

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062010.D
 Acq On : 24 Apr 2019 21:20
 Operator : VA/AP
 Sample : K2532-22
 Misc : 4.40g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

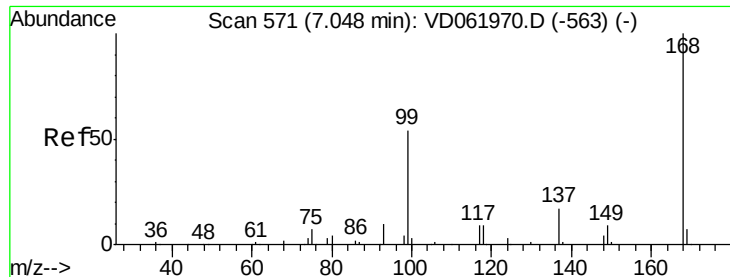
Quant Time: Apr 25 01:36:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	403096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	711328	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	613176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	272210	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	208064	65.95	ug/l	0.00
Spiked Amount			Recovery	=	131.90%	
35) Dibromofluoromethane	6.92	113	296608	60.29	ug/l	-0.01
Spiked Amount			Recovery	=	120.58%	
50) Toluene-d8	10.41	98	595006	50.83	ug/l	-0.01
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	13.56	95	247951	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	251	Below Cal	#	12
8) Diethyl Ether	2.88	74	2771	2.466	ug/l	94
11) Tert butyl alcohol	4.05	59	266	1.492	ug/l #	76
16) Acetone	3.22	43	44097	58.540	ug/l	95
18) Methyl Acetate	3.65	43	185	Below Cal	#	53
20) Methylene Chloride	3.81	84	39172	8.003	ug/l	95
31) Cyclohexane	7.05	56	6752	1.437	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	29006	5.234	ug/l #	46
38) Carbon Tetrachloride	7.04	117	38697	5.510	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	2760	1.308	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	96318	91.950	ug/l #	16

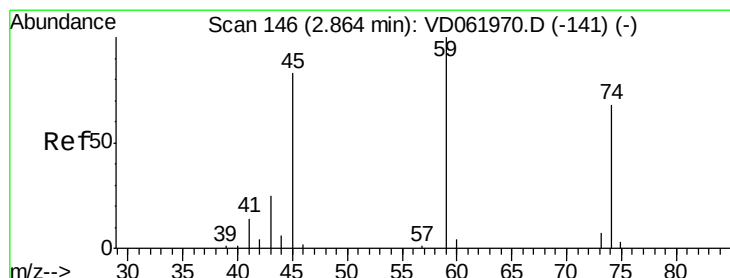
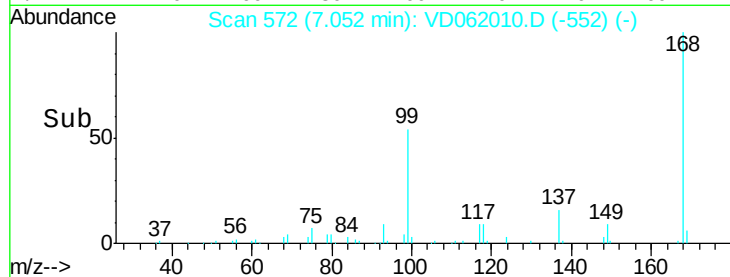
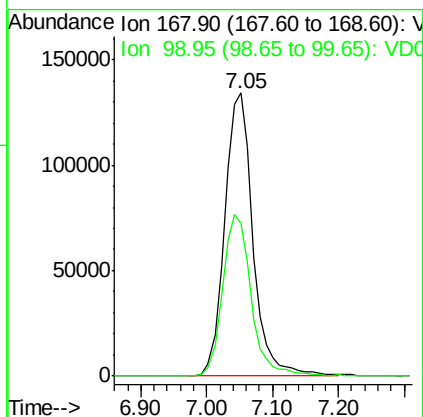
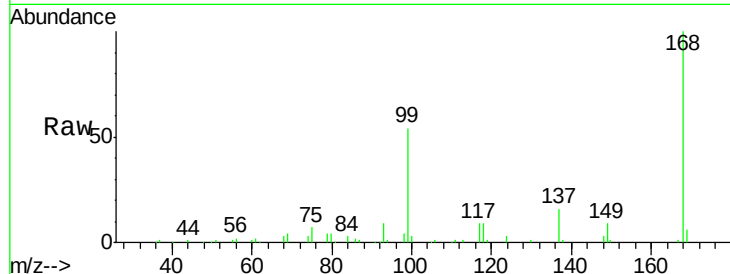
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.00 min
Lab File: VD062010.D
Acq: 24 Apr 2019 21:20

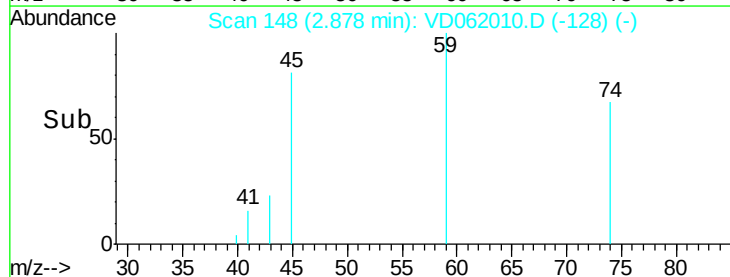
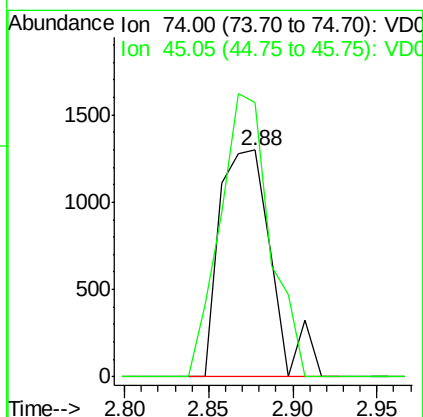
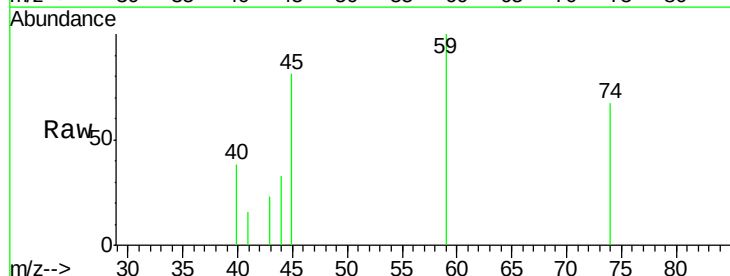
Instrument :
MSVOA_D
ClientSampleId :

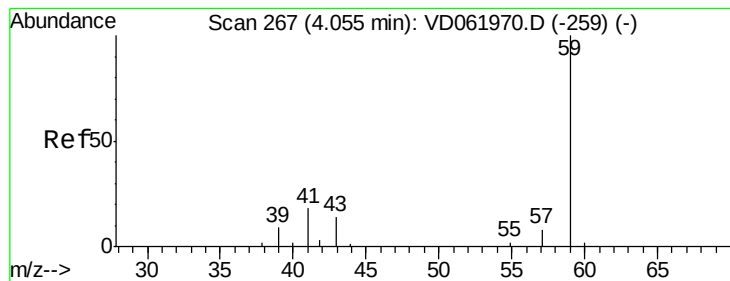
Tot Ion:168 Resp: 403096
Ion Ratio Lower Upper
168 100
99 54.2 46.5 69.7



#8
Diethyl Ether
Concen: 2.466 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.00 min
Lab File: VD062010.D
Acq: 24 Apr 2019 21:20

Tgt Ion: 74 Resp: 2771
Ion Ratio Lower Upper
74 100
45 120.8 56.9 170.7





#11

Tert butyl alcohol

Concen: 1.492 ug/l

RT: 4.05 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD062010.D

Acq: 24 Apr 2019 21:20

Instrument :

MSVOA_D

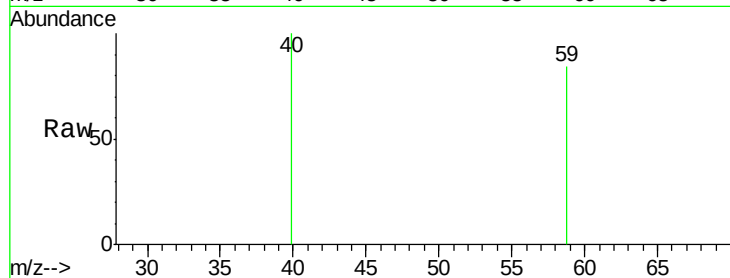
ClientSampled :

Tot Ion: 59 Resp: 266

Ion Ratio Lower Upper

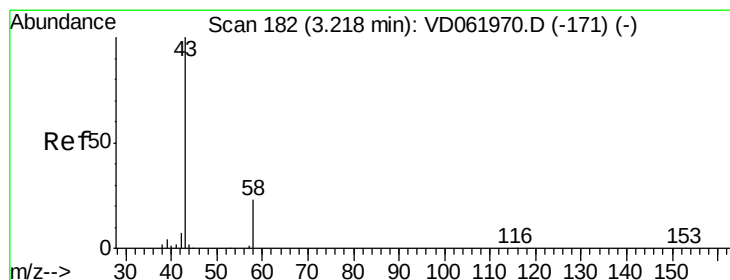
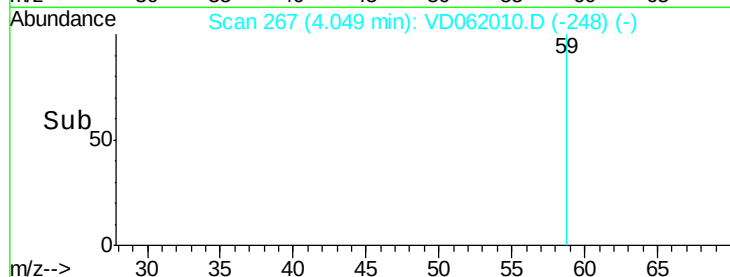
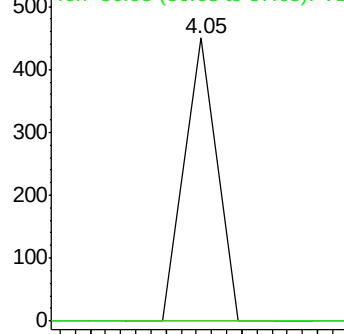
59 100

57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#16

Acetone

Concen: 58.540 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062010.D

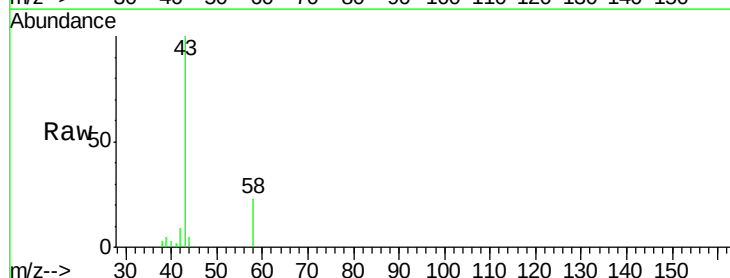
Acq: 24 Apr 2019 21:20

Tgt Ion: 43 Resp: 44097

Ion Ratio Lower Upper

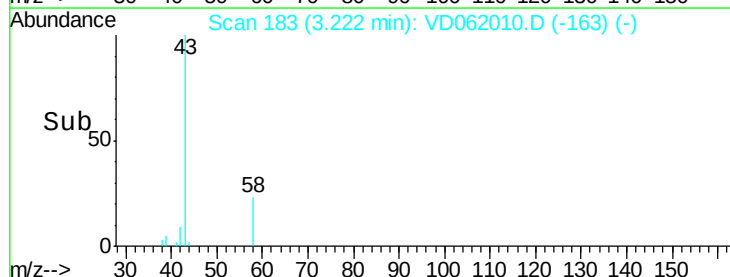
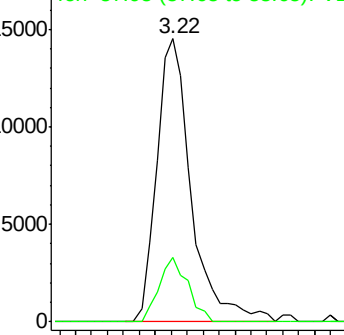
43 100

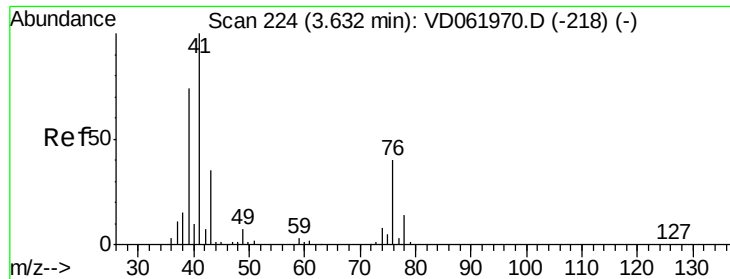
58 22.6 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

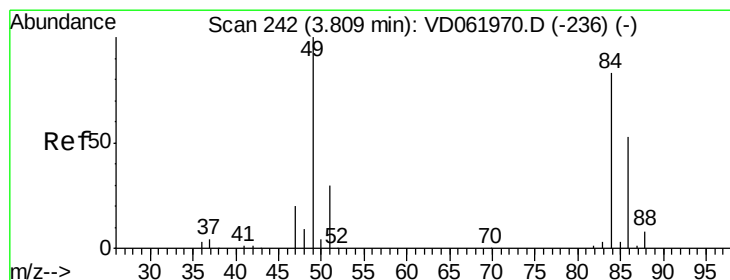
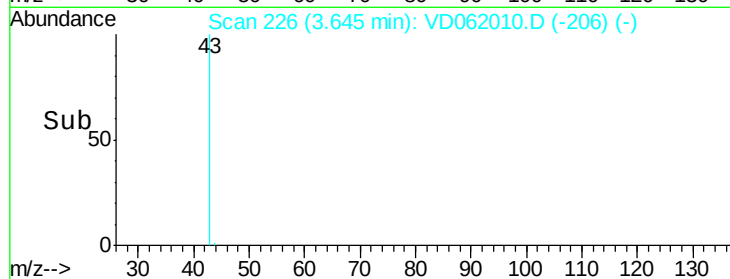
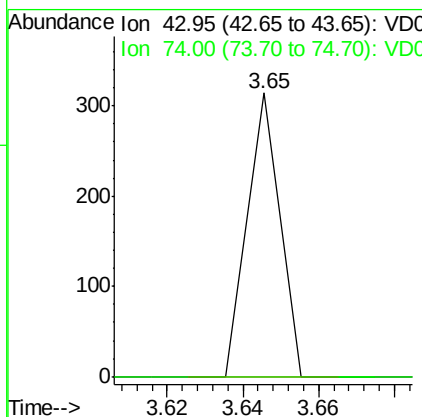
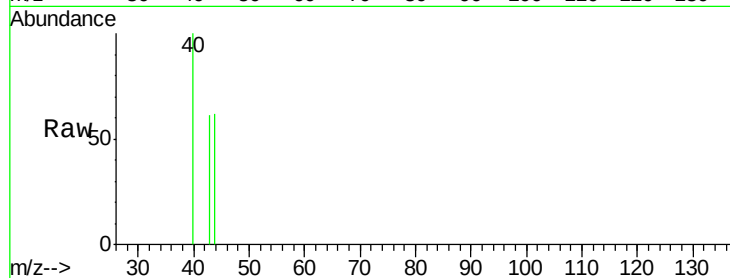




#18
Methyl Acetate
Concen: Below Cal
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD062010.D
Acq: 24 Apr 2019 21:20

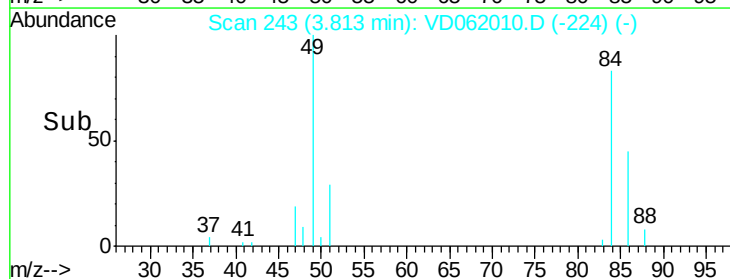
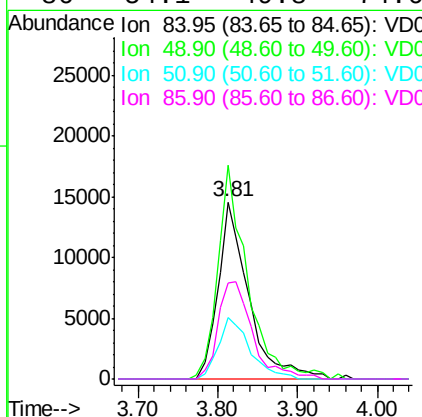
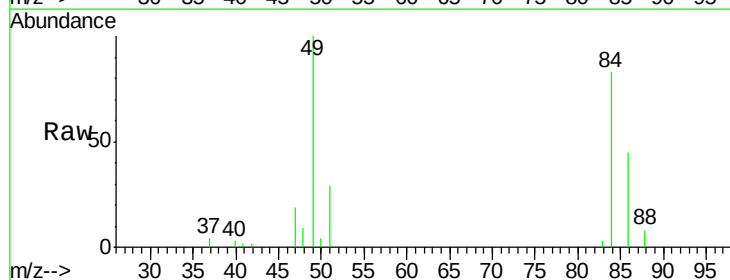
Instrument :
MSVOA_D
ClientSampleId :

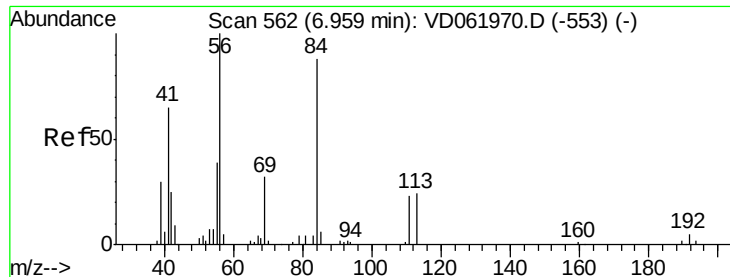
Tot Ion: 43 Resp: 185
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 8.003 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062010.D
Acq: 24 Apr 2019 21:20

Tgt Ion: 84 Resp: 39172
Ion Ratio Lower Upper
84 100
49 120.5 94.0 141.0
51 34.9 29.0 43.4
86 54.1 49.8 74.6

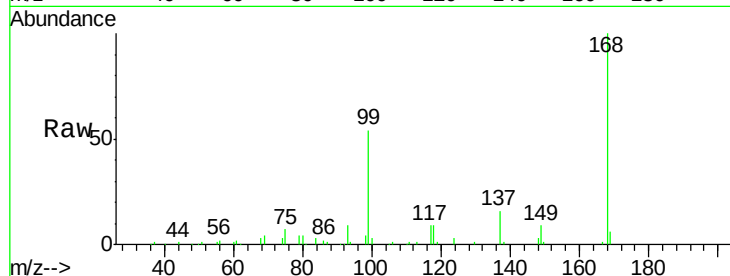




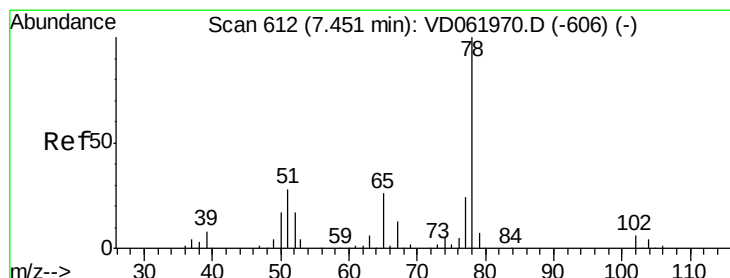
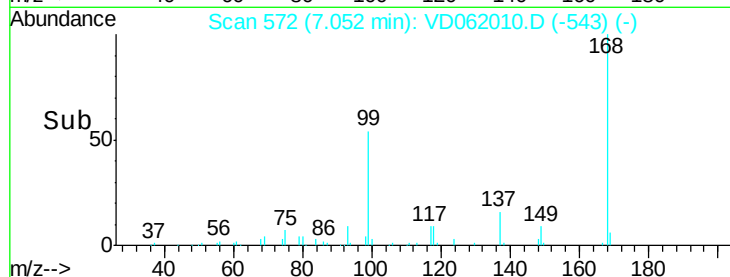
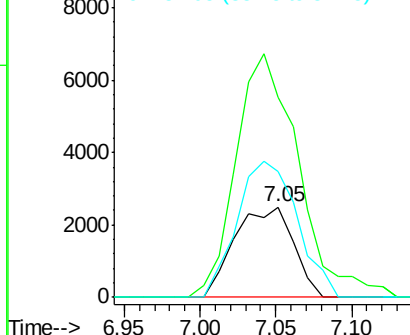
#31
Cyclohexane
Concen: 1.437 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.09 min
Lab File: VD062010.D
Acq: 24 Apr 2019 21:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 6752
Ion Ratio Lower Upper
56 100
69 220.9 25.8 38.6#
84 139.0 72.2 108.4#

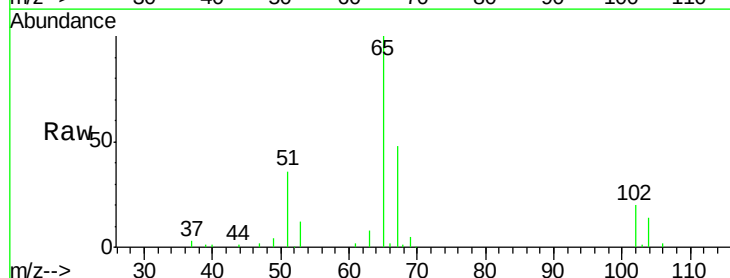


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

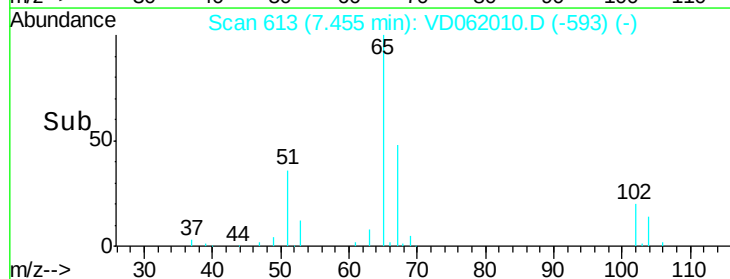
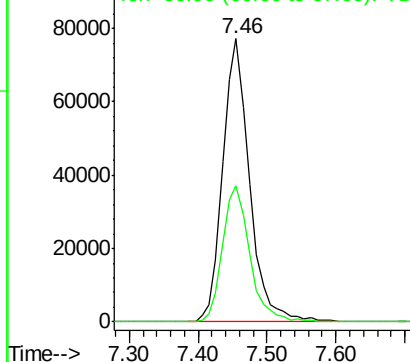


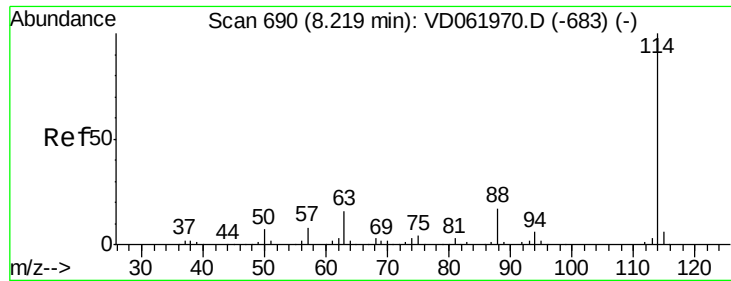
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD062010.D
Acq: 24 Apr 2019 21:20

Tgt Ion: 65 Resp: 208064
Ion Ratio Lower Upper
65 100
67 48.1 0.0 98.0



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

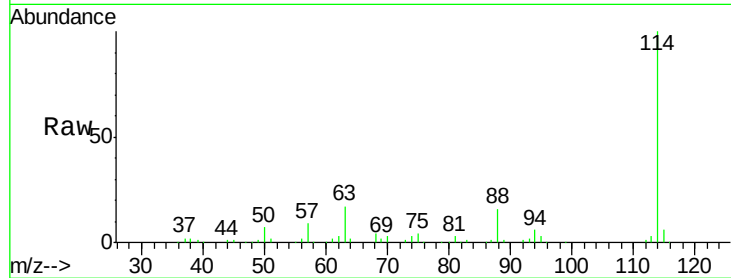




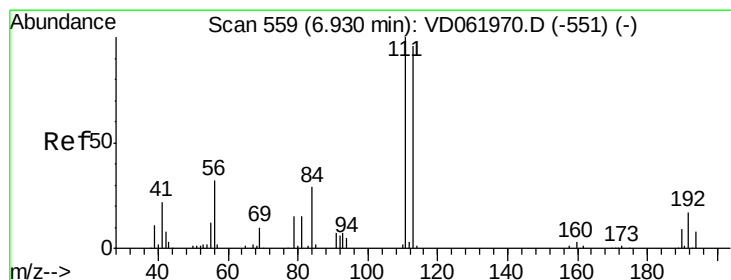
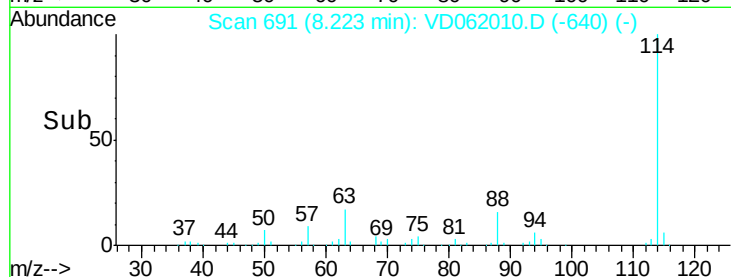
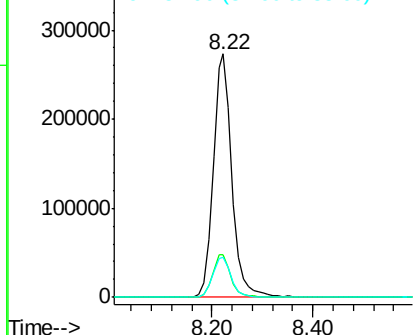
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD062010.D
 Acq: 24 Apr 2019 21:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 711328
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 32.4
 88 16.5 0.0 33.6

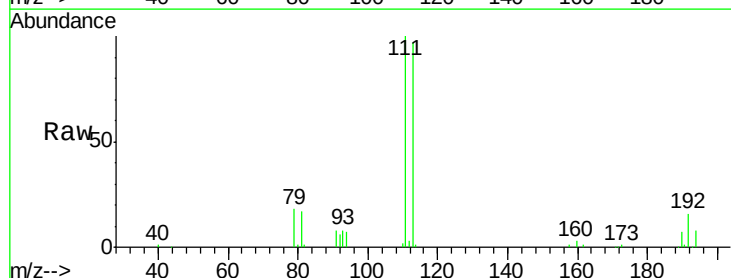


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

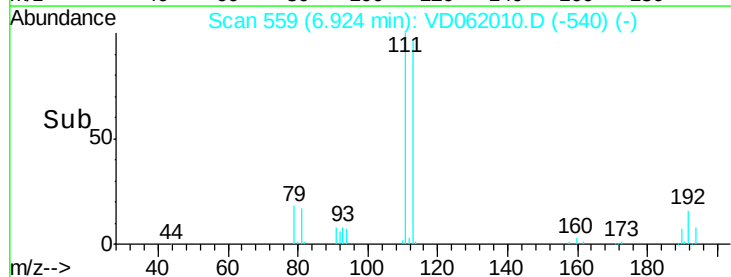
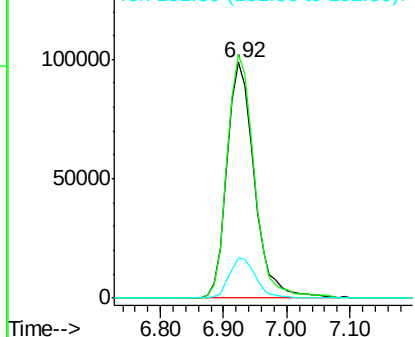


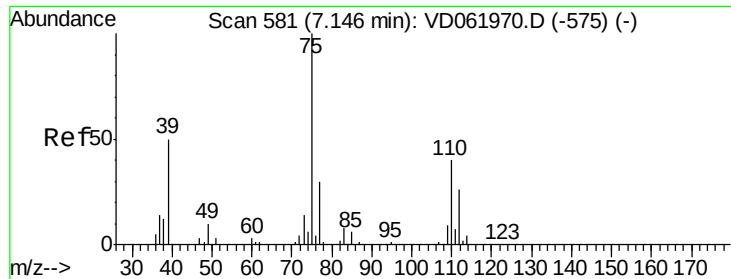
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD062010.D
 Acq: 24 Apr 2019 21:20

Tgt Ion:113 Resp: 296608
 Ion Ratio Lower Upper
 113 100
 111 103.2 78.5 117.7
 192 16.7 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

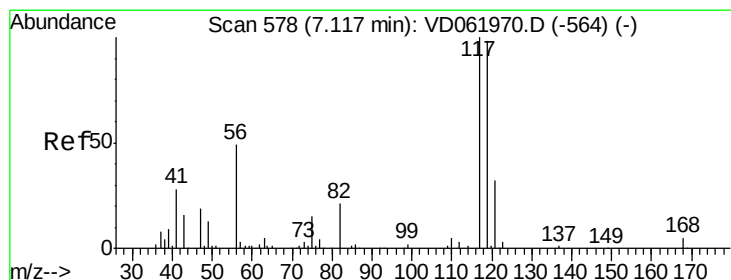
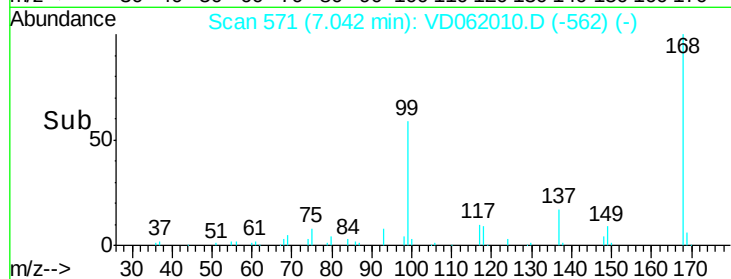
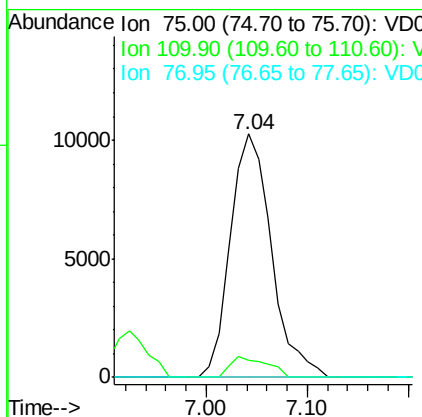
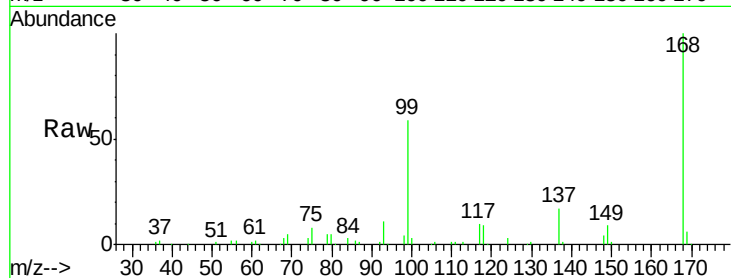




#36
 1,1-Dichloropropene
 Concen: 5.234 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.11 min
 Lab File: VD062010.D
 Acq: 24 Apr 2019 21:20

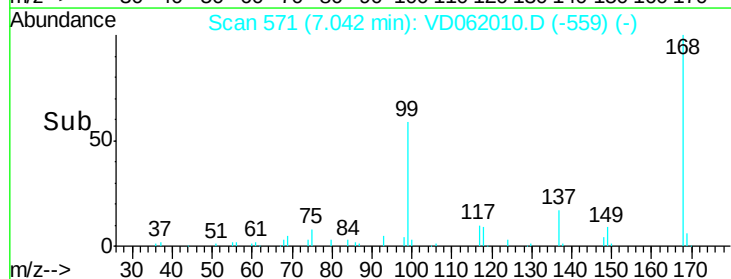
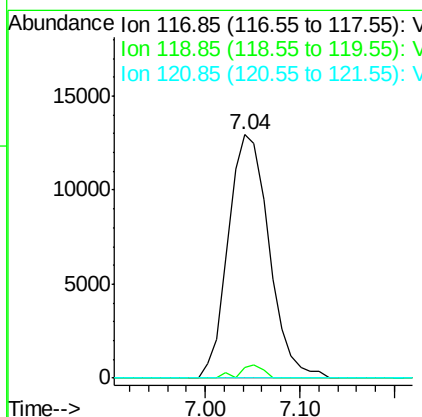
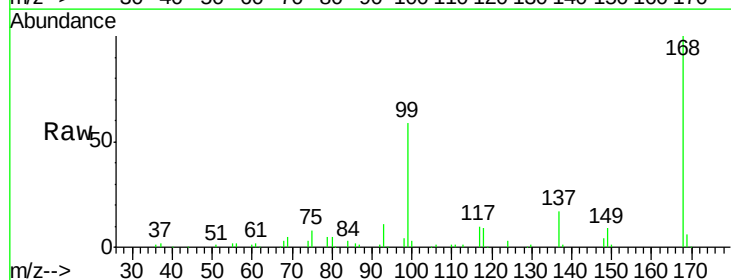
Instrument :
 MSVOA_D
 ClientSampled :

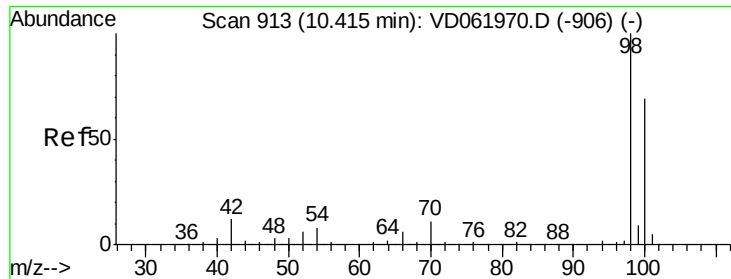
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.9	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.510 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.08 min
 Lab File: VD062010.D
 Acq: 24 Apr 2019 21:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	75.8	113.8#
121	0.0	25.9	38.9#

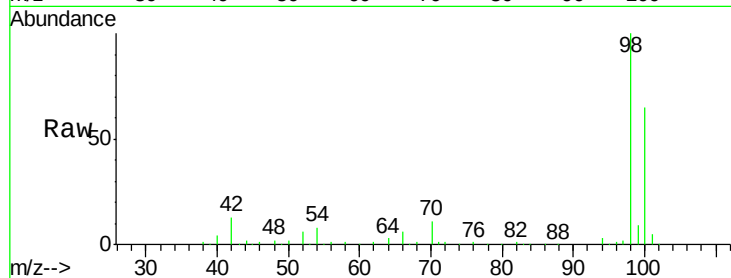




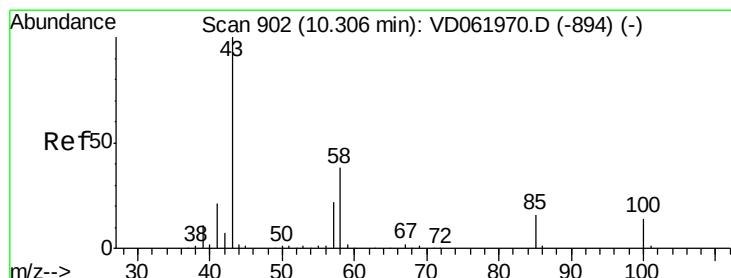
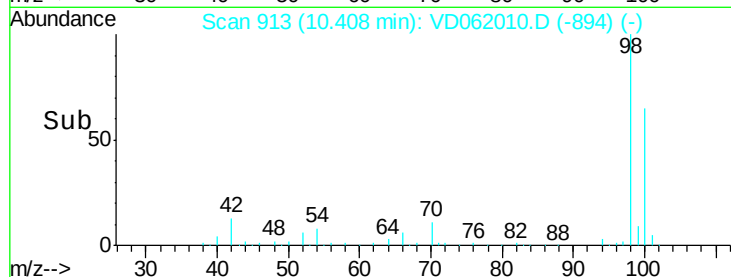
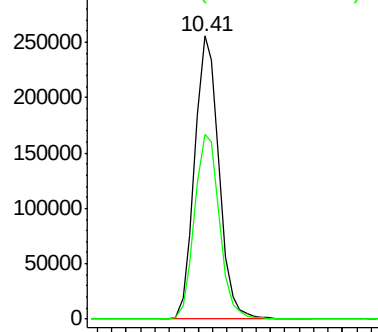
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062010.D
Acq: 24 Apr 2019 21:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 595006
Ion Ratio Lower Upper
98 100
100 65.4 53.8 80.8

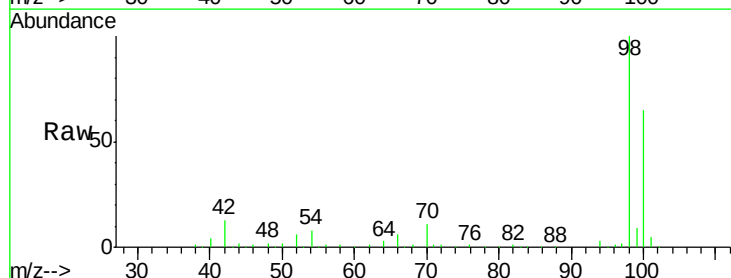


Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

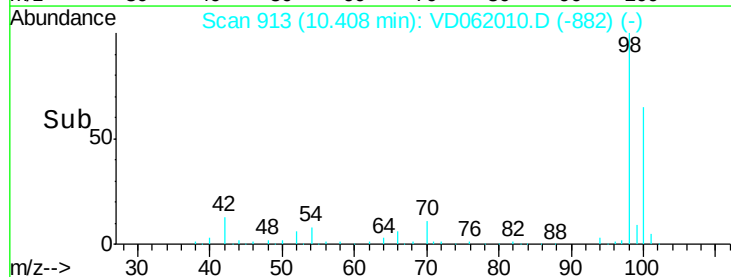
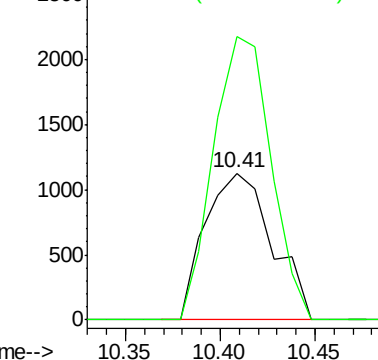


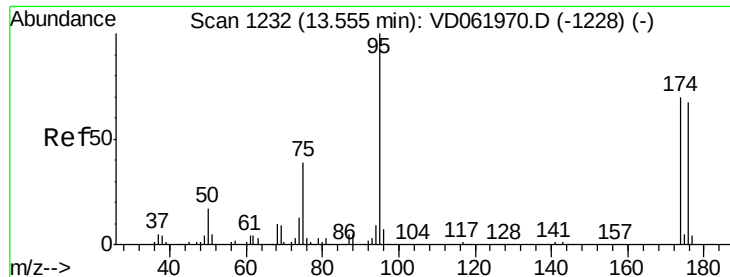
#51
4-Methyl-2-Pentanone
Concen: 1.308 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.11 min
Lab File: VD062010.D
Acq: 24 Apr 2019 21:20

Tgt Ion: 43 Resp: 2760
Ion Ratio Lower Upper
43 100
58 193.2 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: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD062010.D

Acq: 24 Apr 2019 21:20

Instrument :

MSVOA_D

ClientSampleId :

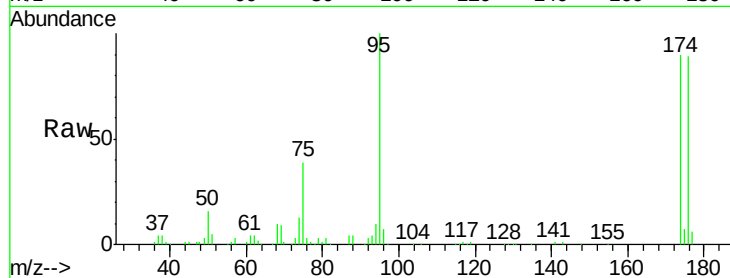
Tot Ion: 95 Resp: 247951

Ion Ratio Lower Upper

95 100

174 89.9 0.0 181.8

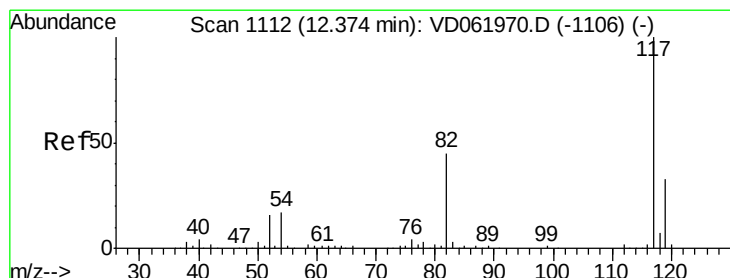
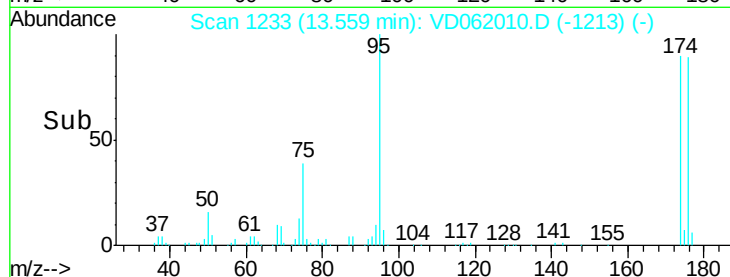
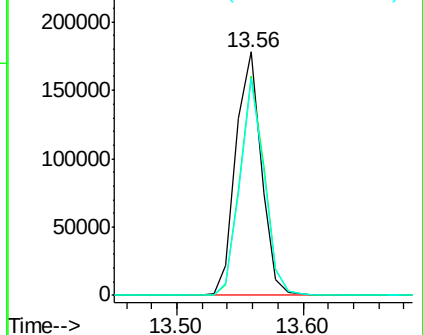
176 88.9 0.0 174.4



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: VD062010.D

Acq: 24 Apr 2019 21:20

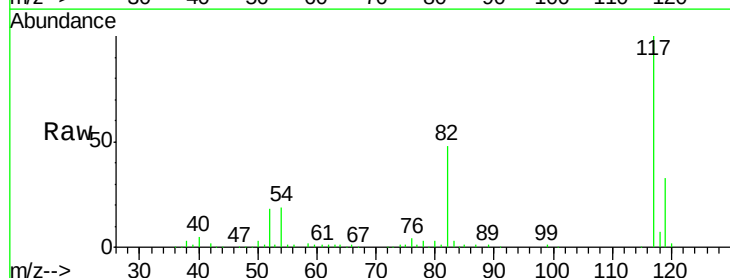
Tgt Ion: 117 Resp: 613176

Ion Ratio Lower Upper

117 100

82 47.9 36.2 54.2

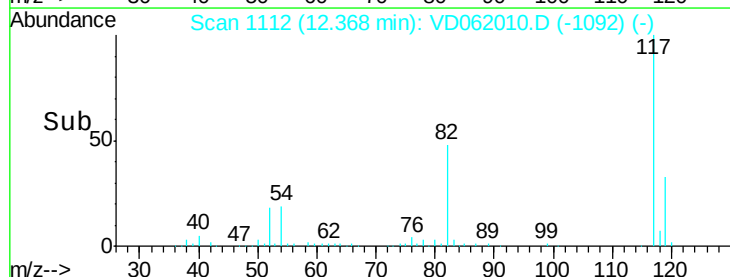
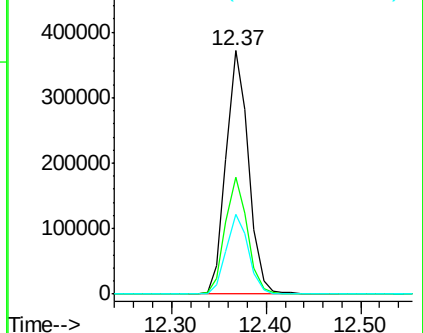
119 32.7 26.2 39.4

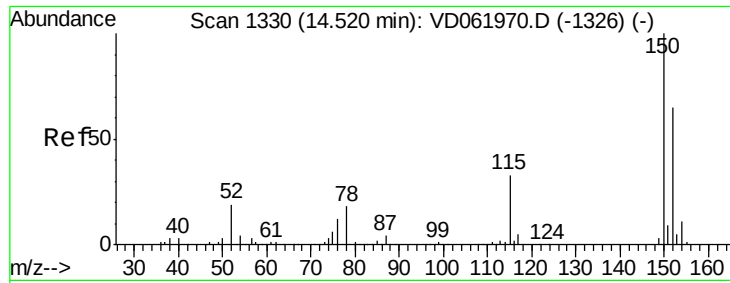


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

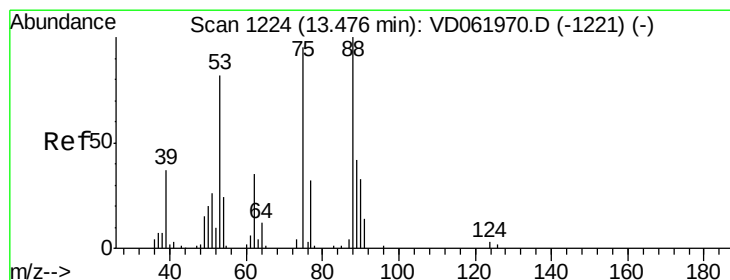
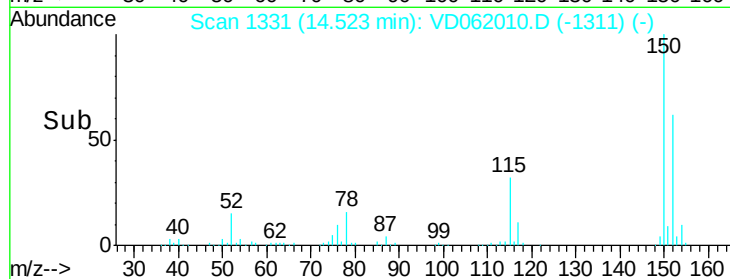
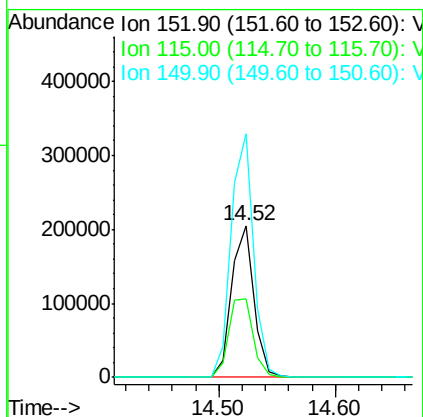
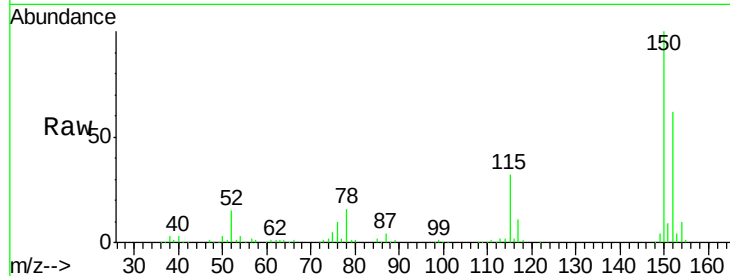




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD062010.D
 Acq: 24 Apr 2019 21:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:152 Resp: 272210
 Ion Ratio Lower Upper
 152 100
 115 52.1 30.9 92.7
 150 160.3 0.0 314.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.950 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.08 min
 Lab File: VD062010.D
 Acq: 24 Apr 2019 21:20

Tgt Ion: 75 Resp: 96318
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

