

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061167.D
 Acq On : 19 Mar 2019 3:10
 Operator : VA/AP
 Sample : K1930-14
 Misc : 5.46g/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 04:52:39 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	353009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	682765	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	599601	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	268871	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	245050	83.40	ug/l	0.00
Spiked Amount			Recovery	=	166.80%	
35) Dibromofluoromethane	6.93	113	318817	62.92	ug/l	0.00
Spiked Amount			Recovery	=	125.84%	
50) Toluene-d8	10.41	98	647735	50.91	ug/l	0.01
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	13.56	95	295416	59.83	ug/l	0.01
Spiked Amount			Recovery	=	119.66%	

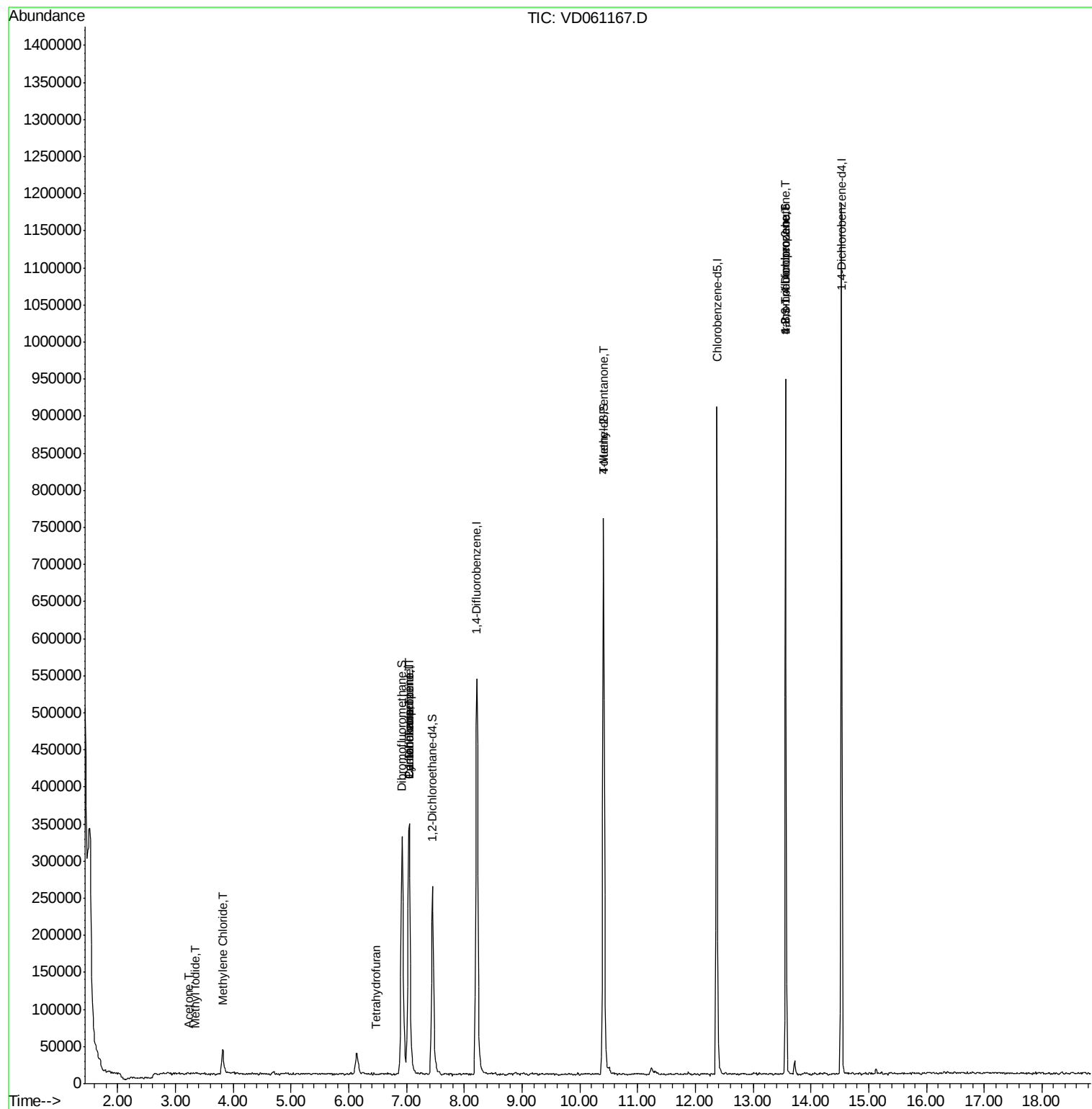
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.32	142	246	2.973	ug/l #	39
16) Acetone	3.24	43	1175	1.398	ug/l #	48
20) Methylene Chloride	3.82	84	26243	2.411	ug/l	89
29) Tetrahydrofuran	6.45	42	1320	2.550	ug/l #	33
31) Cyclohexane	7.04	56	5849	1.125	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	24645	4.188	ug/l #	48
38) Carbon Tetrachloride	7.04	117	33935	5.235	ug/l #	15
51) 4-Methyl-2-Pentanone	10.40	43	2951	1.259	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	102585	26.520	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	108092	94.782	ug/l #	17

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

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Quant Time: Mar 19 04:52:39 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: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061167.D

Acq: 19 Mar 2019 3:10

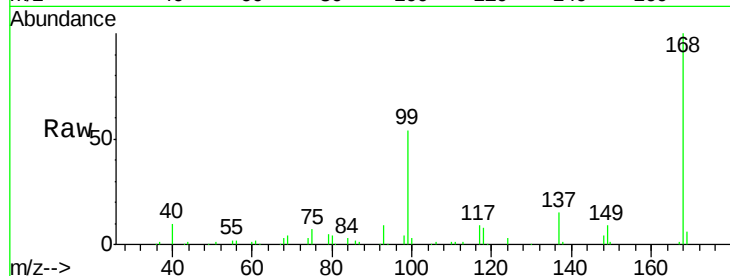
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 353009

Ion Ratio Lower Upper

168 100

99 54.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

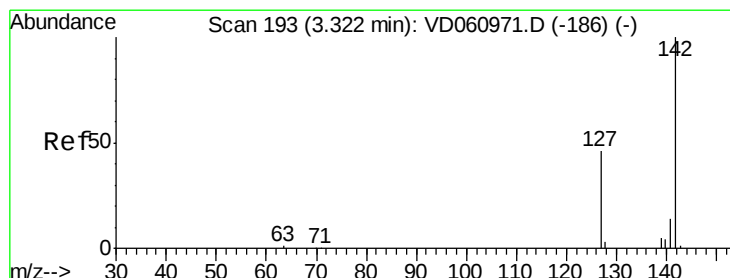
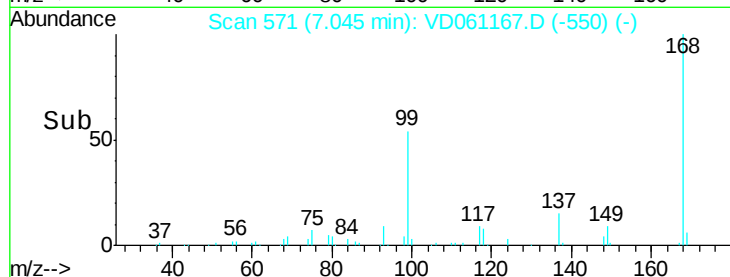
7.05

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.973 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.00 min

Lab File: VD061167.D

Acq: 19 Mar 2019 3:10

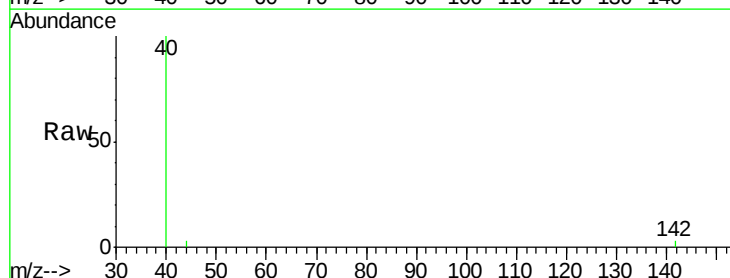
Tgt Ion:142 Resp: 246

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

141 0.0 11.2 16.8#



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

3.32

500

400

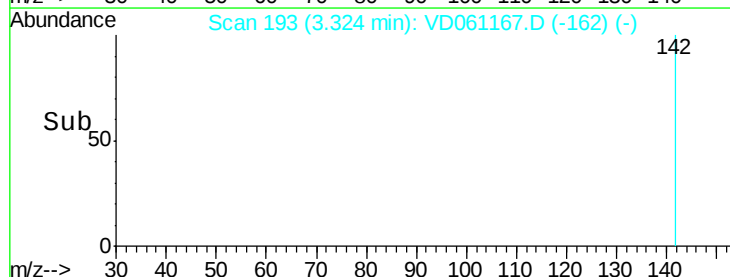
300

200

100

0

Time-->

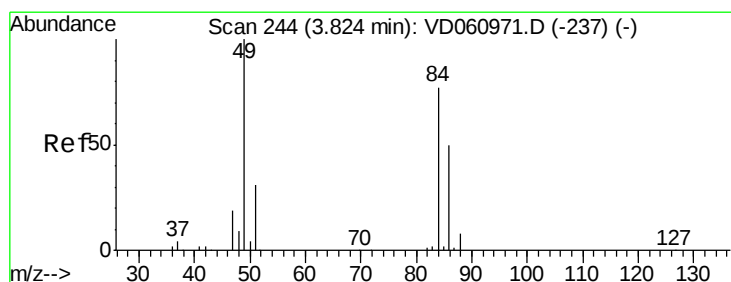
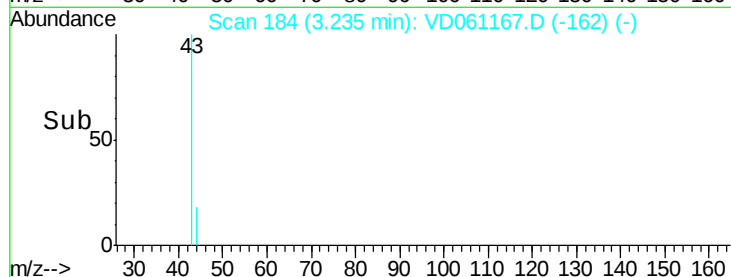
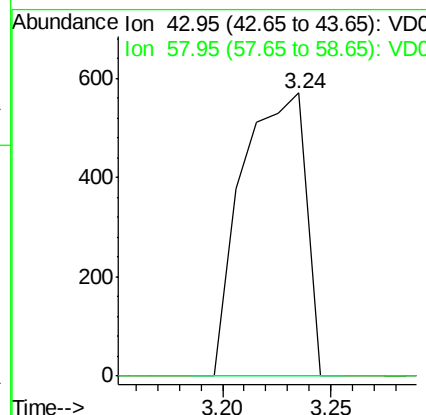
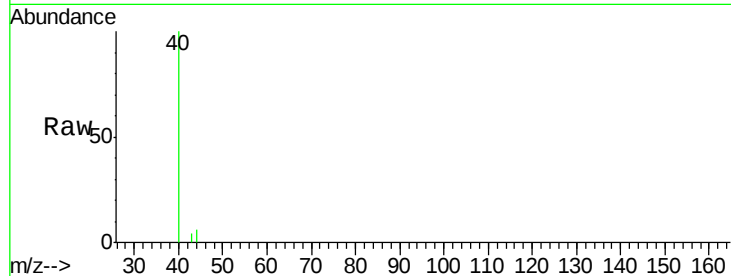




#16
Acetone
Concen: 1.398 ug/l
RT: 3.24 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD061167.D
Acq: 19 Mar 2019 3:10

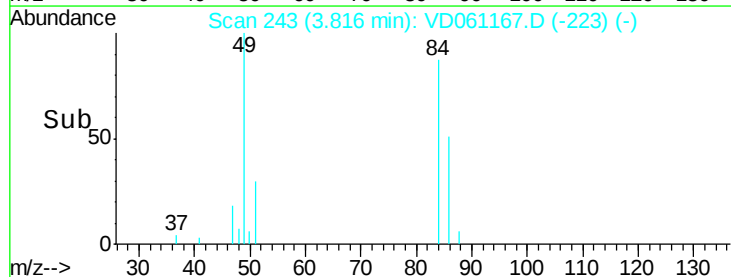
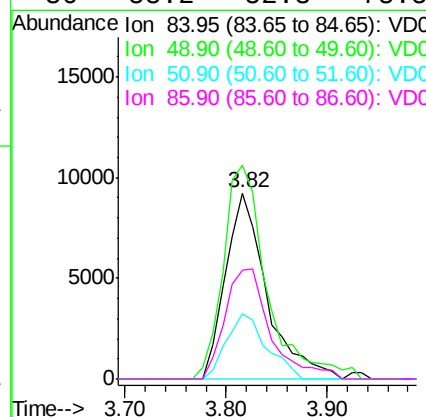
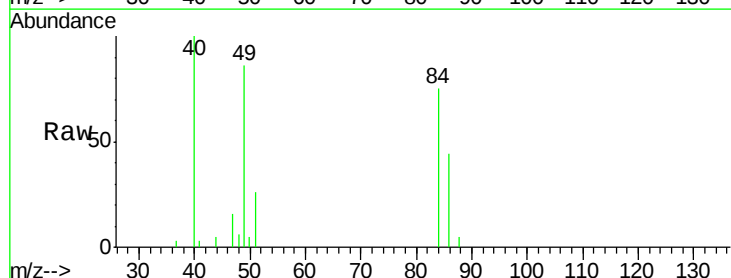
Instrument :
MSVOA_D
ClientSampleId :

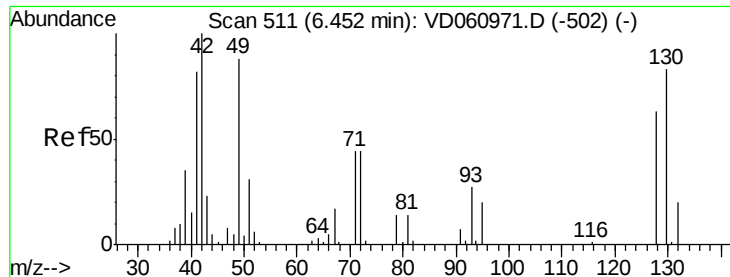
Tot Ion: 43 Resp: 1175
Ion Ratio Lower Upper
43 100
58 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: 2.411 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061167.D
Acq: 19 Mar 2019 3:10

Tgt Ion: 84 Resp: 26243
Ion Ratio Lower Upper
84 100
49 114.9 104.2 156.2
51 35.0 32.3 48.5
86 58.2 52.3 78.5





#29

Tetrahydrofuran

Concen: 2.550 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD061167.D

Acq: 19 Mar 2019 3:10

Instrument :

MSVOA_D

ClientSampleId :

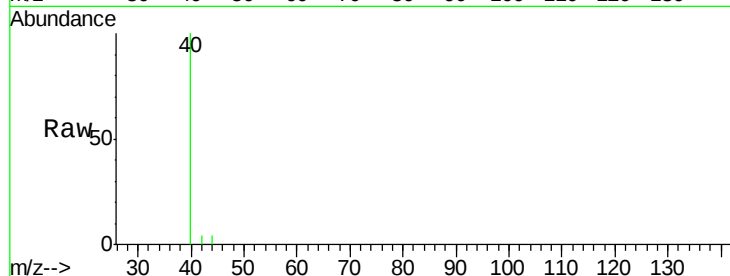
Tot Ion: 42 Resp: 1320

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

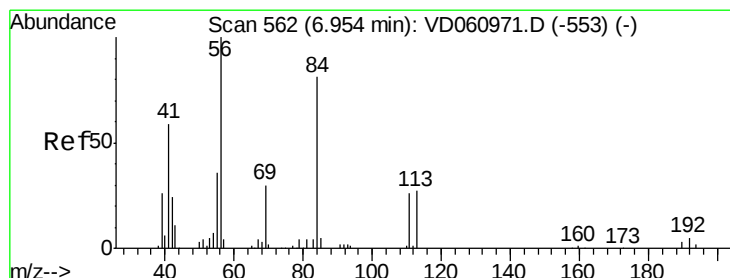
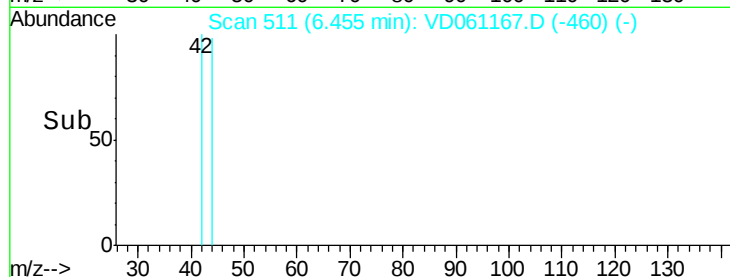
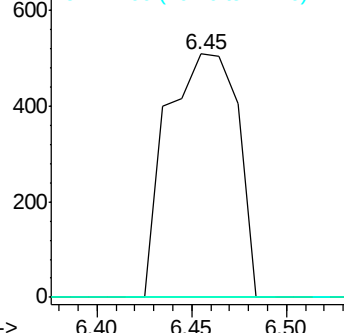
71 0.0 33.8 50.6#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.125 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD061167.D

Acq: 19 Mar 2019 3:10

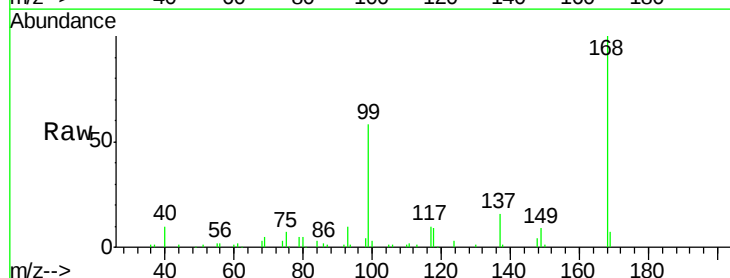
Tgt Ion: 56 Resp: 5849

Ion Ratio Lower Upper

56 100

69 232.9 24.0 36.0#

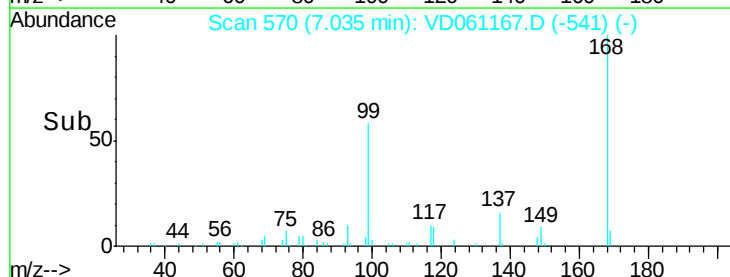
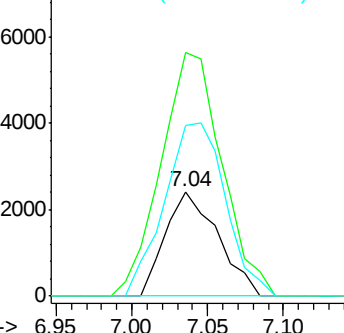
84 163.5 65.8 98.6#

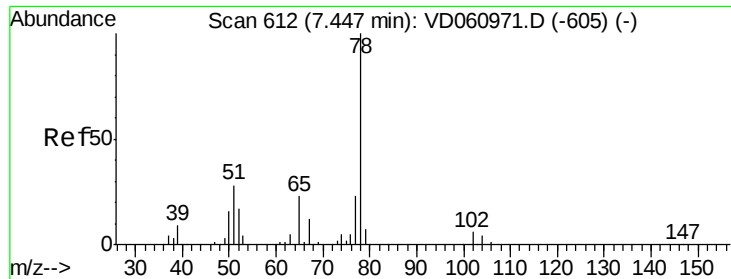


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061167.D

Acq: 19 Mar 2019 3:10

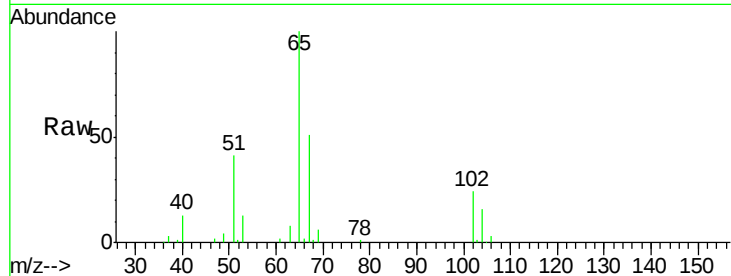
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 245050

Ion Ratio Lower Upper

65 100

67 50.6 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

80000

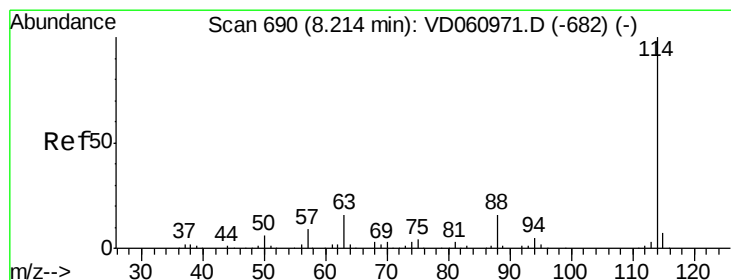
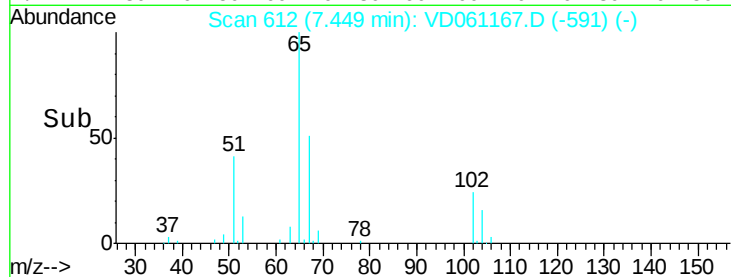
60000

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# 690

Delta R.T. 0.00 min

Lab File: VD061167.D

Acq: 19 Mar 2019 3:10

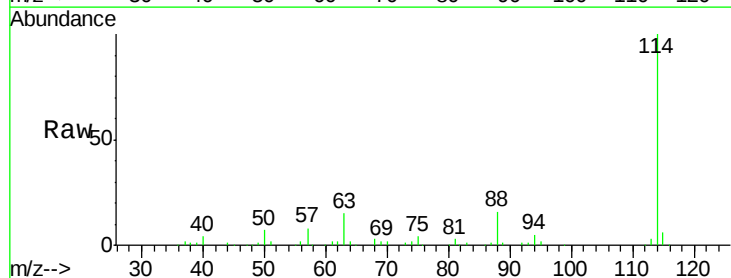
Tgt Ion: 114 Resp: 682765

Ion Ratio Lower Upper

114 100

63 15.4 0.0 31.4

88 16.2 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

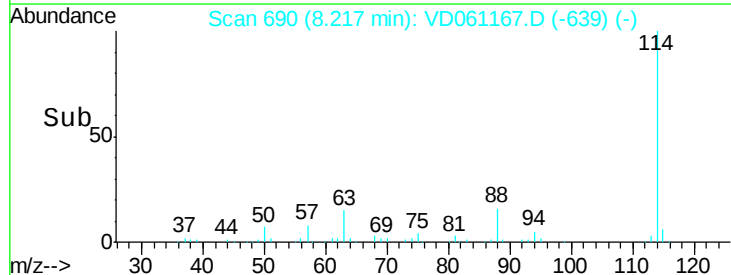
300000

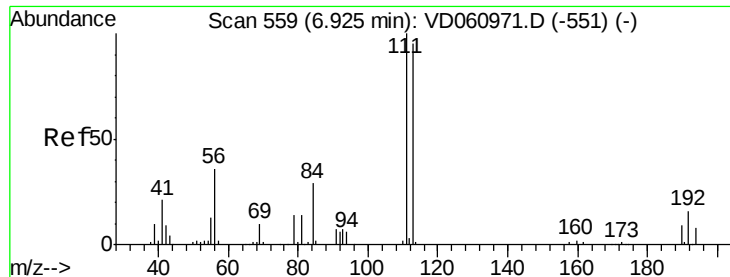
200000

100000

0

Time--> 8.20 8.40





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

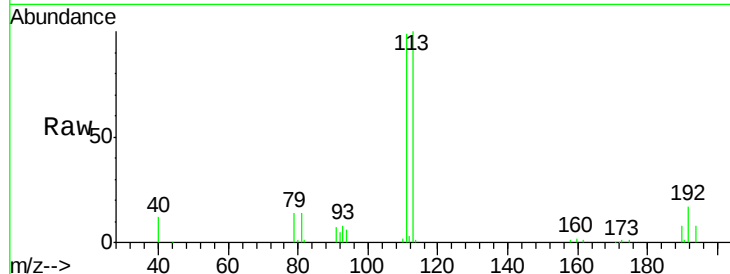
Delta R.T. 0.00 min

Lab File: VD061167.D

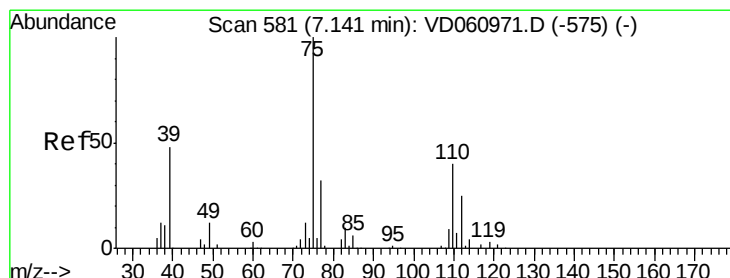
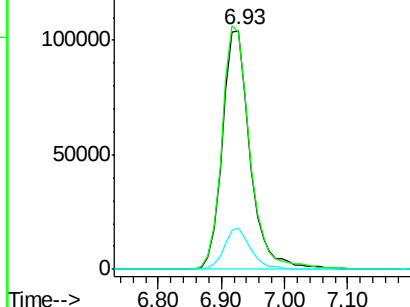
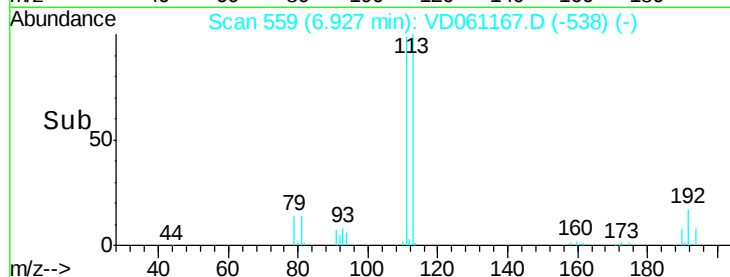
Acq: 19 Mar 2019 3:10

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	113	Resp:	318817
Ion	Ratio	Lower	Upper
113	100		
111	99.5	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: 4.188 ug/l

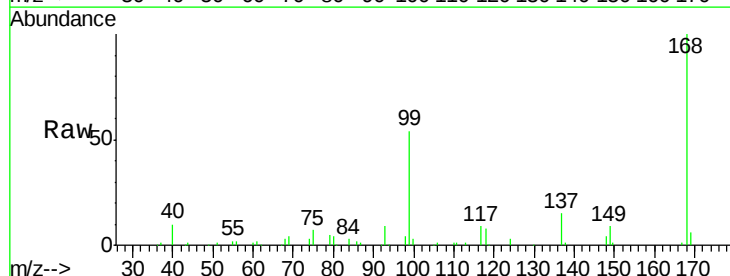
RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

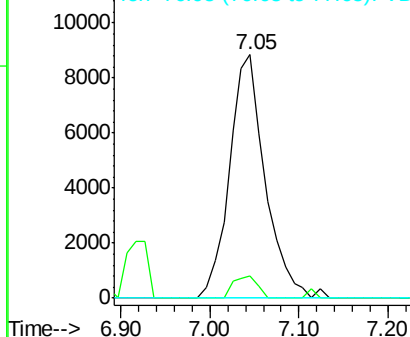
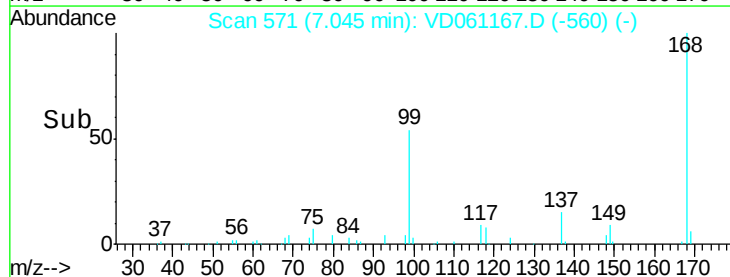
Lab File: VD061167.D

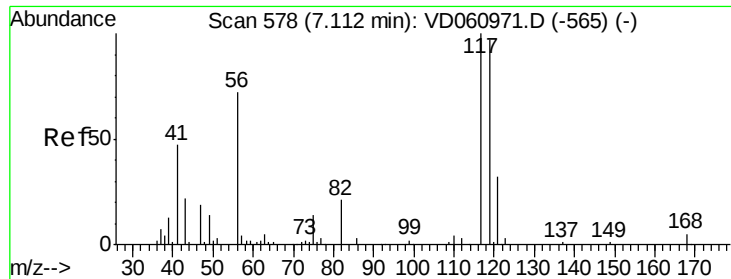
Acq: 19 Mar 2019 3:10

Tgt Ion:	75	Resp:	24645
Ion	Ratio	Lower	Upper
75	100		
110	9.2	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

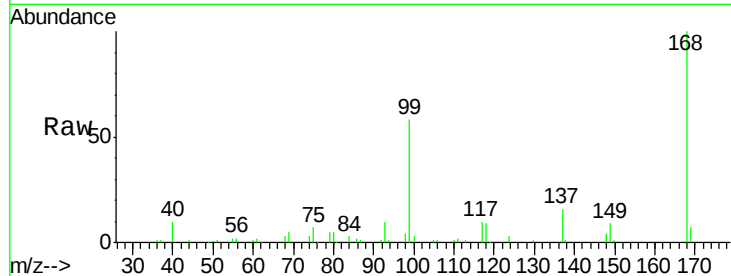




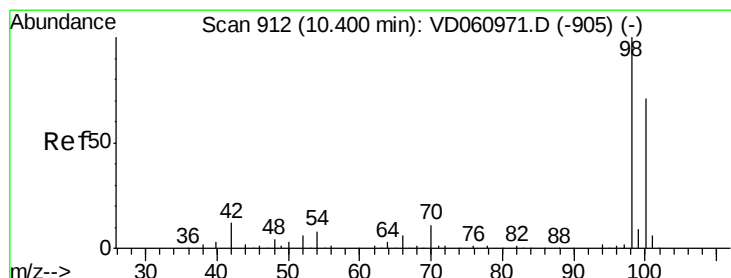
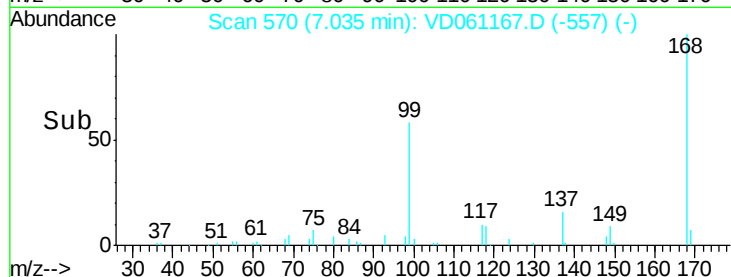
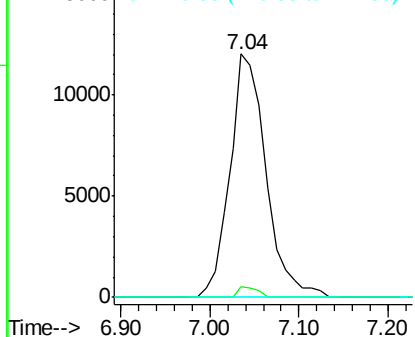
#38
Carbon Tetrachloride
Concen: 5.235 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD061167.D
Acq: 19 Mar 2019 3:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 33935
Ion Ratio Lower Upper
117 100
119 4.3 77.8 116.8#
121 0.0 25.3 37.9#

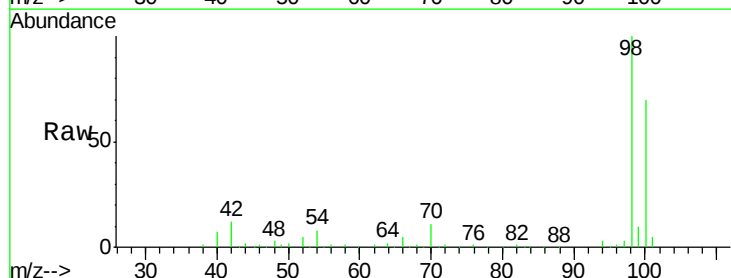


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

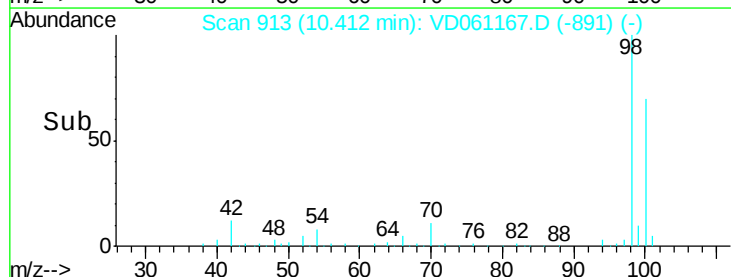
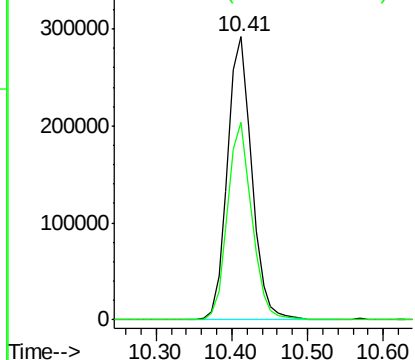


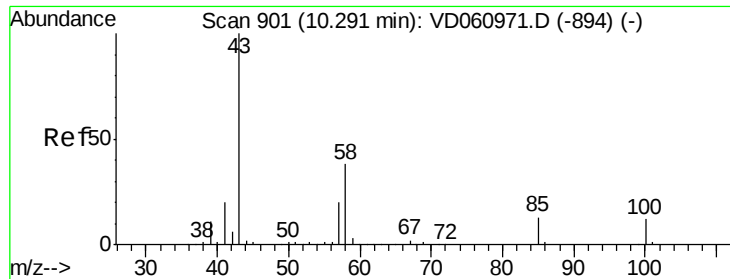
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD061167.D
Acq: 19 Mar 2019 3:10

Tgt Ion: 98 Resp: 647735
Ion Ratio Lower Upper
98 100
100 70.0 57.4 86.2



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: 1.259 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD061167.D

Acq: 19 Mar 2019 3:10

Instrument :

MSVOA_D

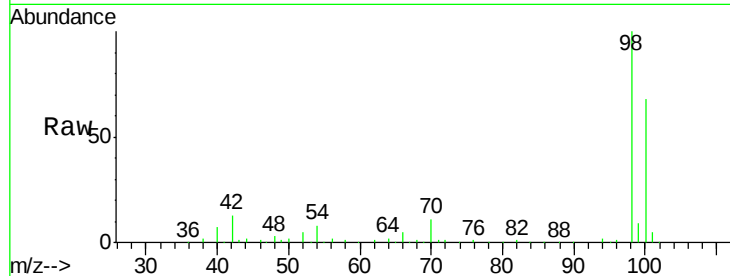
ClientSampled :

Tot Ion: 43 Resp: 2951

Ion Ratio Lower Upper

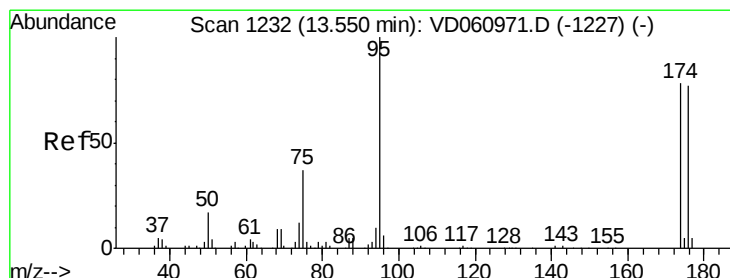
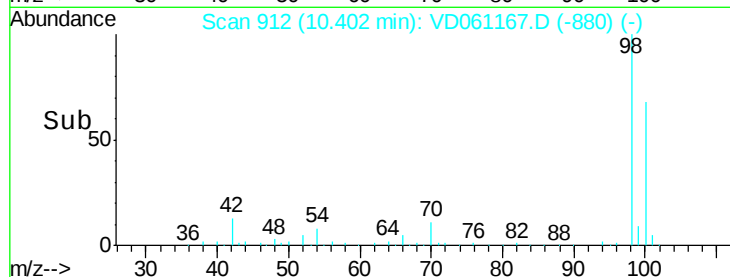
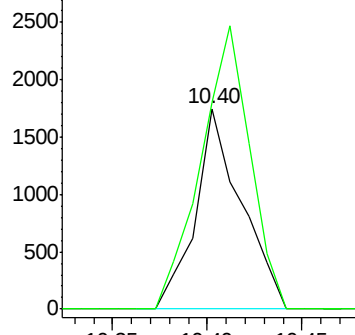
43 100

58 103.0 30.2 45.2#



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: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061167.D

Acq: 19 Mar 2019 3:10

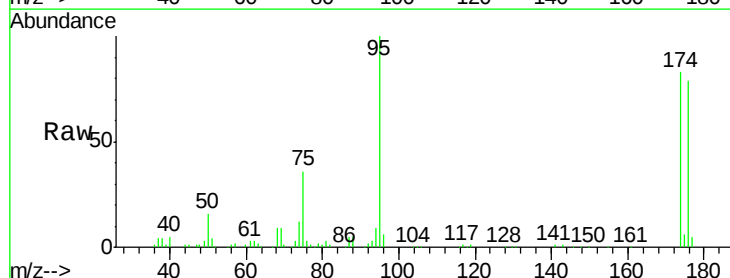
Tgt Ion: 95 Resp: 295416

Ion Ratio Lower Upper

95 100

174 82.9 0.0 155.6

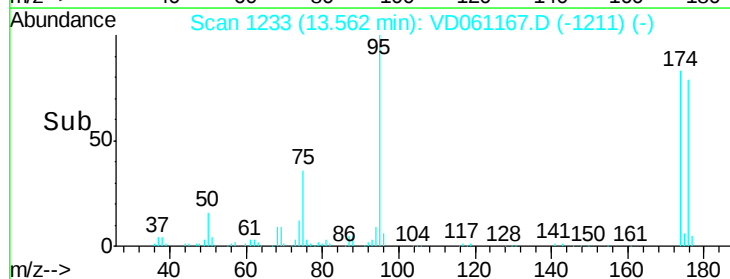
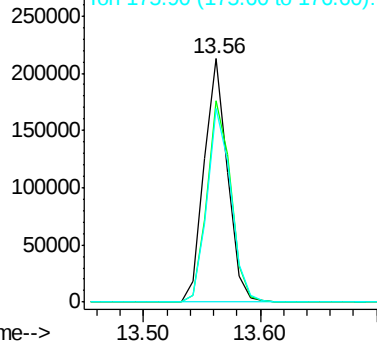
176 79.4 0.0 153.8

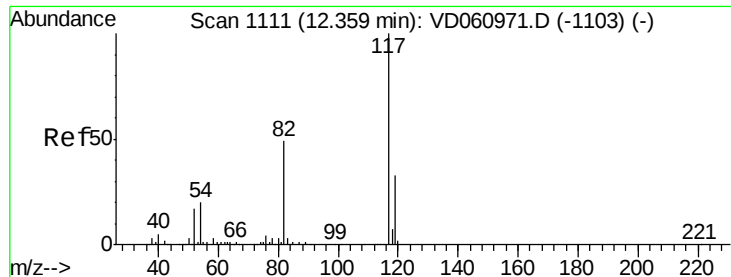


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

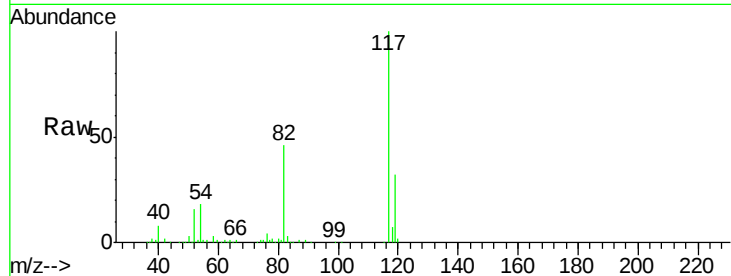




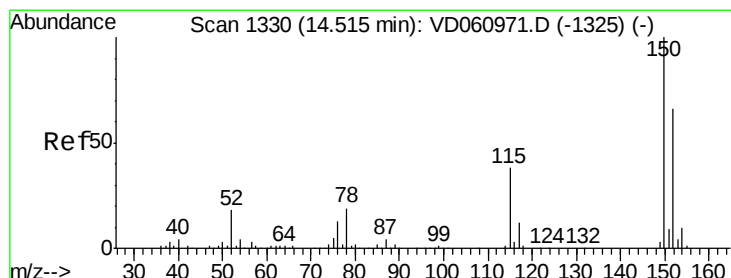
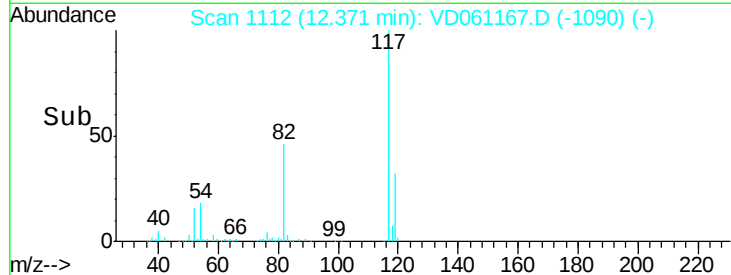
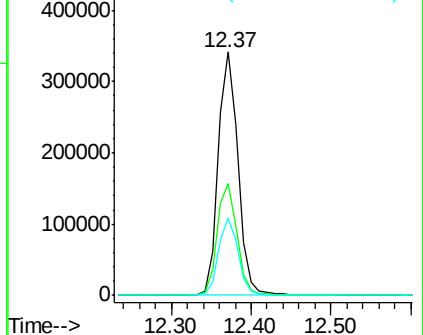
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061167.D
Acq: 19 Mar 2019 3:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 599601
Ion Ratio Lower Upper
117 100
82 45.9 38.9 58.3
119 31.8 26.6 39.8

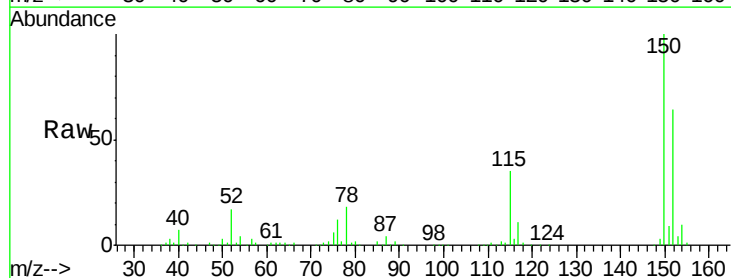


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

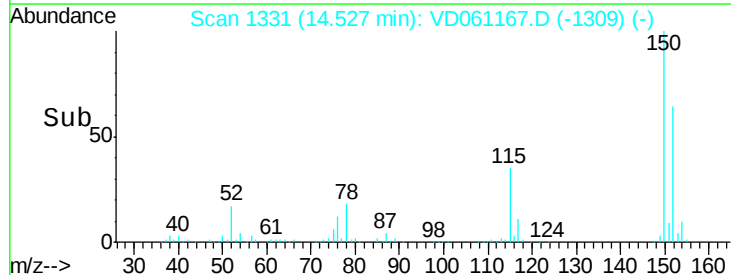
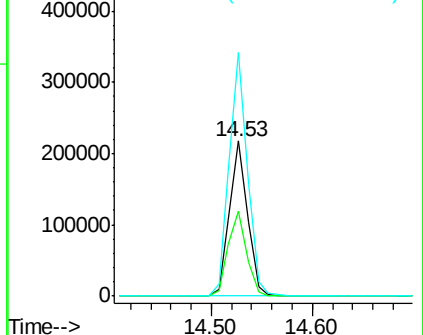


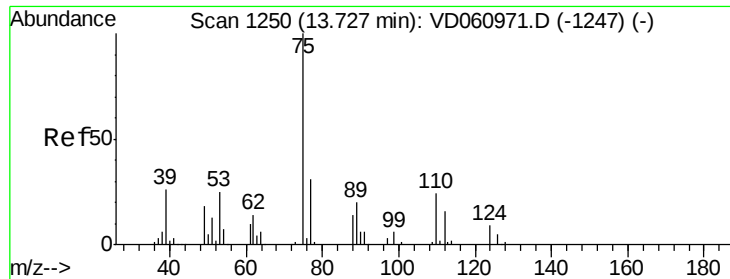
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061167.D
Acq: 19 Mar 2019 3:10

Tgt Ion:152 Resp: 268871
Ion Ratio Lower Upper
152 100
115 55.0 28.6 85.9
150 157.0 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

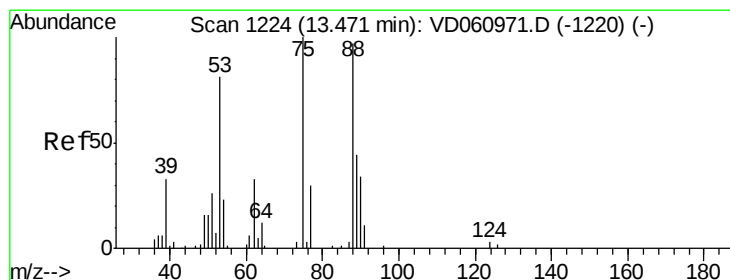
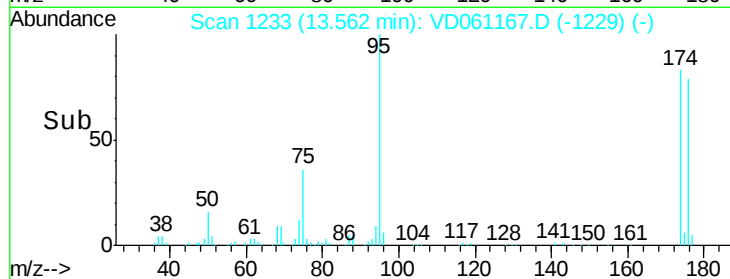
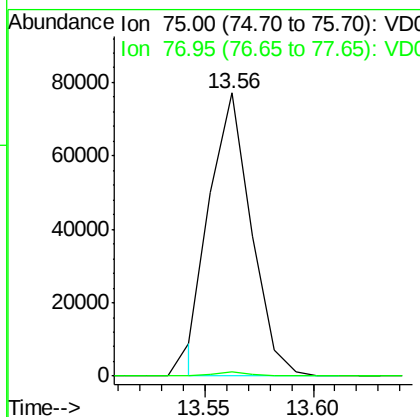
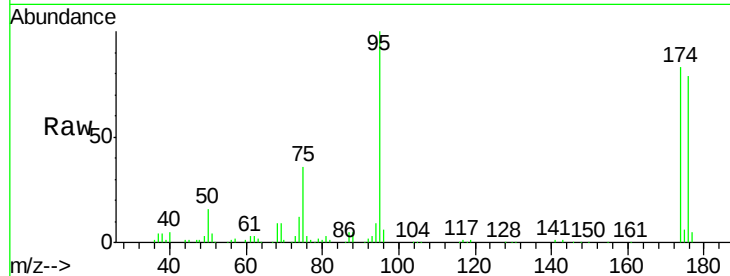




#76
 1,2,3-Trichloropropane
 Concen: 26.520 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.17 min
 Lab File: VD061167.D
 Acq: 19 Mar 2019 3:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 102585
 Ion Ratio Lower Upper
 75 100
 77 1.7 16.6 49.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.782 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD061167.D
 Acq: 19 Mar 2019 3:10

Tgt Ion: 75 Resp: 108092
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#

