

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061235.D
 Acq On : 21 Mar 2019 5:34
 Operator : VA/AP
 Sample : K1688-37
 Misc : 5.62g/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 02:08:14 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

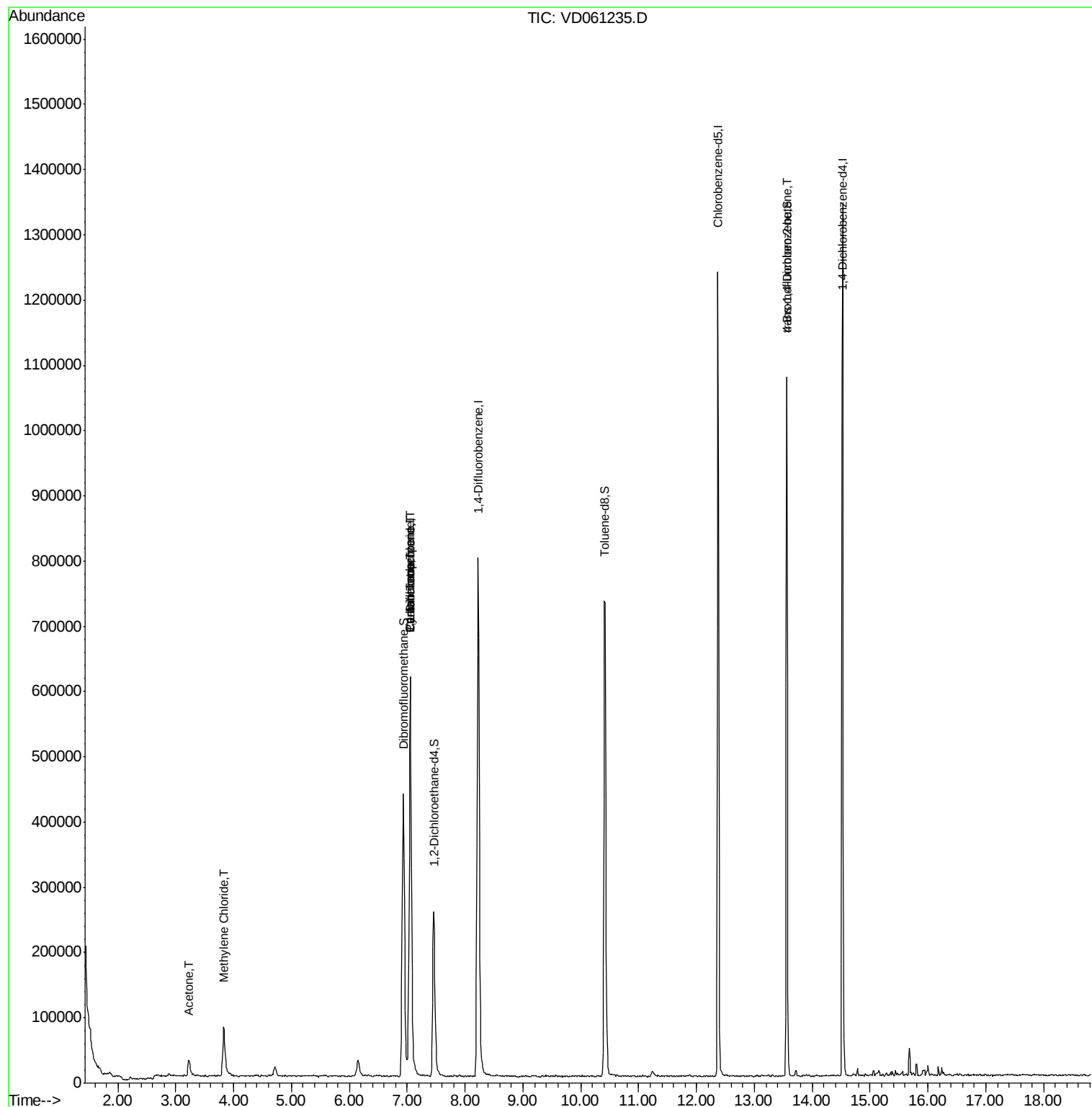
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	618737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	986474	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	766958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	321812	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	252336	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	6.93	113	409326	55.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.82%	
50) Toluene-d8	10.42	98	649833	35.35	ug/l	0.02
Spiked Amount	50.000		Recovery	=	70.70%	
62) 4-Bromofluorobenzene	13.56	95	330485	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	
Target Compounds						
					Qvalue	
16) Acetone	3.22	43	54496	37.002	ug/l	99
20) Methylene Chloride	3.82	84	63587	5.300	ug/l	92
31) Cyclohexane	7.05	56	9232	1.013	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	44180	5.196	ug/l #	46
38) Carbon Tetrachloride	7.05	117	59763	6.380	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.56	75	120915	88.584	ug/l #	17

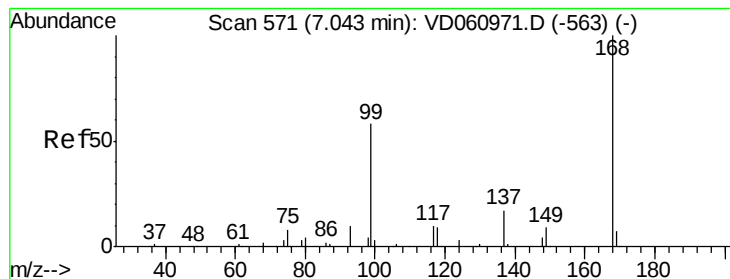
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032019\
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QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061235.D

Acq: 21 Mar 2019 5:34

Instrument :

MSVOA_D

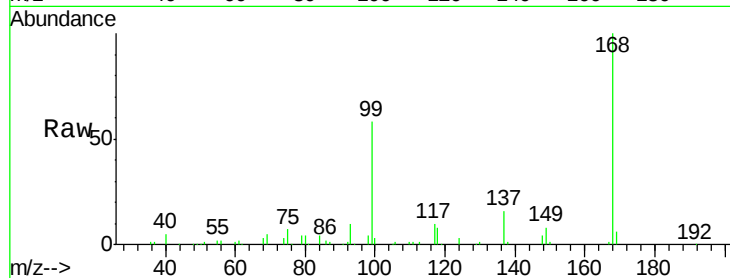
ClientSampleId :

Tot Ion:168 Resp: 618737

Ion Ratio Lower Upper

168 100

99 57.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

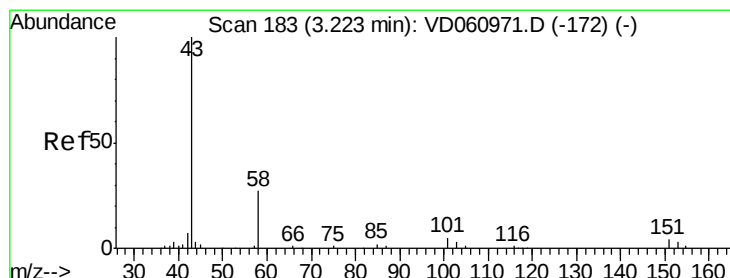
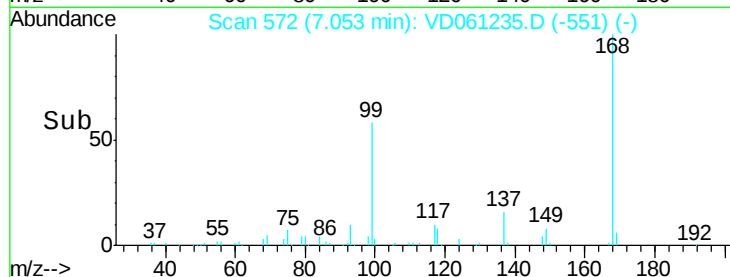
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 37.002 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061235.D

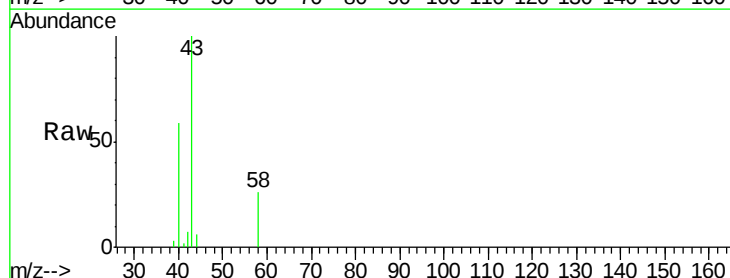
Acq: 21 Mar 2019 5:34

Tgt Ion: 43 Resp: 54496

Ion Ratio Lower Upper

43 100

58 26.4 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

20000

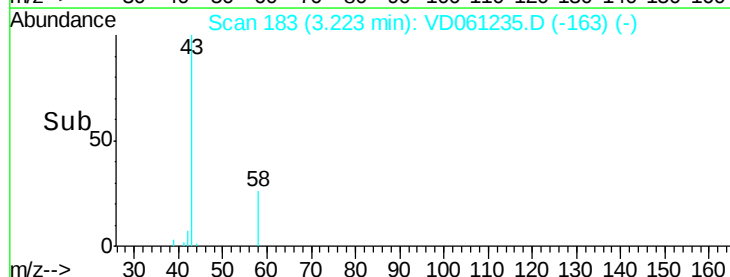
15000

10000

5000

0

Time-->

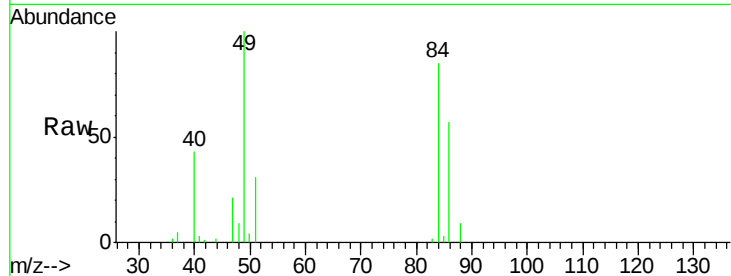




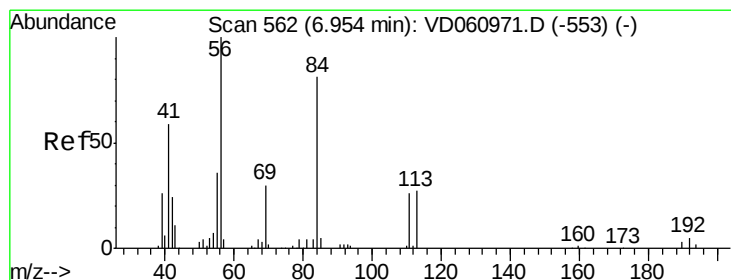
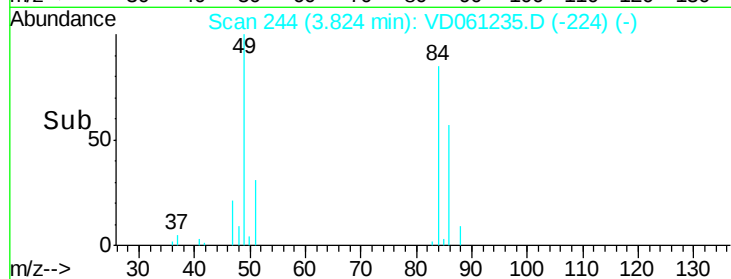
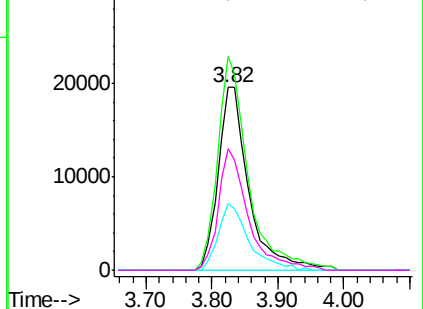
#20
Methvlene Chloride
Concen: 5.300 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD061235.D
Acq: 21 Mar 2019 5:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	63587
Ion	Ratio	Lower	Upper
84	100		
49	117.0	104.2	156.2
51	36.7	32.3	48.5
86	67.0	52.3	78.5

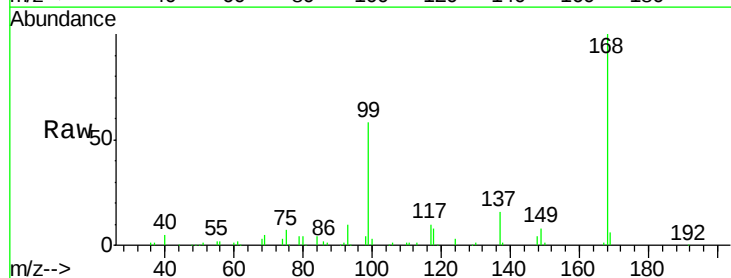


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

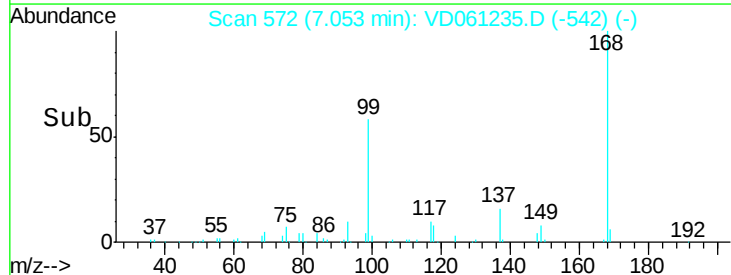
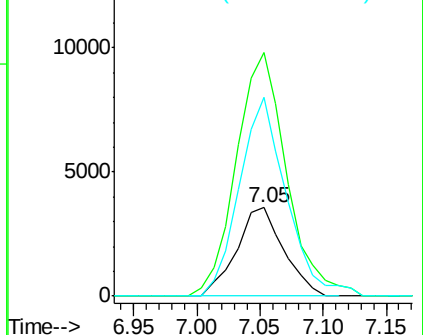


#31
Cyclohexane
Concen: 1.013 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.10 min
Lab File: VD061235.D
Acq: 21 Mar 2019 5:34

Tgt Ion:	56	Resp:	9232
Ion	Ratio	Lower	Upper
56	100		
69	275.1	24.0	36.0#
84	224.1	65.8	98.6#



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





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061235.D

Acq: 21 Mar 2019 5:34

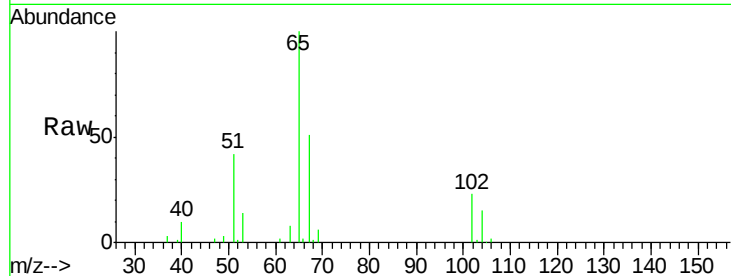
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 252336

Ion Ratio Lower Upper

65 100

67 50.8 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

100000

80000

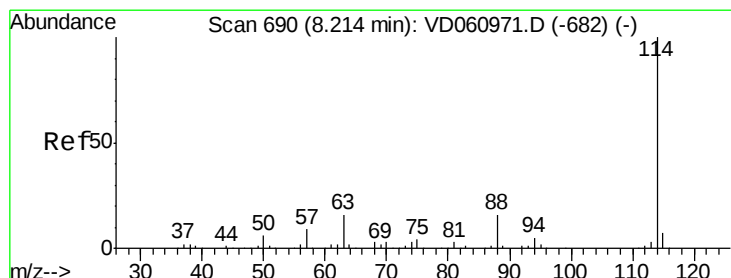
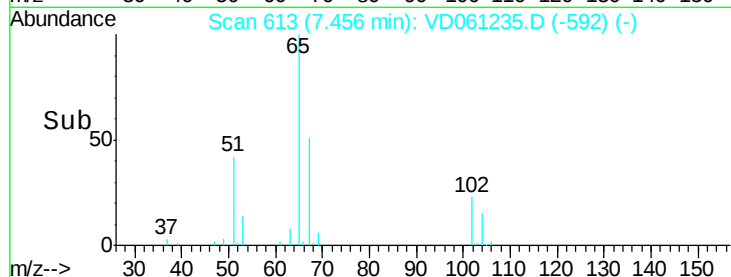
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD061235.D

Acq: 21 Mar 2019 5:34

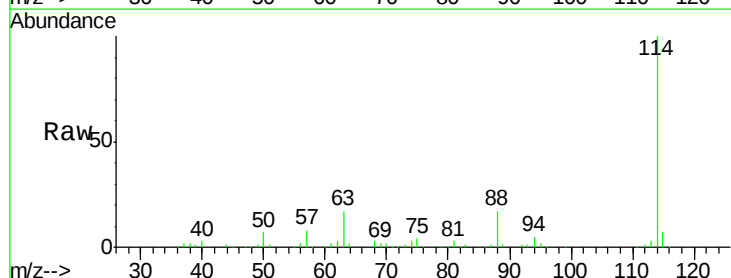
Tgt Ion: 114 Resp: 986474

Ion Ratio Lower Upper

114 100

63 16.6 0.0 31.4

88 16.9 0.0 33.0



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

8.22

500000

400000

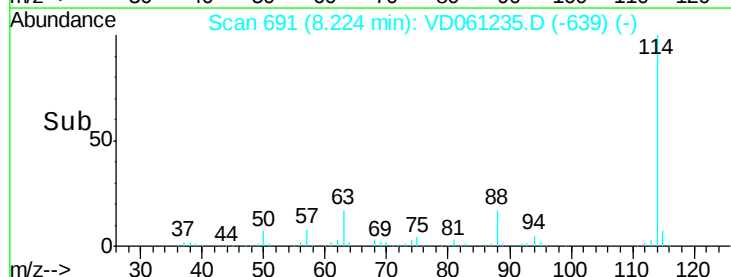
300000

200000

100000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061235.D

Acq: 21 Mar 2019 5:34

Instrument :

MSVOA_D

ClientSampleId :

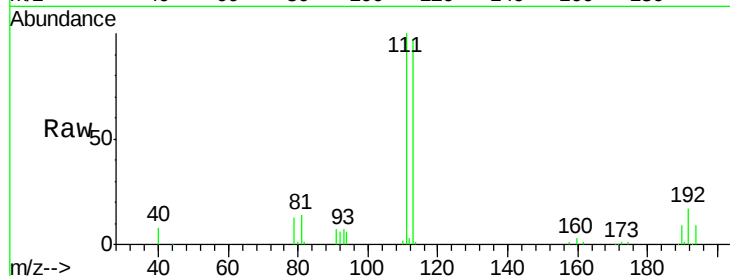
Tot Ion:113 Resp: 409326

Ion Ratio Lower Upper

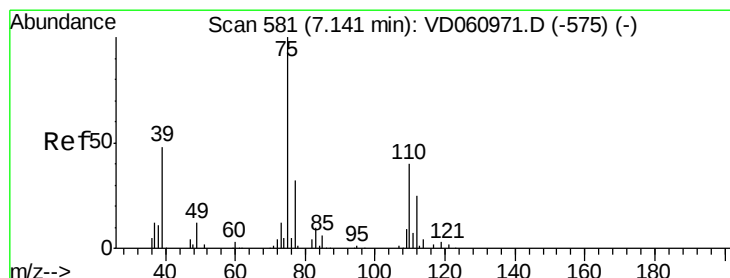
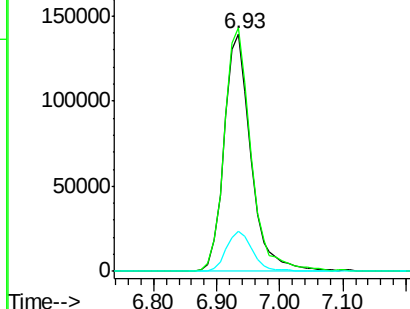
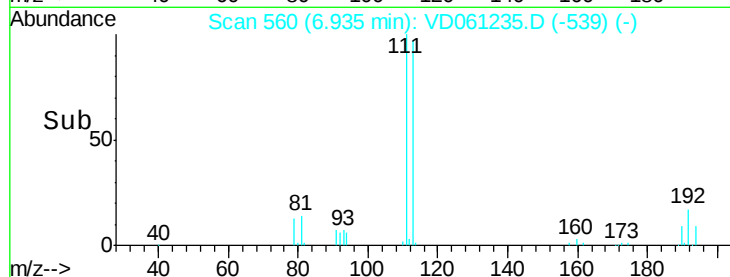
113 100

111 102.6 84.2 126.4

192 17.2 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: 5.196 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD061235.D

Acq: 21 Mar 2019 5:34

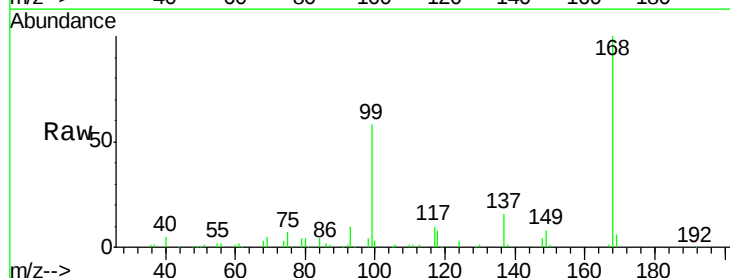
Tgt Ion: 75 Resp: 44180

Ion Ratio Lower Upper

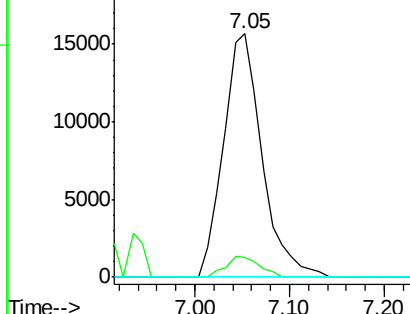
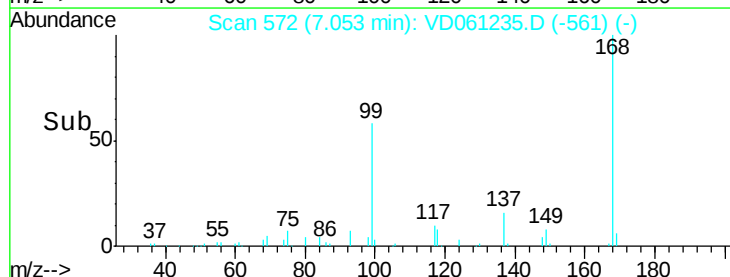
75 100

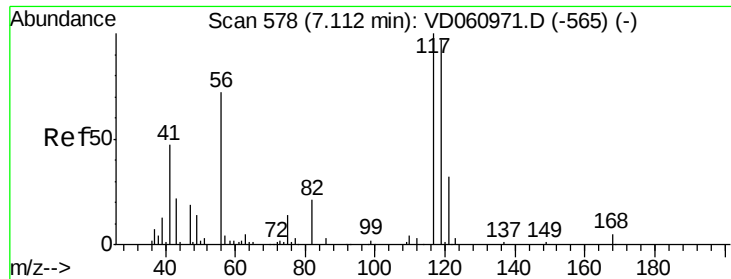
110 7.9 19.7 59.1#

77 0.0 24.7 37.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 6.380 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD061235.D

Acq: 21 Mar 2019 5:34

Instrument :

MSVOA_D

ClientSampleId :

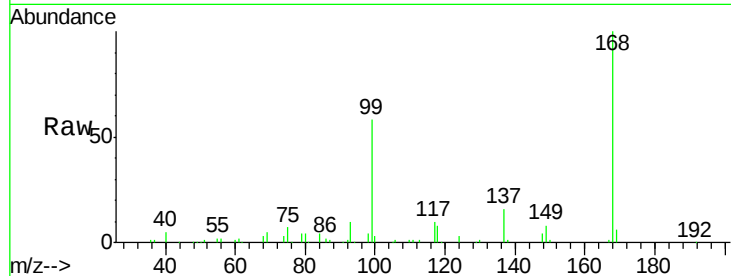
Tot Ion:117 Resp: 59763

Ion Ratio Lower Upper

117 100

119 4.5 77.8 116.8#

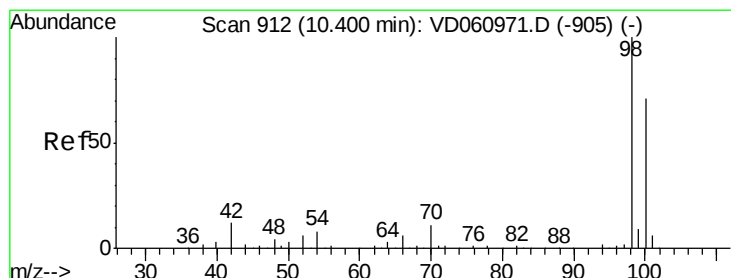
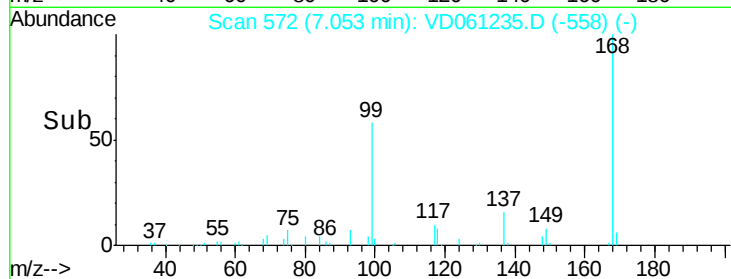
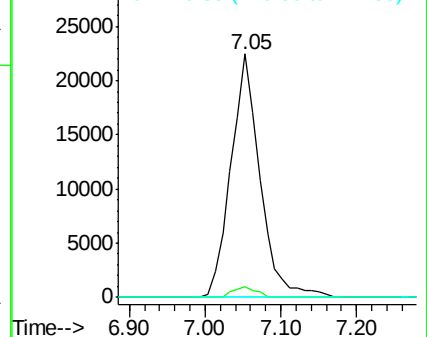
121 0.0 25.3 37.9#



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: VD061235.D

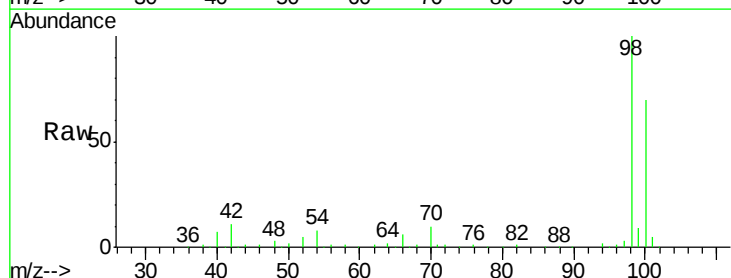
Acq: 21 Mar 2019 5:34

Tgt Ion: 98 Resp: 649833

Ion Ratio Lower Upper

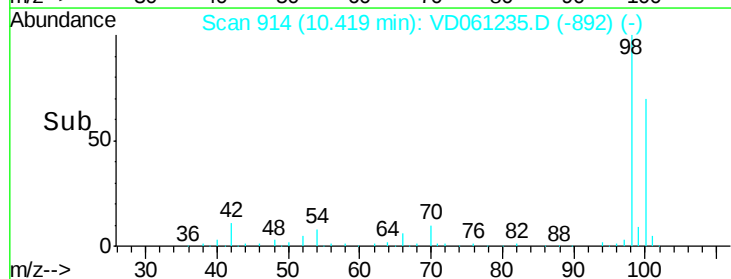
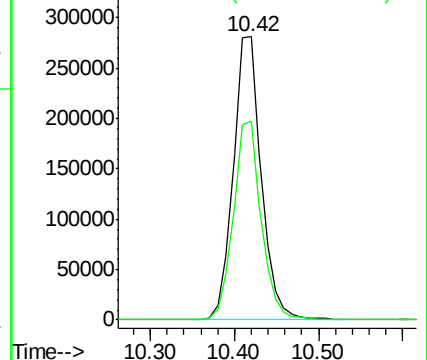
98 100

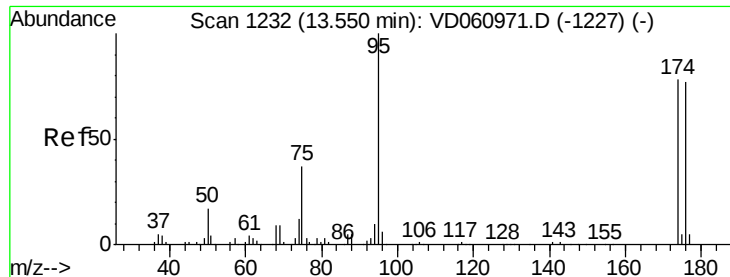
100 70.5 57.4 86.2



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: VD061235.D

Acq: 21 Mar 2019 5:34

Instrument :

MSVOA_D

ClientSampleId :

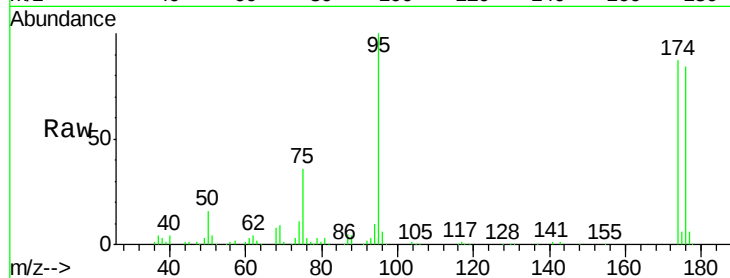
Tot Ion: 95 Resp: 330485

Ion Ratio Lower Upper

95 100

174 87.3 0.0 155.6

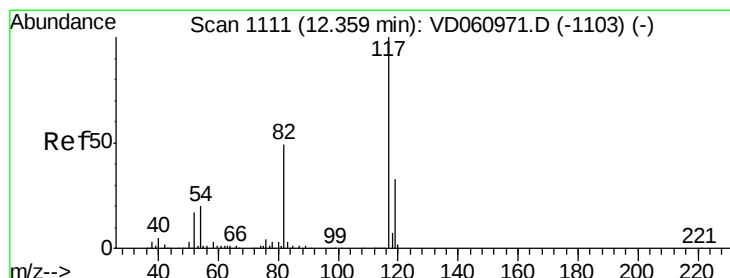
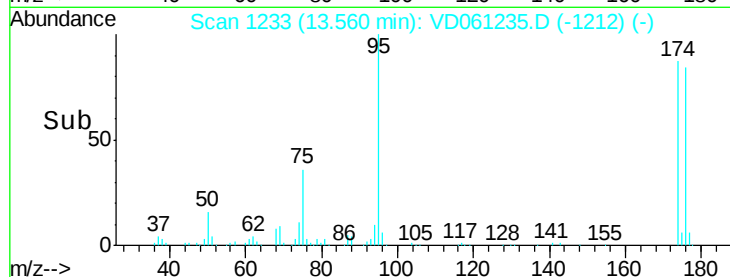
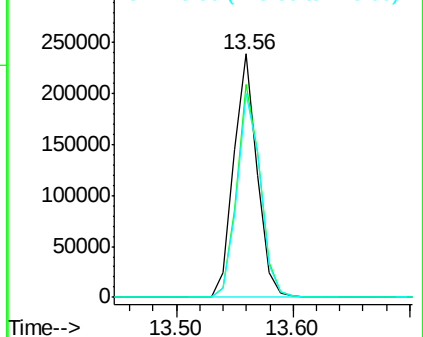
176 84.0 0.0 153.8



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: VD061235.D

Acq: 21 Mar 2019 5:34

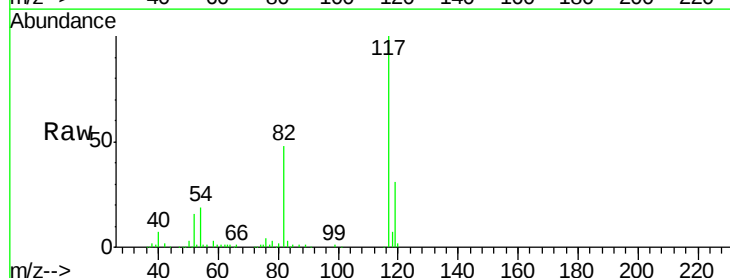
Tgt Ion: 117 Resp: 766958

Ion Ratio Lower Upper

117 100

82 48.0 38.9 58.3

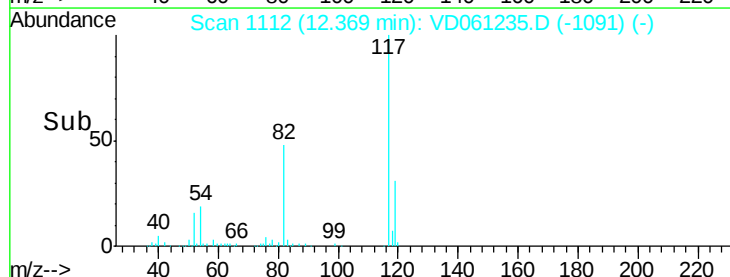
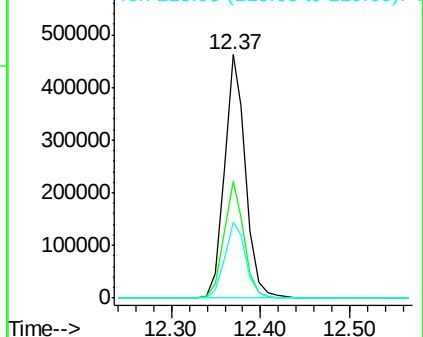
119 31.2 26.6 39.8

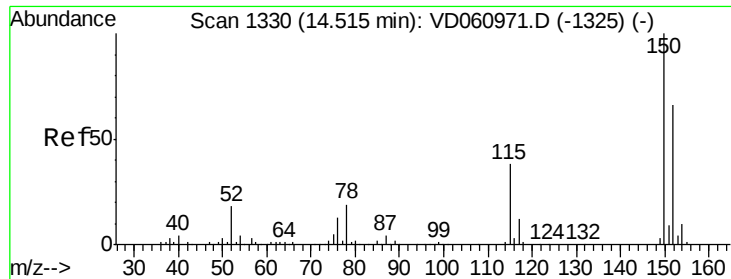


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD061235.D

Acq: 21 Mar 2019 5:34

Instrument :

MSVOA_D

ClientSampleId :

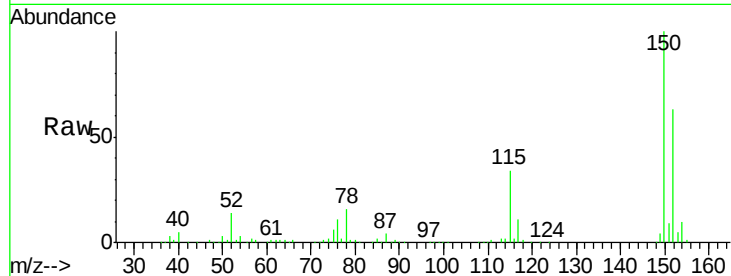
Tot Ion:152 Resp: 321812

Ion Ratio Lower Upper

152 100

115 54.6 28.6 85.9

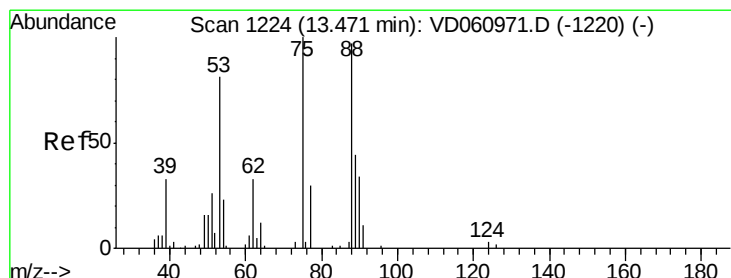
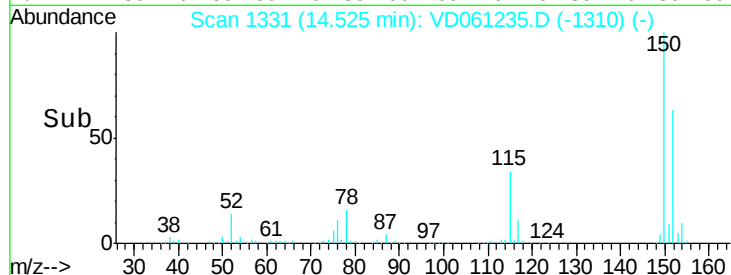
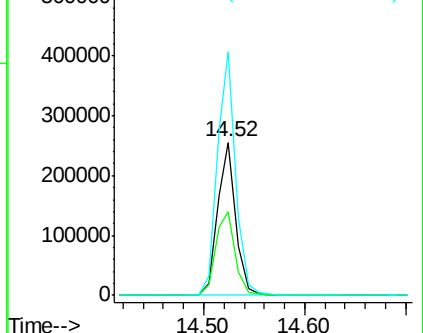
150 159.1 0.0 310.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 88.584 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061235.D

Acq: 21 Mar 2019 5:34

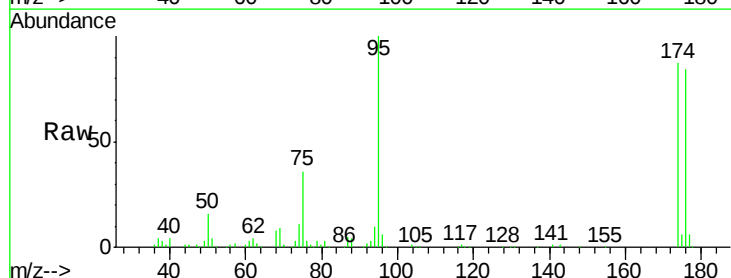
Tgt Ion: 75 Resp: 120915

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



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

