

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041619\
 Data File : VD061811.D
 Acq On : 16 Apr 2019 15:11
 Operator : VA/AP
 Sample : K2196-03
 Misc : 6.39g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-041119

Quant Time: Apr 16 15:37:49 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	7.06	168	607259	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.23	114	997548	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.38	117	644666	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	202715	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	213732	42.00	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	84.00%	
35) Dibromofluoromethane	6.94	113	309654	41.09	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	82.18%	
50) Toluene-d8	10.42	98	521034	29.18	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	58.36%	
62) 4-Bromofluorobenzene	13.56	95	177365	24.51	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	49.02%	

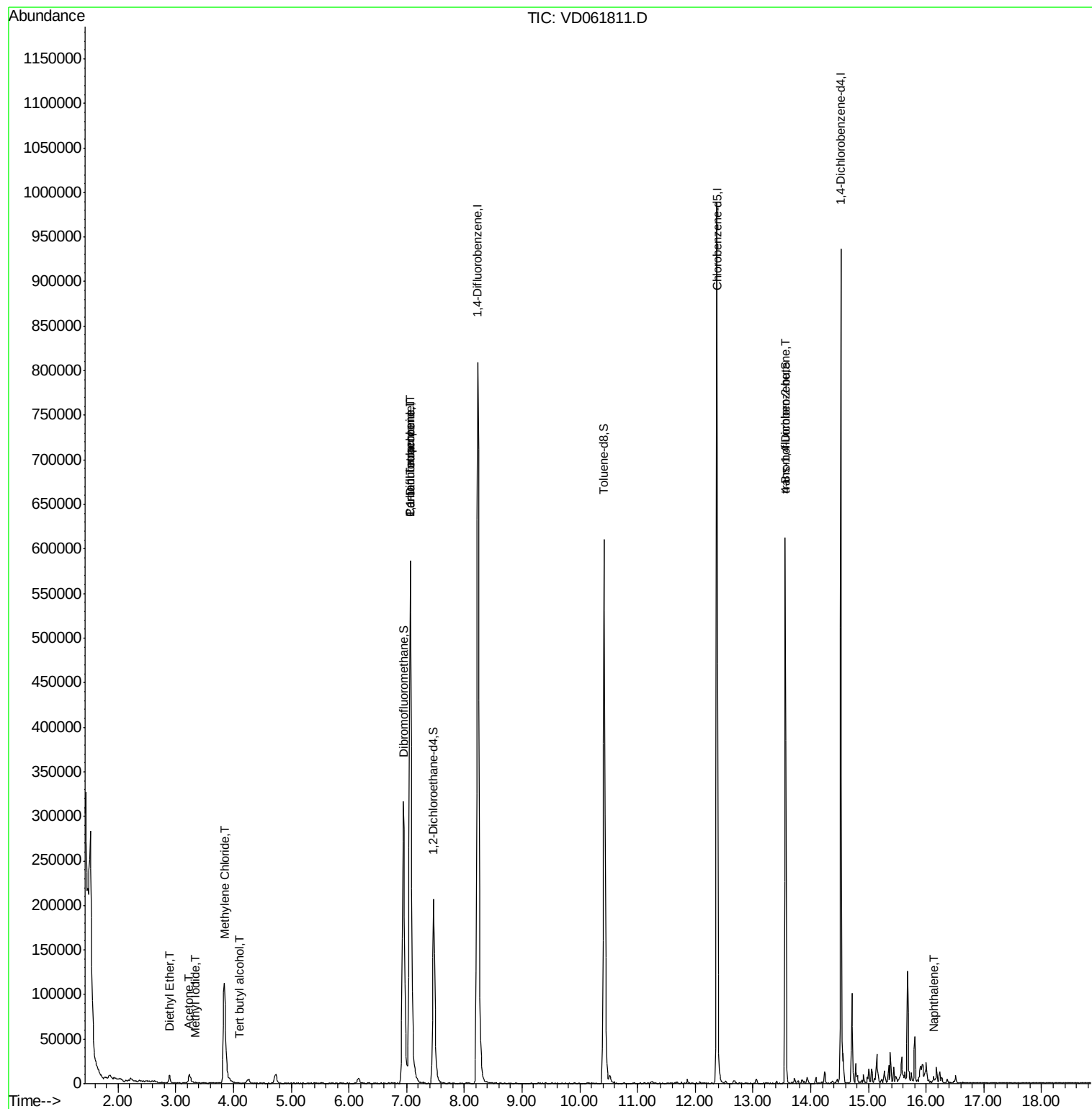
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	215	Below Cal	#	12
8) Diethyl Ether	2.89	74	3634	1.824	ug/l	97
10) Methyl Iodide	3.33	142	1329	3.629	ug/l #	37
11) Tert butyl alcohol	4.10	59	791	2.635	ug/l #	76
16) Acetone	3.23	43	21644	17.255	ug/l #	87
20) Methylene Chloride	3.84	84	88695	10.612	ug/l	98
36) 1,1-Dichloropropene	7.06	75	45544	5.587	ug/l #	46
38) Carbon Tetrachloride	7.06	117	59770	5.807	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.56	75	66642	75.423	ug/l #	16
95) Naphthalene	16.13	128	4675	1.017	ug/l #	88

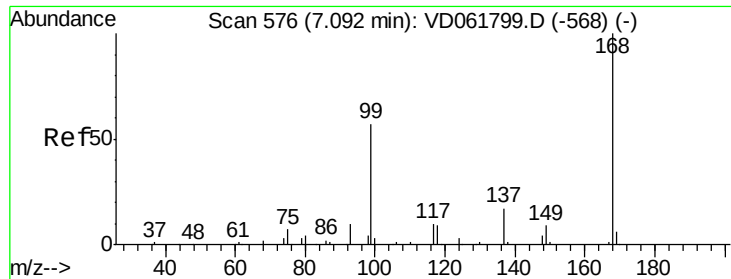
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD041619\
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Quant Time: Apr 16 15:37:49 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: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD061811.D

Acq: 16 Apr 2019 15:11

Instrument :

MSVOA_D

ClientSampleId :

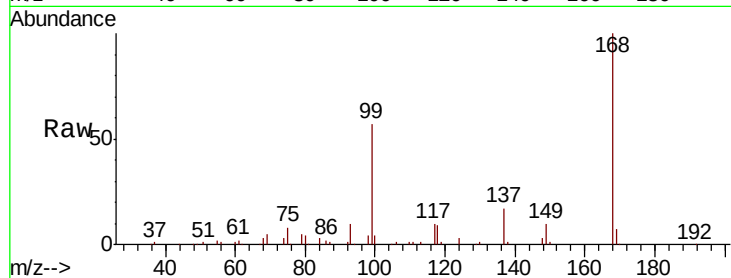
HD-02-041119

Tgt Ion:168 Resp: 607259

Ion Ratio Lower Upper

168 100

99 57.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.06

200000

150000

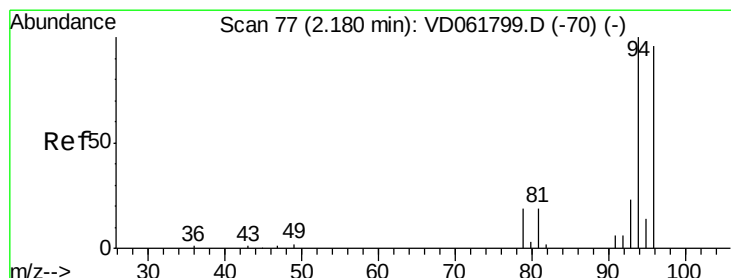
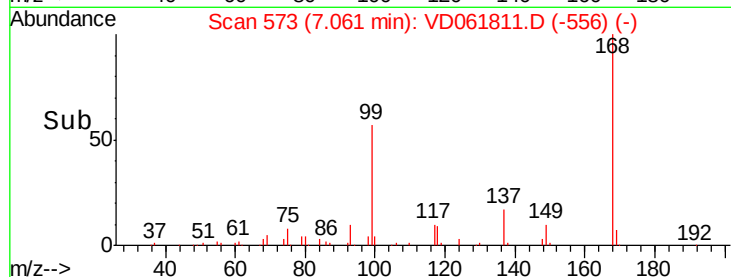
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.19 min Scan# 78

Delta R.T. 0.01 min

Lab File: VD061811.D

Acq: 16 Apr 2019 15:11

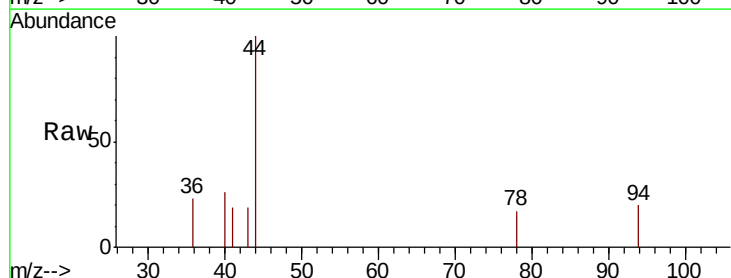
Tgt Ion: 94 Resp: 215

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): V

Ion 96.00 (95.70 to 96.70): V

Ion 93.00 (92.70 to 93.70): V

500

400

300

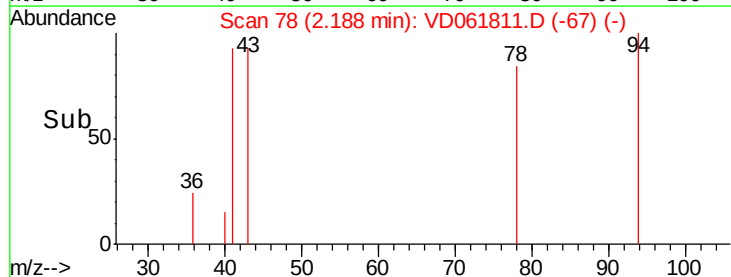
200

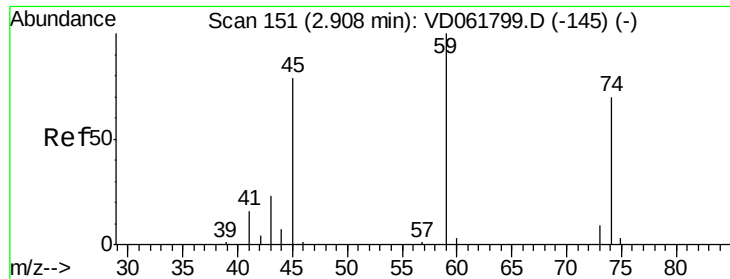
100

0

2.16 2.18 2.20

Time-->





#8

Diethyl Ether

Concen: 1.824 ug/l

RT: 2.89 min Scan# 149

Delta R.T. -0.02 min

Lab File: VD061811.D

Acq: 16 Apr 2019 15:11

Instrument :

MSVOA_D

ClientSampleId :

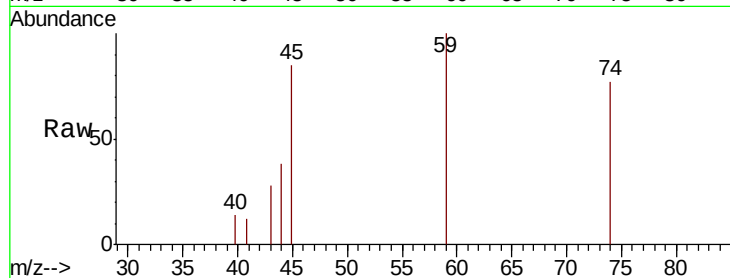
HD-02-041119

Tgt Ion: 74 Resp: 3634

Ion Ratio Lower Upper

74 100

45 111.1 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.89

2500

2000

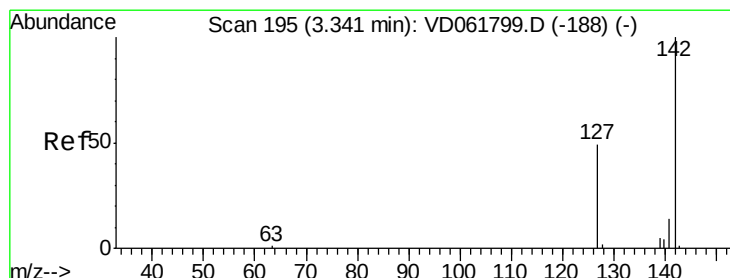
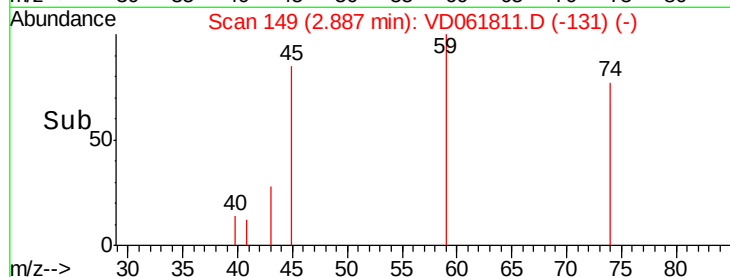
1500

1000

500

0

Time-->



#10

Methyl Iodide

Concen: 3.629 ug/l

RT: 3.33 min Scan# 194

Delta R.T. -0.01 min

Lab File: VD061811.D

Acq: 16 Apr 2019 15:11

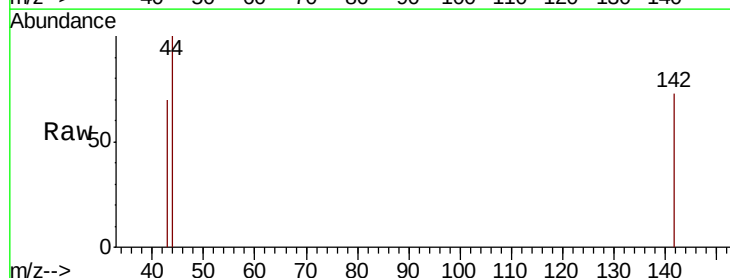
Tgt Ion: 142 Resp: 1329

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

500

400

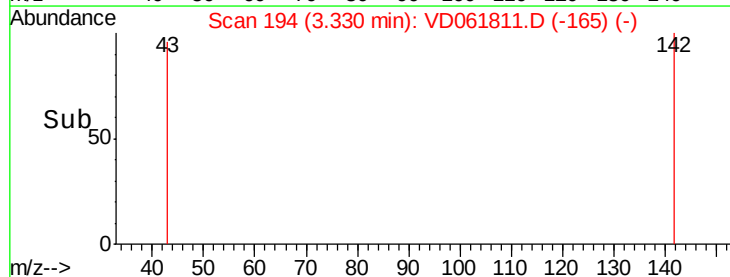
300

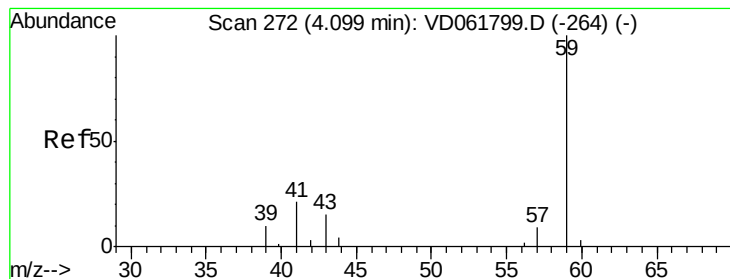
200

100

0

Time-->



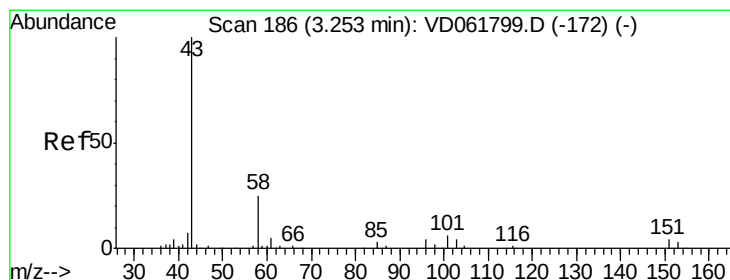
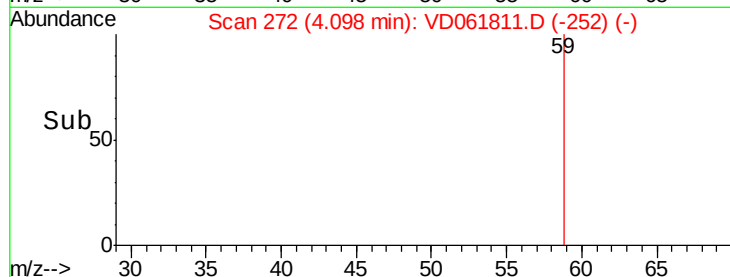
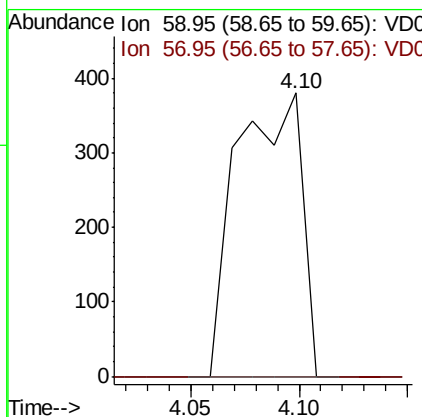
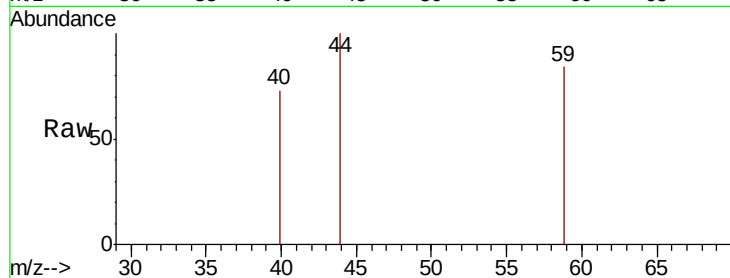


#11

Tert butyl alcohol
 Concen: 2.635 ug/l
 RT: 4.10 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: VD061811.D
 Acq: 16 Apr 2019 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-041119

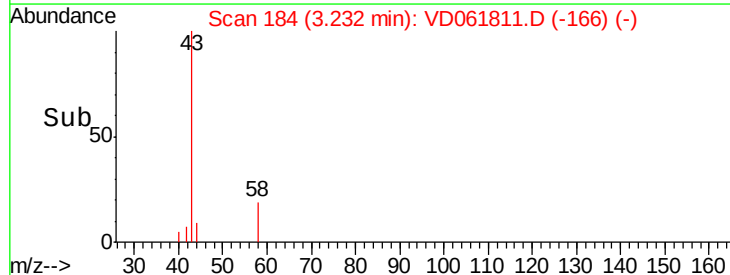
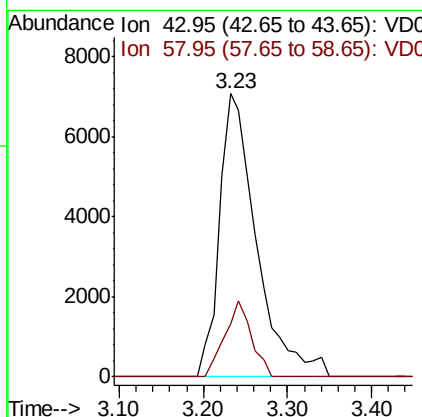
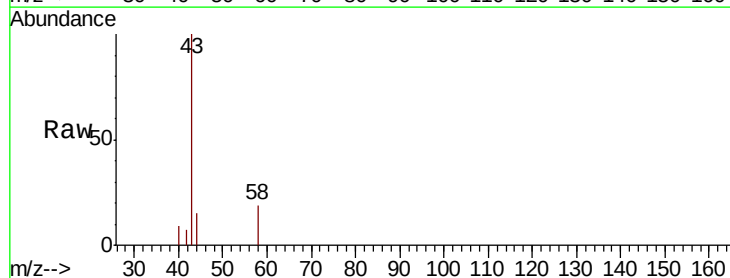
Tgt Ion: 59 Resp: 791
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#

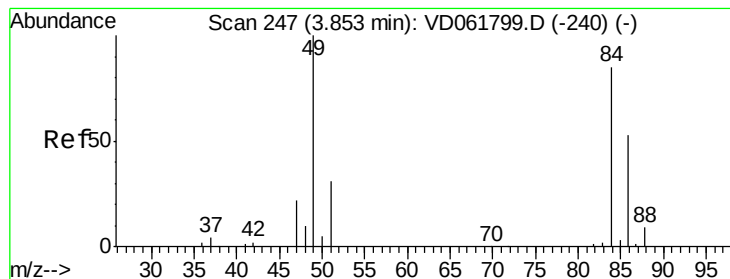


#16

Acetone
 Concen: 17.255 ug/l
 RT: 3.23 min Scan# 184
 Delta R.T. -0.02 min
 Lab File: VD061811.D
 Acq: 16 Apr 2019 15:11

Tgt Ion: 43 Resp: 21644
 Ion Ratio Lower Upper
 43 100
 58 18.5 19.9 29.9#





#20

Methylene Chloride

Concen: 10.612 ug/l

RT: 3.84 min Scan# 246

Delta R.T. -0.01 min

Lab File: VD061811.D

Acq: 16 Apr 2019 15:11

Instrument :

MSVOA_D

ClientSampleId :

HD-02-041119

Tgt Ion: 84 Resp: 88695

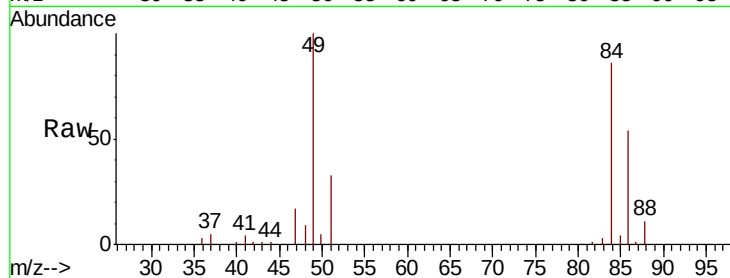
Ion Ratio Lower Upper

84 100

49 116.2 94.0 141.0

51 38.4 29.0 43.4

86 62.9 49.8 74.6

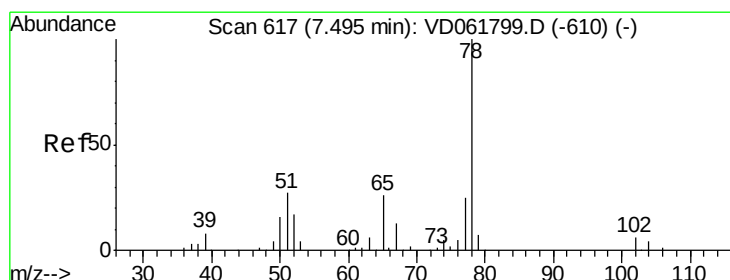
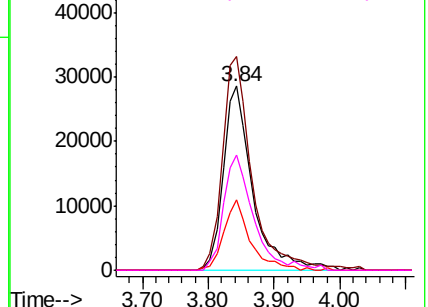
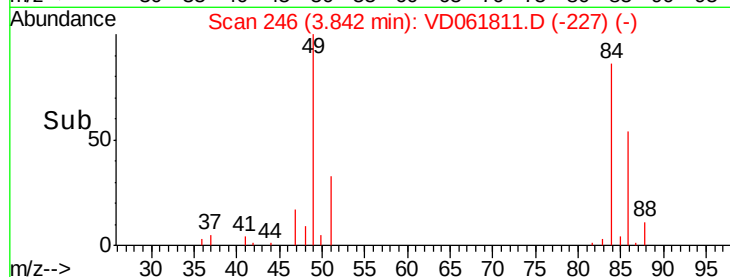


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 614

Delta R.T. -0.03 min

Lab File: VD061811.D

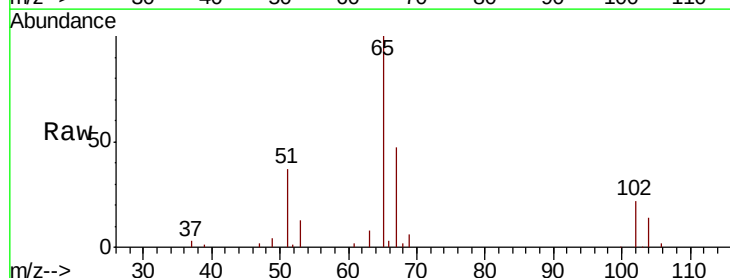
Acq: 16 Apr 2019 15:11

Tgt Ion: 65 Resp: 213732

Ion Ratio Lower Upper

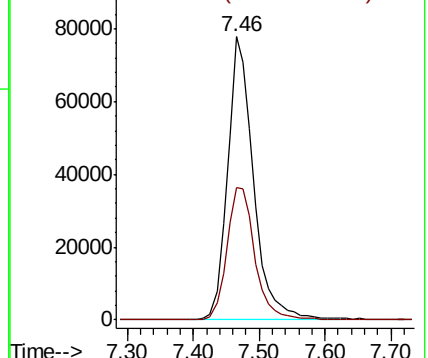
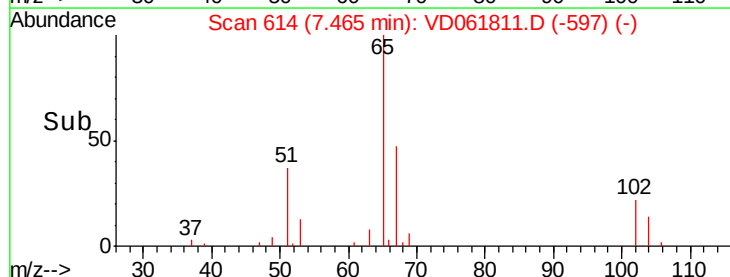
65 100

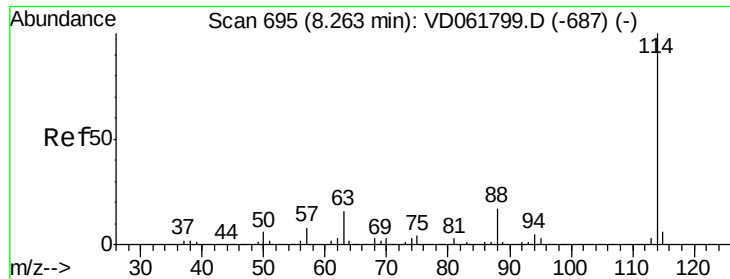
67 46.9 0.0 98.0



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# 692

Delta R.T. -0.03 min

Lab File: VD061811.D

Acq: 16 Apr 2019 15:11

Instrument :

MSVOA_D

ClientSampleId :

HD-02-041119

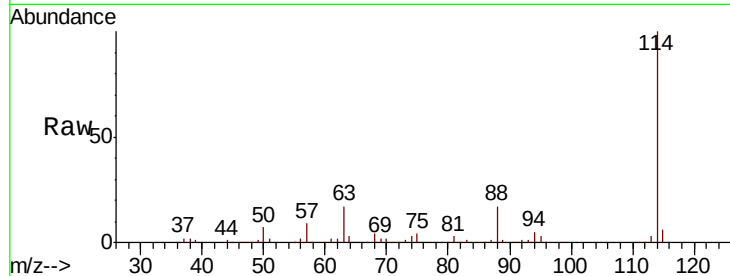
Tgt Ion:114 Resp: 997548

Ion Ratio Lower Upper

114 100

63 16.6 0.0 32.4

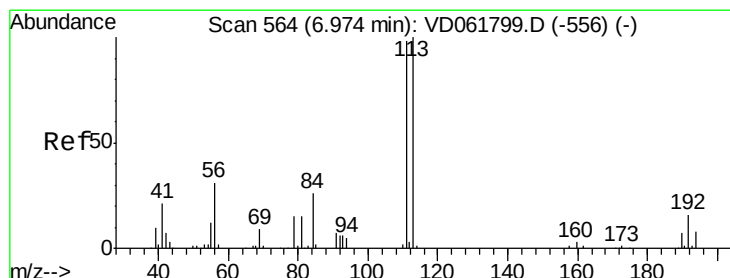
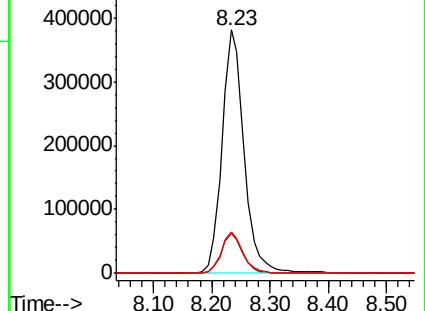
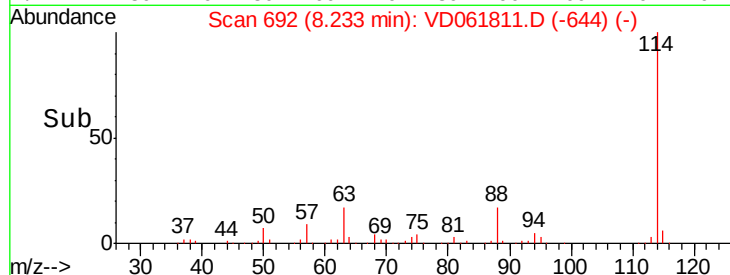
88 17.0 0.0 33.6



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: 6.94 min Scan# 561

Delta R.T. -0.03 min

Lab File: VD061811.D

Acq: 16 Apr 2019 15:11

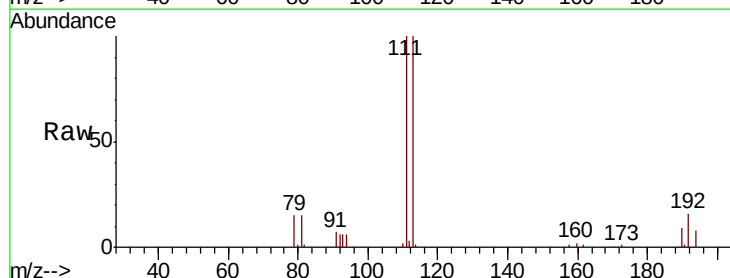
Tgt Ion:113 Resp: 309654

Ion Ratio Lower Upper

113 100

111 100.0 78.5 117.7

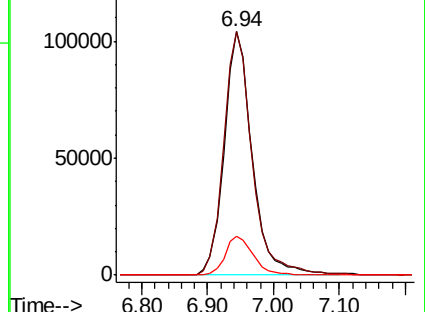
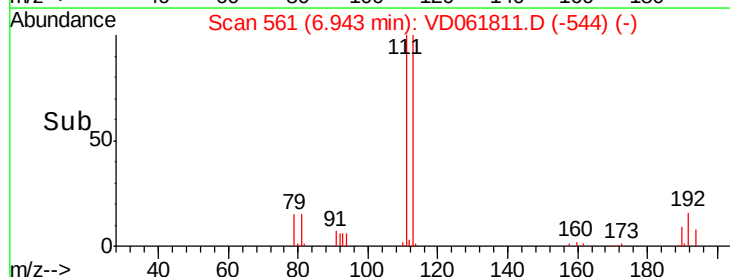
192 16.2 13.0 19.4

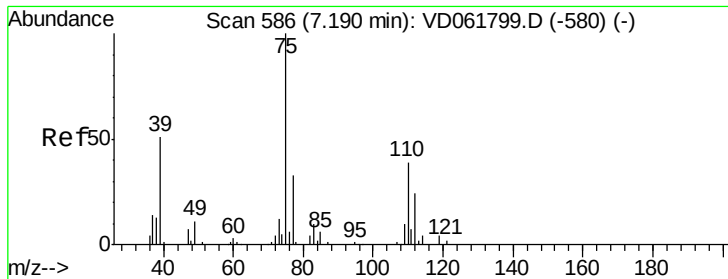


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

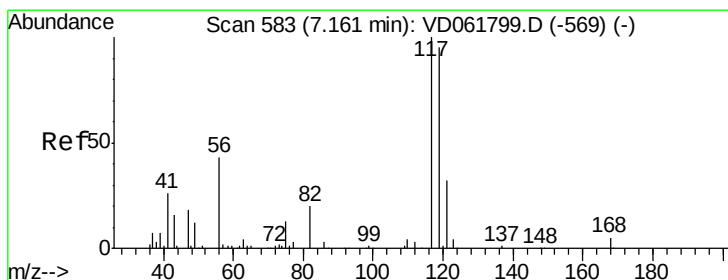
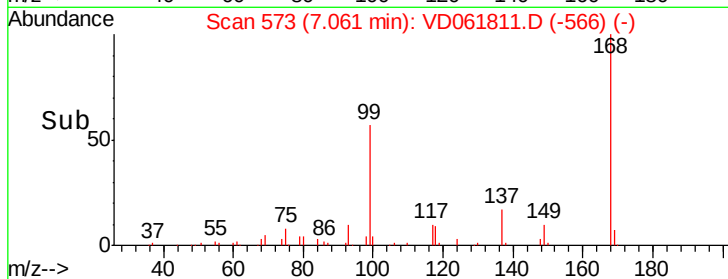
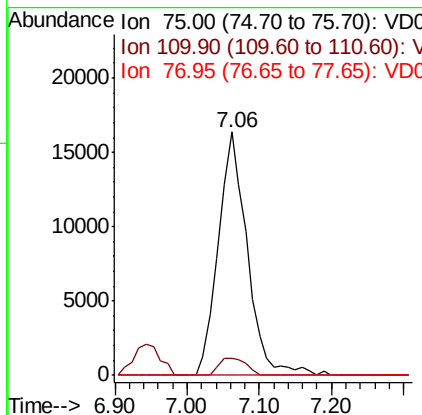
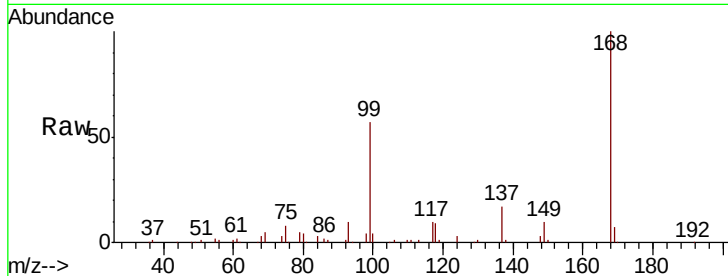




#36
 1,1-Dichloropropene
 Concen: 5.587 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.13 min
 Lab File: VD061811.D
 Acq: 16 Apr 2019 15:11

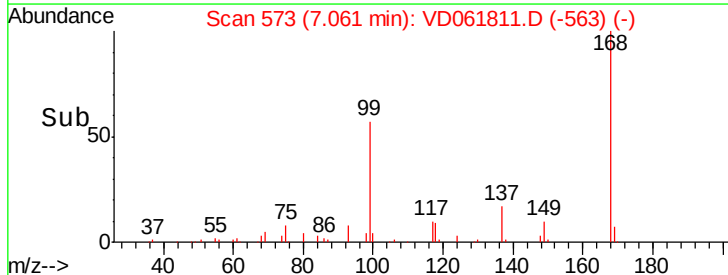
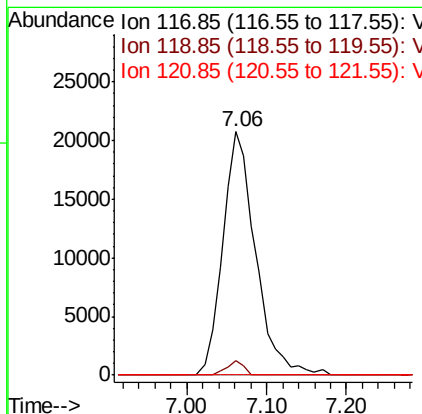
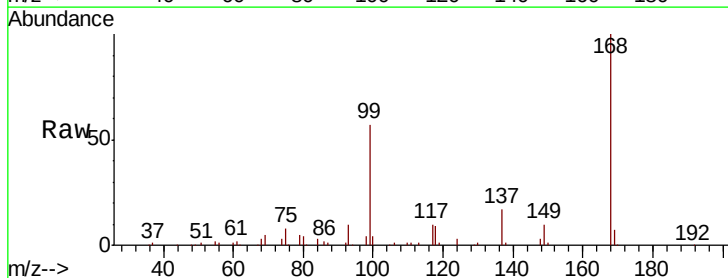
Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-041119

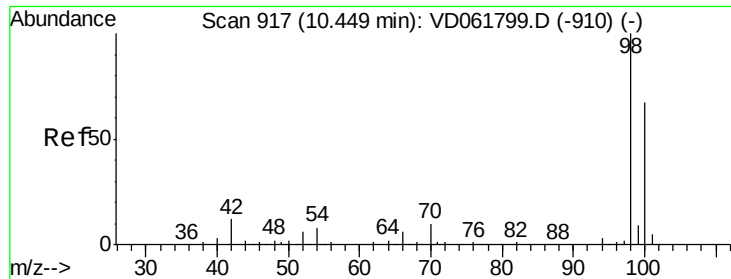
Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.8	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.807 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.10 min
 Lab File: VD061811.D
 Acq: 16 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	75.8	113.8#
121	0.0	25.9	38.9#

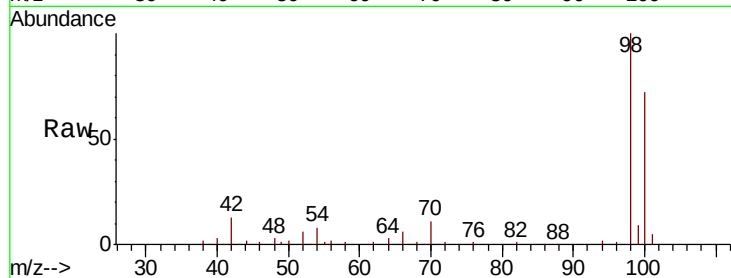




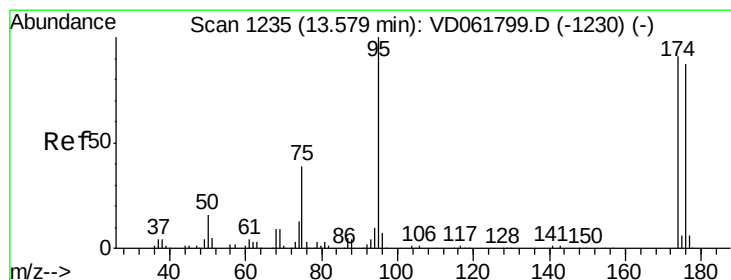
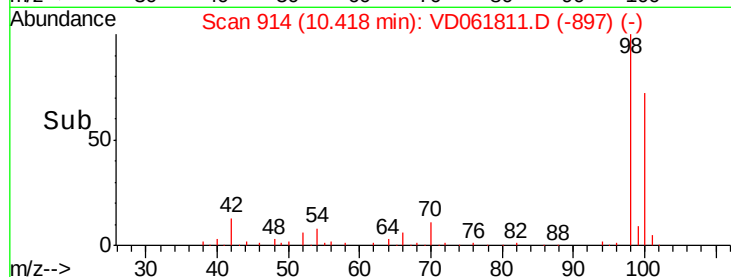
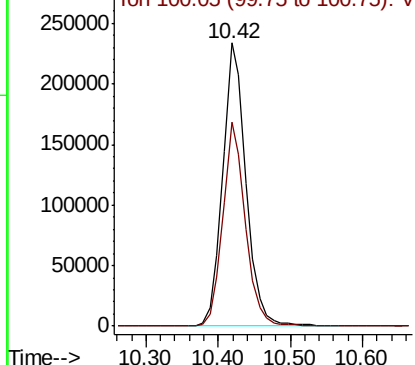
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.03 min
Lab File: VD061811.D
Acq: 16 Apr 2019 15:11

Instrument :
MSVOA_D
ClientSampleId :
HD-02-041119

Tgt Ion: 98 Resp: 521034
Ion Ratio Lower Upper
98 100
100 71.9 53.8 80.8

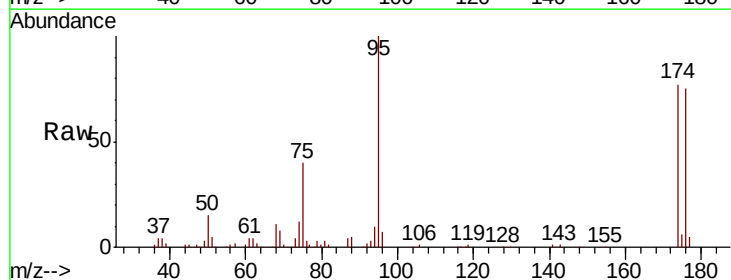


Abundance Ion 98.05 (97.75 to 98.75): VD061799.D (-910) (-)
Ion 100.05 (99.75 to 100.75): VD061799.D (-910) (-)

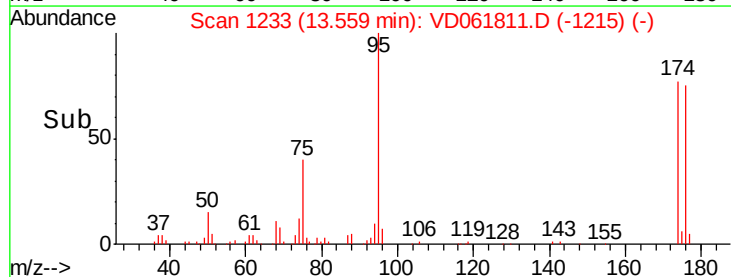
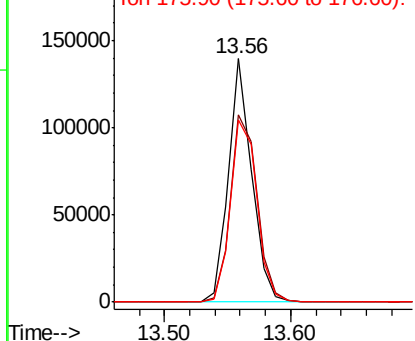


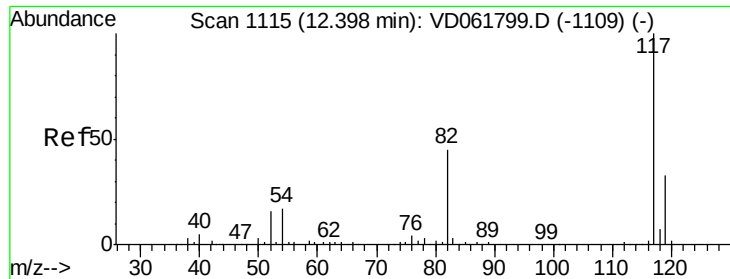
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.02 min
Lab File: VD061811.D
Acq: 16 Apr 2019 15:11

Tgt Ion: 95 Resp: 177365
Ion Ratio Lower Upper
95 100
174 76.7 0.0 181.8
176 74.9 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061799.D (-1230) (-)
Ion 173.90 (173.60 to 174.60): VD061799.D (-1230) (-)
Ion 175.90 (175.60 to 176.60): VD061799.D (-1230) (-)

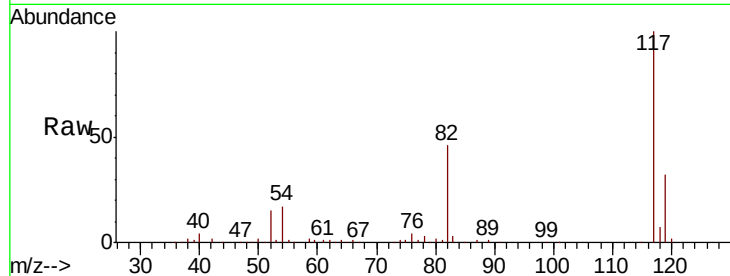




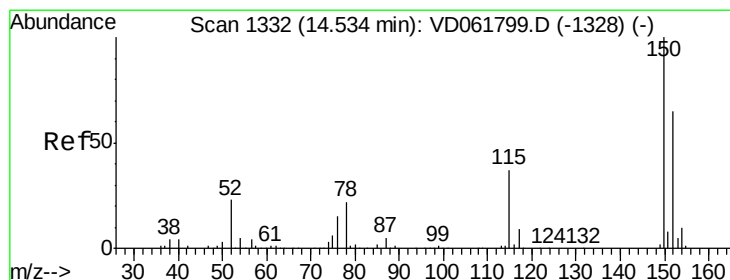
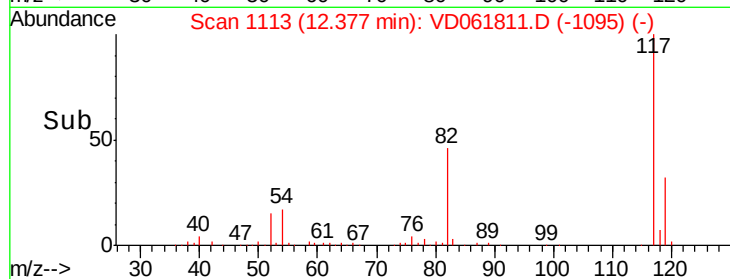
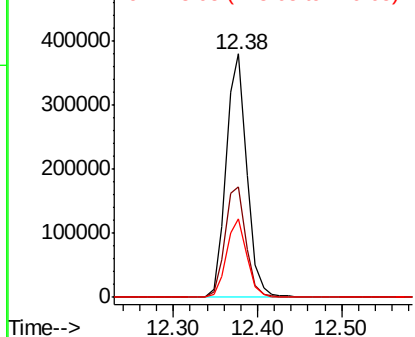
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VD061811.D
Acq: 16 Apr 2019 15:11

Instrument :
MSVOA_D
ClientSampleId :
HD-02-041119

Tgt Ion:117 Resp: 644666
Ion Ratio Lower Upper
117 100
82 45.6 36.2 54.2
119 32.4 26.2 39.4

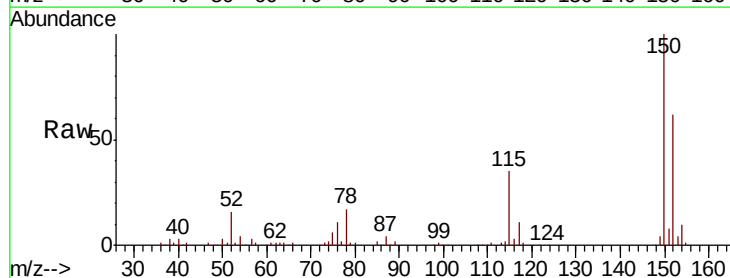


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

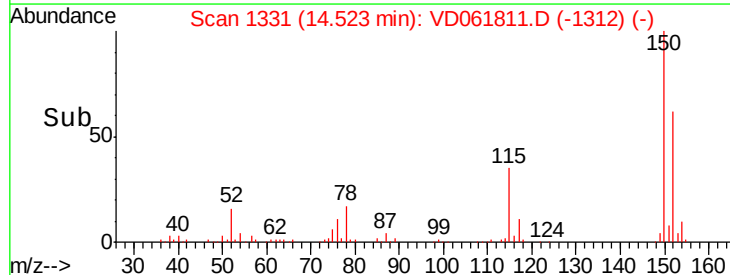
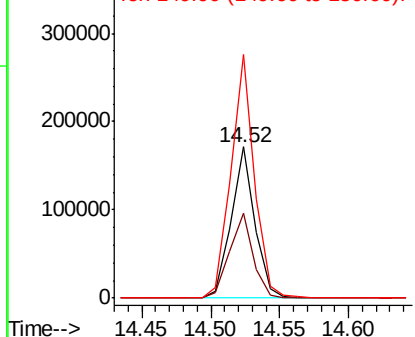


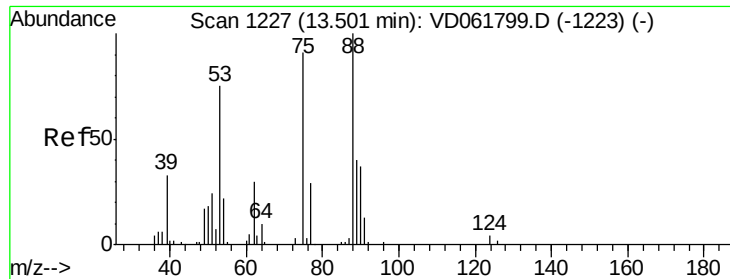
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VD061811.D
Acq: 16 Apr 2019 15:11

Tgt Ion:152 Resp: 202715
Ion Ratio Lower Upper
152 100
115 56.3 30.9 92.7
150 161.3 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

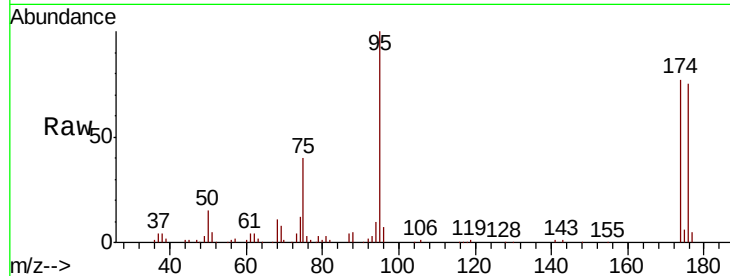




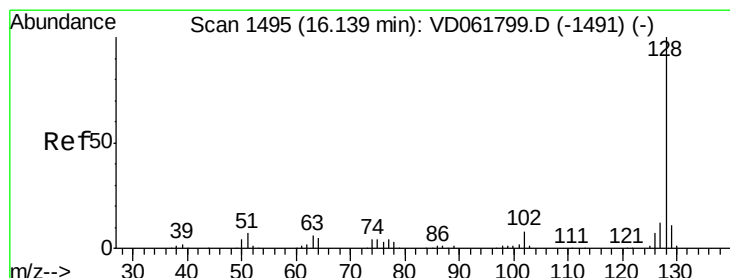
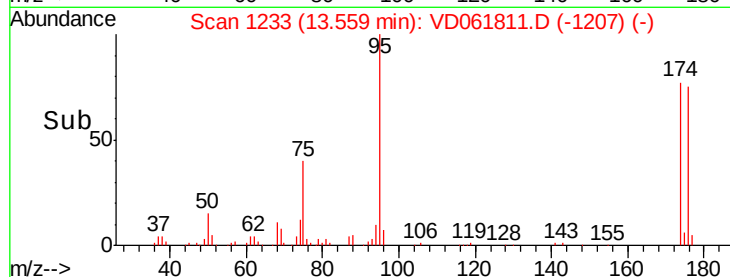
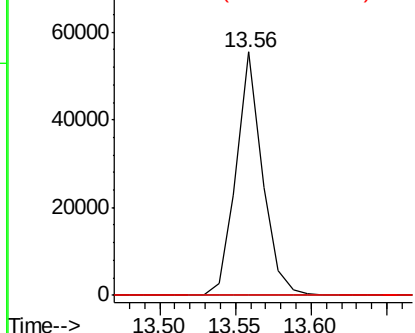
#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.423 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.06 min
 Lab File: VD061811.D
 Acq: 16 Apr 2019 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-041119

Tgt Ion: 75 Resp: 66642
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

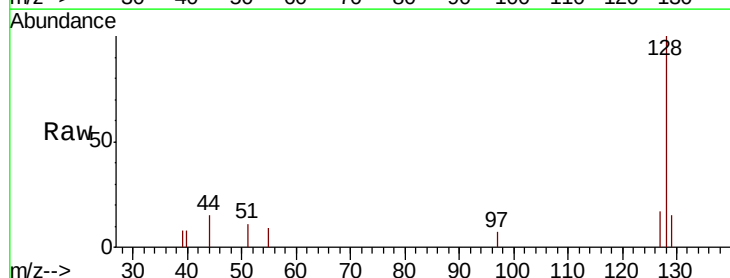


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 53.00 (52.70 to 53.70): VDC
 Ion 89.00 (88.70 to 89.70): VDC



#95
 Naphthalene
 Concen: 1.017 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. -0.01 min
 Lab File: VD061811.D
 Acq: 16 Apr 2019 15:11

Tgt Ion: 128 Resp: 4675
 Ion Ratio Lower Upper
 128 100
 127 17.1 9.8 14.8#
 129 15.2 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

