

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031119\
 Data File : VD061014.D
 Acq On : 11 Mar 2019 19:52
 Operator : VA/AP
 Sample : K1693-01RE
 Misc : 4.54g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-01-030719-ARE

Quant Time: Mar 12 05:44:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	648480	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1284879	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	1082901	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	483508	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	370403	68.62	ug/l	0.02
Spiked Amount			Recovery	=	137.24%	
35) Dibromofluoromethane	6.93	113	523562	54.91	ug/l	0.00
Spiked Amount			Recovery	=	109.82%	
50) Toluene-d8	10.42	98	1290217	53.88	ug/l	0.02
Spiked Amount			Recovery	=	107.76%	
62) 4-Bromofluorobenzene	13.56	95	523529	56.35	ug/l	0.00
Spiked Amount			Recovery	=	112.70%	

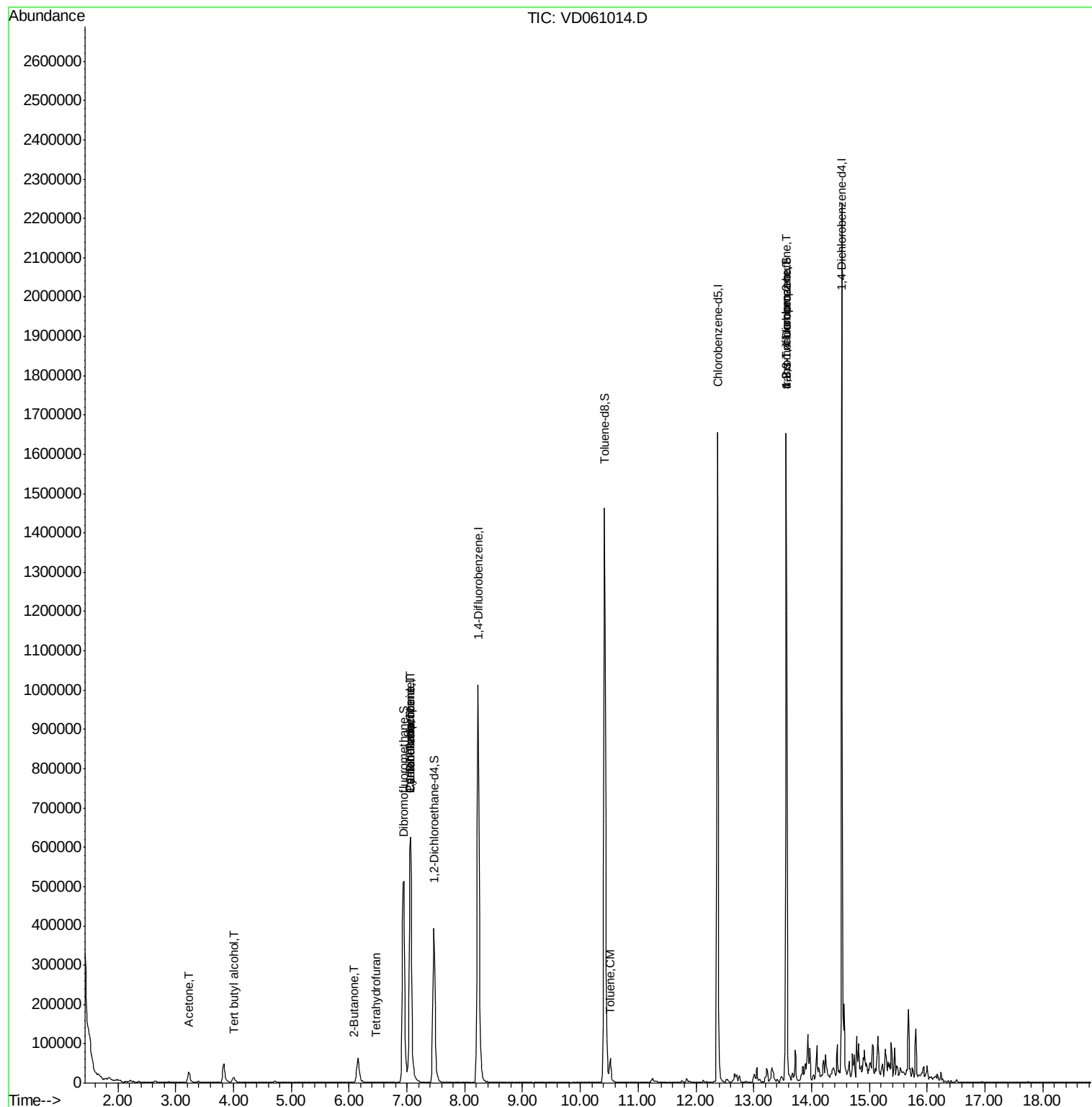
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.20	94	181	Below Cal	#	8
11) Tert butyl alcohol	4.00	59	12668	36.864	ug/l #	75
16) Acetone	3.22	43	52618	34.089	ug/l	98
25) 2-Butanone	6.08	43	5124	2.925	ug/l #	55
29) Tetrahydrofuran	6.47	42	1592	1.674	ug/l #	33
31) Cyclohexane	7.06	56	11312	1.184	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	48660	4.393	ug/l #	48
38) Carbon Tetrachloride	7.06	117	63519	5.206	ug/l #	15
52) Toluene	10.52	92	29462	1.712	ug/l	87
76) 1,2,3-Trichloropropane	13.56	75	150303	21.607	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	197343	96.227	ug/l #	17

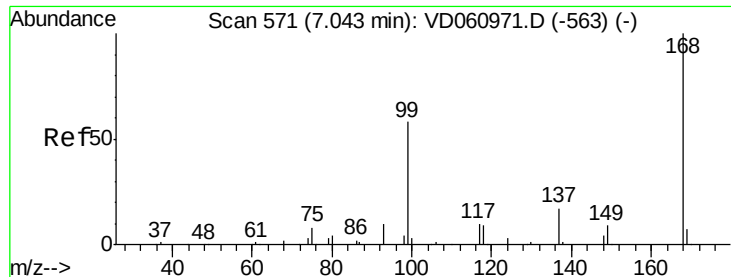
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031119\
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Quant Time: Mar 12 05:44:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061014.D

Acq: 11 Mar 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

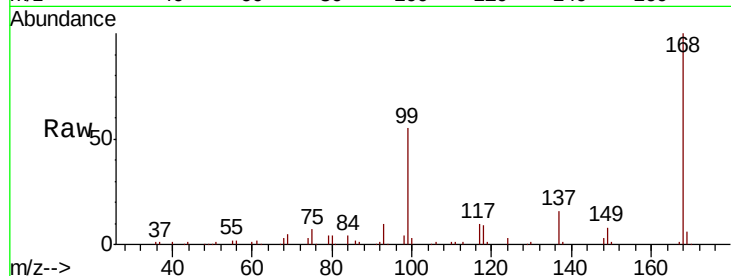
OR-01-030719-ARE

Tot Ion:168 Resp: 648480

Ion Ratio Lower Upper

168 100

99 55.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

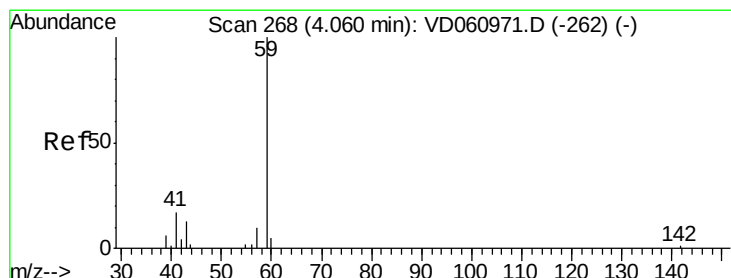
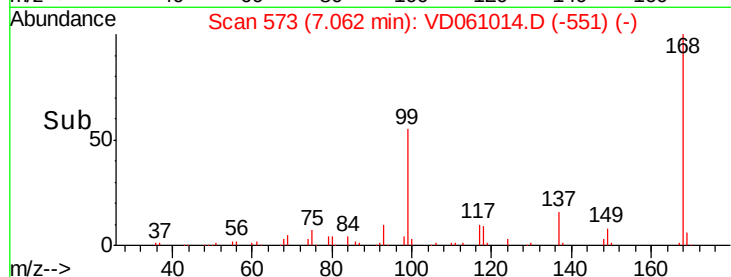
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 36.864 ug/l

RT: 4.00 min Scan# 262

Delta R.T. -0.06 min

Lab File: VD061014.D

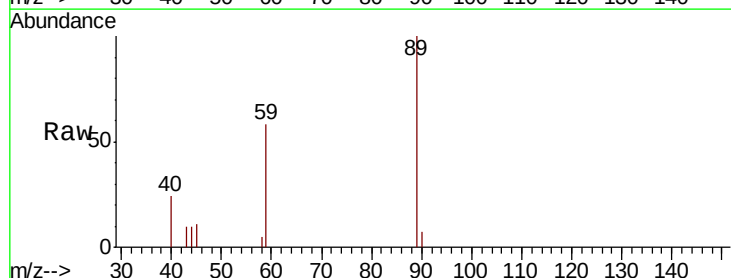
Acq: 11 Mar 2019 19:52

Tgt Ion: 59 Resp: 12668

Ion Ratio Lower Upper

59 100

57 0.0 7.1 10.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.00

4000

3000

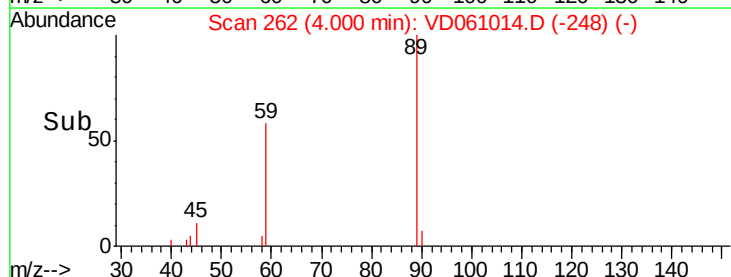
2000

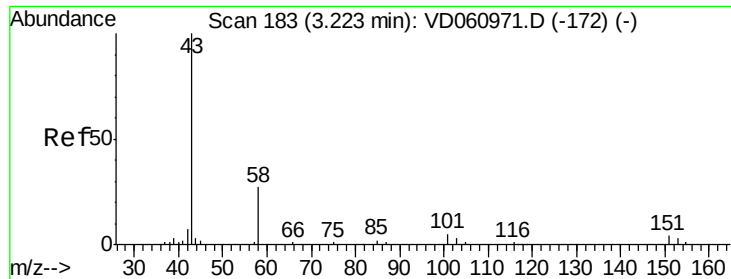
1000

0

Time-->

3.90 4.00 4.10





#16

Acetone

Concen: 34.089 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061014.D

Acq: 11 Mar 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

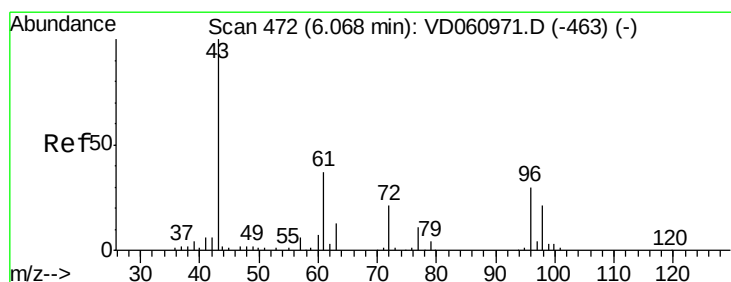
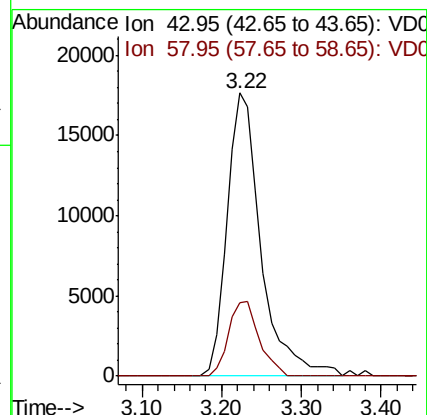
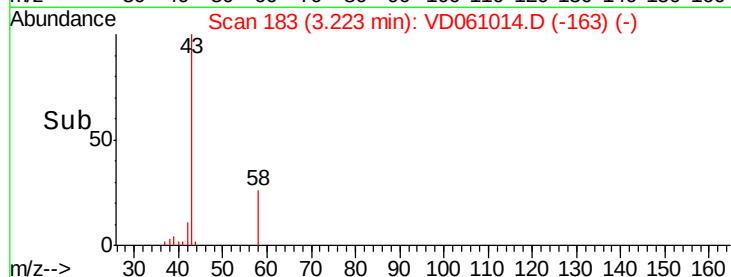
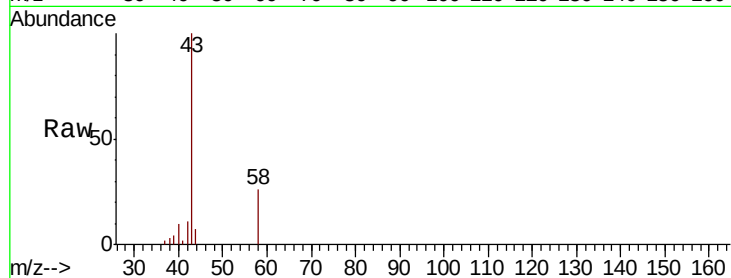
OR-01-030719-ARE

Tot Ion: 43 Resp: 52618

Ion Ratio Lower Upper

43 100

58 25.8 21.6 32.4



#25

2-Butanone

Concen: 2.925 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD061014.D

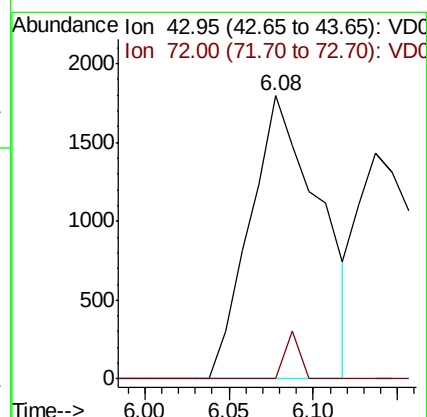
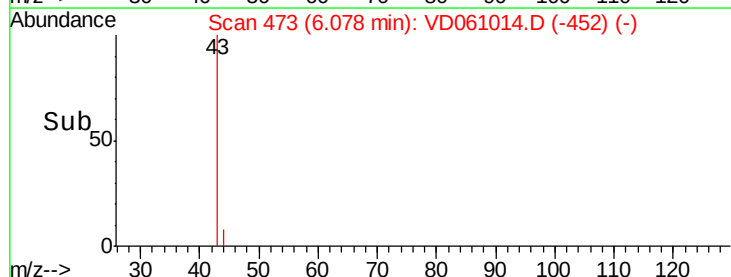
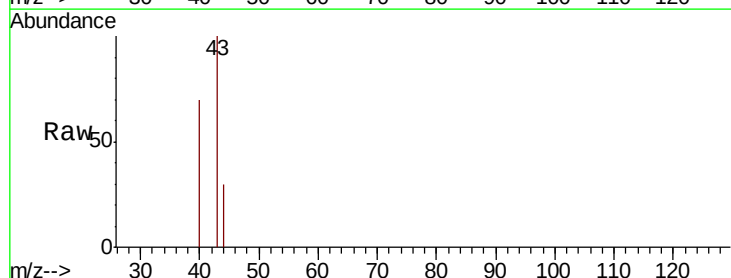
Acq: 11 Mar 2019 19:52

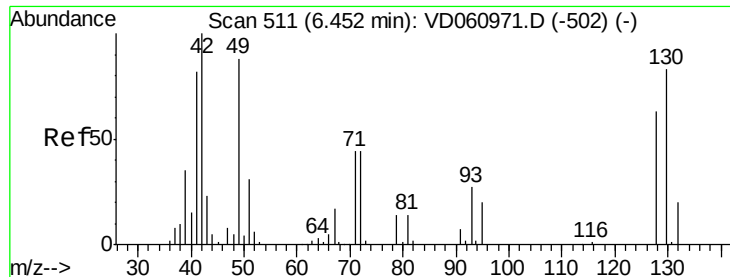
Tgt Ion: 43 Resp: 5124

Ion Ratio Lower Upper

43 100

72 0.0 16.7 25.1#





#29

Tetrahydrofuran

Concen: 1.674 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.02 min

Lab File: VD061014.D

Acq: 11 Mar 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

OR-01-030719-ARE

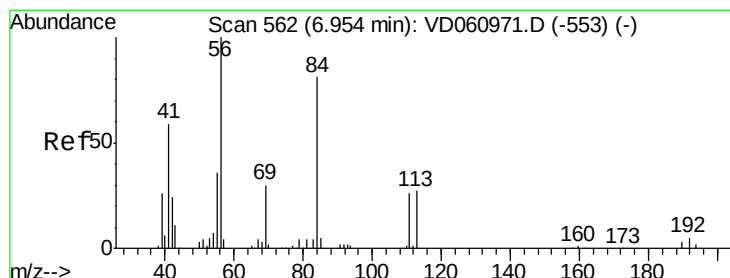
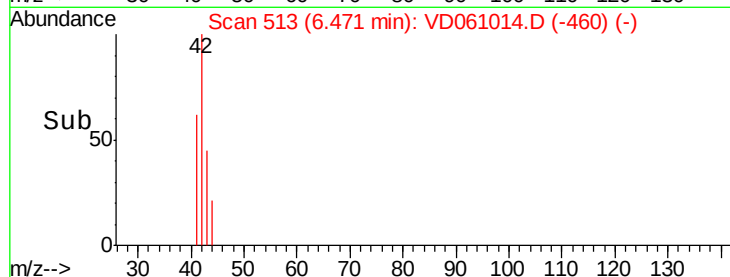
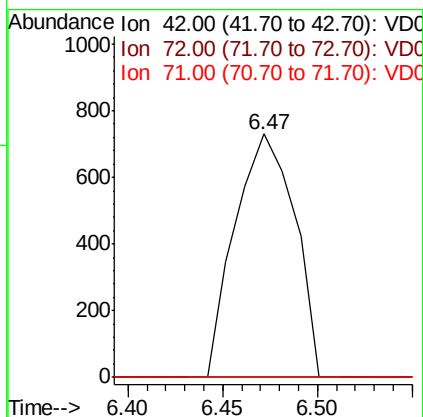
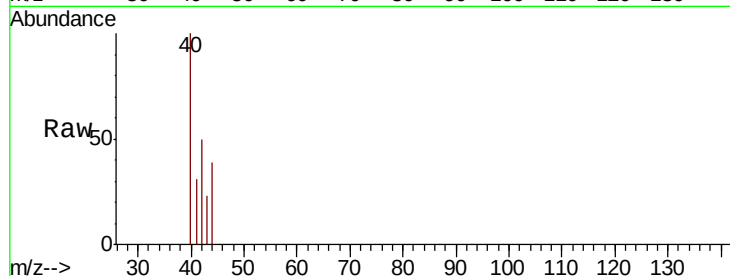
Tot Ion: 42 Resp: 1592

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 0.0 33.8 50.6#



#31

Cyclohexane

Concen: 1.184 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.11 min

Lab File: VD061014.D

Acq: 11 Mar 2019 19:52

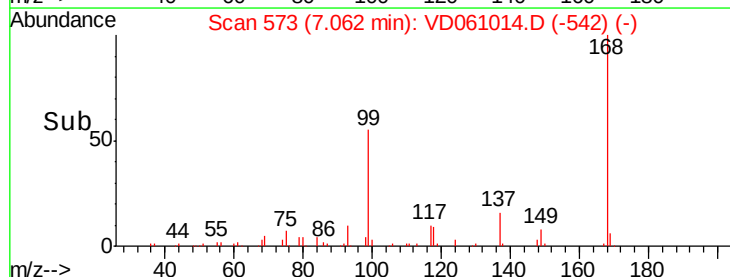
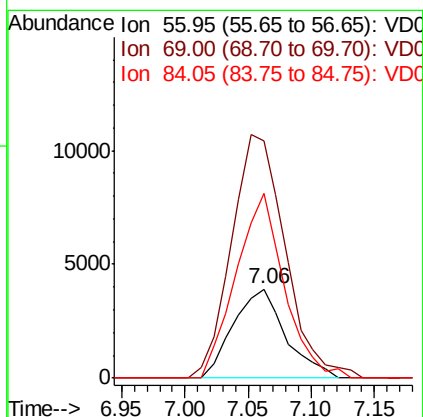
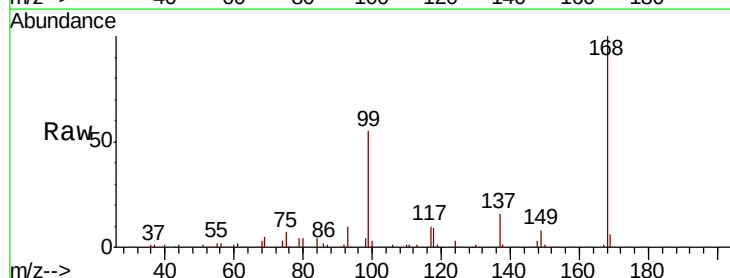
Tgt Ion: 56 Resp: 11312

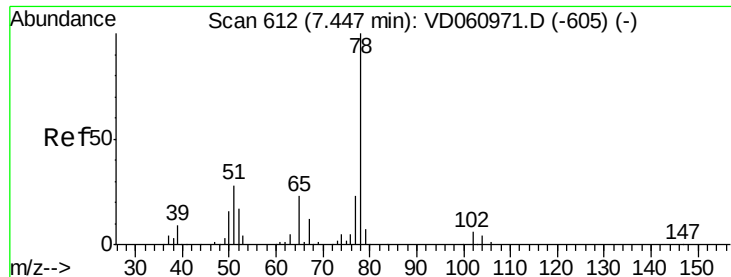
Ion Ratio Lower Upper

56 100

69 266.8 24.0 36.0#

84 206.9 65.8 98.6#

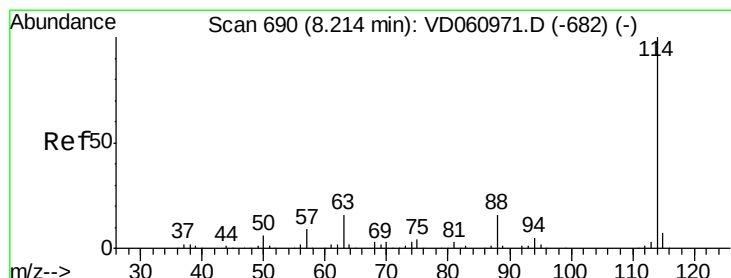
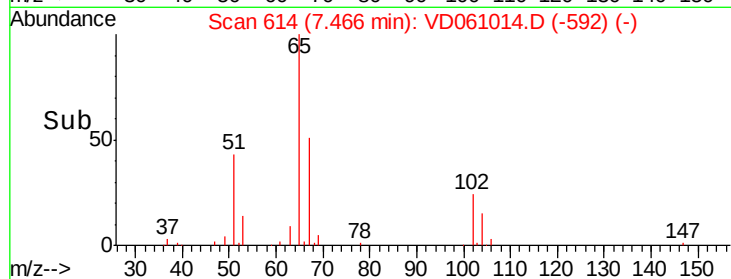
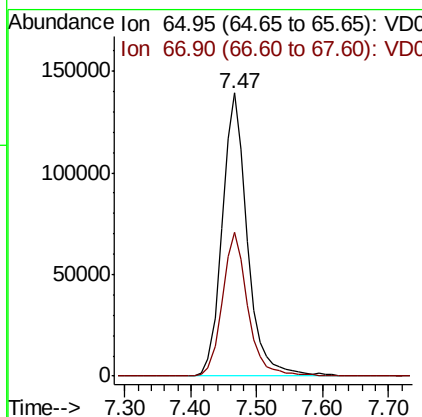
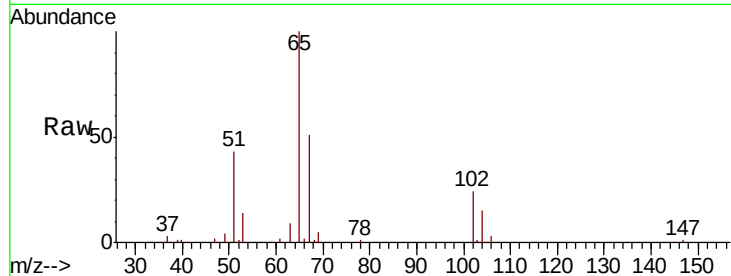




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD061014.D
 Acq: 11 Mar 2019 19:52

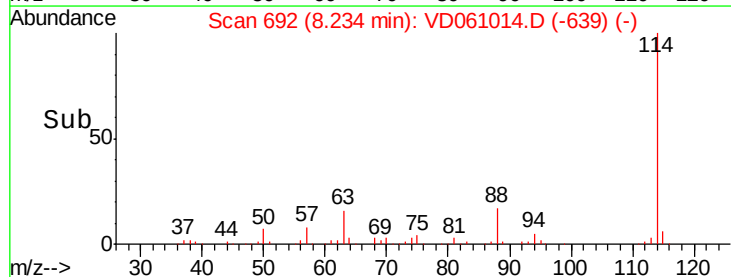
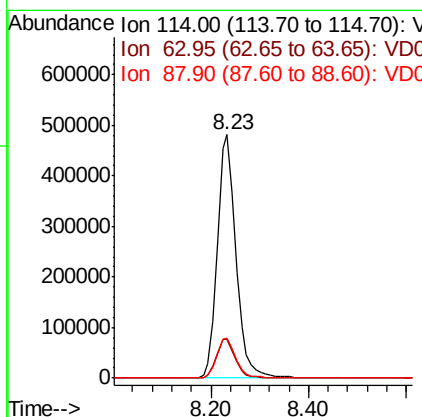
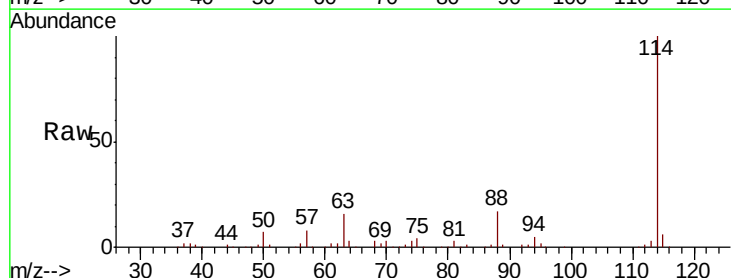
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-01-030719-ARE

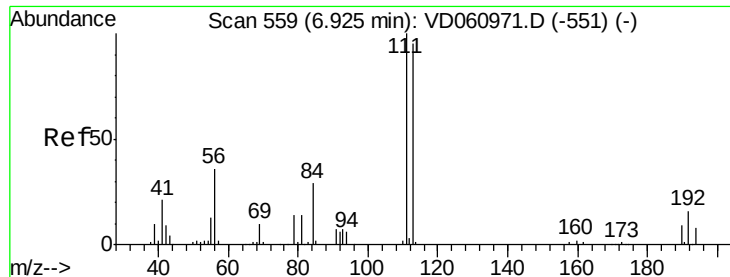
Tot Ion: 65 Resp: 370403
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD061014.D
 Acq: 11 Mar 2019 19:52

Tgt Ion: 114 Resp: 1284879
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 31.4
 88 16.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061014.D

Acq: 11 Mar 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

OR-01-030719-ARE

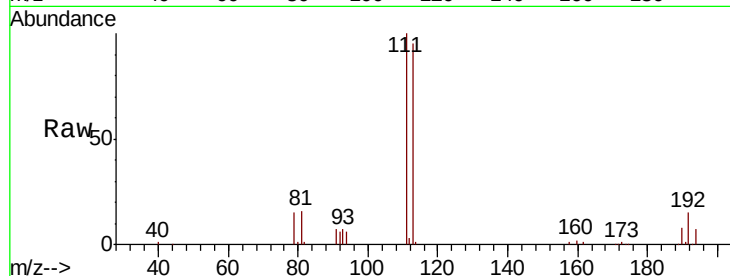
Tot Ion:113 Resp: 523562

Ion Ratio Lower Upper

113 100

111 104.8 84.2 126.4

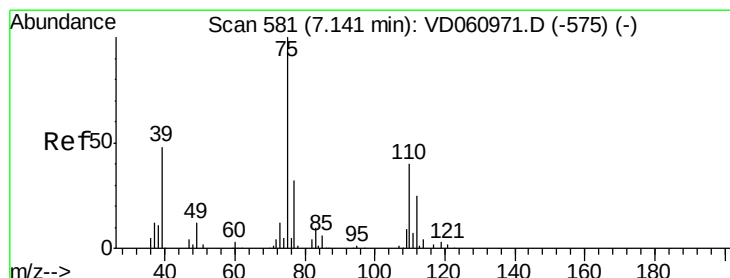
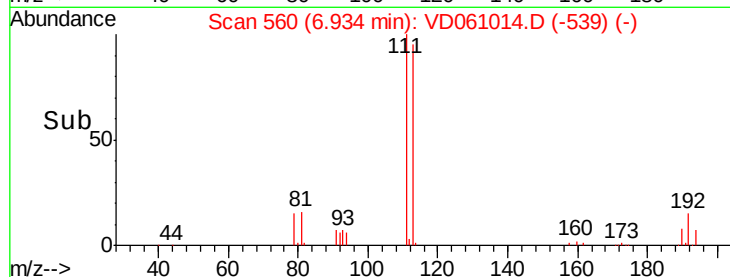
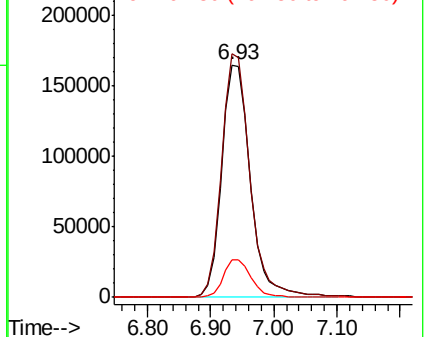
192 16.0 13.1 19.7



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: 4.393 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD061014.D

Acq: 11 Mar 2019 19:52

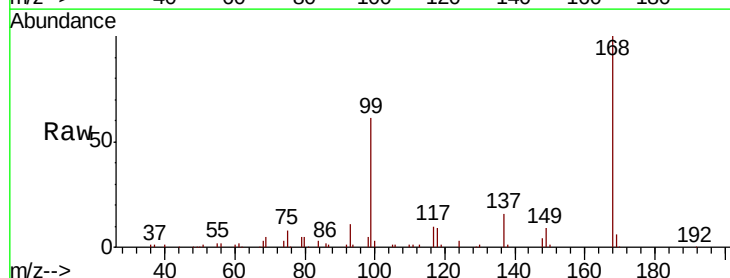
Tgt Ion: 75 Resp: 48660

Ion Ratio Lower Upper

75 100

110 9.4 19.7 59.1#

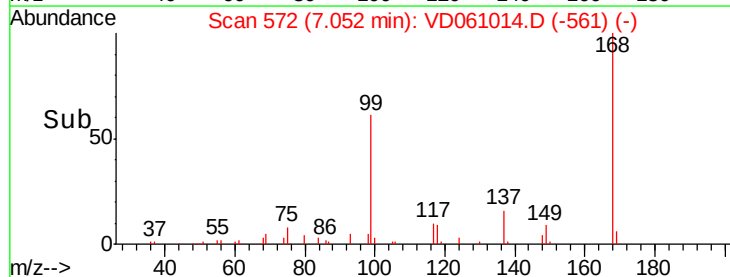
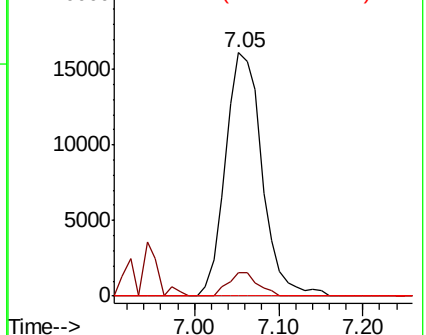
77 0.0 24.7 37.1#

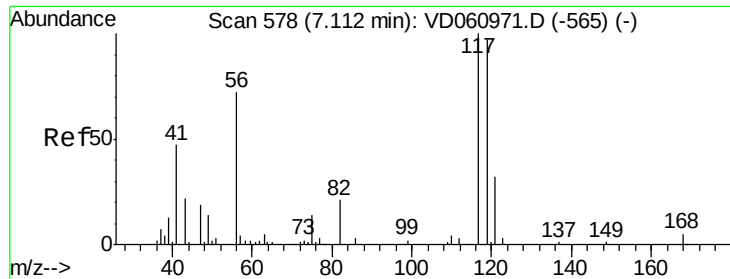


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

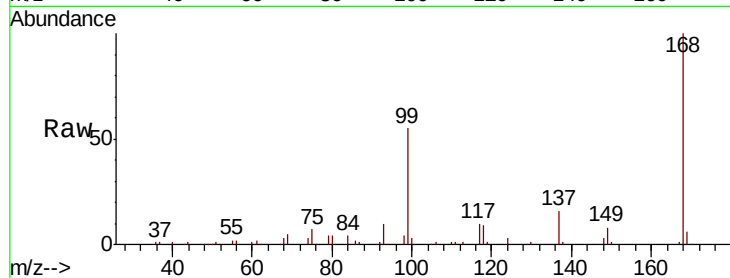




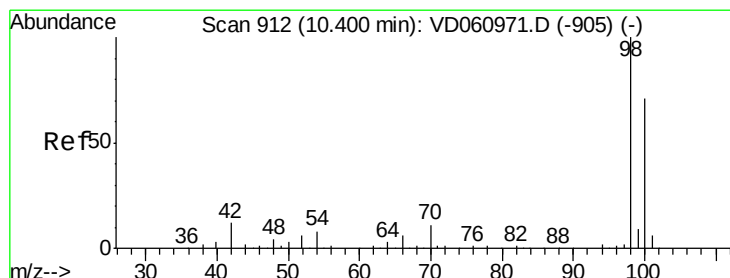
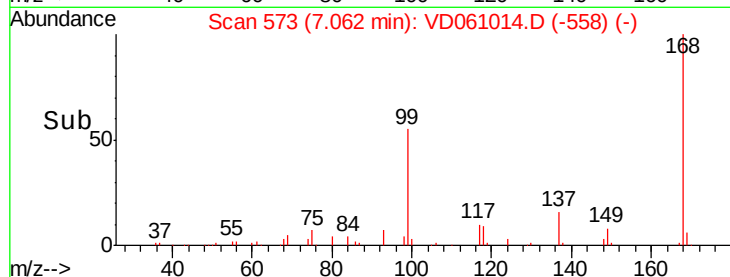
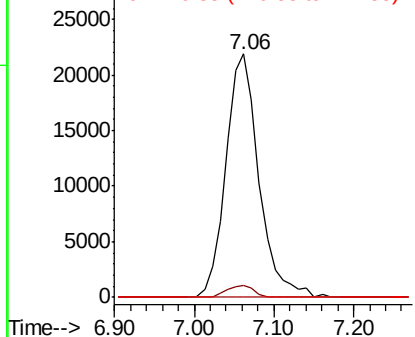
#38
Carbon Tetrachloride
Concen: 5.206 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.05 min
Lab File: VD061014.D
Acq: 11 Mar 2019 19:52

Instrument :
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ClientSampleId :
OR-01-030719-ARE

Tot Ion:117 Resp: 63519
Ion Ratio Lower Upper
117 100
119 5.1 77.8 116.8#
121 0.0 25.3 37.9#

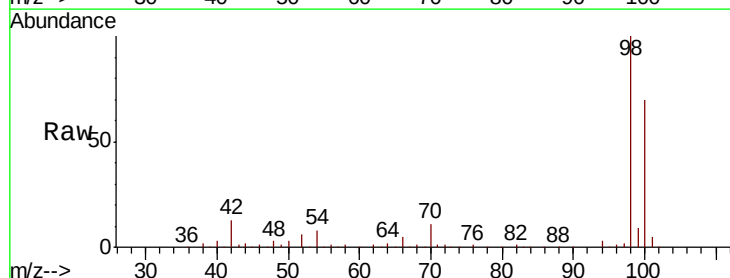


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

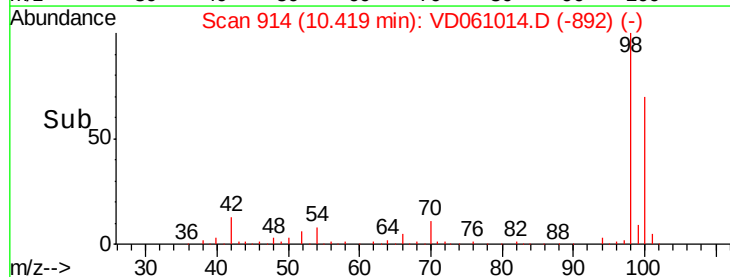
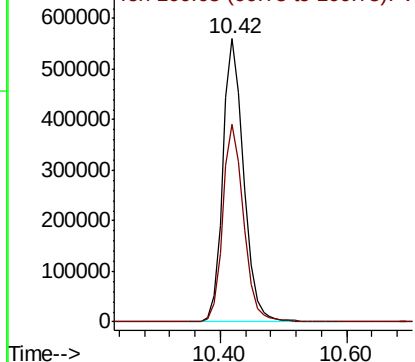


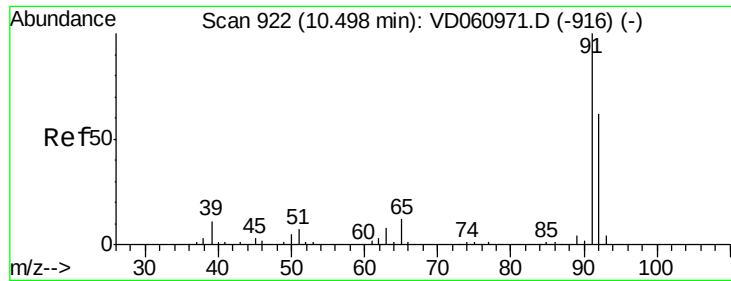
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061014.D
Acq: 11 Mar 2019 19:52

Tgt Ion: 98 Resp: 1290217
Ion Ratio Lower Upper
98 100
100 69.8 57.4 86.2



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





#52

Toluene

Concen: 1.712 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD061014.D

Acq: 11 Mar 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

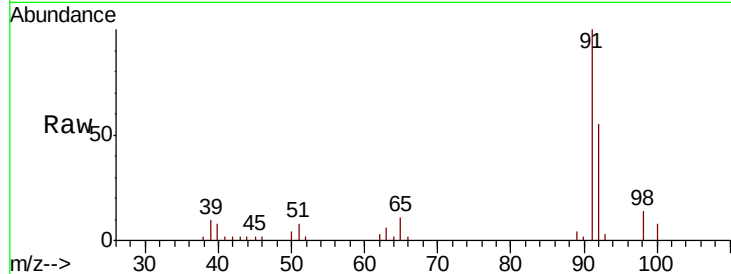
OR-01-030719-ARE

Tot Ion: 92 Resp: 29462

Ion Ratio Lower Upper

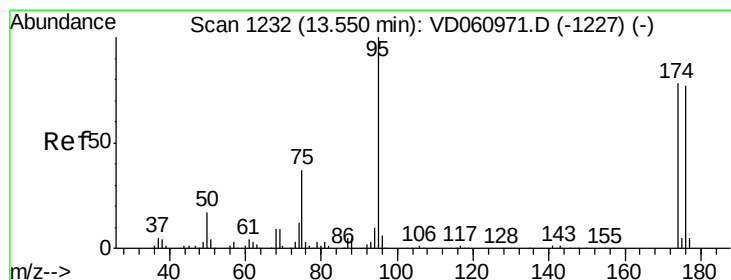
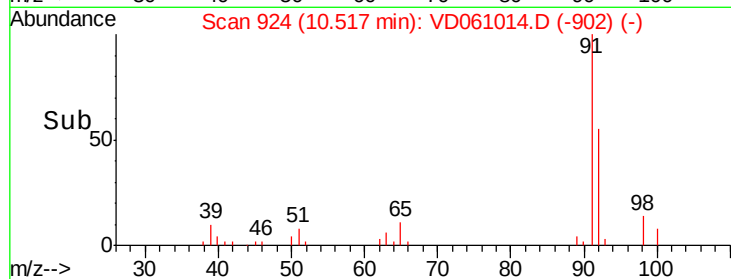
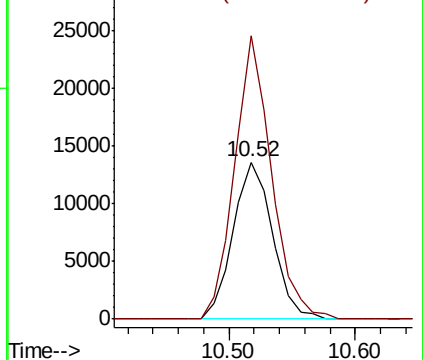
92 100

91 180.2 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061014.D

Acq: 11 Mar 2019 19:52

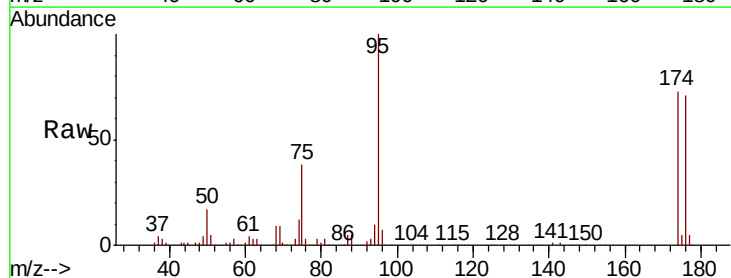
Tgt Ion: 95 Resp: 523529

Ion Ratio Lower Upper

95 100

174 73.0 0.0 155.6

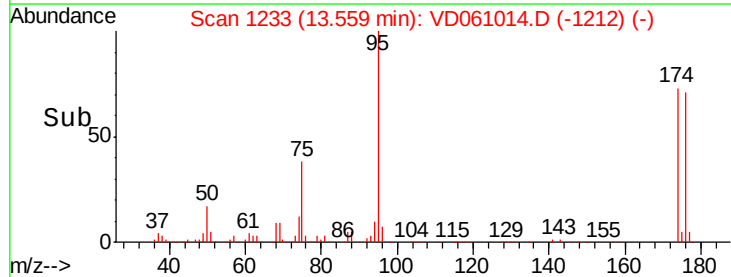
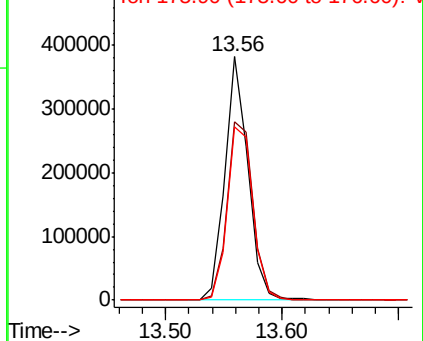
176 71.0 0.0 153.8

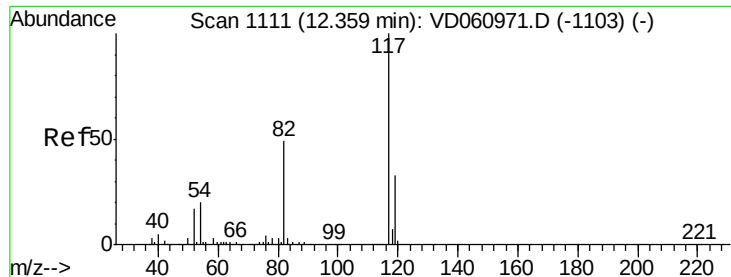


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

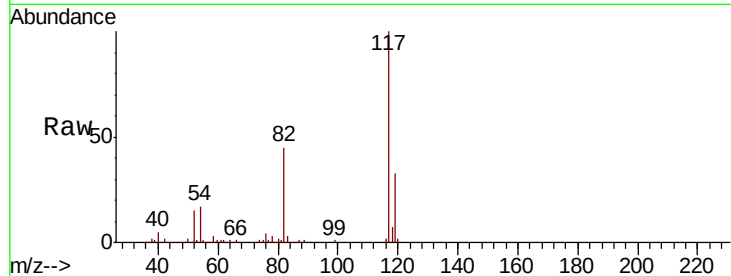




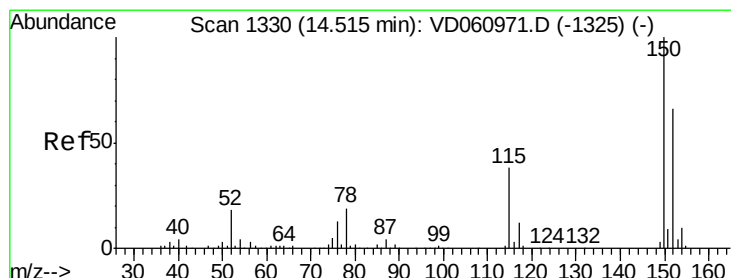
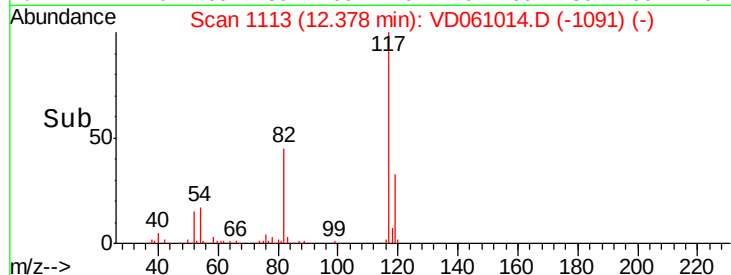
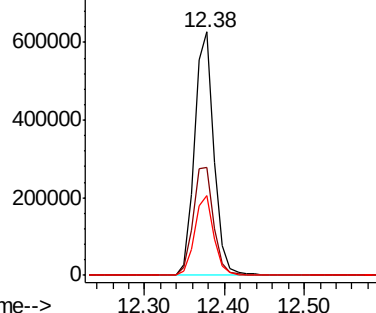
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061014.D
Acq: 11 Mar 2019 19:52

Instrument :
MSVOA_D
ClientSampleId :
OR-01-030719-ARE

Tot Ion:117 Resp: 1082901
Ion Ratio Lower Upper
117 100
82 44.5 38.9 58.3
119 32.9 26.6 39.8

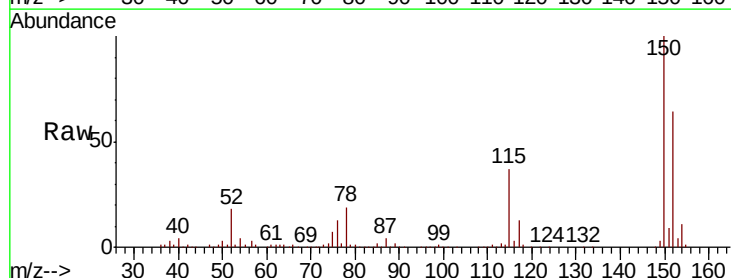


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

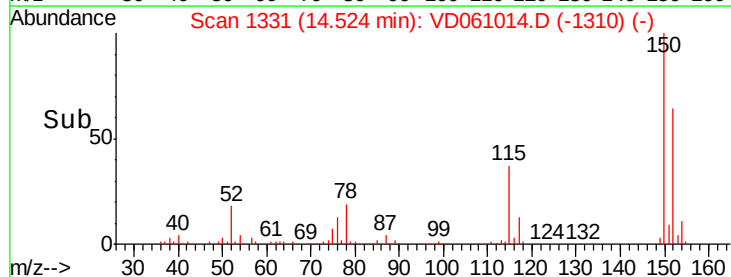
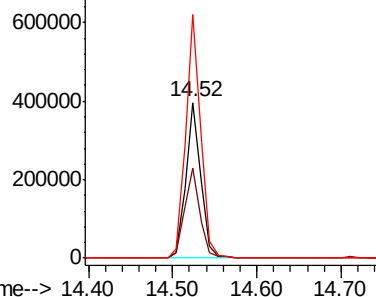


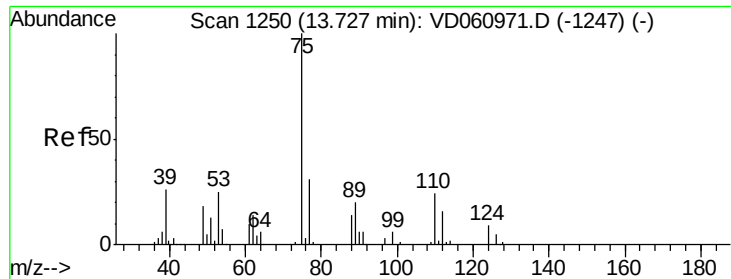
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061014.D
Acq: 11 Mar 2019 19:52

Tgt Ion:152 Resp: 483508
Ion Ratio Lower Upper
152 100
115 57.9 28.6 85.9
150 156.4 0.0 310.6



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

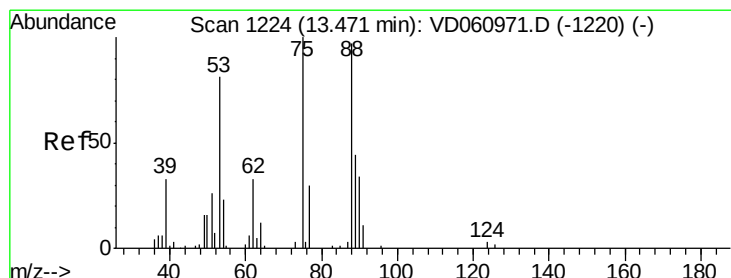
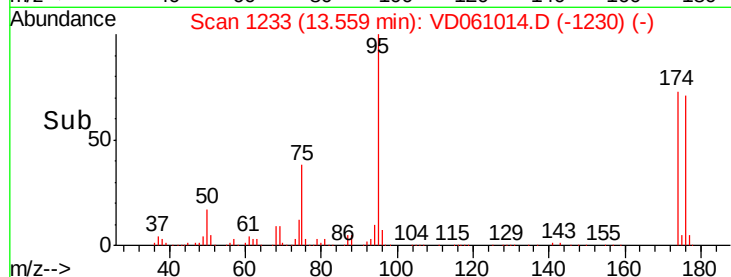
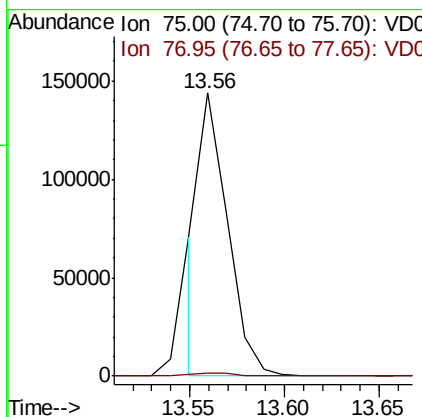
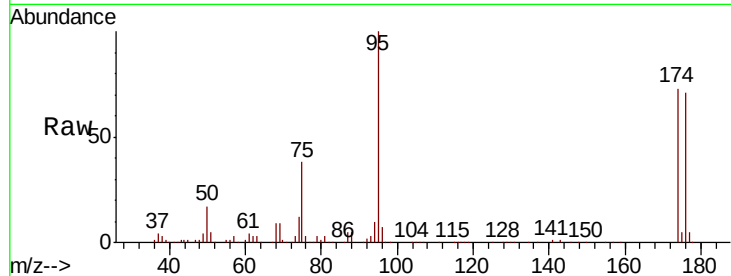




#76
 1,2,3-Trichloropropane
 Concen: 21.607 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.17 min
 Lab File: VD061014.D
 Acq: 11 Mar 2019 19:52

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-01-030719-ARE

Tot Ion: 75 Resp: 150303
 Ion Ratio Lower Upper
 75 100
 77 1.3 16.6 49.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.227 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD061014.D
 Acq: 11 Mar 2019 19:52

Tgt Ion: 75 Resp: 197343
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#

