

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061741.D
 Acq On : 11 Apr 2019 15:21
 Operator : VA/AP
 Sample : K2203-07
 Misc : 5.65g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 01:00:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

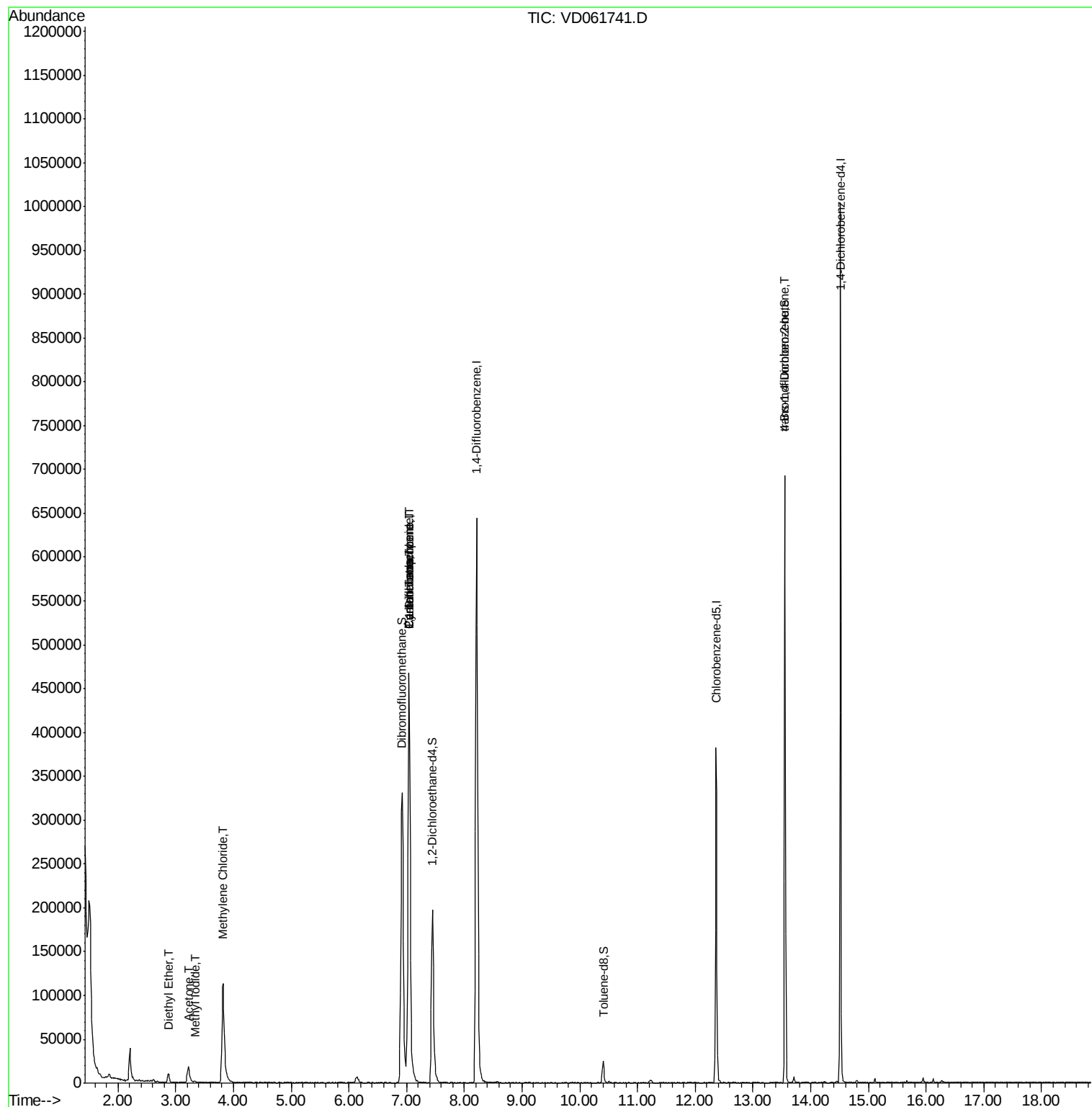
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	483307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	775056	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	248505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	220115	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	207168	56.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.10%	
35) Dibromofluoromethane	6.92	113	323557	60.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.52%	
50) Toluene-d8	10.41	98	25202	1.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	3.74%	
62) 4-Bromofluorobenzene	13.55	95	225375	46.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.84%	
Target Compounds						
8) Diethyl Ether	2.88	74	5214	3.125	ug/l	80
10) Methyl Iodide	3.34	142	1470	3.811	ug/l #	38
16) Acetone	3.22	43	42725	39.014	ug/l	90
20) Methylene Chloride	3.82	84	90240	14.521	ug/l	93
31) Cyclohexane	7.03	56	8177	1.186	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	35119	5.177	ug/l #	45
38) Carbon Tetrachloride	7.04	117	46880	5.897	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	83498	91.883	ug/l #	20

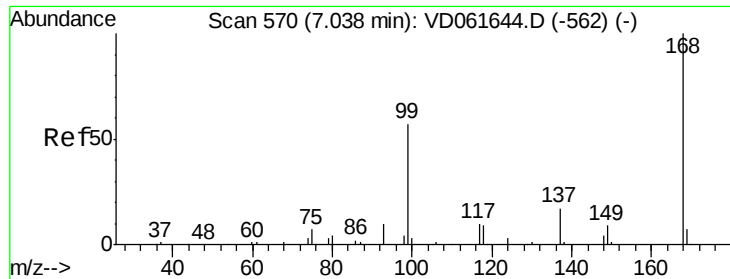
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061741.D

Acq: 11 Apr 2019 15:21

Instrument :

MSVOA_D

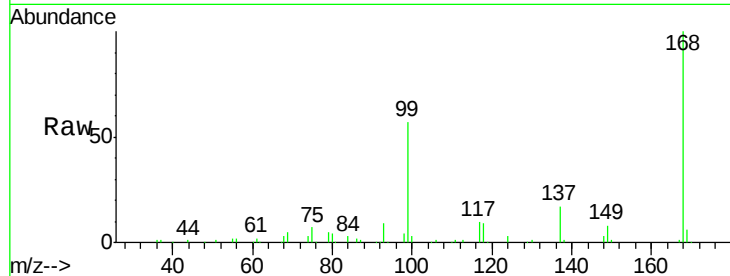
ClientSampleId :

Tot Ion:168 Resp: 483307

Ion Ratio Lower Upper

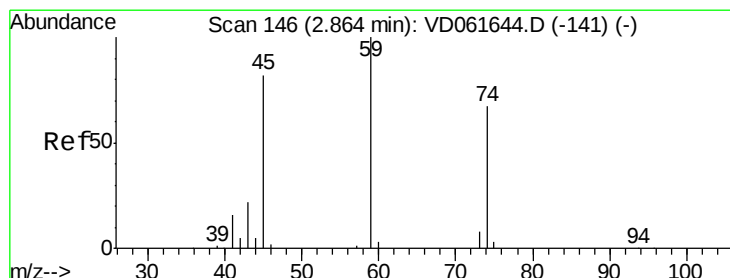
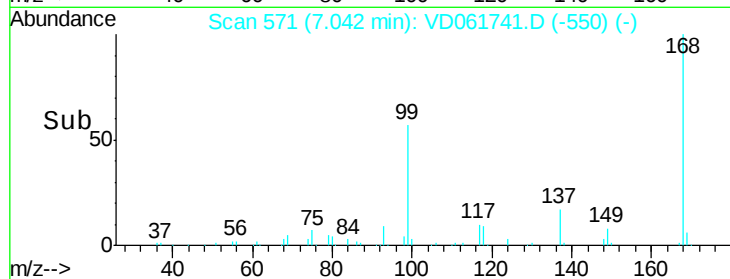
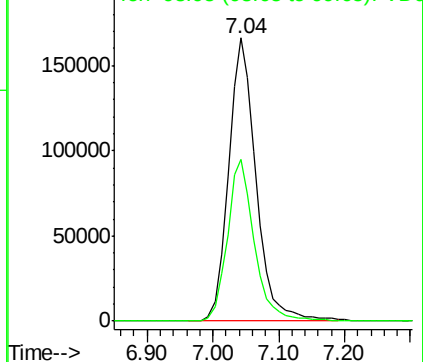
168 100

99 57.4 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 3.125 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.01 min

Lab File: VD061741.D

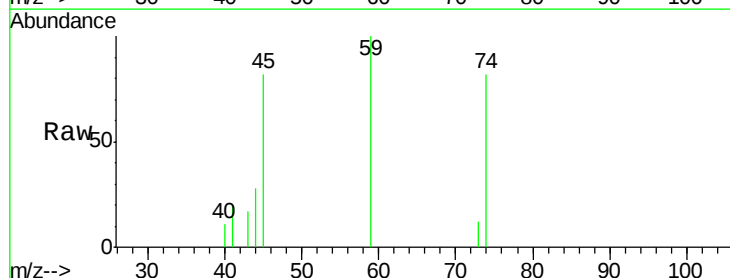
Acq: 11 Apr 2019 15:21

Tgt Ion: 74 Resp: 5214

Ion Ratio Lower Upper

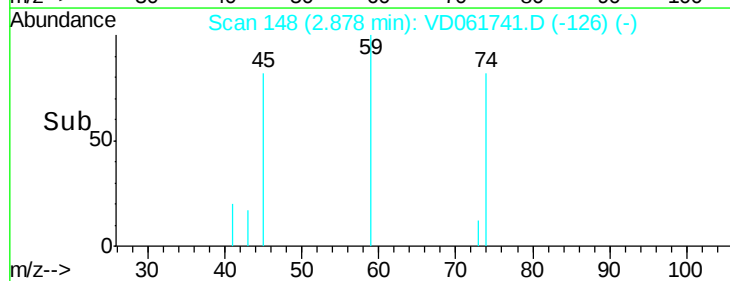
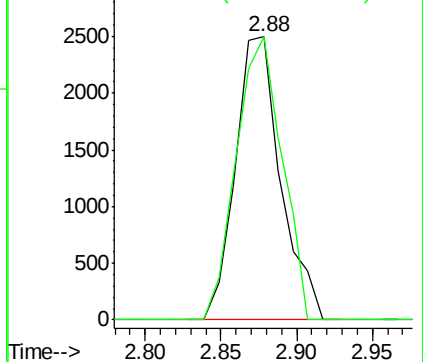
74 100

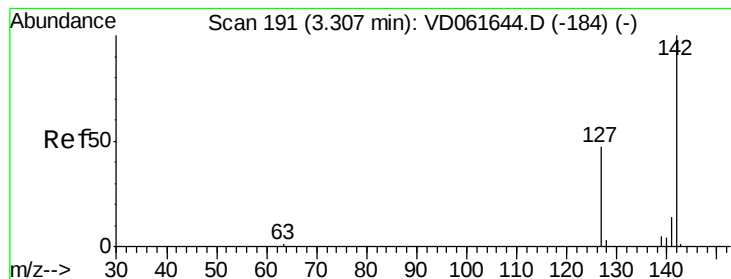
45 99.9 61.0 183.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#10

Methyl Iodide

Concen: 3.811 ug/l

RT: 3.34 min Scan# 195

Delta R.T. 0.03 min

Lab File: VD061741.D

Acq: 11 Apr 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

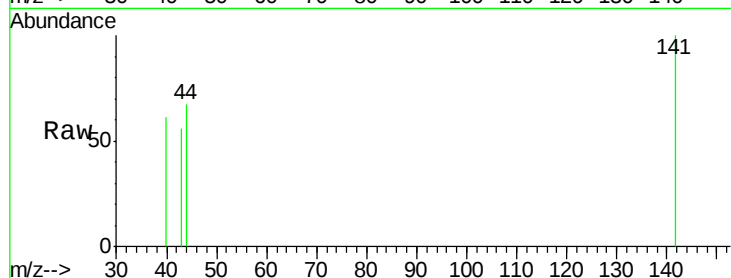
Tot Ion:142 Resp: 1470

Ion Ratio Lower Upper

142 100

127 0.0 37.2 55.8#

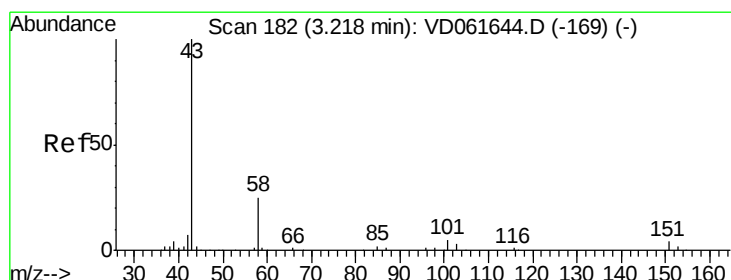
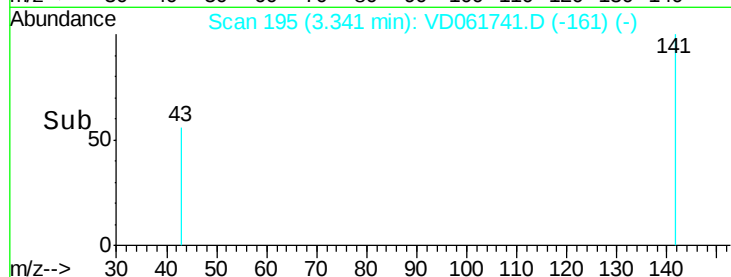
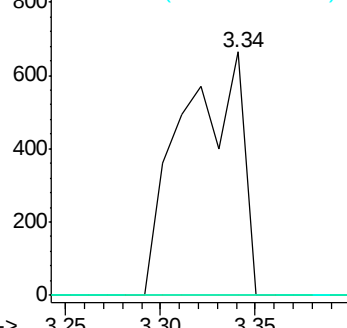
141 0.0 10.8 16.2#



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



#16

Acetone

Concen: 39.014 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061741.D

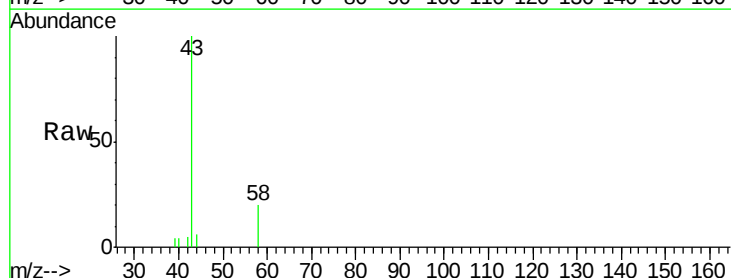
Acq: 11 Apr 2019 15:21

Tgt Ion: 43 Resp: 42725

Ion Ratio Lower Upper

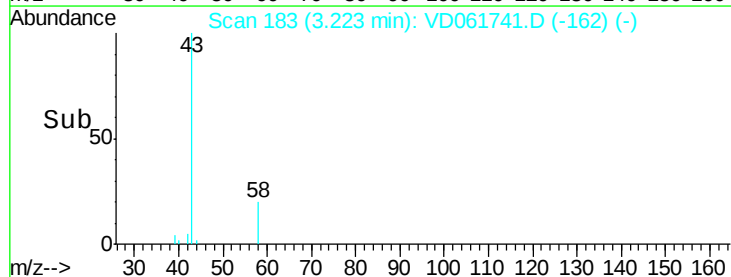
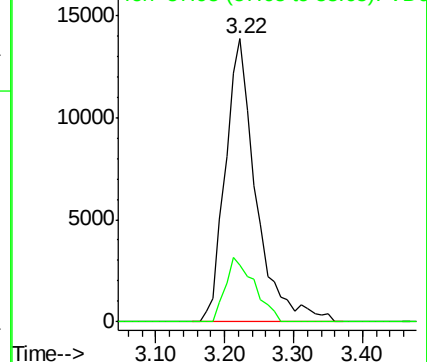
43 100

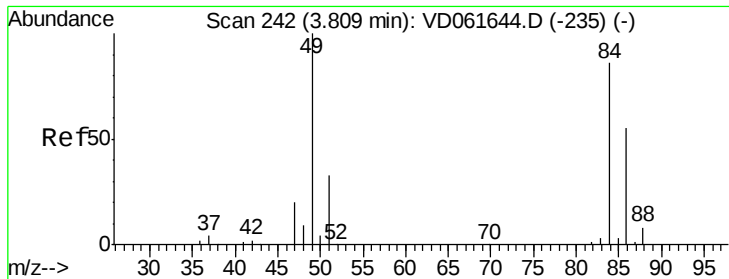
58 19.9 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 57.95 (57.65 to 58.65): V

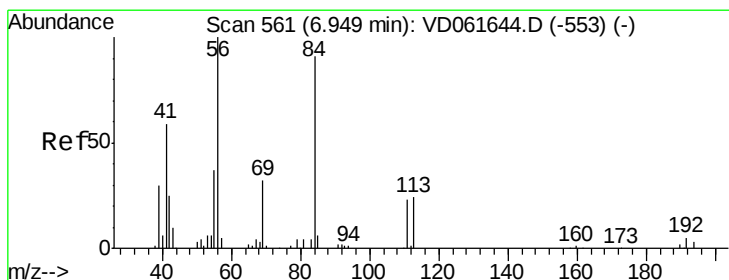
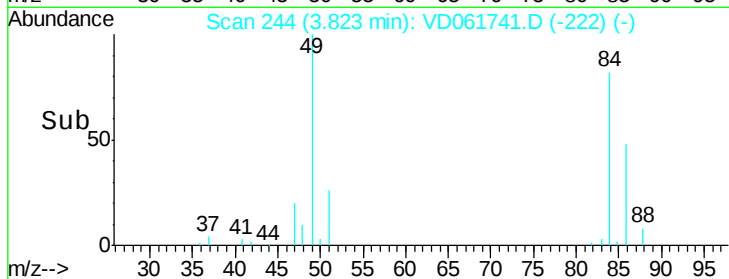
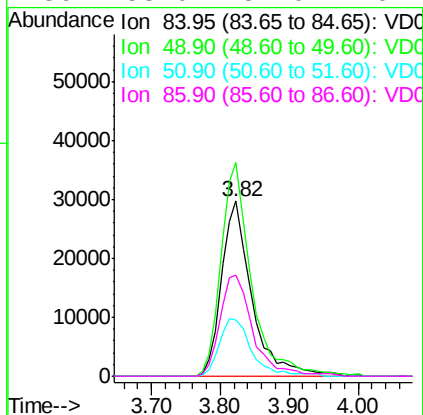
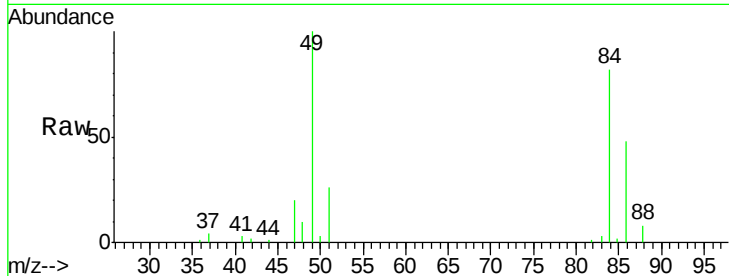




#20
Methylene Chloride
Concen: 14.521 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061741.D
Acq: 11 Apr 2019 15:21

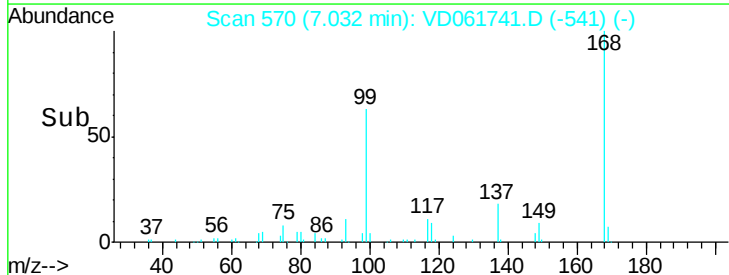
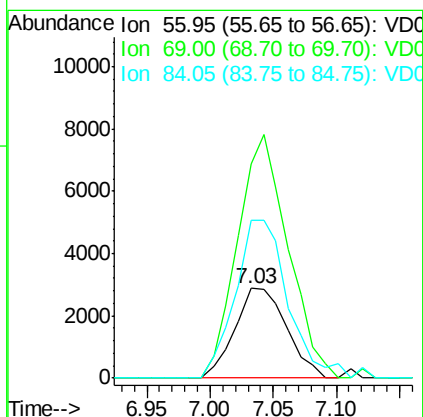
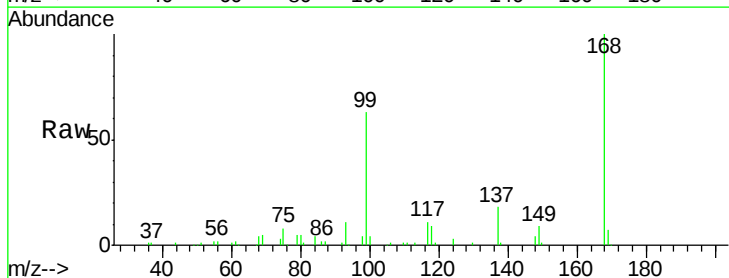
Instrument :
MSVOA_D
ClientSampled :

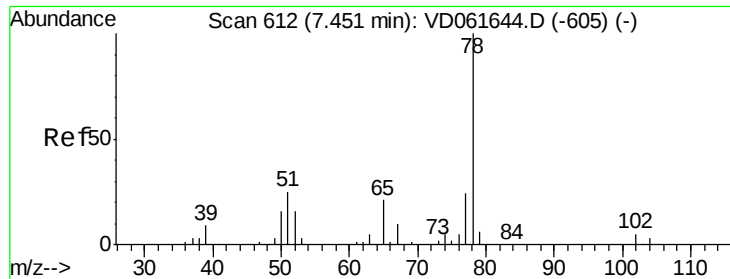
Tot Ion: 84 Resp: 90240
Ion Ratio Lower Upper
84 100
49 122.1 93.0 139.4
51 32.1 30.4 45.6
86 58.0 51.0 76.4



#31
Cyclohexane
Concen: 1.186 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.08 min
Lab File: VD061741.D
Acq: 11 Apr 2019 15:21

Tgt Ion: 56 Resp: 8177
Ion Ratio Lower Upper
56 100
69 238.7 25.8 38.6#
84 175.6 74.2 111.2#

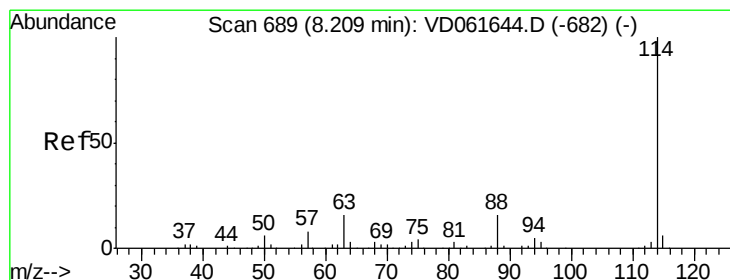
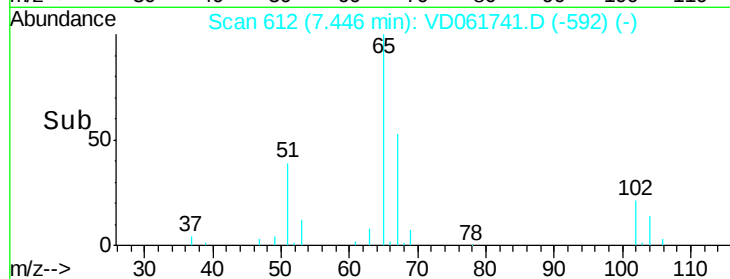
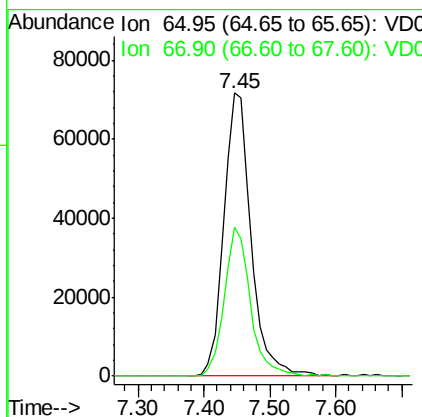
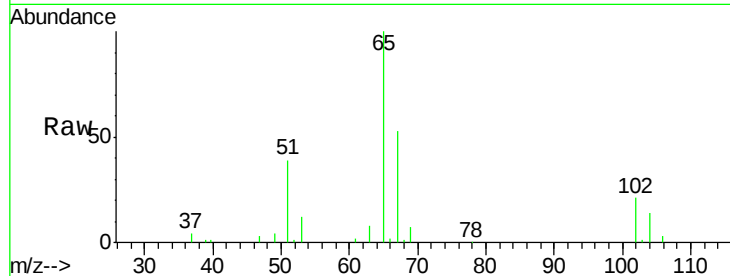




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD061741.D
 Acq: 11 Apr 2019 15:21

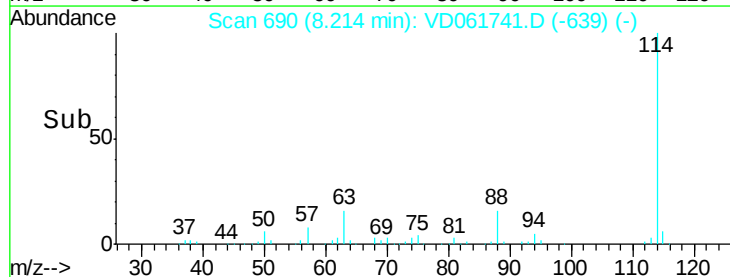
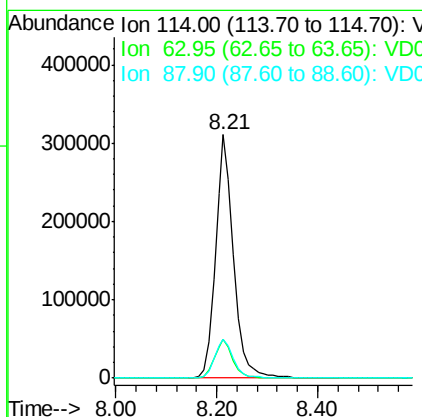
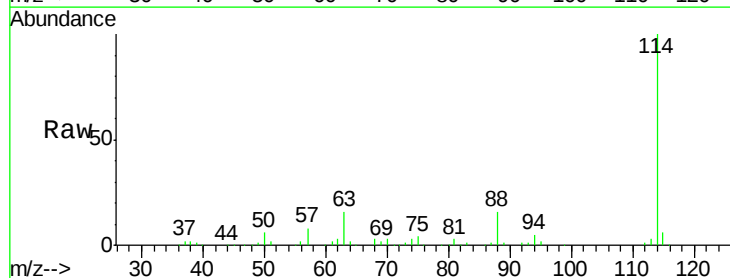
Instrument :
 MSVOA_D
 ClientSampleId :

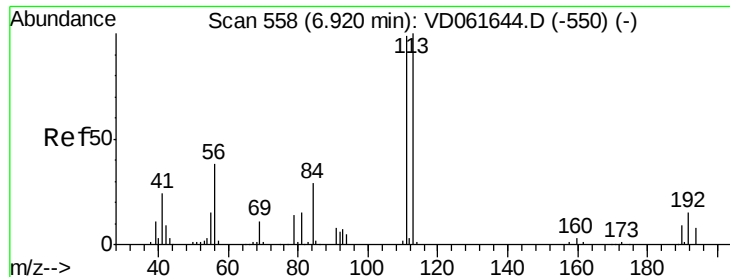
Tot Ion: 65 Resp: 207168
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061741.D
 Acq: 11 Apr 2019 15:21

Tgt Ion: 114 Resp: 775056
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.2
 88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.00 min

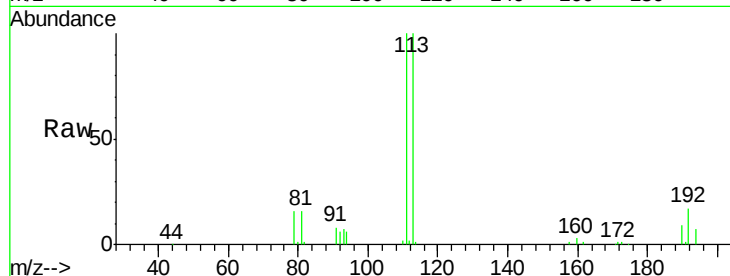
Lab File: VD061741.D

Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_D
ClientSampled :

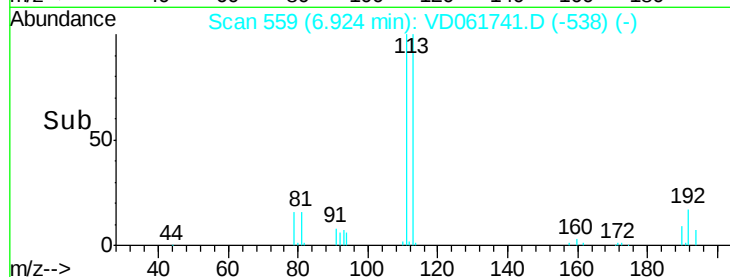
Tot Ion:113 Resp: 323557

Ion	Ratio	Lower	Upper
113	100		
111	99.5	79.3	118.9
192	17.3	12.3	18.5

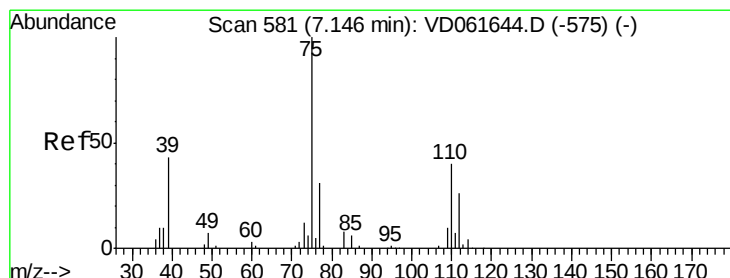


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

6.92



Time--> 6.80 6.90 7.00 7.10



#36

1,1-Dichloropropene

Concen: 5.177 ug/l

RT: 7.04 min Scan# 571

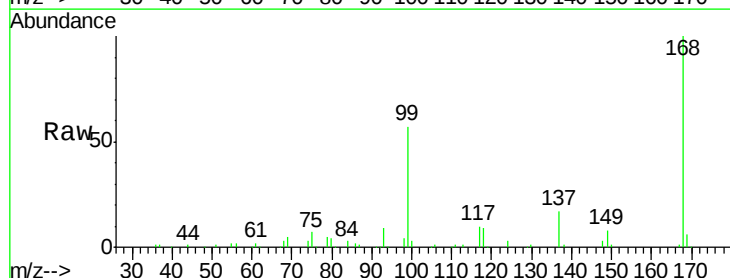
Delta R.T. -0.10 min

Lab File: VD061741.D

Acq: 11 Apr 2019 15:21

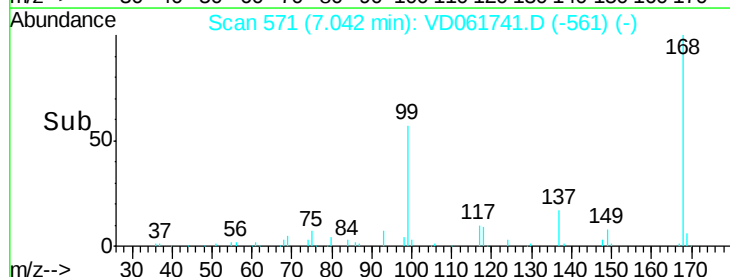
Tgt Ion: 75 Resp: 35119

Ion	Ratio	Lower	Upper
75	100		
110	6.0	19.7	59.0#
77	0.0	24.8	37.2#

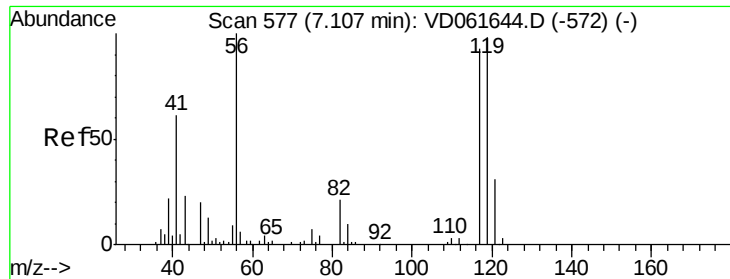


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

7.04



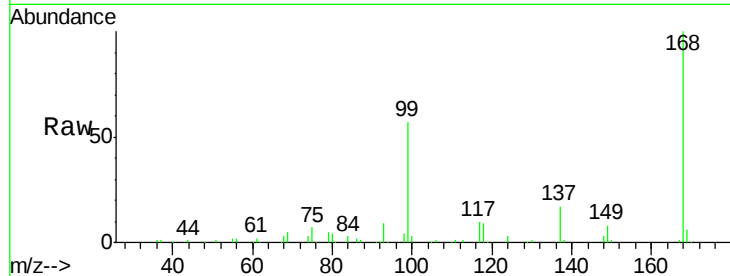
Time--> 6.90 7.00 7.10 7.20



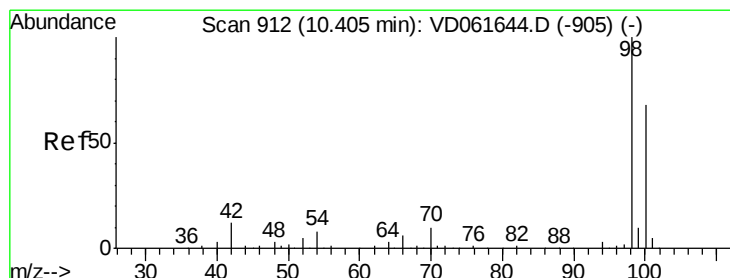
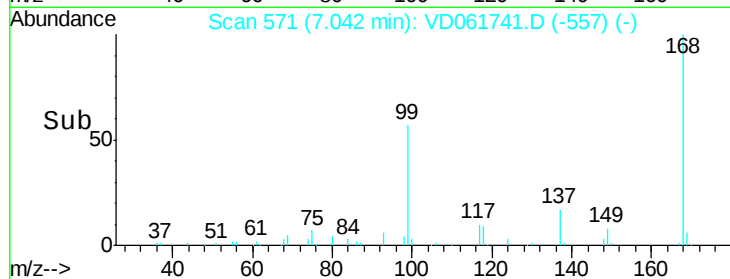
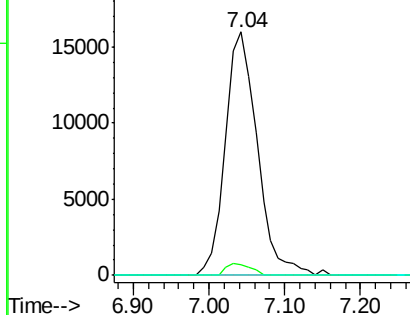
#38
Carbon Tetrachloride
Concen: 5.897 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.06 min
Lab File: VD061741.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 46880
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 24.7 37.1#

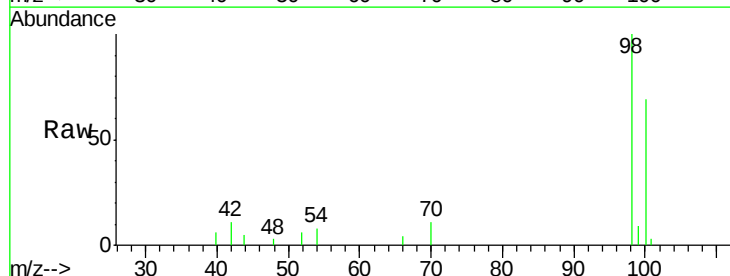


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

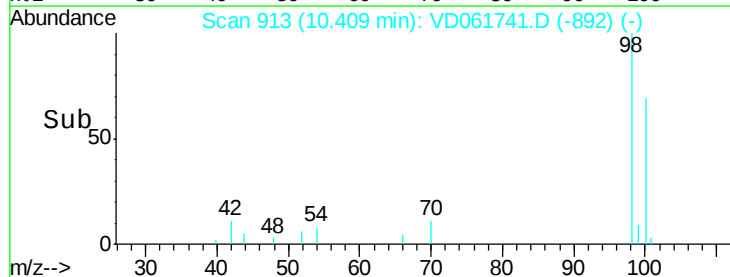
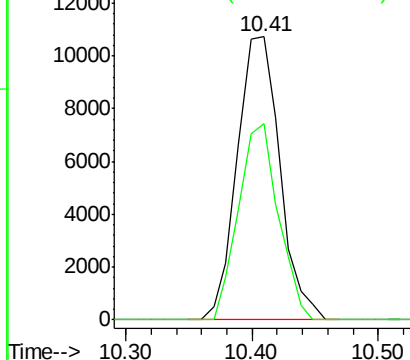


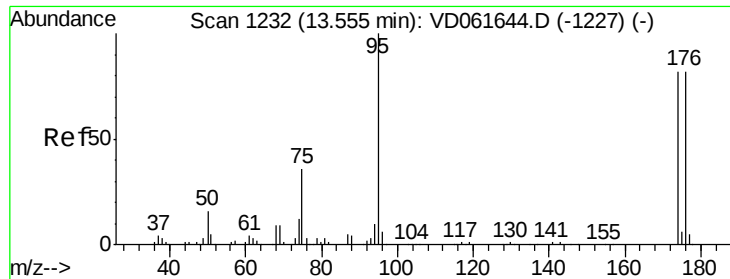
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD061741.D
Acq: 11 Apr 2019 15:21

Tgt Ion: 98 Resp: 25202
Ion Ratio Lower Upper
98 100
100 69.4 55.4 83.0



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: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061741.D

Acq: 11 Apr 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

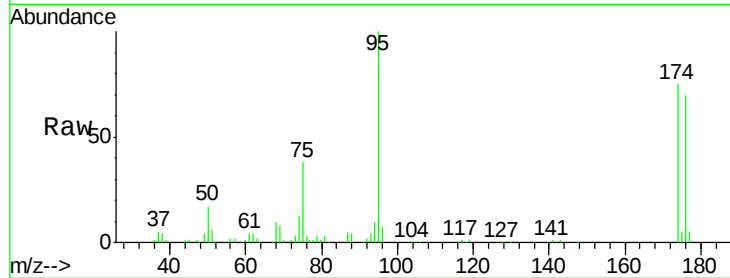
Tot Ion: 95 Resp: 225375

Ion Ratio Lower Upper

95 100

174 74.9 0.0 164.6

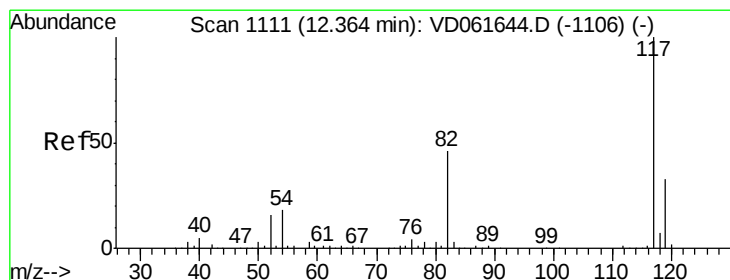
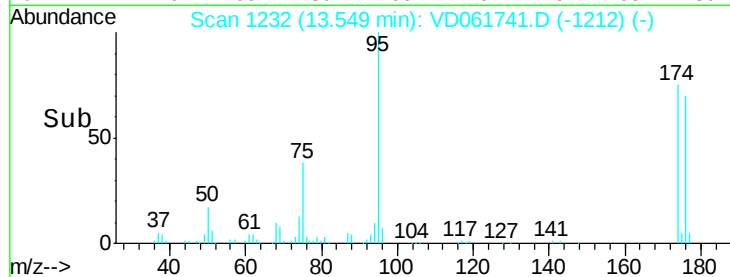
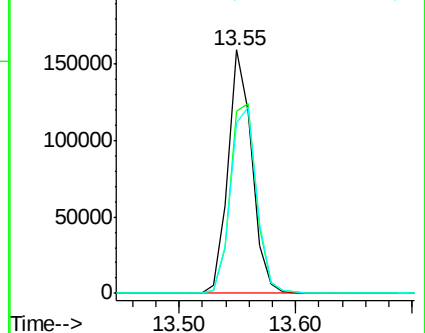
176 70.2 0.0 165.0



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: 12.36 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD061741.D

Acq: 11 Apr 2019 15:21

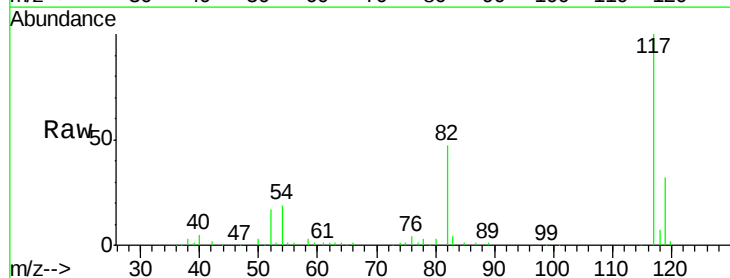
Tgt Ion: 117 Resp: 248505

Ion Ratio Lower Upper

117 100

82 46.9 36.8 55.2

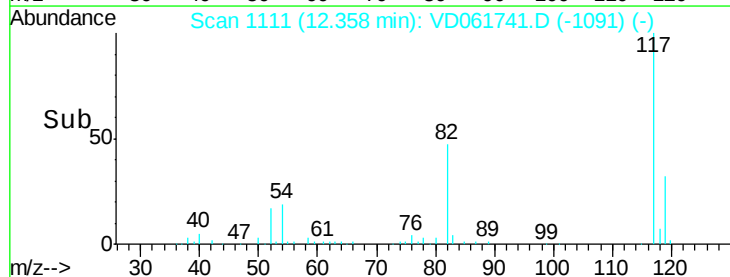
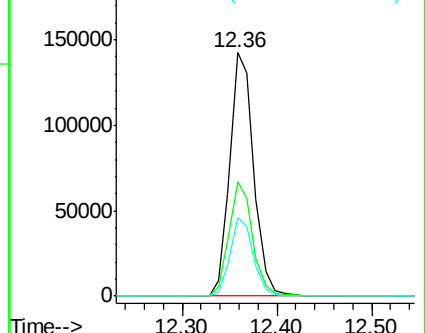
119 32.0 26.1 39.1

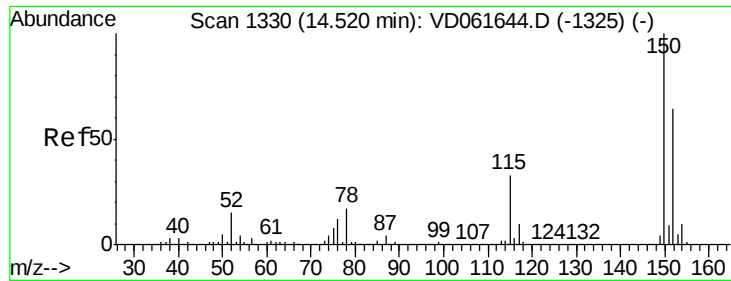


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD061741.D

Acq: 11 Apr 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

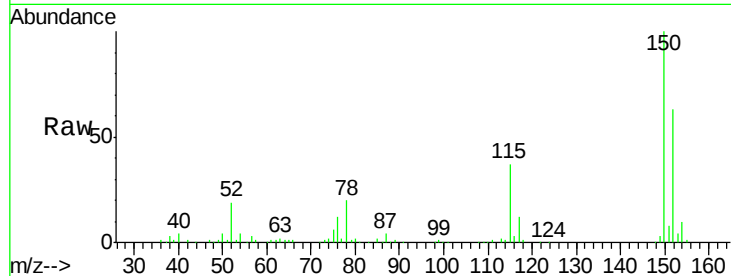
Tot Ion:152 Resp: 220115

Ion Ratio Lower Upper

152 100

115 57.8 26.4 79.2

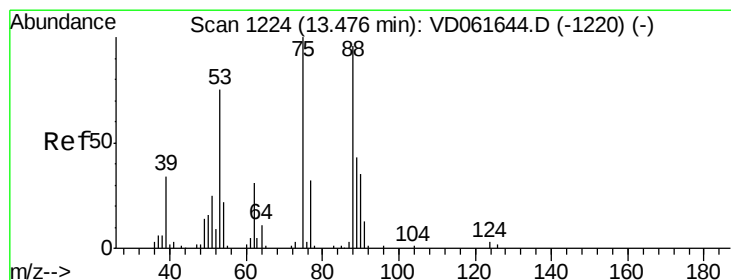
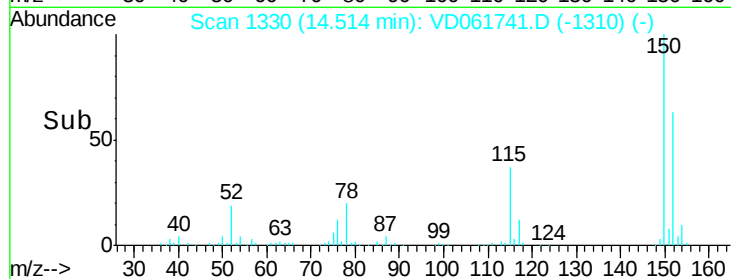
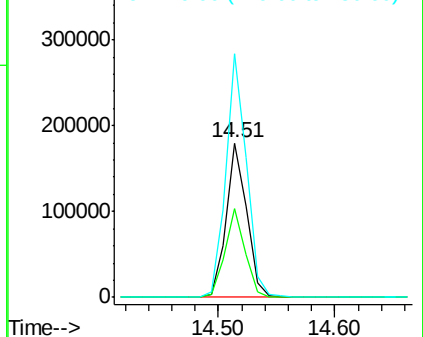
150 157.6 0.0 320.6



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: 91.883 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD061741.D

Acq: 11 Apr 2019 15:21

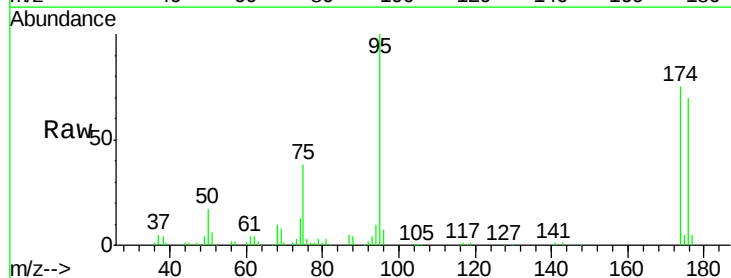
Tgt Ion: 75 Resp: 83498

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#



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

