

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032119\
 Data File : VD061242.D
 Acq On : 21 Mar 2019 14:04
 Operator : VA/AP
 Sample : K2002-07RE
 Misc : 5.52g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 04:30:48 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	703778	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1255987	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	1000002	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	432075	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	270920	46.25	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	92.50%	
35) Dibromofluoromethane	6.94	113	425519	45.65	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	91.30%	
50) Toluene-d8	10.42	98	1037904	44.34	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	88.68%	
62) 4-Bromofluorobenzene	13.56	95	409250	45.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.12%	

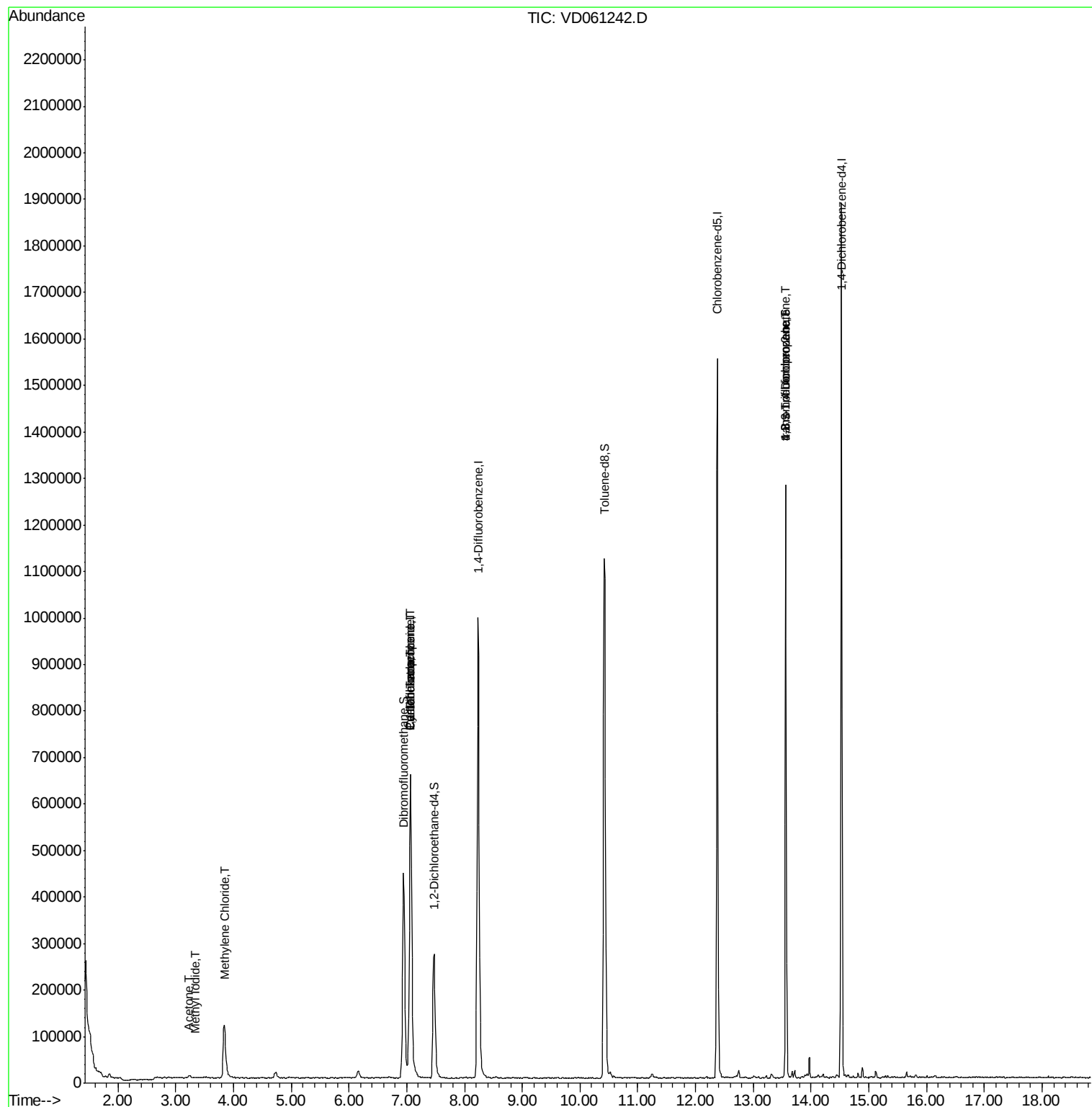
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.21	94	191	Below Cal	#	8
10) Methyl Iodide	3.35	142	755	2.994	ug/l #	39
16) Acetone	3.23	43	11982	7.153	ug/l #	83
20) Methylene Chloride	3.84	84	96203	8.747	ug/l	94
31) Cyclohexane	7.07	56	12020	1.160	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	50515	4.666	ug/l #	45
38) Carbon Tetrachloride	7.06	117	68887	5.776	ug/l #	15
76) 1,2,3-Trichloropropane	13.56	75	116241	18.700	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	152206	83.052	ug/l #	17

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

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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: VD061242.D

Acq: 21 Mar 2019 14:04

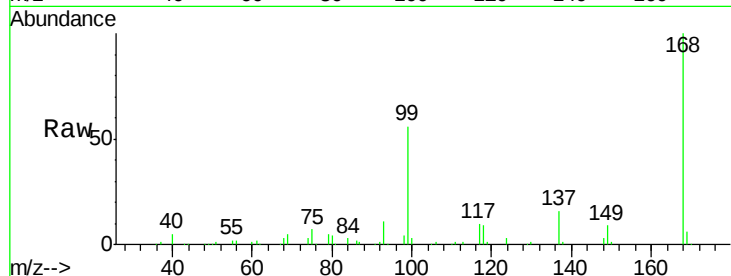
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 703778

Ion Ratio Lower Upper

168 100

99 56.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.06

250000

200000

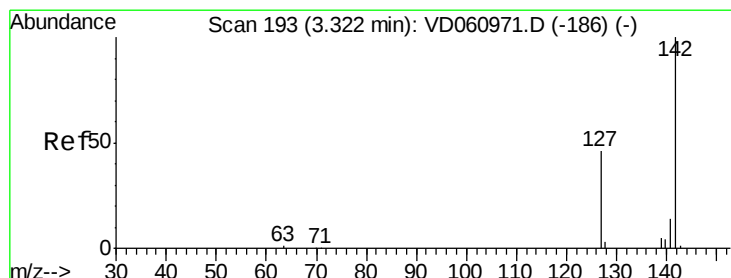
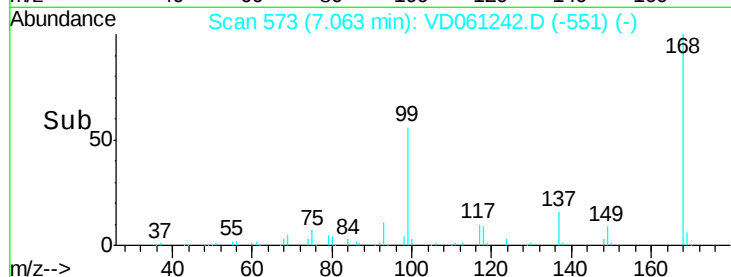
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 2.994 ug/l

RT: 3.35 min Scan# 196

Delta R.T. 0.03 min

Lab File: VD061242.D

Acq: 21 Mar 2019 14:04

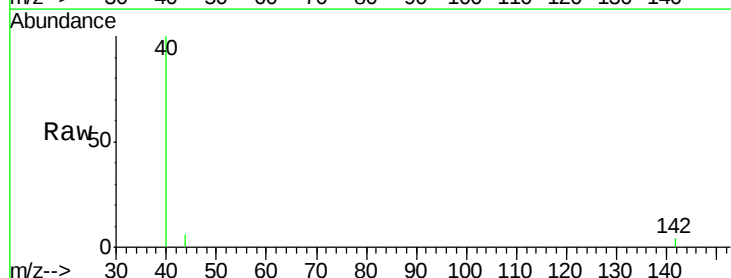
Tgt Ion:142 Resp: 755

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

3.35

600

500

400

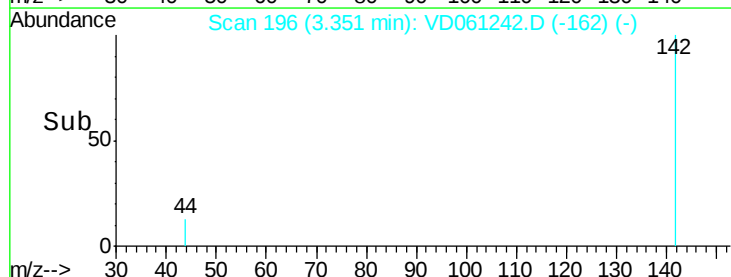
300

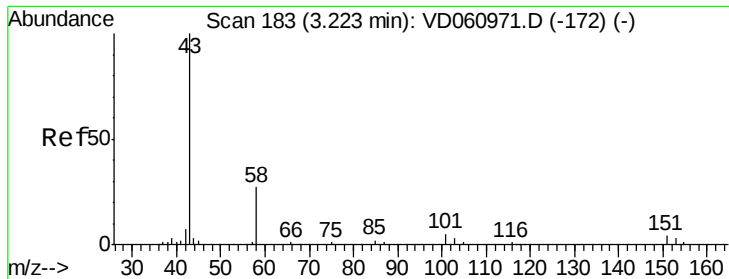
200

100

0

Time--> 3.30 3.35

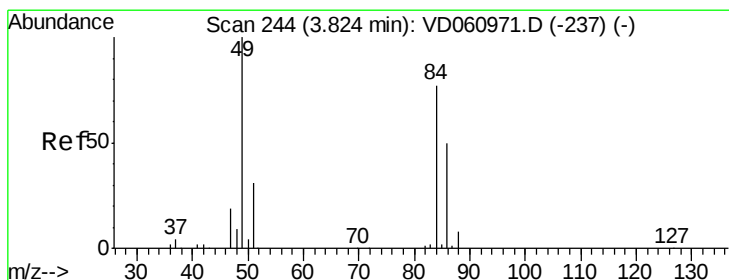
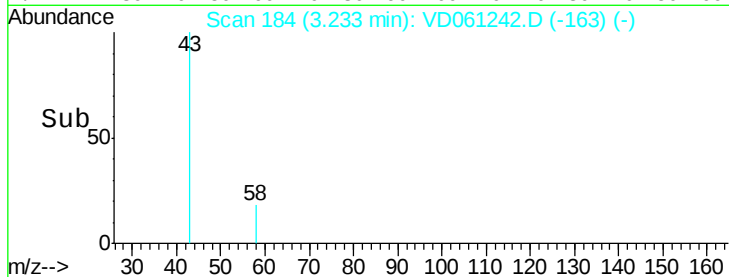
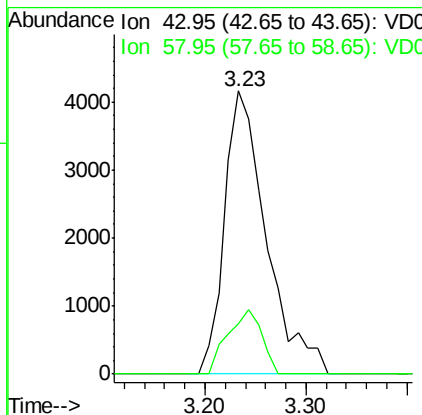
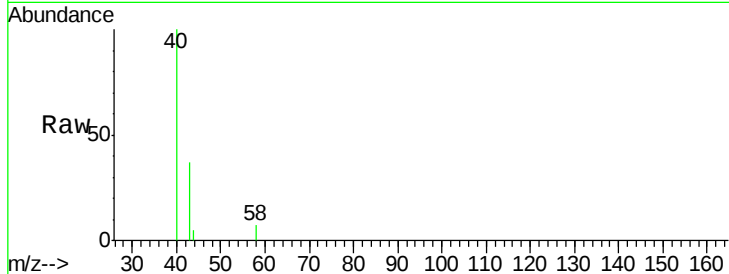




#16
Acetone
Concen: 7.153 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD061242.D
Acq: 21 Mar 2019 14:04

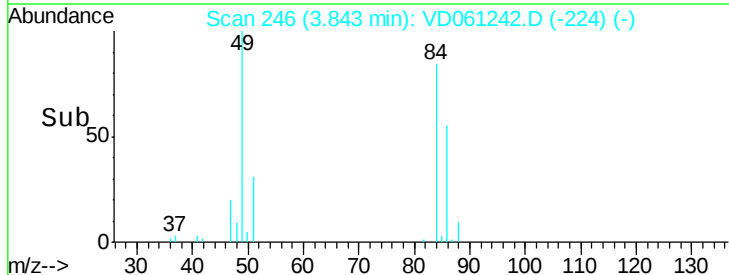
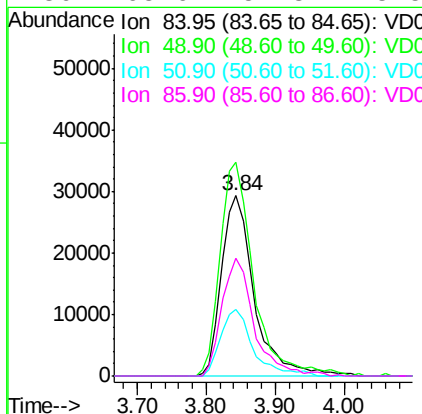
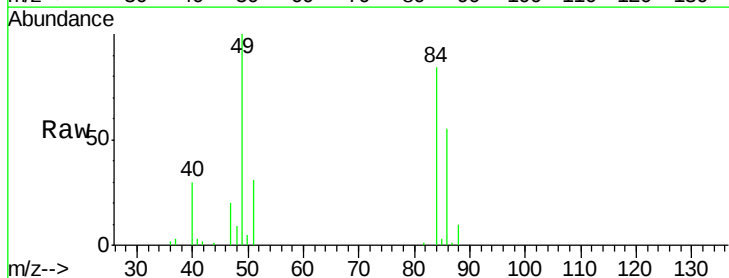
Instrument :
MSVOA_D
ClientSampleId :

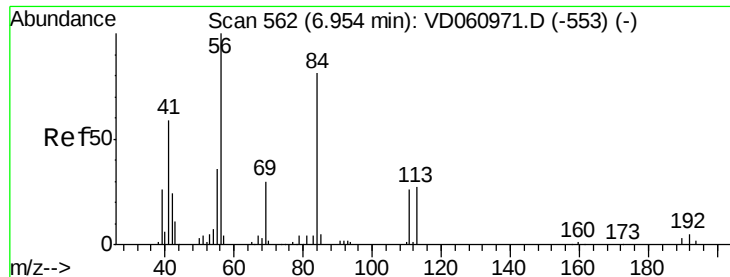
Tot Ion: 43 Resp: 11982
Ion Ratio Lower Upper
43 100
58 18.0 21.6 32.4#



#20
Methylene Chloride
Concen: 8.747 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.02 min
Lab File: VD061242.D
Acq: 21 Mar 2019 14:04

Tgt Ion: 84 Resp: 96203
Ion Ratio Lower Upper
84 100
49 118.7 104.2 156.2
51 37.2 32.3 48.5
86 65.6 52.3 78.5

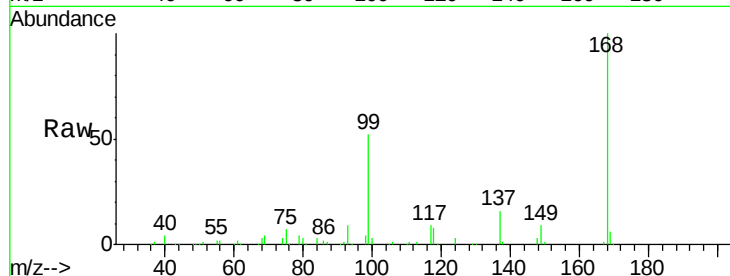




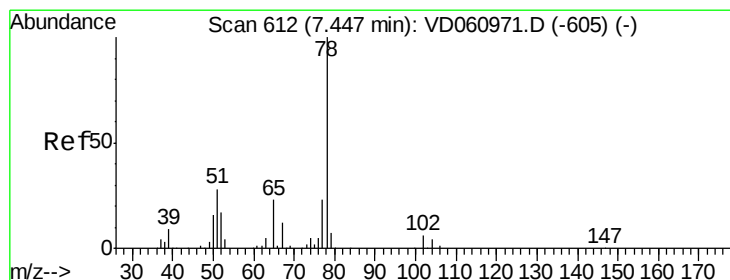
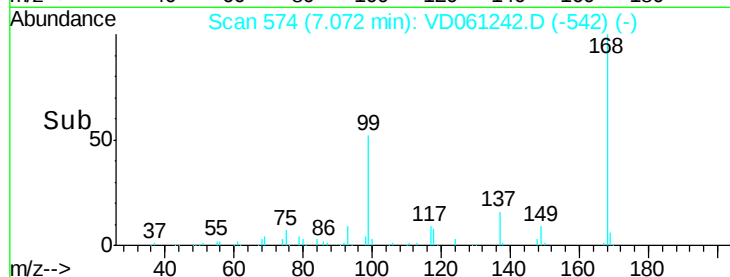
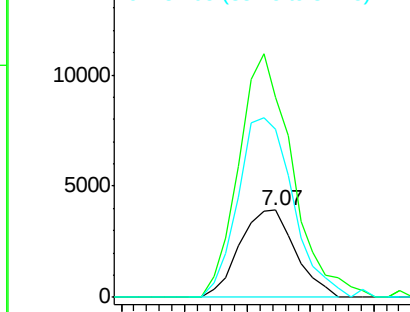
#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.07 min Scan# 574
Delta R.T. 0.12 min
Lab File: VD061242.D
Acq: 21 Mar 2019 14:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 12020
Ion Ratio Lower Upper
56 100
69 228.9 24.0 36.0#
84 191.8 65.8 98.6#

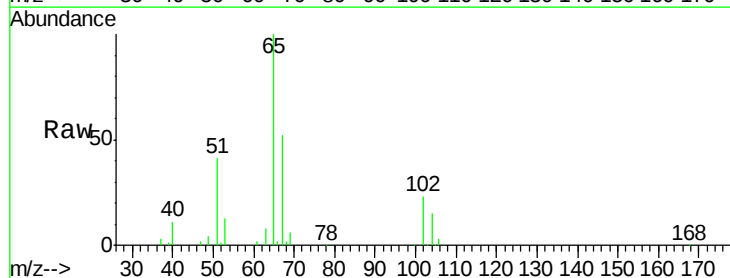


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

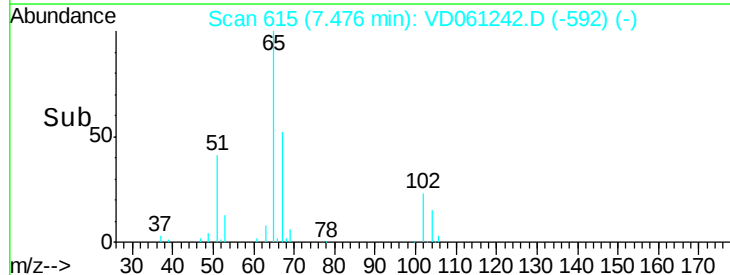
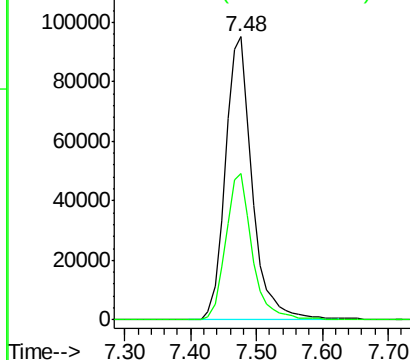


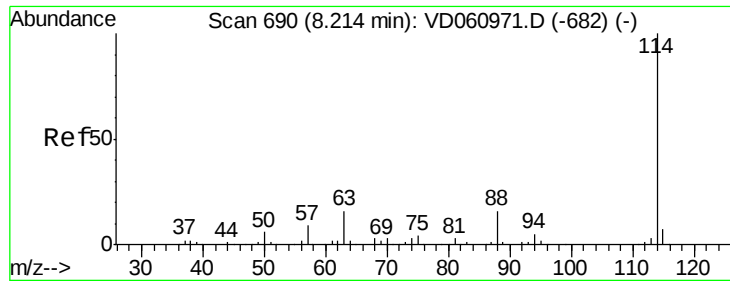
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.03 min
Lab File: VD061242.D
Acq: 21 Mar 2019 14:04

Tgt Ion: 65 Resp: 270920
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

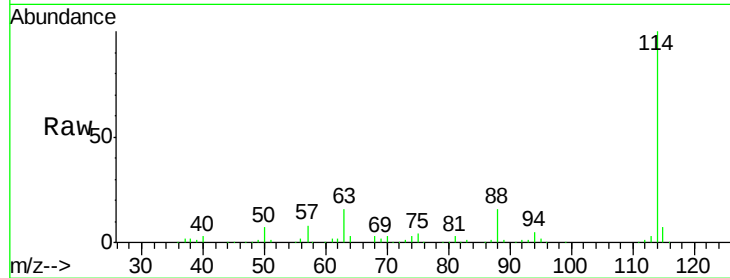




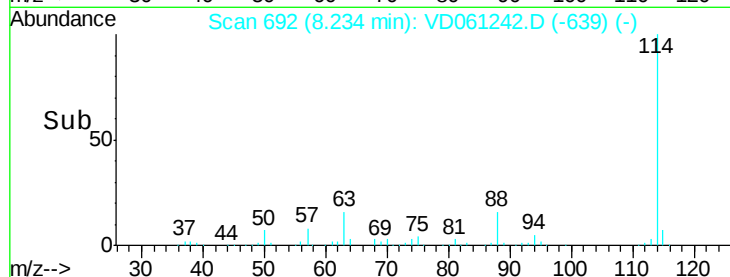
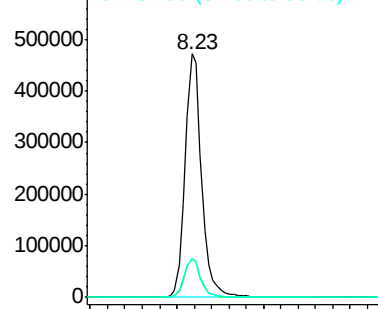
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD061242.D
 Acq: 21 Mar 2019 14:04

Instrument :
 MSVOA_D
 ClientSampleId :

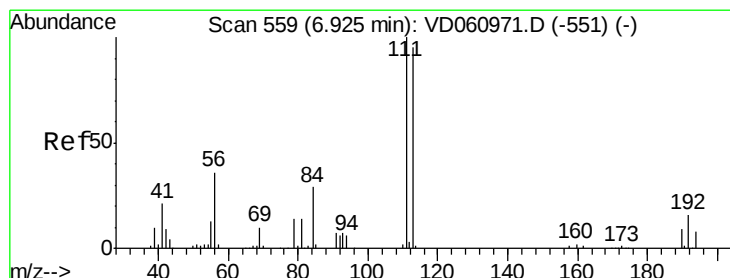
Tot Ion:114 Resp: 1255987
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 31.4
 88 16.1 0.0 33.0



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

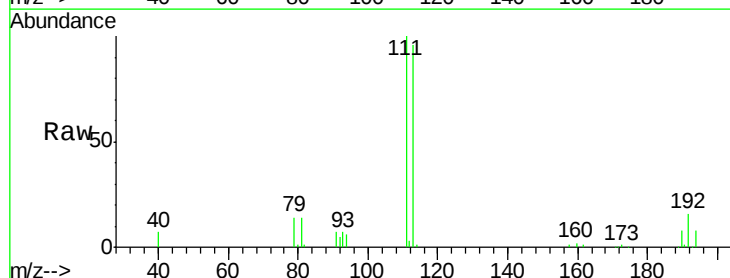


Time--> 8.00 8.20 8.40 8.60

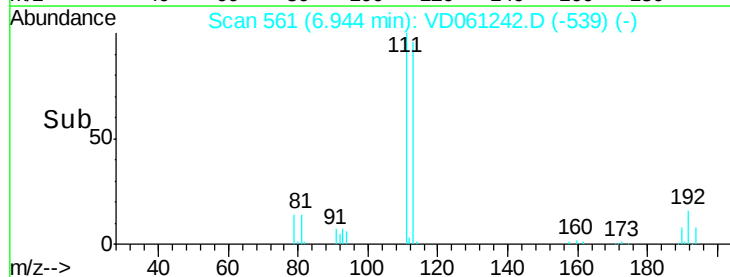
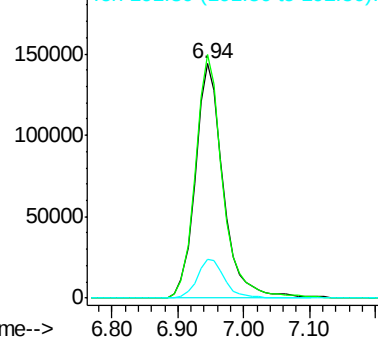


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD061242.D
 Acq: 21 Mar 2019 14:04

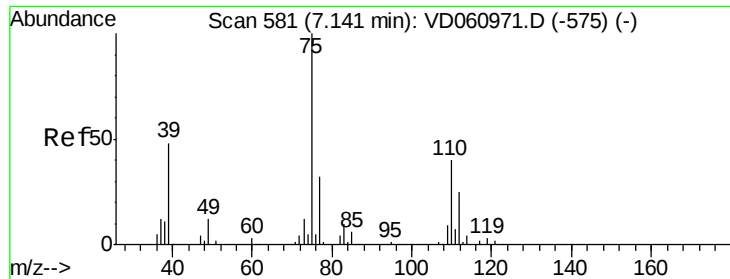
Tgt Ion:113 Resp: 425519
 Ion Ratio Lower Upper
 113 100
 111 103.8 84.2 126.4
 192 16.4 13.1 19.7



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



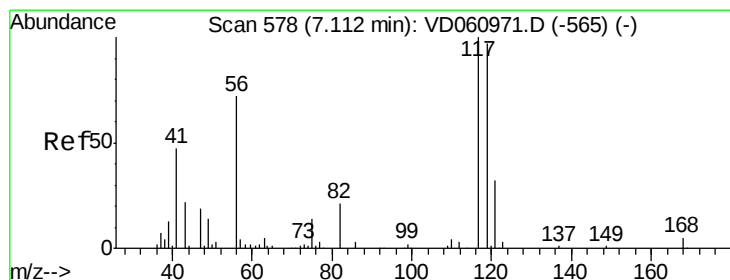
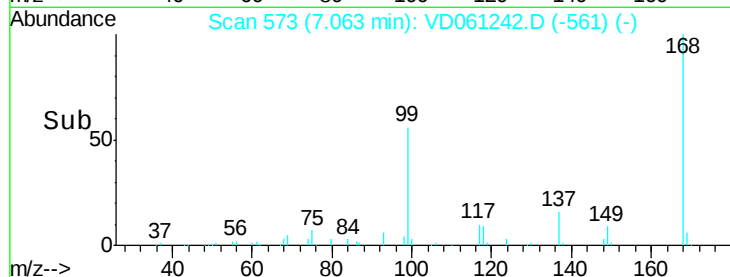
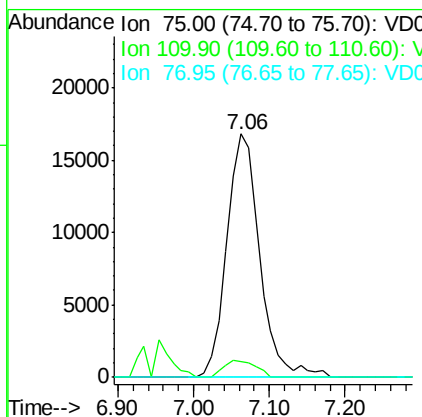
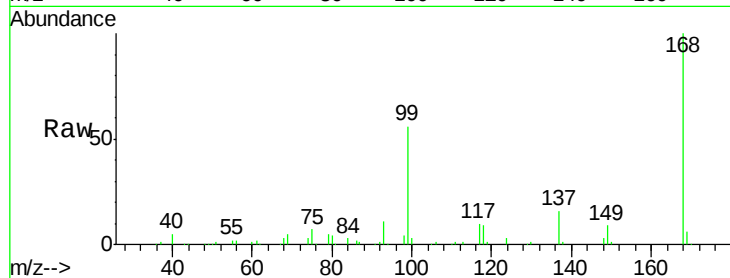
Time--> 6.80 6.90 7.00 7.10



#36
 1,1-Dichloropropene
 Concen: 4.666 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.08 min
 Lab File: VD061242.D
 Acq: 21 Mar 2019 14:04

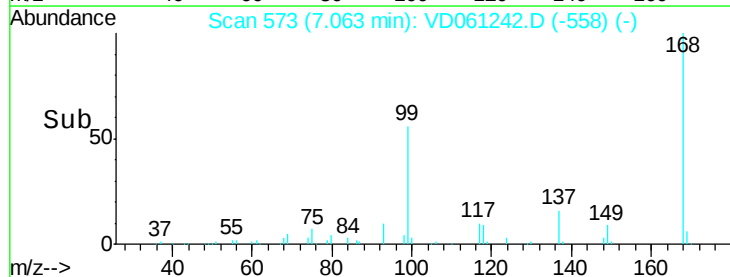
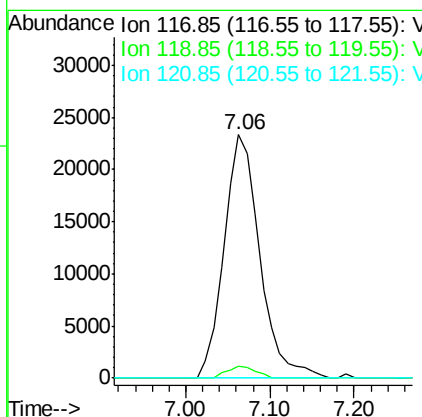
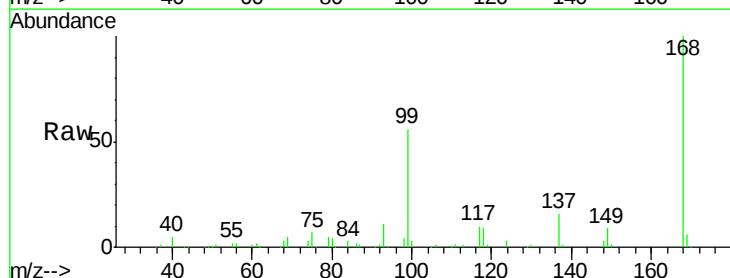
Instrument :
 MSVOA_D
 ClientSampleId :

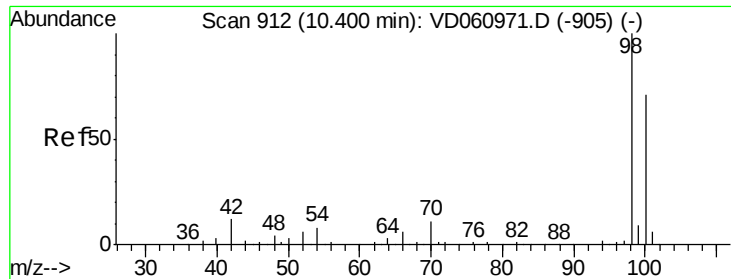
Tot Ion	75	Resp	50515
Ion	Ratio	Lower	Upper
75	100		
110	6.7	19.7	59.1#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.776 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.05 min
 Lab File: VD061242.D
 Acq: 21 Mar 2019 14:04

Tgt Ion	117	Resp	68887
Ion	Ratio	Lower	Upper
117	100		
119	5.1	77.8	116.8#
121	0.0	25.3	37.9#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD061242.D

Acq: 21 Mar 2019 14:04

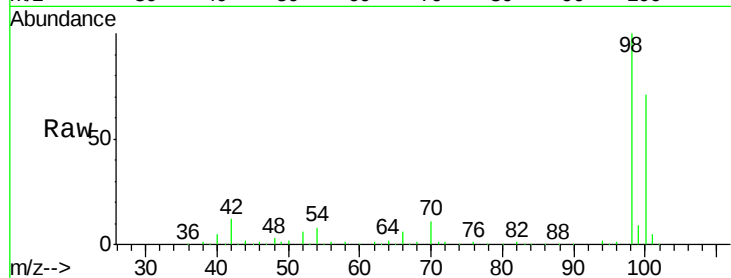
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 1037904

Ion Ratio Lower Upper

98 100

100 70.6 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

10.42

400000

300000

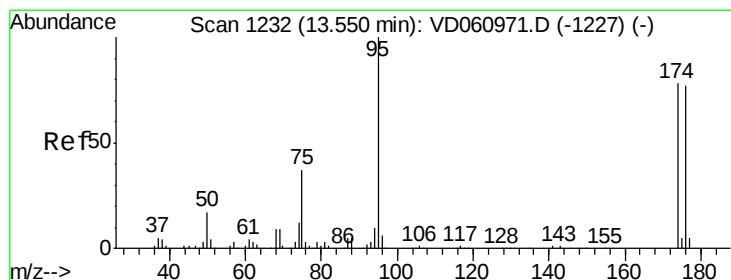
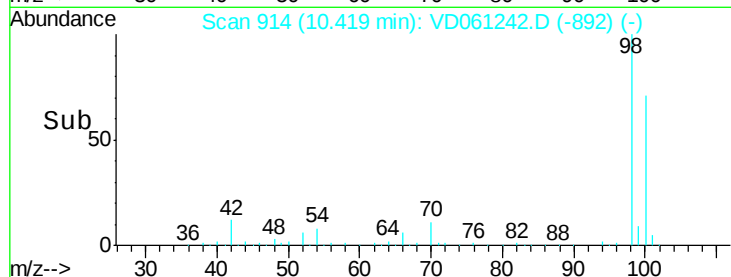
200000

100000

0

Time-->

10.30 10.40 10.50 10.60



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061242.D

Acq: 21 Mar 2019 14:04

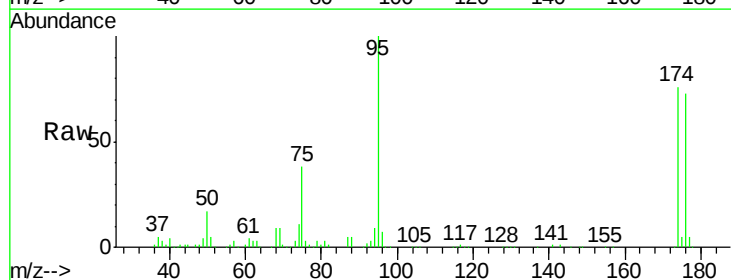
Tgt Ion: 95 Resp: 409250

Ion Ratio Lower Upper

95 100

174 76.4 0.0 155.6

176 73.2 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

13.56

400000

300000

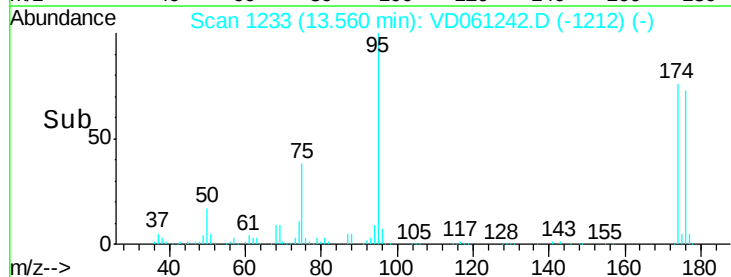
200000

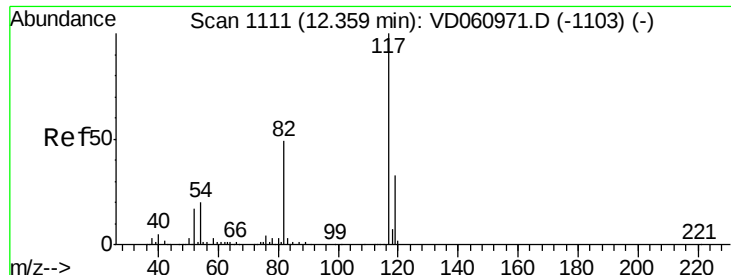
100000

0

Time-->

13.50 13.60 13.70

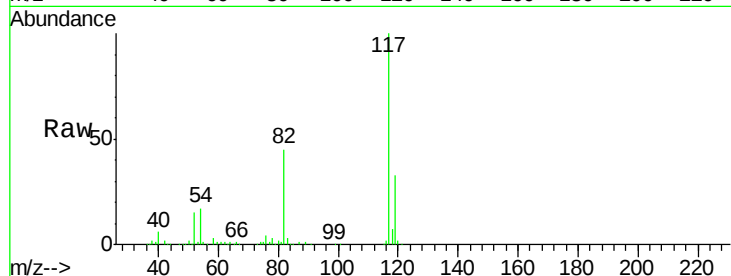




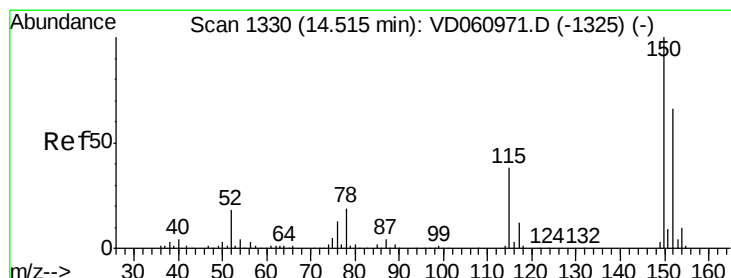
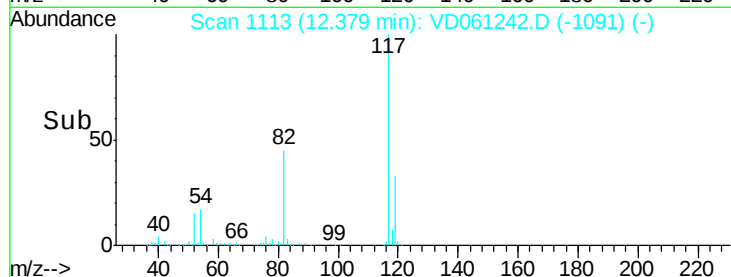
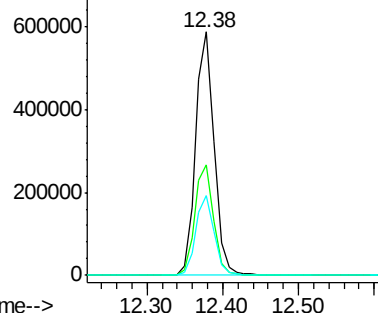
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061242.D
Acq: 21 Mar 2019 14:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1000002
Ion Ratio Lower Upper
117 100
82 45.4 38.9 58.3
119 32.9 26.6 39.8

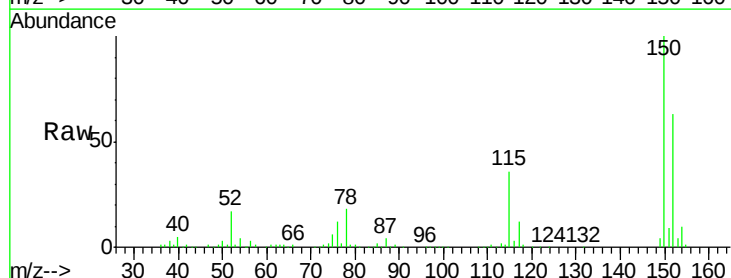


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

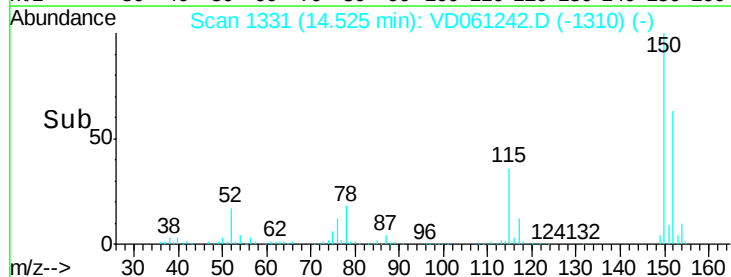
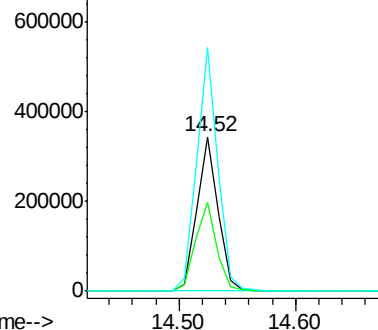


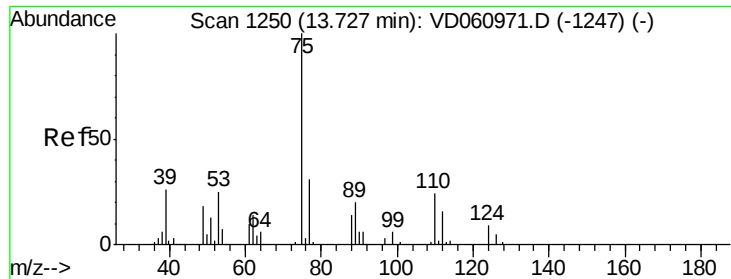
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061242.D
Acq: 21 Mar 2019 14:04

Tgt Ion:152 Resp: 432075
Ion Ratio Lower Upper
152 100
115 57.6 28.6 85.9
150 158.0 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: 18.700 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD061242.D

Acq: 21 Mar 2019 14:04

Instrument :

MSVOA_D

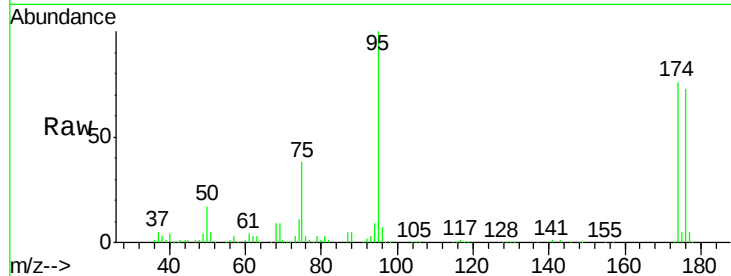
ClientSampleId :

Tot Ion: 75 Resp: 116241

Ion Ratio Lower Upper

75 100

77 1.4 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.56

120000

100000

80000

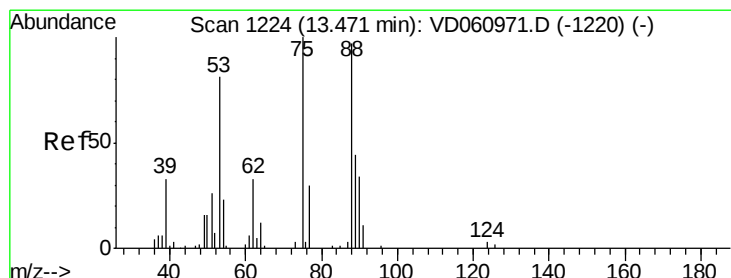
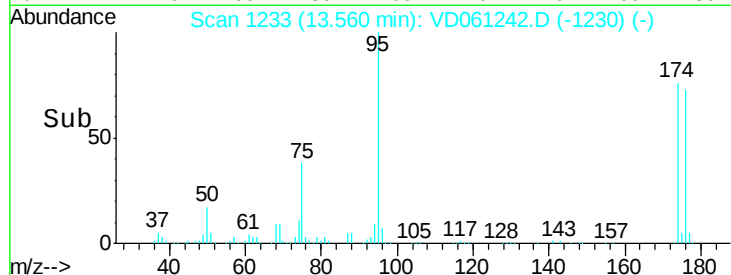
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 83.052 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061242.D

Acq: 21 Mar 2019 14:04

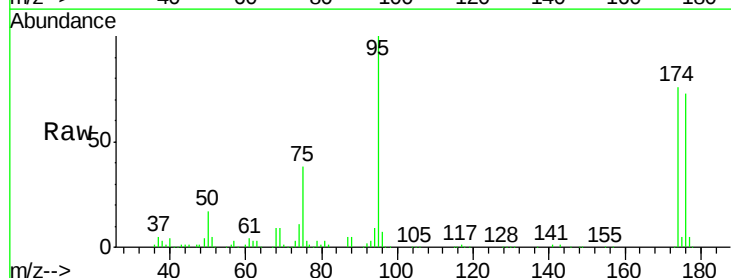
Tgt Ion: 75 Resp: 152206

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

150000

100000

50000

0

Time-->

