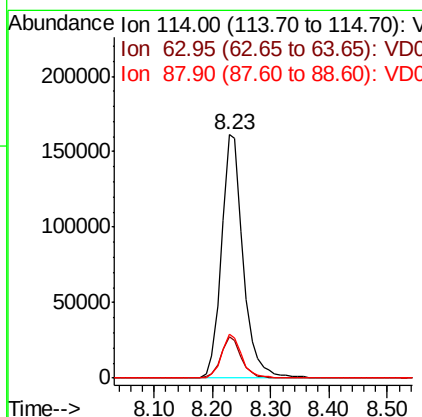
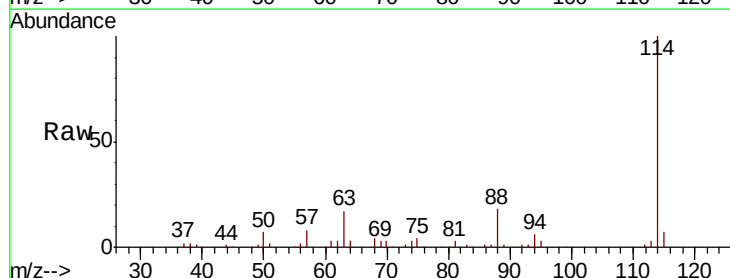
Instrument :
 MSVOA_D
 ClientSampleId :
 TP1-D

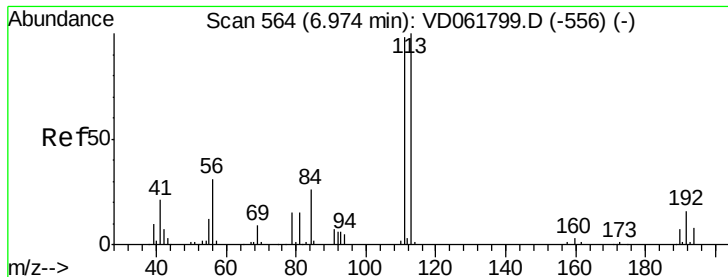
Tgt Ion: 65 Resp: 204238
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061909.D
 Acq: 19 Apr 2019 14:45

Tgt Ion: 114 Resp: 414129
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 32.4
 88 18.2 0.0 33.6

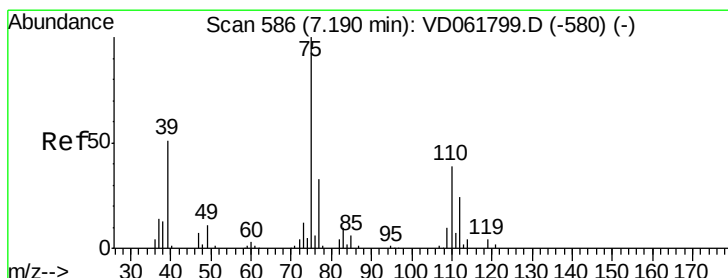
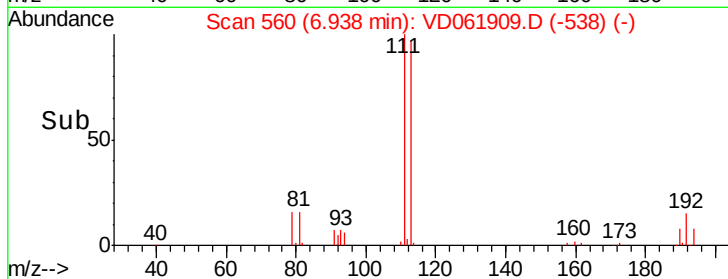
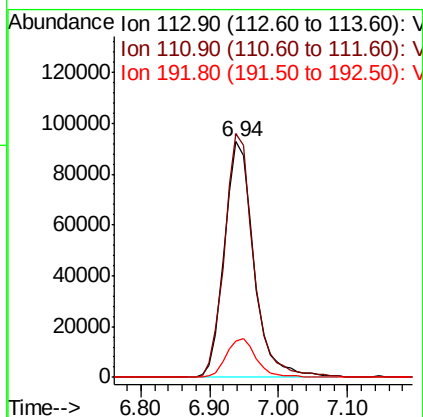
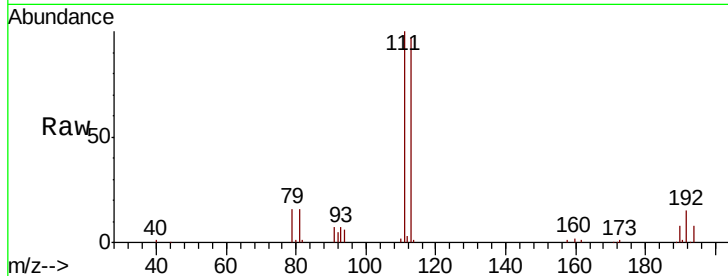




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD061909.D
 Acq: 19 Apr 2019 14:45

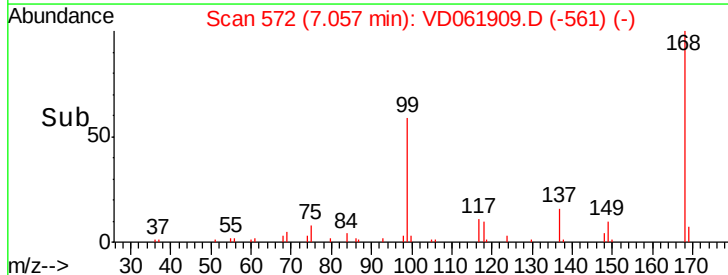
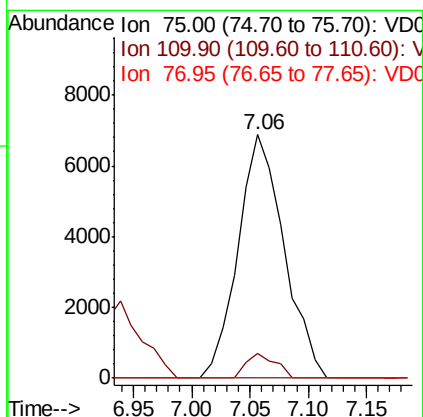
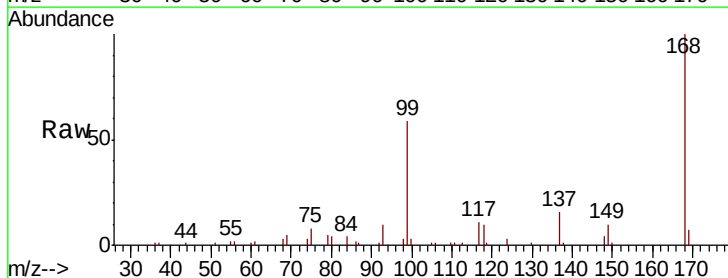
Instrument :
 MSVOA_D
 ClientSampleId :
 TP1-D

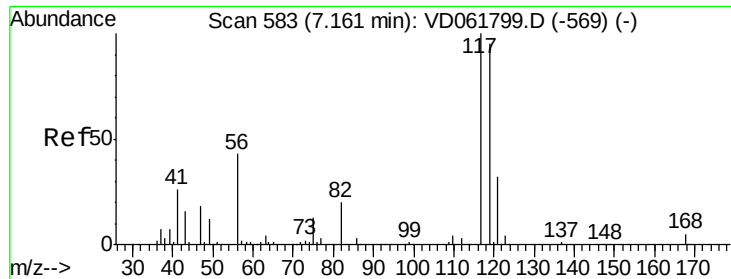
Tgt Ion:113 Resp: 275180
 Ion Ratio Lower Upper
 113 100
 111 103.3 78.5 117.7
 192 15.6 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 5.547 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD061909.D
 Acq: 19 Apr 2019 14:45

Tgt Ion: 75 Resp: 18772
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.1 57.1#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 5.962 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.05 min

Lab File: VD061909.D

Acq: 19 Apr 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

TP1-D

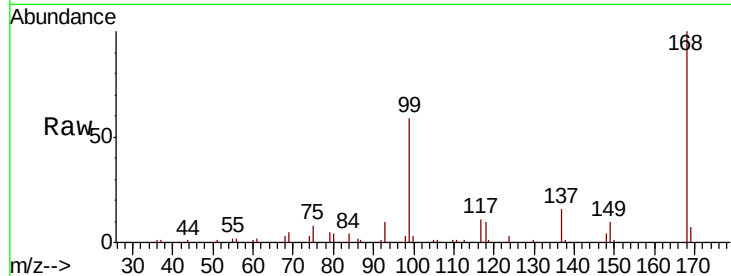
Tgt Ion:117 Resp: 25476

Ion Ratio Lower Upper

117 100

119 7.5 75.8 113.8#

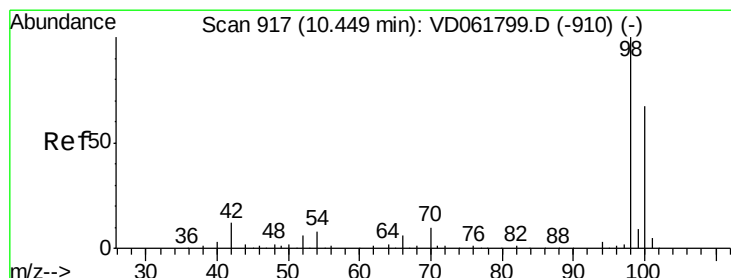
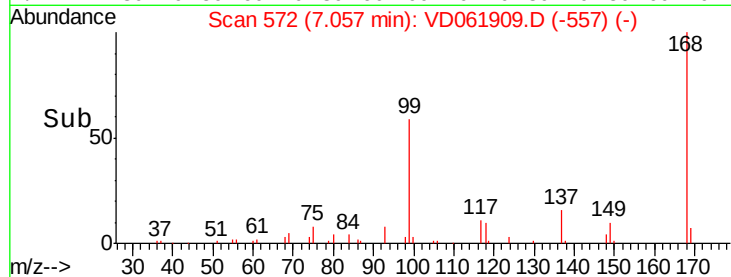
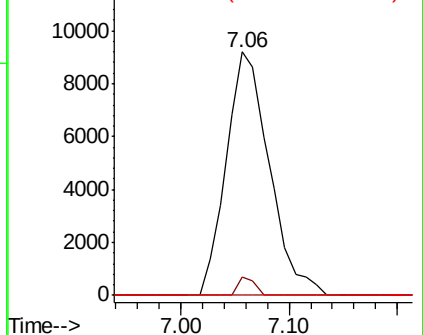
121 0.0 25.9 38.9#



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: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD061909.D

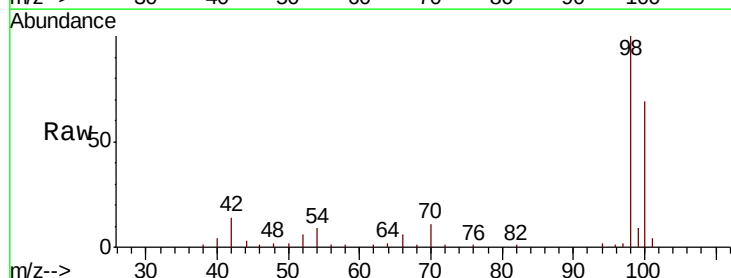
Acq: 19 Apr 2019 14:45

Tgt Ion: 98 Resp: 102445

Ion Ratio Lower Upper

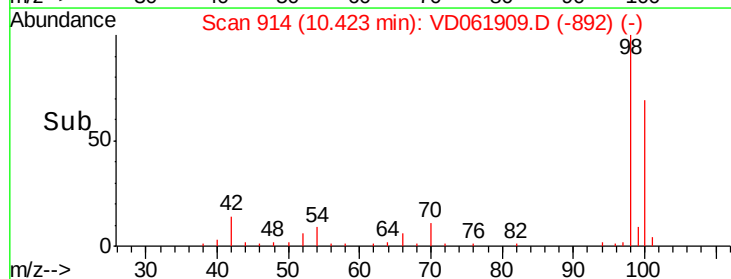
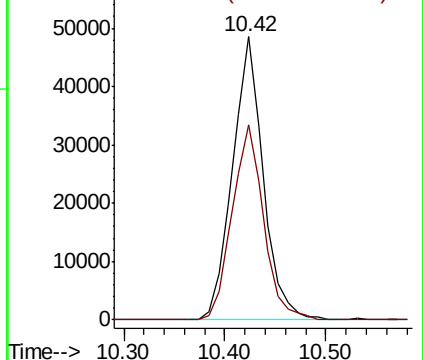
98 100

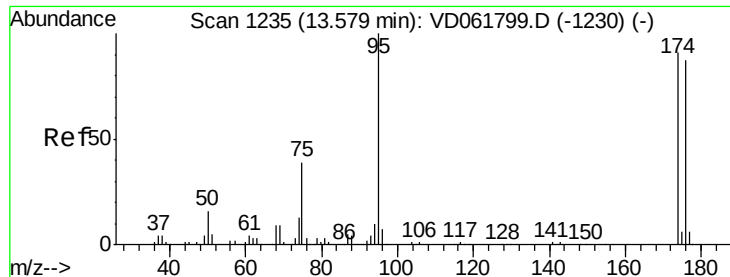
100 69.0 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061909.D

Acq: 19 Apr 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

TP1-D

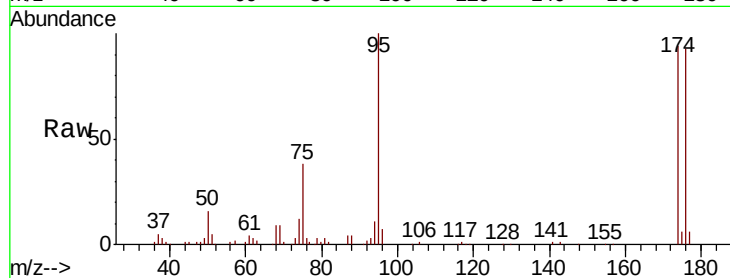
Tgt Ion: 95 Resp: 200755

Ion Ratio Lower Upper

95 100

174 93.8 0.0 181.8

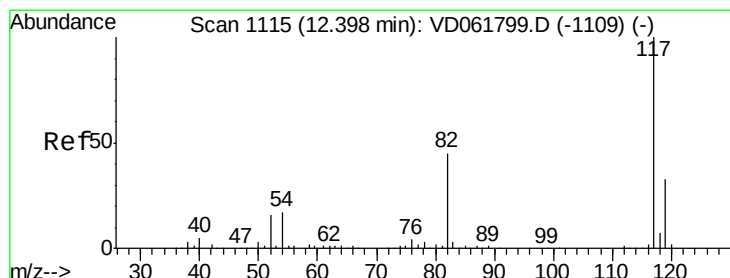
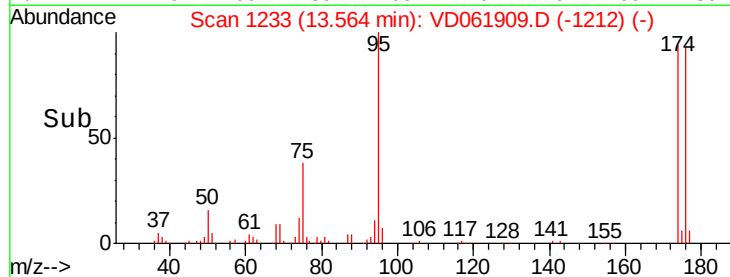
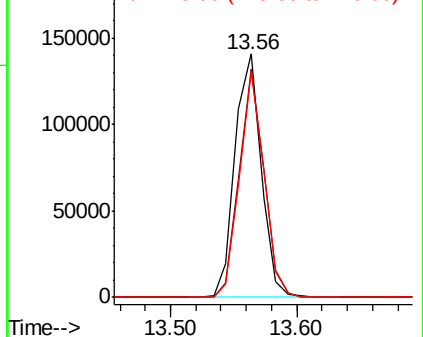
176 92.7 0.0 174.4



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: VD061909.D

Acq: 19 Apr 2019 14:45

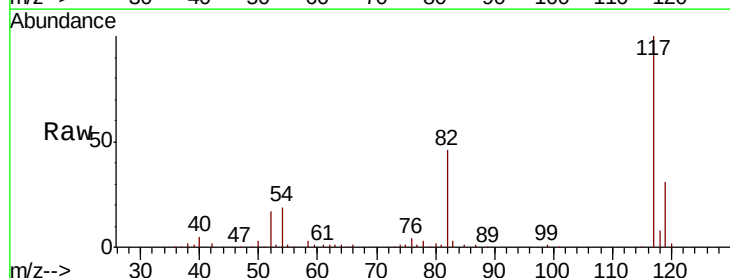
Tgt Ion: 117 Resp: 249652

Ion Ratio Lower Upper

117 100

82 45.8 36.2 54.2

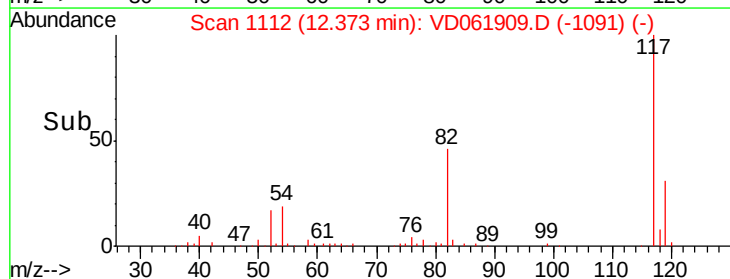
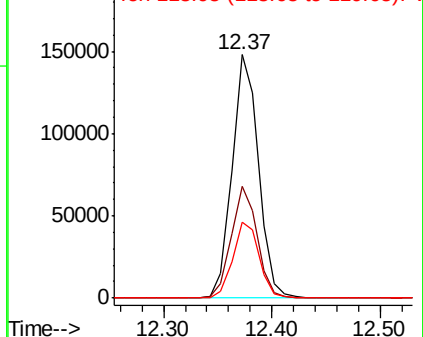
119 31.1 26.2 39.4

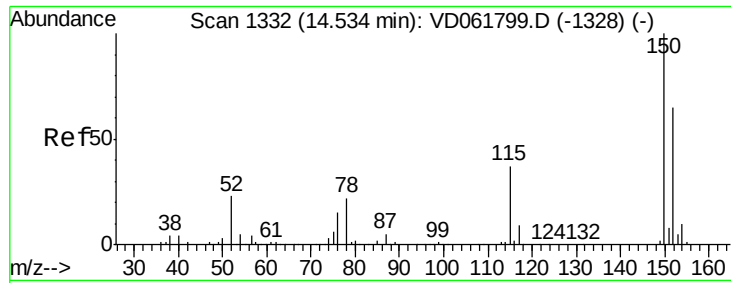


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

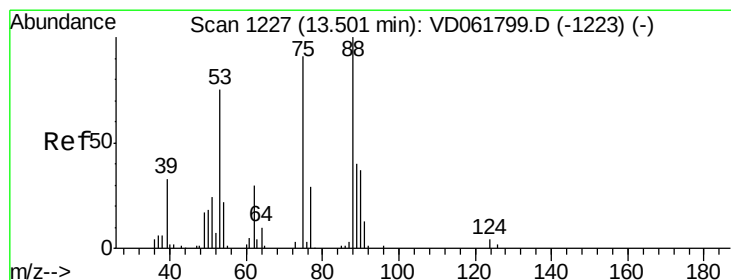
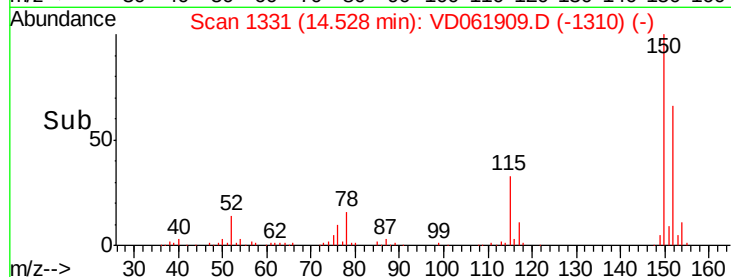
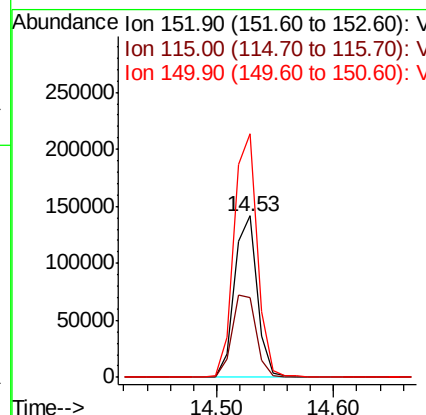
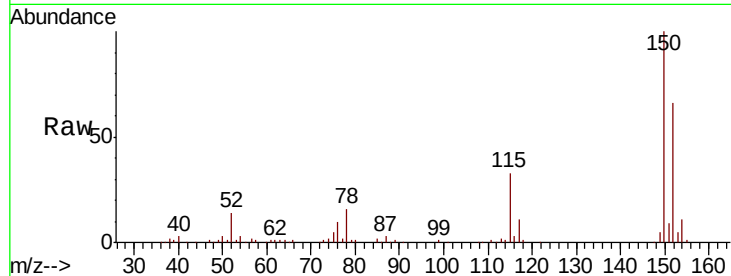




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VD061909.D
 Acq: 19 Apr 2019 14:45

Instrument :
 MSVOA_D
 ClientSampled :
 TP1-D

Tgt Ion: 152 Resp: 192832
 Ion Ratio Lower Upper
 152 100
 115 49.2 30.9 92.7
 150 150.7 0.0 314.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.999 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD061909.D
 Acq: 19 Apr 2019 14:45

Tgt Ion: 75 Resp: 77967
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

