

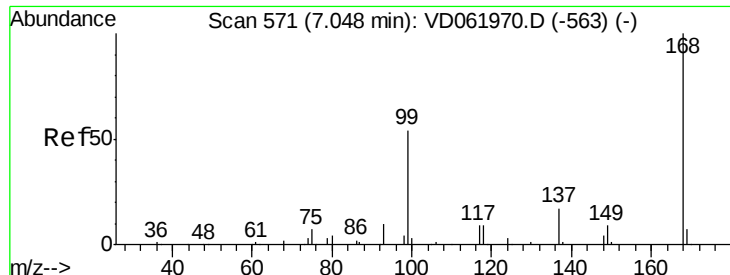
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042519\
 Data File : VD062038.D
 Acq On : 25 Apr 2019 14:53
 Operator : VA/AP
 Sample : K2529-01
 Misc : 6.91q/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 26 01:14:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	499026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	833393	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	702907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	304073	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	237646	60.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.70%	
35) Dibromofluoromethane	6.91	113	341002	59.16	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	118.32%	
50) Toluene-d8	10.41	98	741715	54.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.16%	
62) 4-Bromofluorobenzene	13.55	95	295703	53.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.52%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	3.81	84	41671	6.398	ug/l	97
31) Cyclohexane	7.04	56	8734	1.501	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	38947	5.998	ug/l #	45
38) Carbon Tetrachloride	7.04	117	49232	5.984	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	3126	1.264	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	114827	98.133	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062038.D

Acq: 25 Apr 2019 14:53

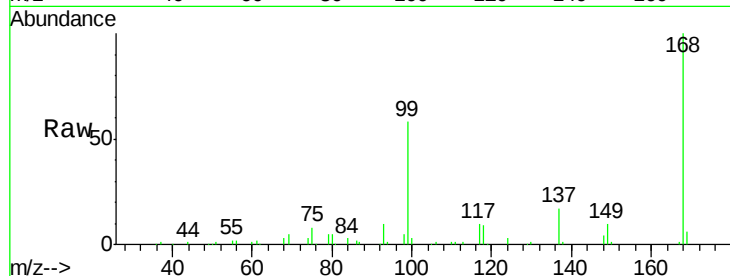
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 499026

Ion Ratio Lower Upper

168 100

99 57.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

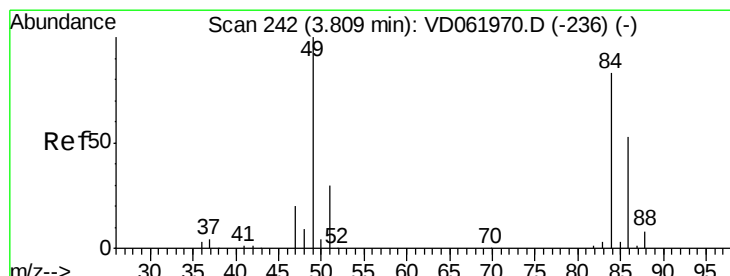
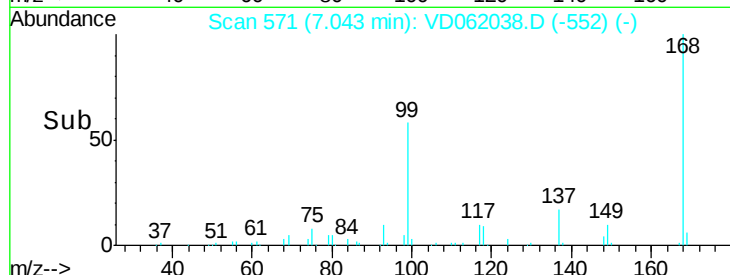
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 6.398 ug/l

RT: 3.81 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD062038.D

Acq: 25 Apr 2019 14:53

Tgt Ion: 84 Resp: 41671

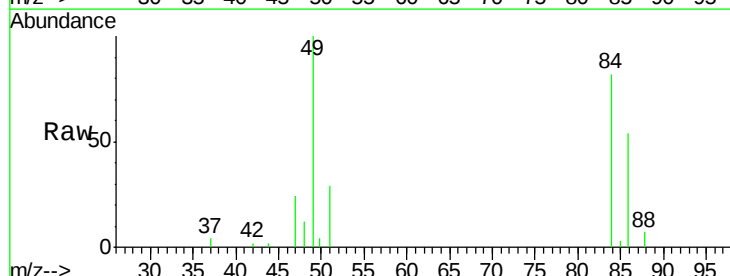
Ion Ratio Lower Upper

84 100

49 121.3 94.0 141.0

51 35.6 29.0 43.4

86 65.3 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

3.81

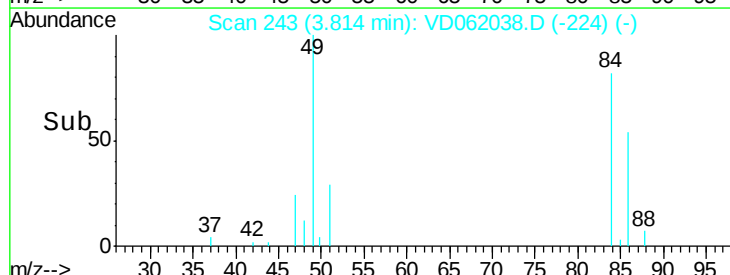
15000

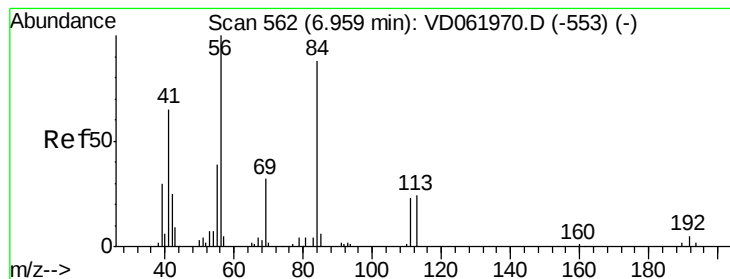
10000

5000

0

Time-->





#31

Cyclohexane

Concen: 1.501 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.08 min

Lab File: VD062038.D

Acq: 25 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampled :

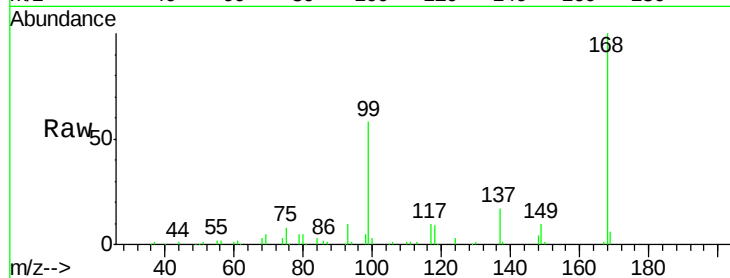
Tot Ion: 56 Resp: 8734

Ion Ratio Lower Upper

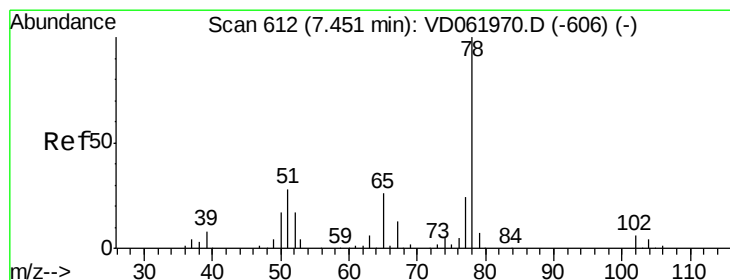
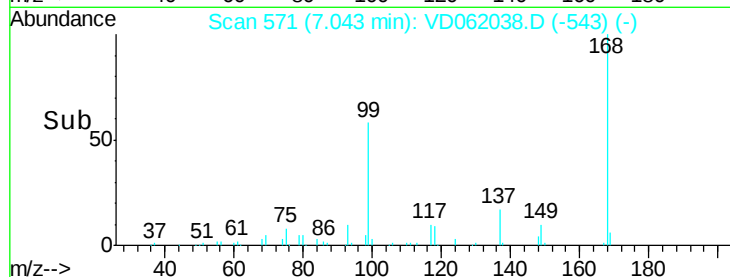
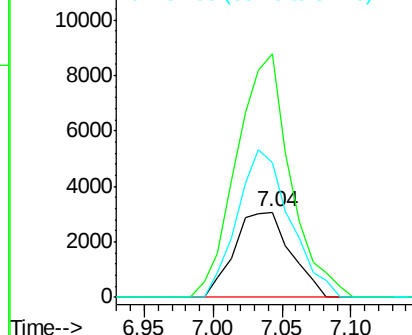
56 100

69 286.0 25.8 38.6#

84 158.7 72.2 108.4#



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: 60.847 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062038.D

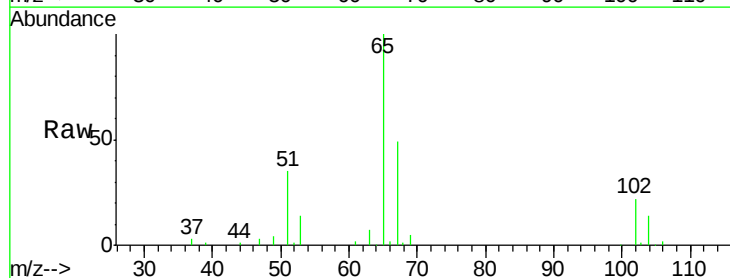
Acq: 25 Apr 2019 14:53

Tgt Ion: 65 Resp: 237646

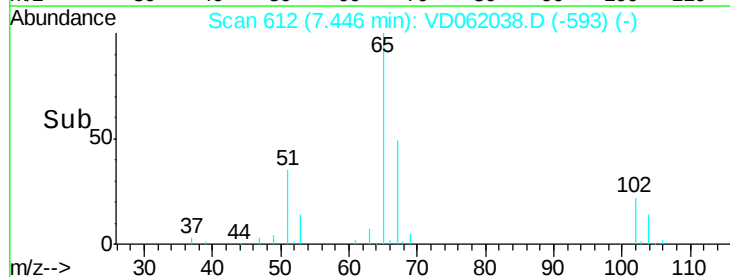
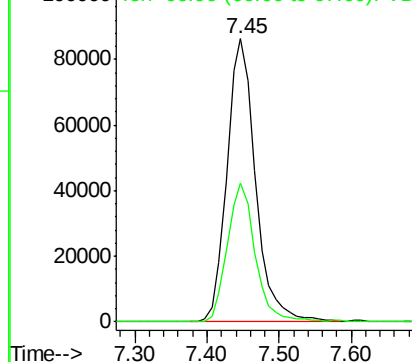
Ion Ratio Lower Upper

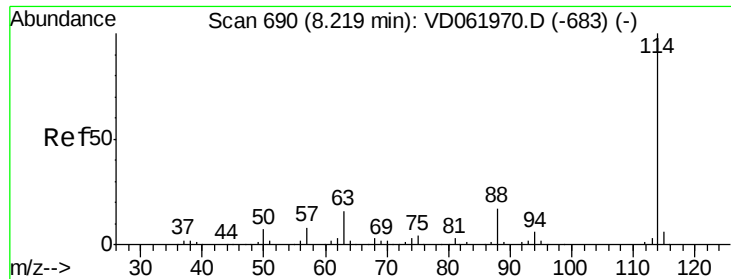
65 100

67 48.8 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: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062038.D

Acq: 25 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

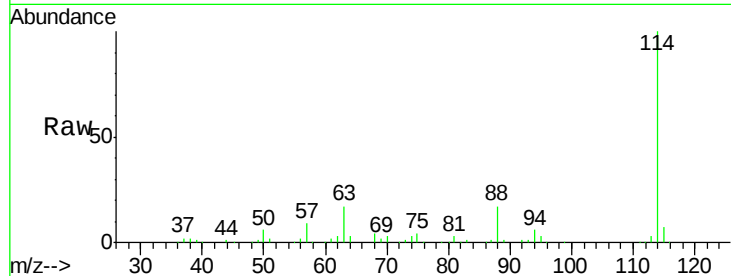
Tot Ion:114 Resp: 833393

Ion Ratio Lower Upper

114 100

63 16.9 0.0 32.4

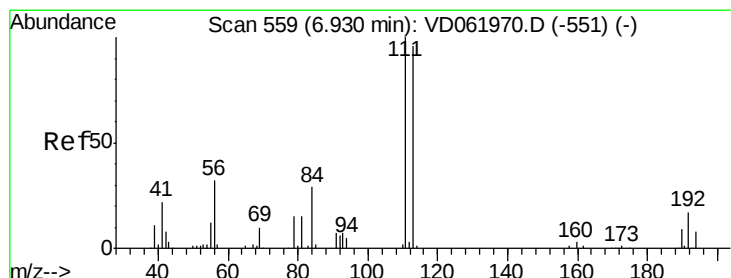
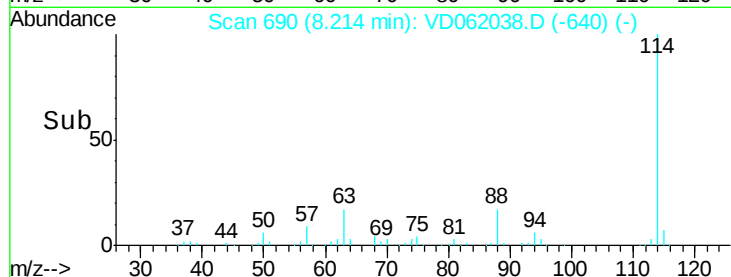
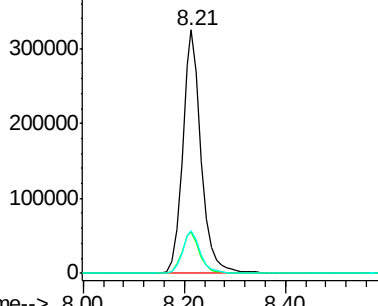
88 17.3 0.0 33.6



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: 59.164 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD062038.D

Acq: 25 Apr 2019 14:53

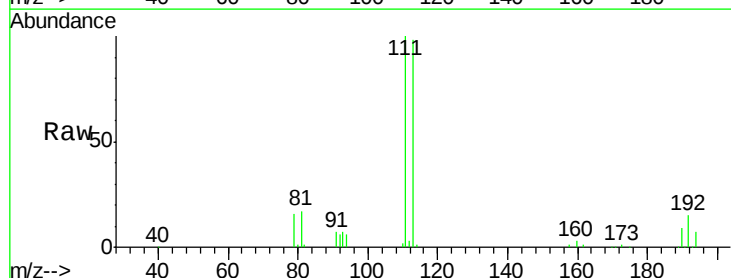
Tgt Ion:113 Resp: 341002

Ion Ratio Lower Upper

113 100

111 101.6 78.5 117.7

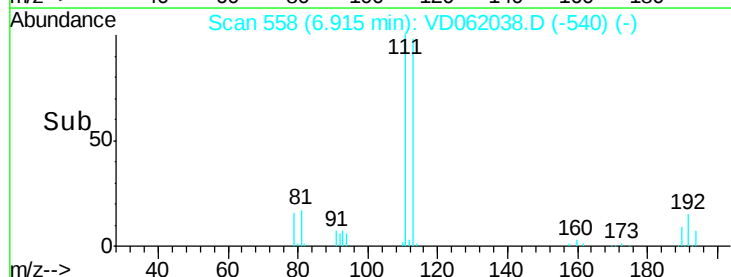
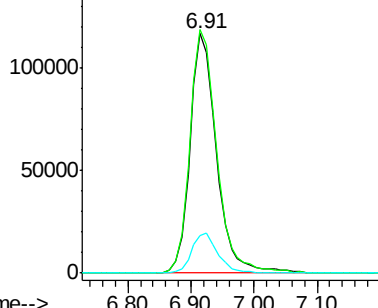
192 15.6 13.0 19.4

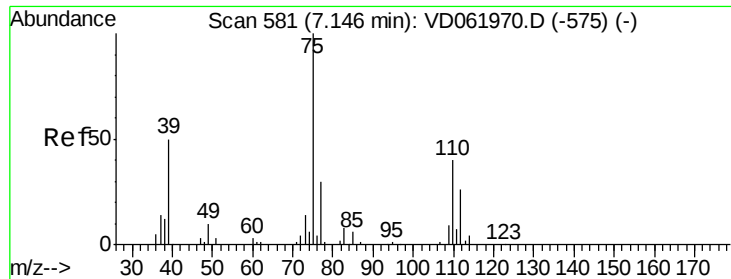


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

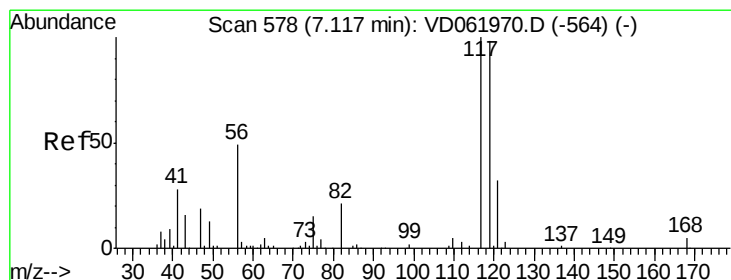
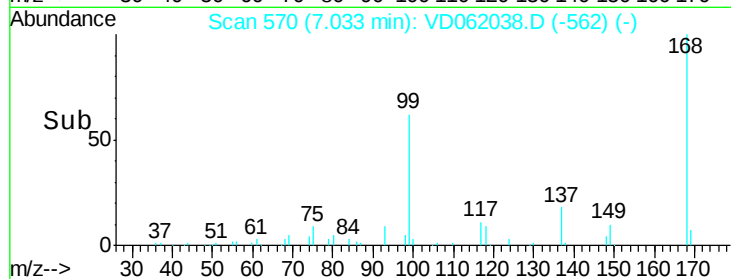
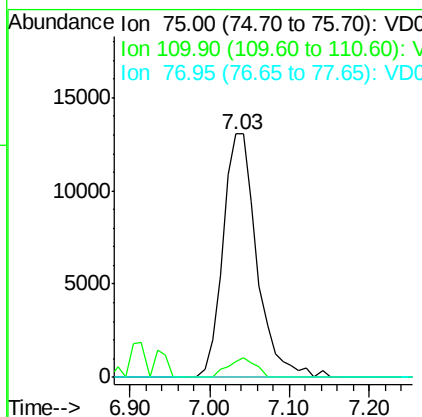
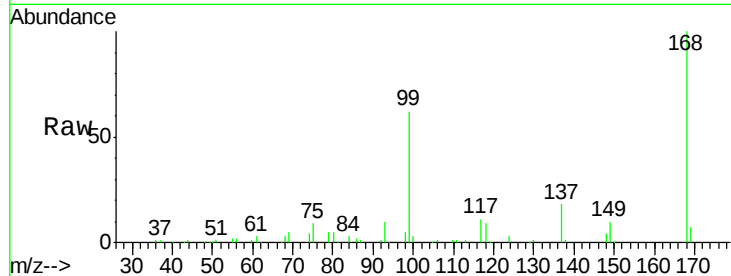




#36
 1,1-Dichloropropene
 Concen: 5.998 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.12 min
 Lab File: VD062038.D
 Acq: 25 Apr 2019 14:53

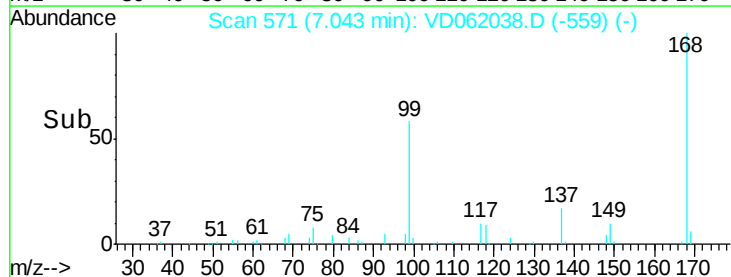
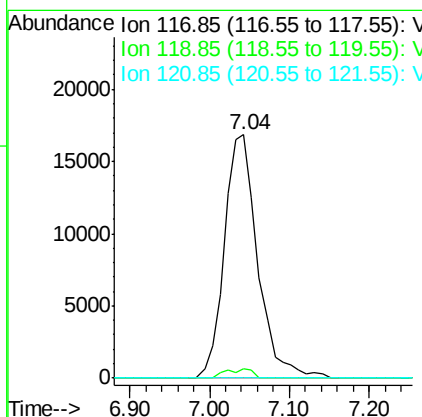
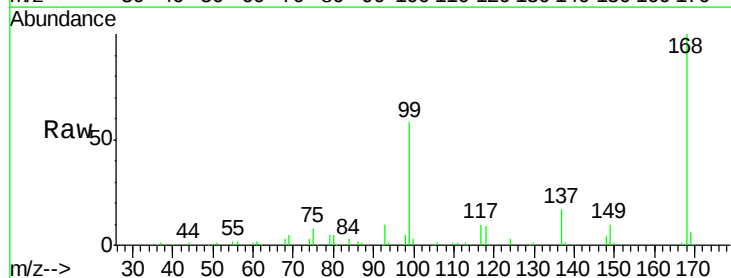
Instrument :
 MSVOA_D
 ClientSampleId :

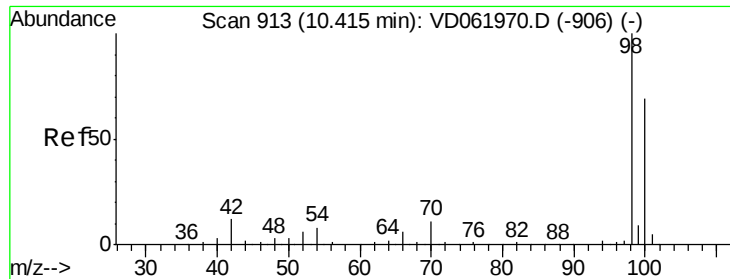
Tot Ion	75	Resp	38947
Ion Ratio	100	Lower	Upper
75	100		
110	6.4	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.984 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.08 min
 Lab File: VD062038.D
 Acq: 25 Apr 2019 14:53

Tgt Ion	117	Resp	49232
Ion Ratio	100	Lower	Upper
117	100		
119	4.1	75.8	113.8#
121	0.0	25.9	38.9#

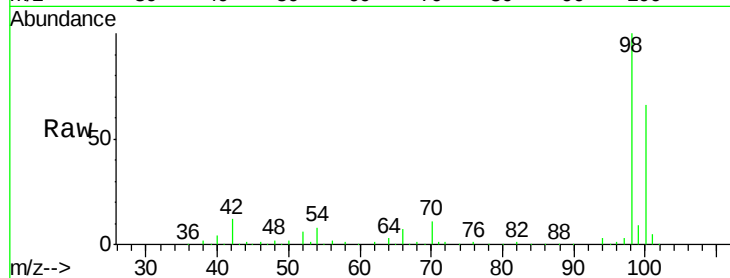




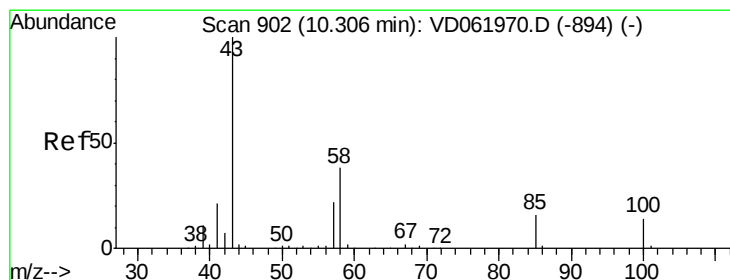
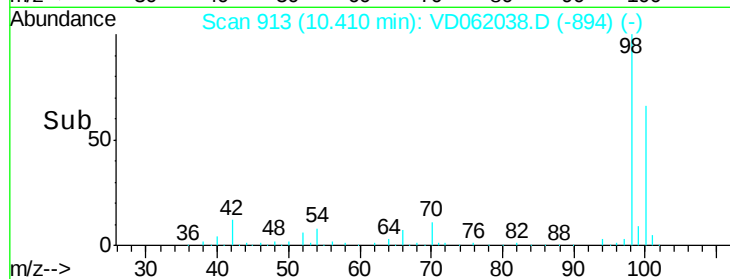
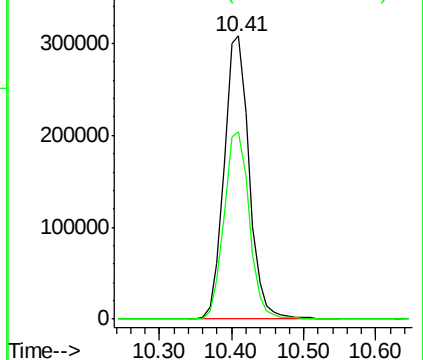
#50
Toluene-d8
Concen: 54.082 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062038.D
Acq: 25 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 741715
Ion Ratio Lower Upper
98 100
100 66.2 53.8 80.8

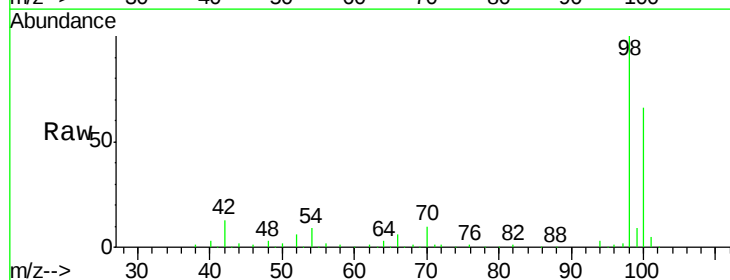


Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

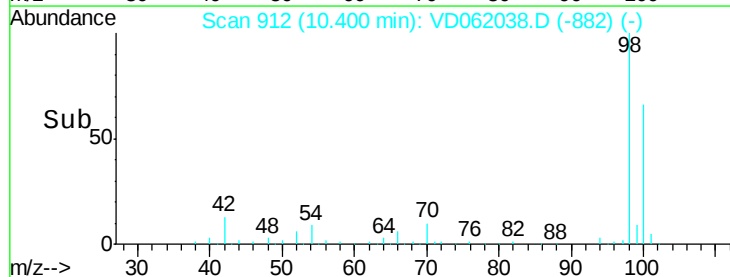
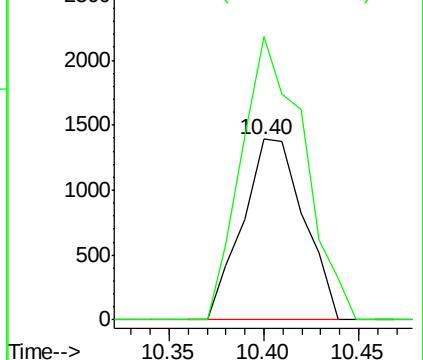


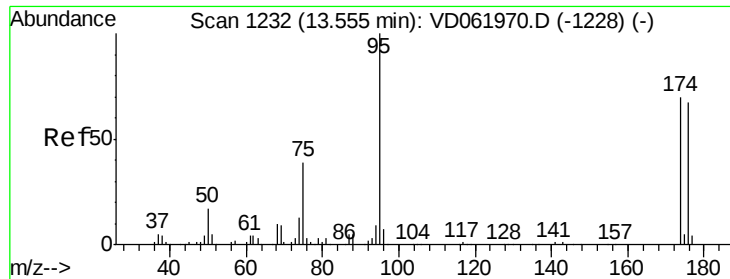
#51
4-Methyl-2-Pentanone
Concen: 1.264 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.10 min
Lab File: VD062038.D
Acq: 25 Apr 2019 14:53

Tgt Ion: 43 Resp: 3126
Ion Ratio Lower Upper
43 100
58 156.9 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VD061970.D (-894) (-)
Ion 57.95 (57.65 to 58.65): VD061970.D (-894) (-)





#62

4-Bromofluorobenzene

Concen: 53.756 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062038.D

Acq: 25 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampled :

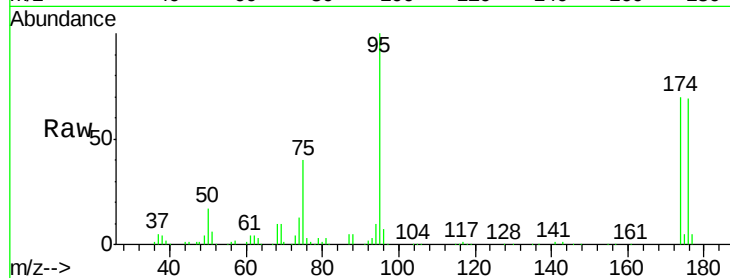
Tot Ion: 95 Resp: 295703

Ion Ratio Lower Upper

95 100

174 70.0 0.0 181.8

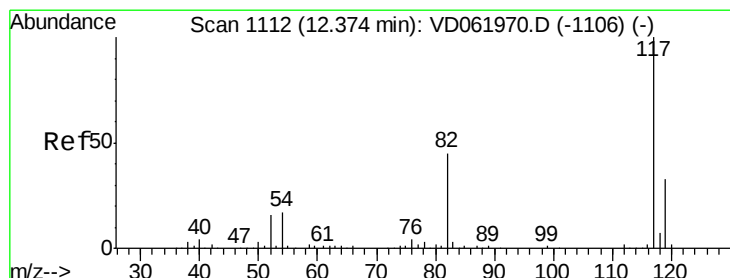
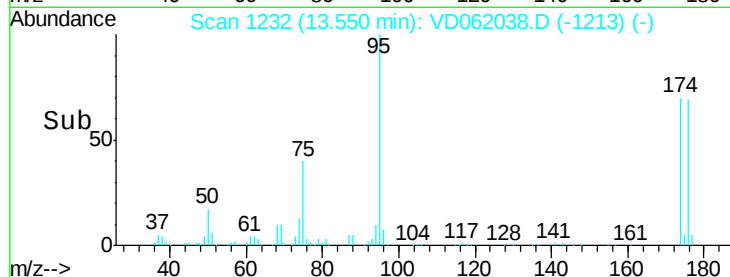
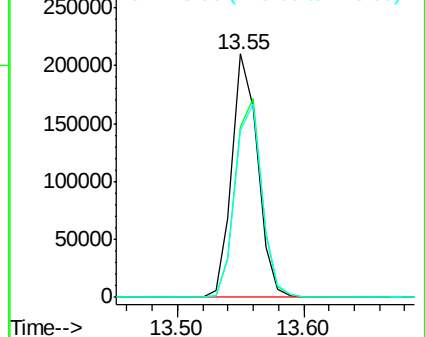
176 68.5 0.0 174.4



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. 0.00 min

Lab File: VD062038.D

Acq: 25 Apr 2019 14:53

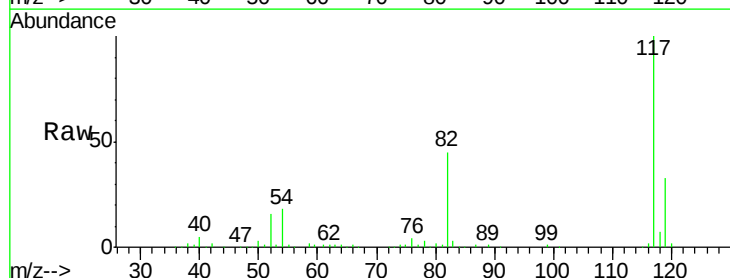
Tgt Ion: 117 Resp: 702907

Ion Ratio Lower Upper

117 100

82 45.2 36.2 54.2

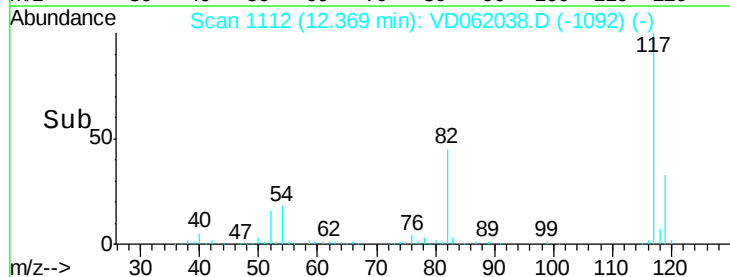
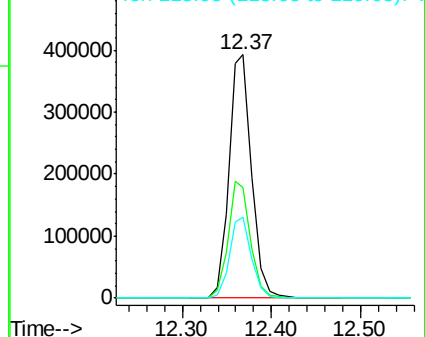
119 33.2 26.2 39.4

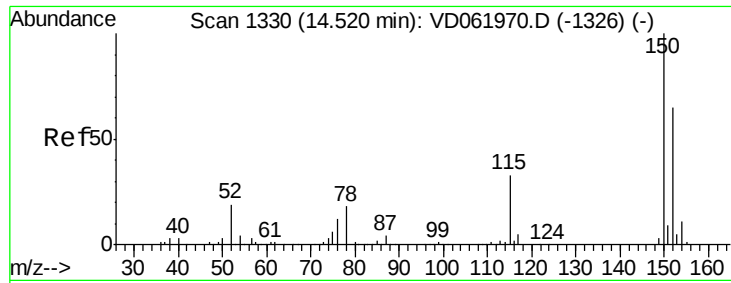


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



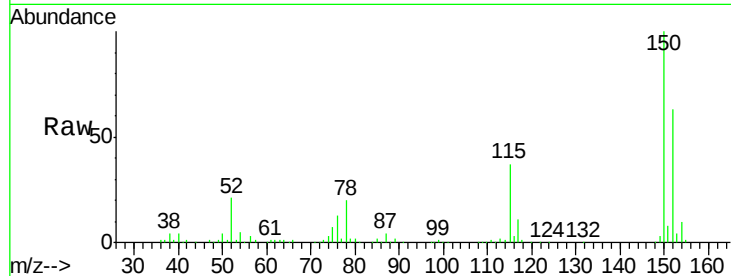


#72

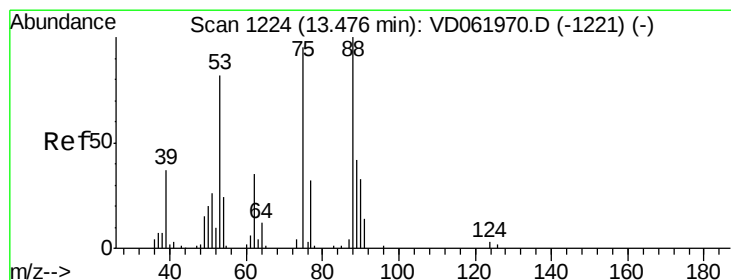
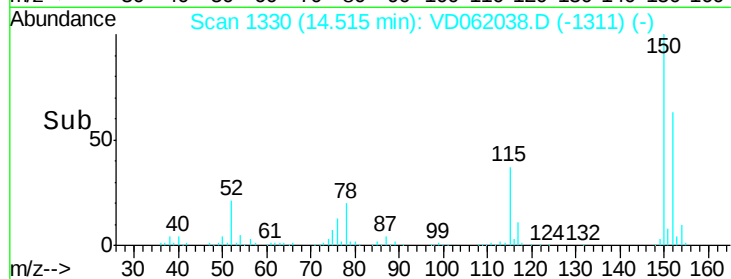
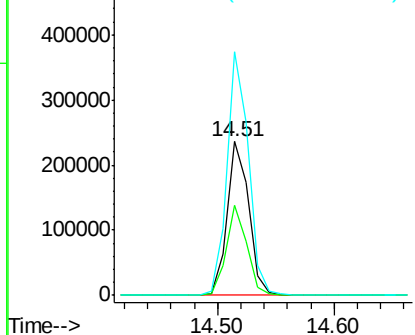
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062038.D
Acq: 25 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 304073
Ion Ratio Lower Upper
152 100
115 58.5 30.9 92.7
150 158.7 0.0 314.8



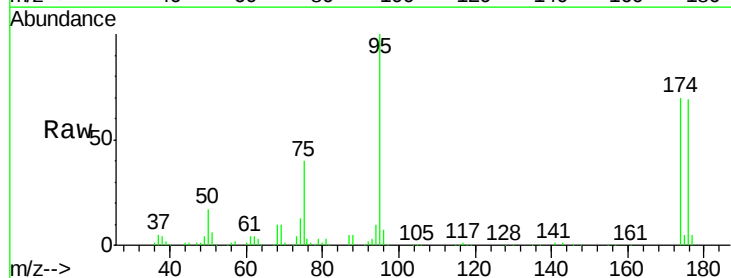
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 98.133 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD062038.D
Acq: 25 Apr 2019 14:53

Tgt Ion: 75 Resp: 114827
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

