

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061700.D
 Acq On : 10 Apr 2019 5:17
 Operator : VA/AP
 Sample : K2338-03
 Misc : 7.25g/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 10 06:41:13 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

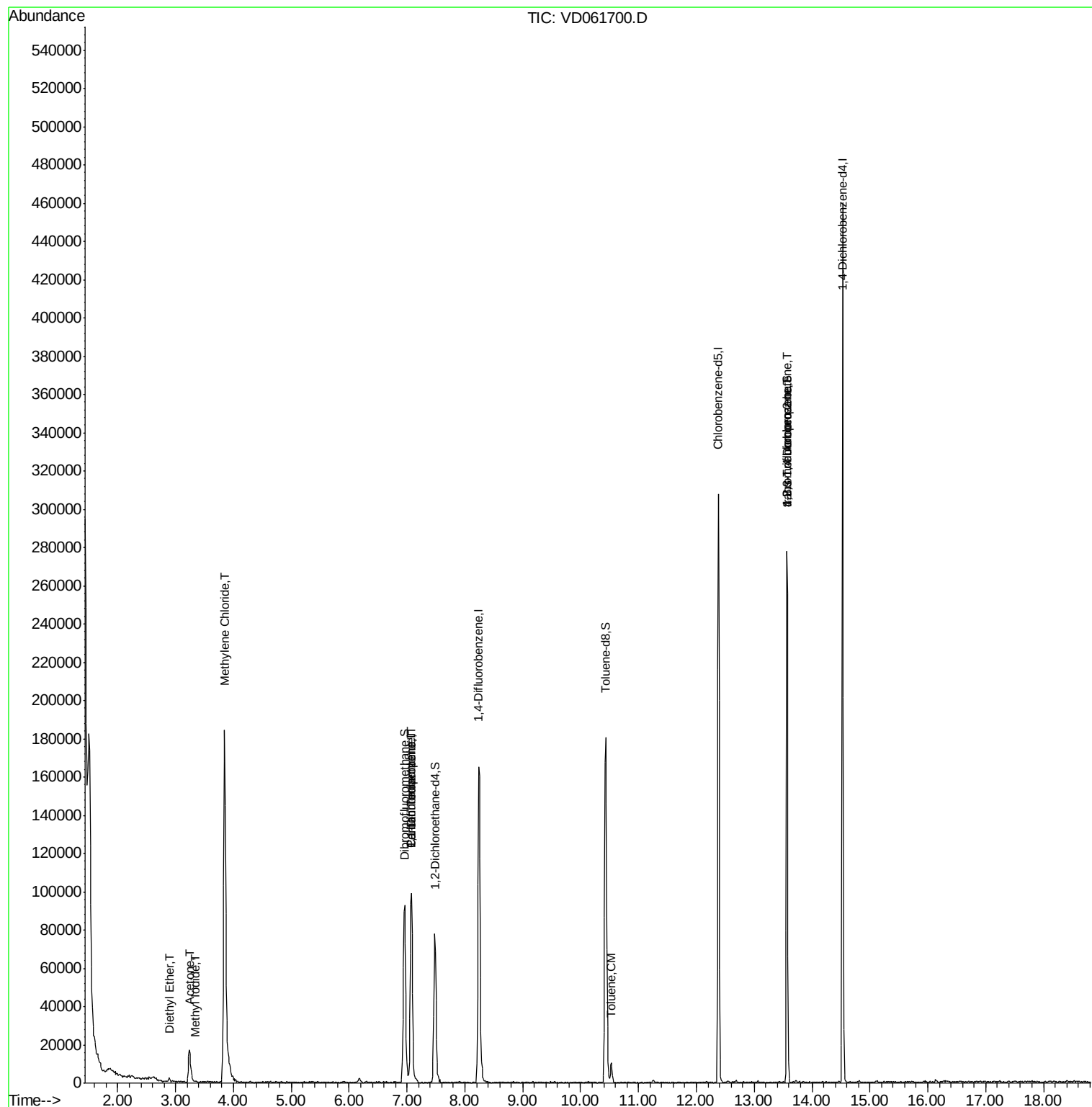
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	109345	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.25	114	213421	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	198947	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	102921	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	78164	94.31	ug/l	0.03
Spiked Amount 50.000			Recovery	=	188.62%	
35) Dibromofluoromethane	6.96	113	90247	61.04	ug/l	0.04
Spiked Amount 50.000			Recovery	=	122.08%	
50) Toluene-d8	10.43	98	171165	46.08	ug/l	0.03
Spiked Amount 50.000			Recovery	=	92.16%	
62) 4-Bromofluorobenzene	13.56	95	94015	82.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	165.98%	
Target Compounds						
8) Diethyl Ether	2.88	74	455	1.205	ug/l	99
10) Methyl Iodide	3.35	142	211	3.754	ug/l #	38
16) Acetone	3.24	43	34067	137.497	ug/l	97
20) Methylene Chloride	3.85	84	140695	100.071	ug/l	95
36) 1,1-Dichloropropene	7.07	75	7091	3.796	ug/l #	39
38) Carbon Tetrachloride	7.08	117	9363	4.277	ug/l #	11
52) Toluene	10.53	92	6762	2.403	ug/l	97
76) 1,2,3-Trichloropropane	13.56	75	27759	19.824	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.56	75	33129	77.967	ug/l #	20

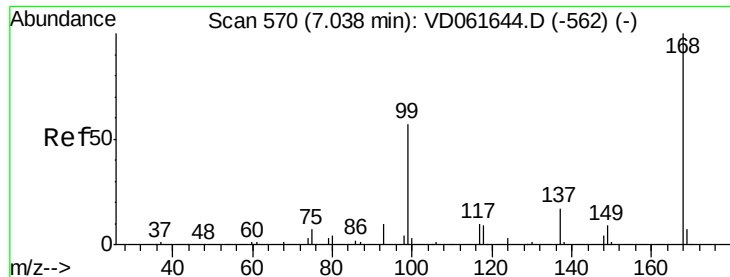
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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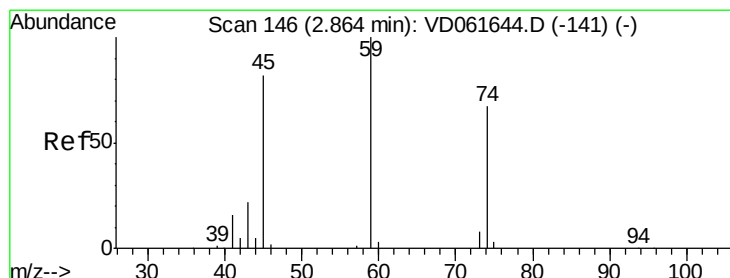
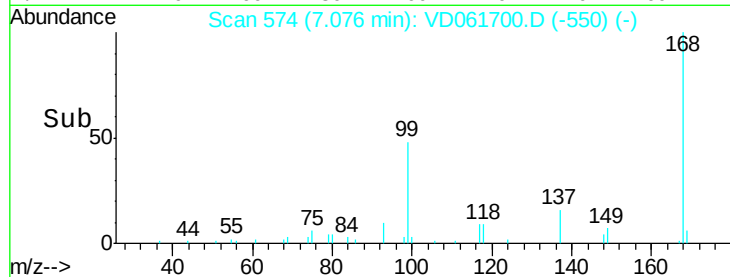
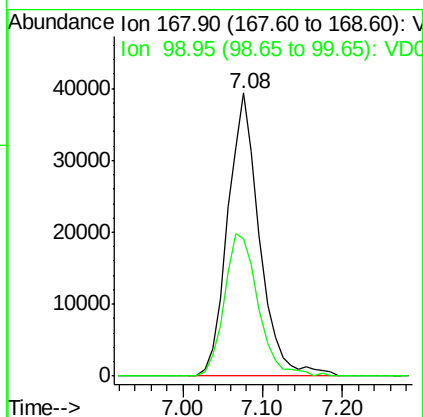
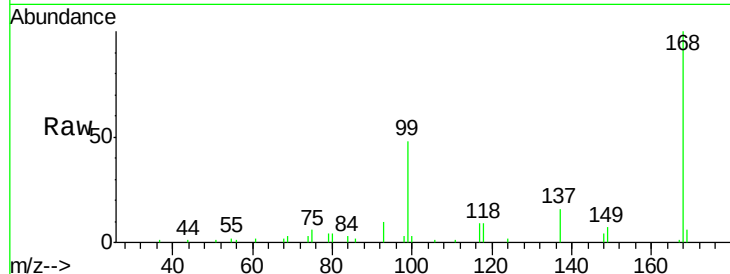




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.08 min Scan# 574
Delta R.T. 0.04 min
Lab File: VD061700.D
Acq: 10 Apr 2019 5:17

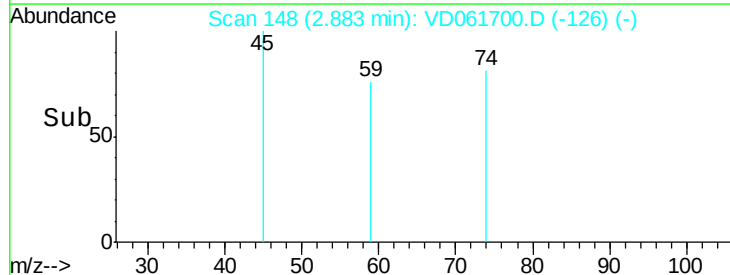
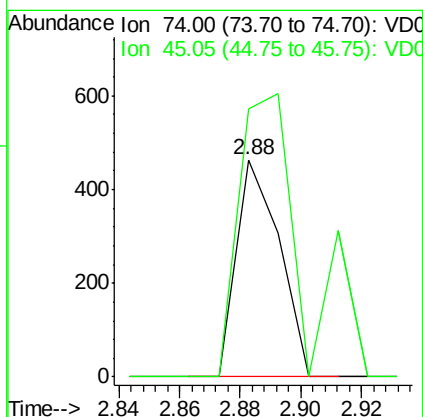
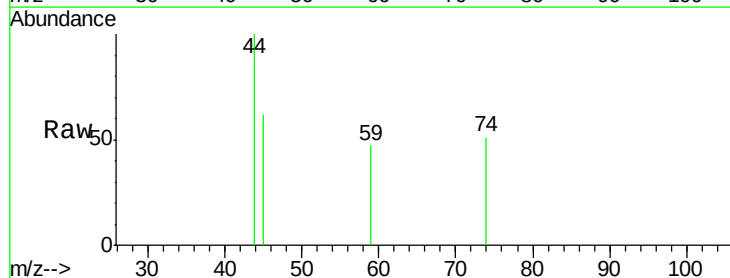
Instrument :
MSVOA_D
ClientSampled :

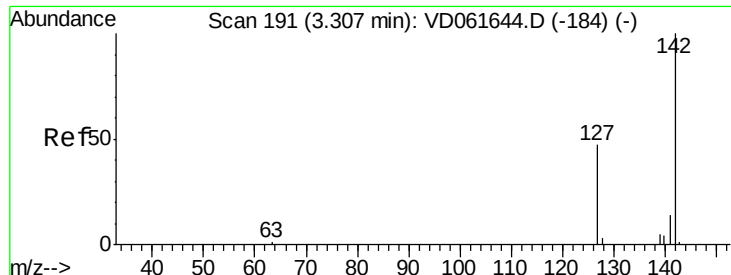
Tot Ion:168 Resp: 109345
Ion Ratio Lower Upper
168 100
99 48.4 46.8 70.2



#8
Diethyl Ether
Concen: 1.205 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.02 min
Lab File: VD061700.D
Acq: 10 Apr 2019 5:17

Tgt Ion: 74 Resp: 455
Ion Ratio Lower Upper
74 100
45 123.1 61.0 183.0

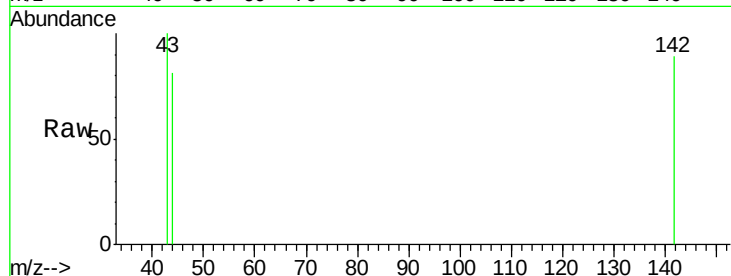




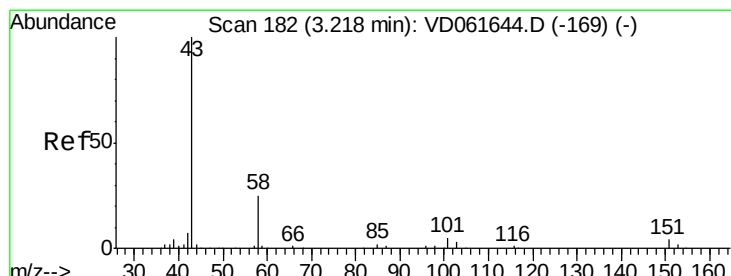
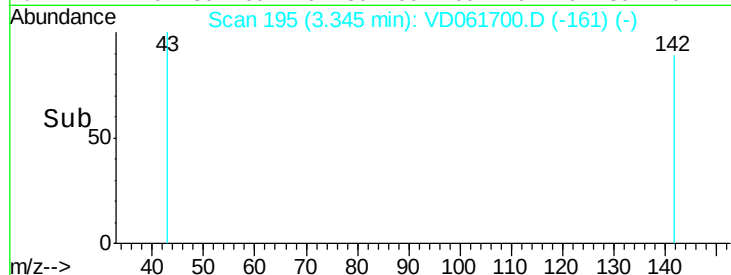
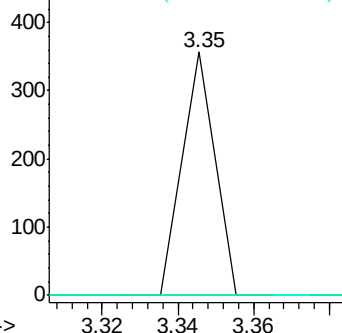
#10
Methvl Iodide
Concen: 3.754 ug/l
RT: 3.35 min Scan# 195
Delta R.T. 0.04 min
Lab File: VD061700.D
Acq: 10 Apr 2019 5:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 211
Ion Ratio Lower Upper
142 100
127 0.0 37.2 55.8#
141 0.0 10.8 16.2#

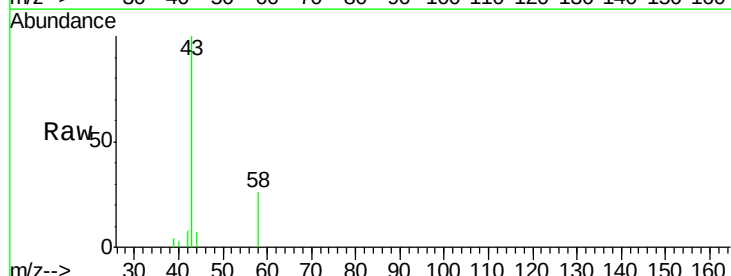


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

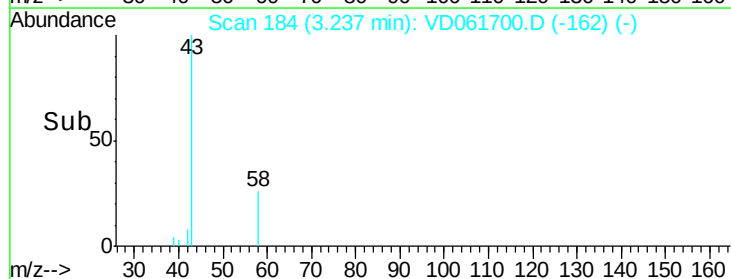
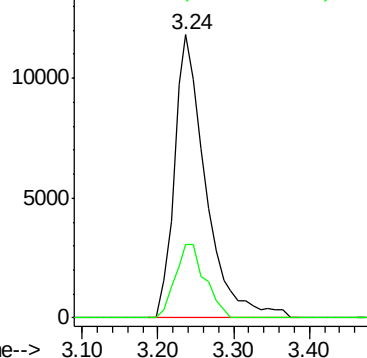


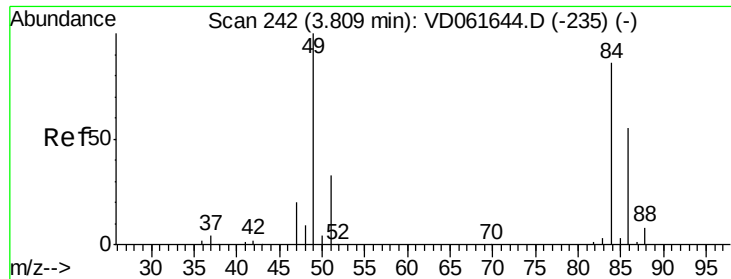
#16
Acetone
Concen: 137.497 ug/l
RT: 3.24 min Scan# 184
Delta R.T. 0.02 min
Lab File: VD061700.D
Acq: 10 Apr 2019 5:17

Tgt Ion: 43 Resp: 34067
Ion Ratio Lower Upper
43 100
58 26.1 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): V
Ion 57.95 (57.65 to 58.65): V

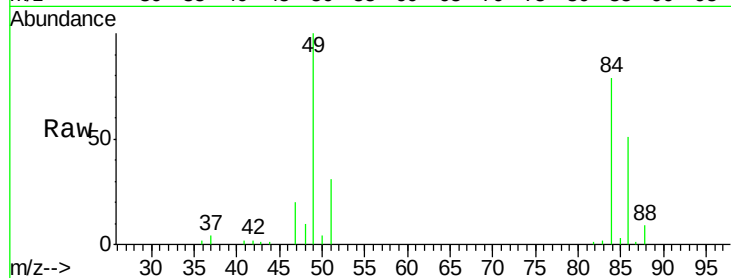




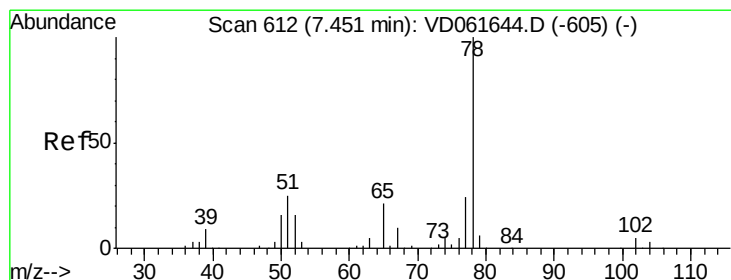
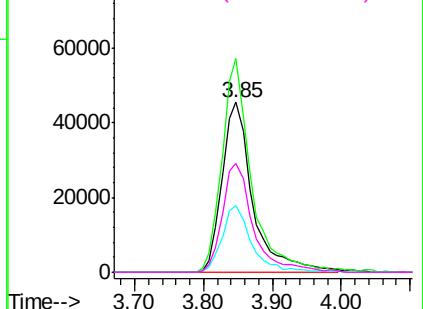
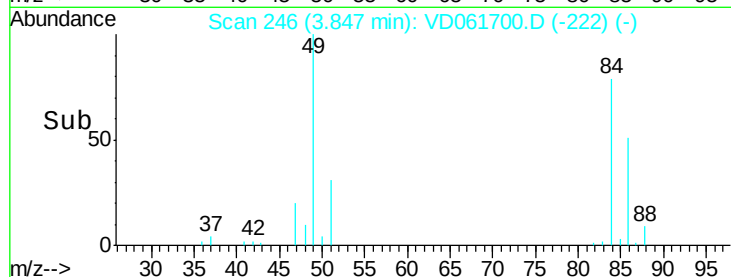
#20
Methylene Chloride
Concen: 100.071 ug/l
RT: 3.85 min Scan# 246
Delta R.T. 0.04 min
Lab File: VD061700.D
Acq: 10 Apr 2019 5:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 140695
Ion Ratio Lower Upper
84 100
49 125.8 93.0 139.4
51 39.1 30.4 45.6
86 64.3 51.0 76.4

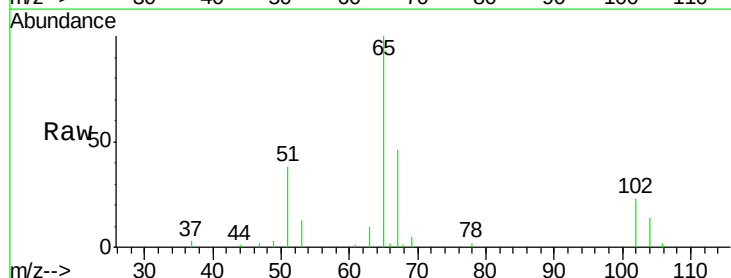


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

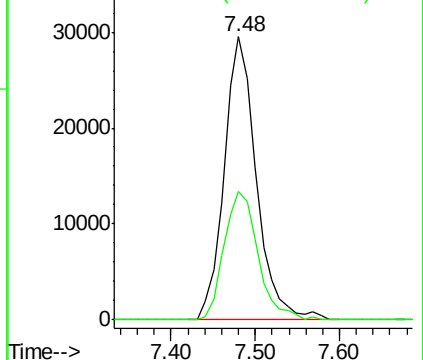
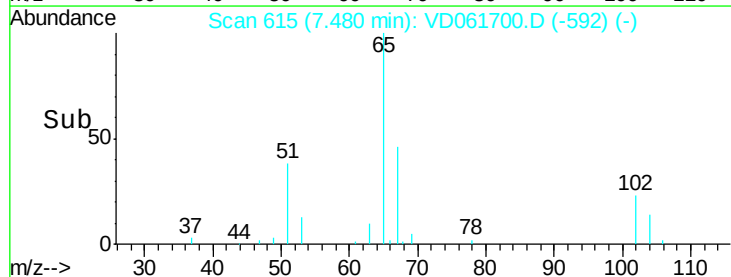


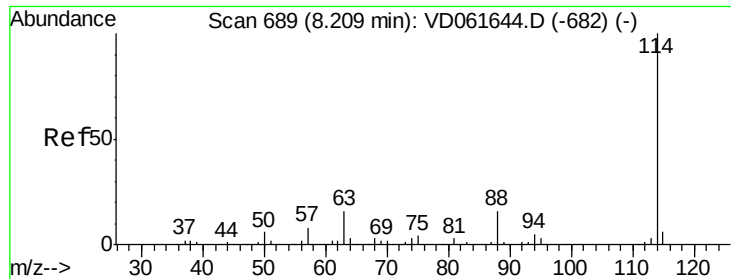
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.03 min
Lab File: VD061700.D
Acq: 10 Apr 2019 5:17

Tgt Ion: 65 Resp: 78164
Ion Ratio Lower Upper
65 100
67 45.6 0.0 99.4



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

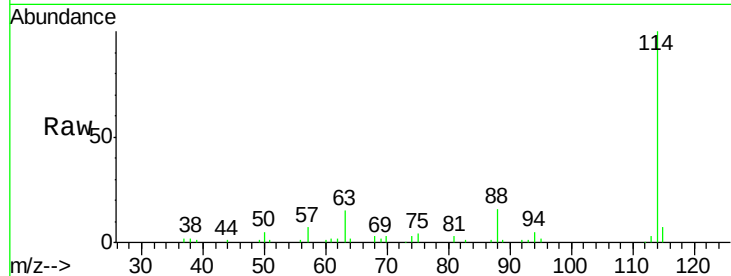




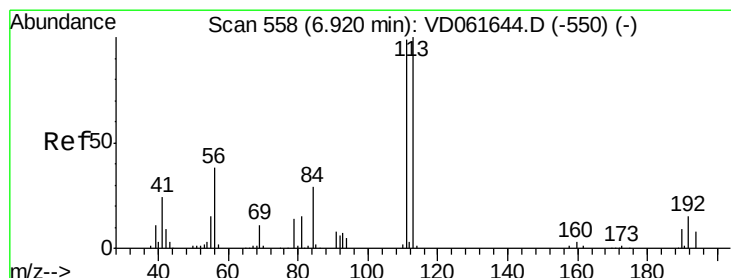
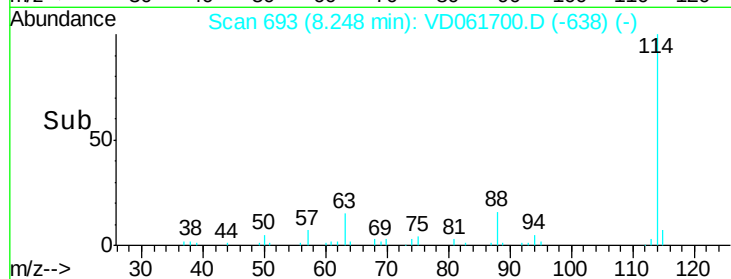
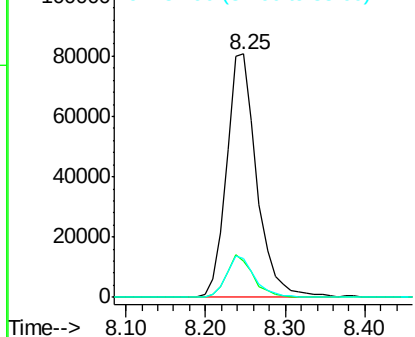
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 693
 Delta R.T. 0.04 min
 Lab File: VD061700.D
 Acq: 10 Apr 2019 5:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 213421
 Ion Ratio Lower Upper
 114 100
 63 14.9 0.0 31.2
 88 15.8 0.0 31.8

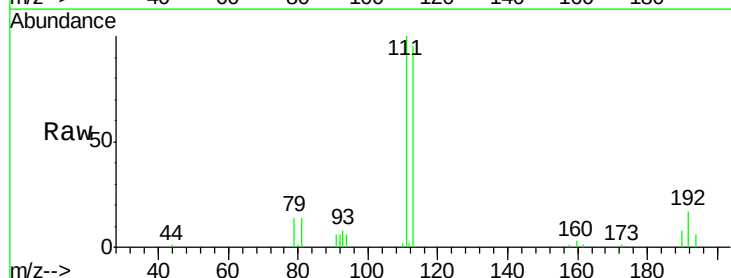


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

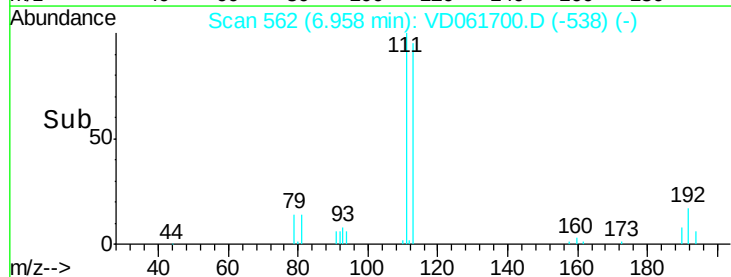
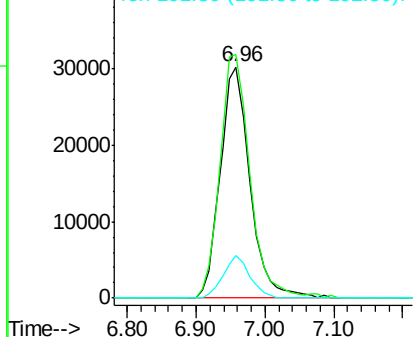


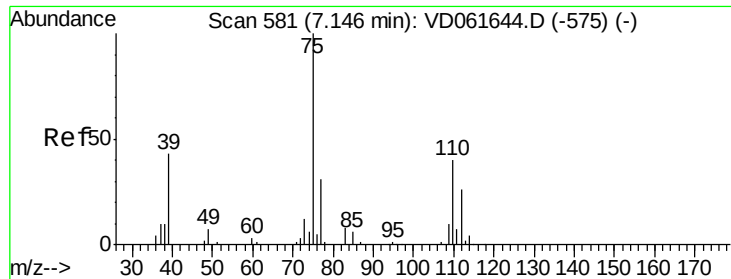
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.96 min Scan# 562
 Delta R.T. 0.04 min
 Lab File: VD061700.D
 Acq: 10 Apr 2019 5:17

Tgt Ion:113 Resp: 90247
 Ion Ratio Lower Upper
 113 100
 111 105.4 79.3 118.9
 192 18.3 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

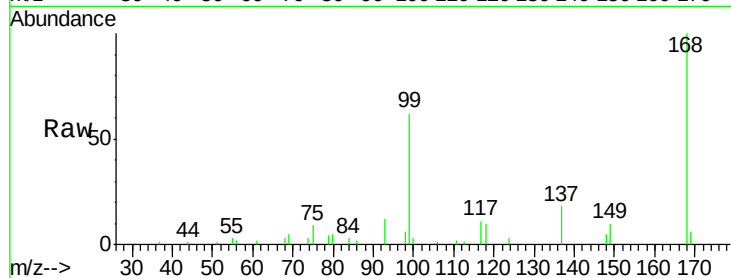




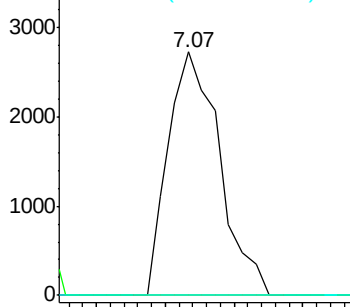
#36
 1,1-Dichloropropene
 Concen: 3.796 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.08 min
 Lab File: VD061700.D
 Acq: 10 Apr 2019 5:17

Instrument :
 MSVOA_D
 ClientSampleId :

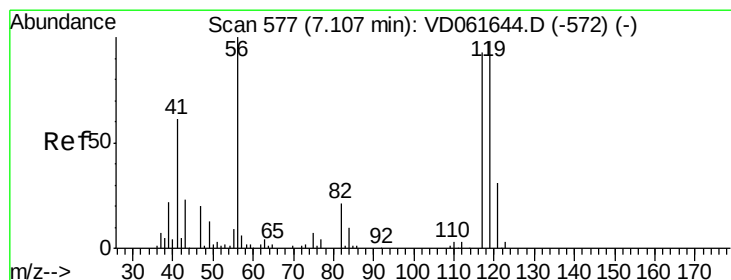
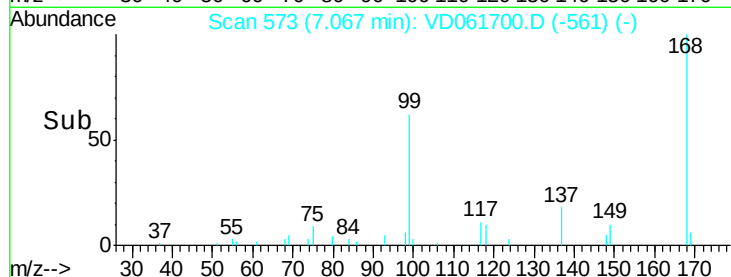
Tot Ion: 75 Resp: 7091
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.7 59.0#
 77 0.0 24.8 37.2#



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

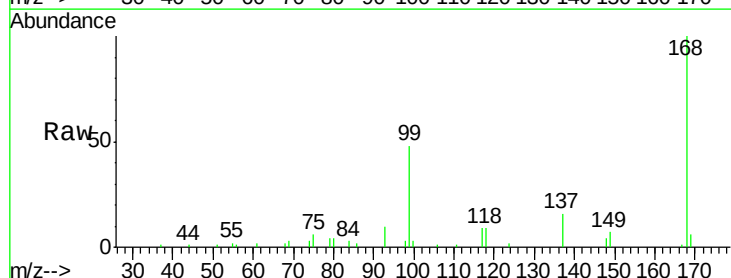


Time-->

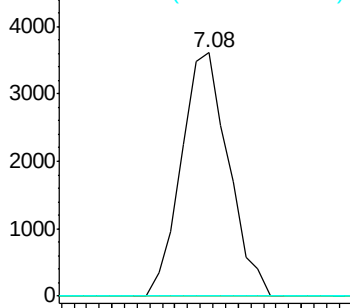


#38
 Carbon Tetrachloride
 Concen: 4.277 ug/l
 RT: 7.08 min Scan# 574
 Delta R.T. -0.03 min
 Lab File: VD061700.D
 Acq: 10 Apr 2019 5:17

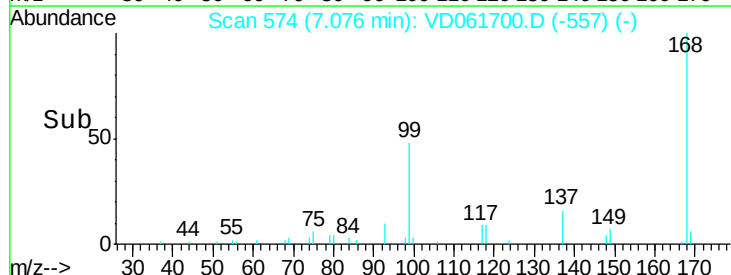
Tgt Ion: 117 Resp: 9363
 Ion Ratio Lower Upper
 117 100
 119 0.0 77.9 116.9#
 121 0.0 24.7 37.1#

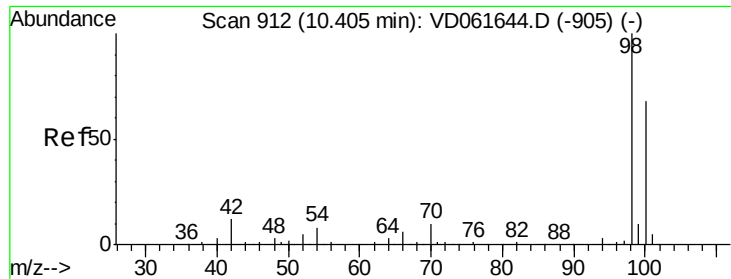


Abundance Ion 116.85 (116.55 to 117.55): V
 Ion 118.85 (118.55 to 119.55): V
 Ion 120.85 (120.55 to 121.55): V



Time-->

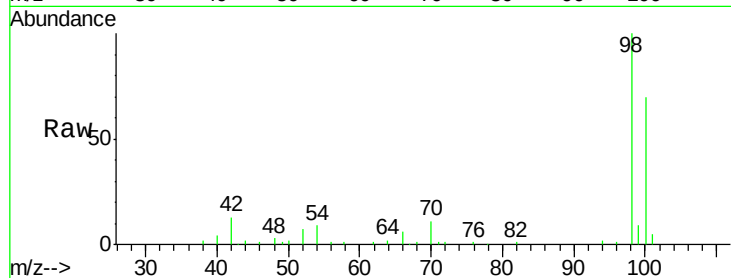




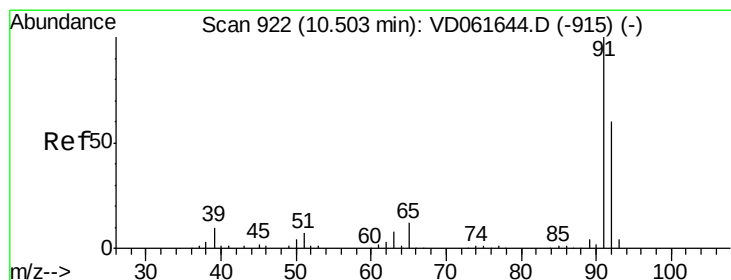
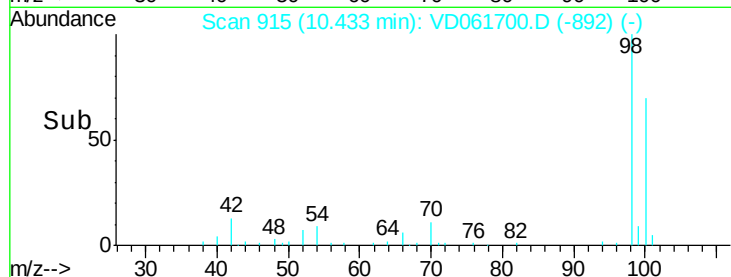
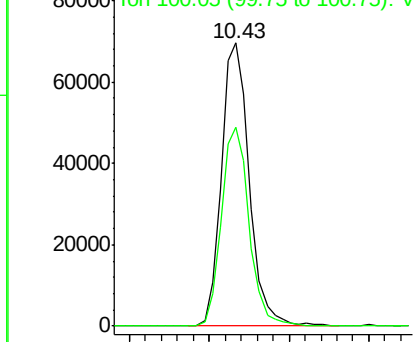
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061700.D
Acq: 10 Apr 2019 5:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 171165
Ion Ratio Lower Upper
98 100
100 70.3 55.4 83.0

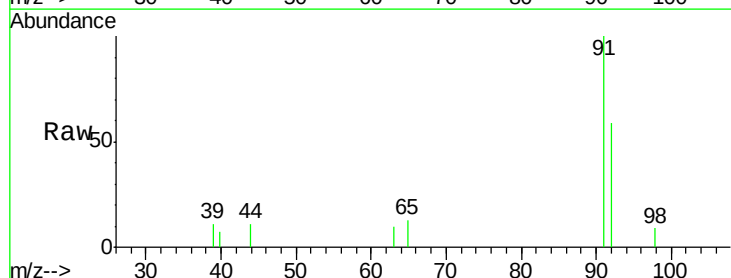


Abundance Ion 98.05 (97.75 to 98.75): VD061644.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD061644.D (-905) (-)

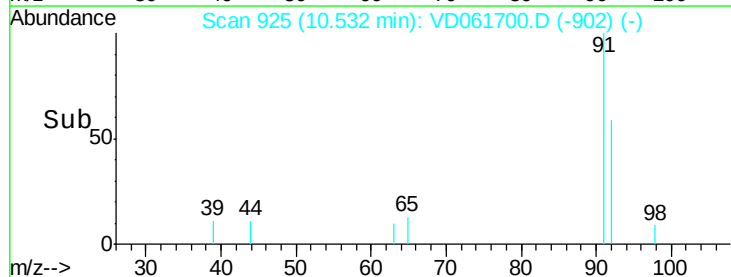
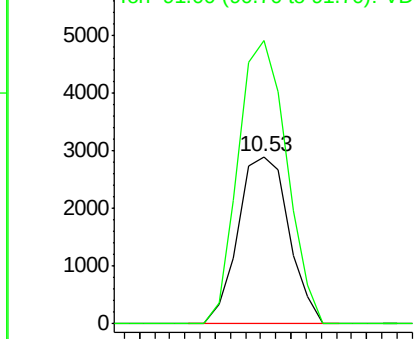


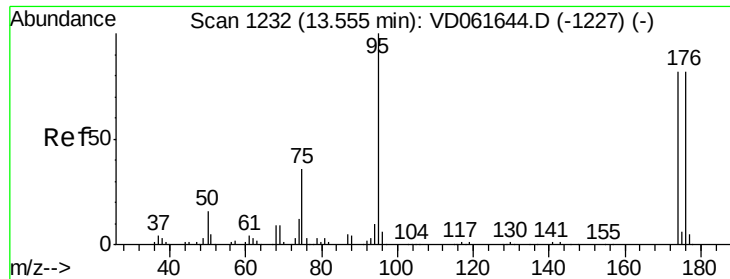
#52
Toluene
Concen: 2.403 ug/l
RT: 10.53 min Scan# 925
Delta R.T. 0.03 min
Lab File: VD061700.D
Acq: 10 Apr 2019 5:17

Tgt Ion: 92 Resp: 6762
Ion Ratio Lower Upper
92 100
91 169.6 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VD061644.D (-915) (-)
Ion 91.00 (90.70 to 91.70): VD061644.D (-915) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061700.D

Acq: 10 Apr 2019 5:17

Instrument :

MSVOA_D

ClientSampleId :

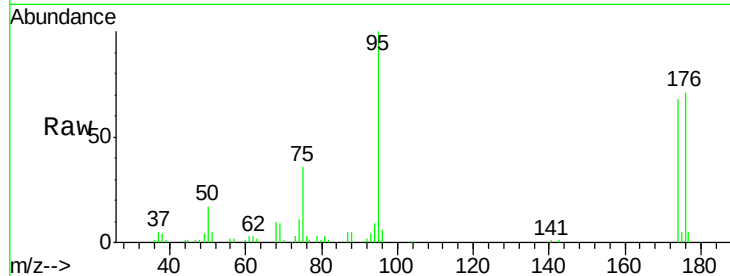
Tot Ion: 95 Resp: 94015

Ion Ratio Lower Upper

95 100

174 68.4 0.0 164.6

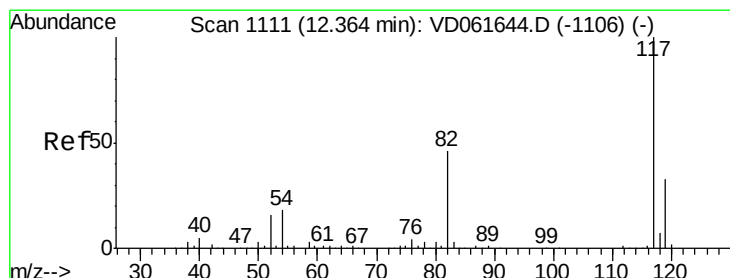
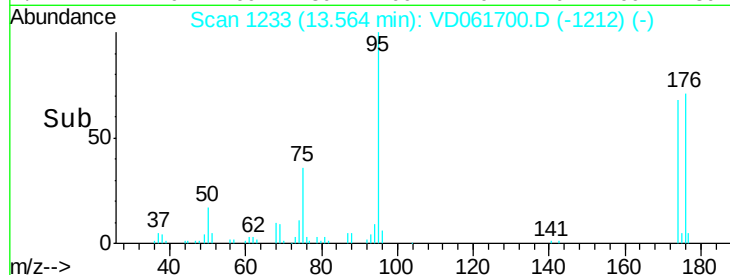
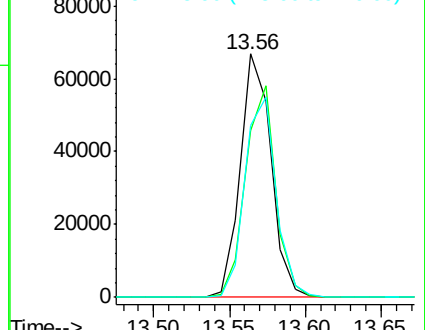
176 70.5 0.0 165.0



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: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD061700.D

Acq: 10 Apr 2019 5:17

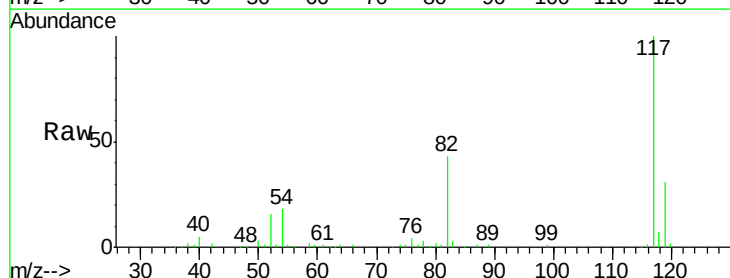
Tgt Ion: 117 Resp: 198947

Ion Ratio Lower Upper

117 100

82 43.0 36.8 55.2

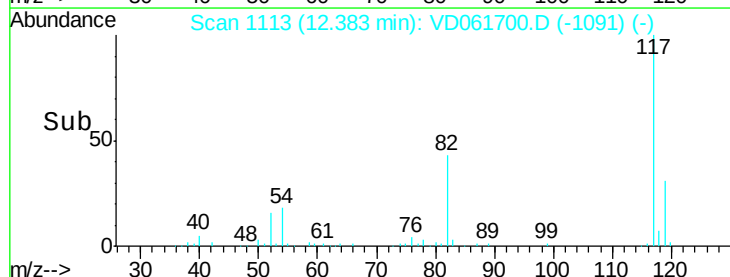
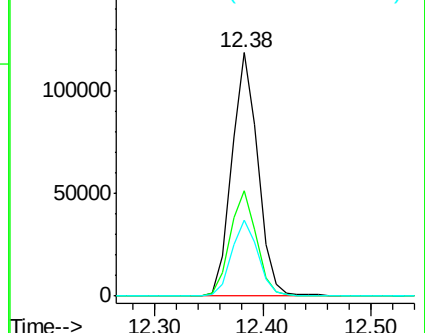
119 31.3 26.1 39.1

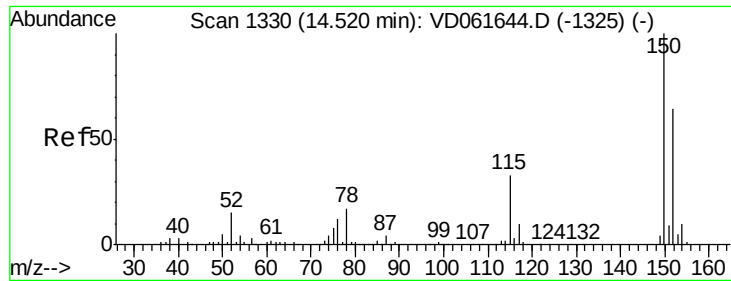


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061700.D

Acq: 10 Apr 2019 5:17

Instrument :

MSVOA_D

ClientSampleId :

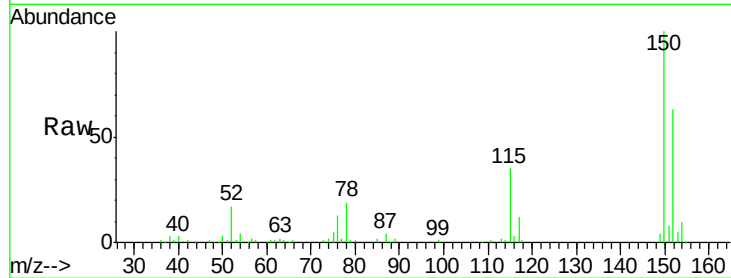
Tot Ion:152 Resp: 102921

Ion Ratio Lower Upper

152 100

115 56.2 26.4 79.2

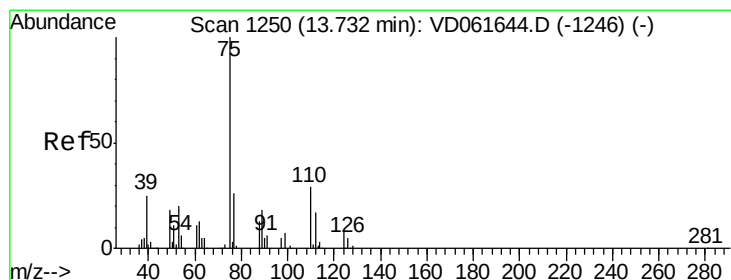
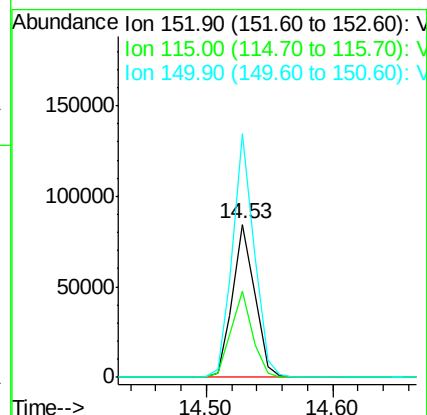
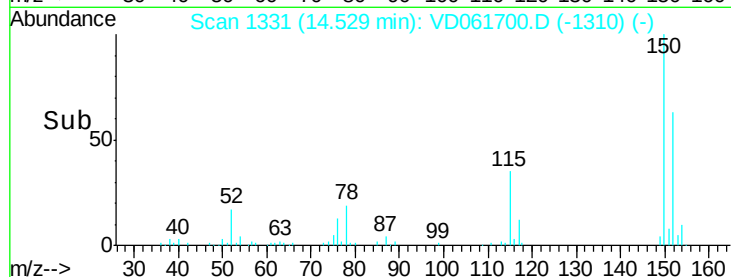
150 159.1 0.0 320.6



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



#76

1,2,3-Trichloropropane

Concen: 19.824 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD061700.D

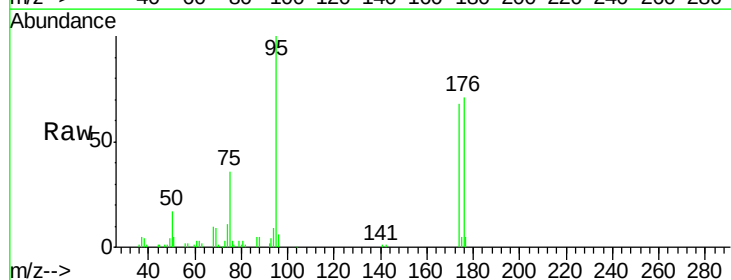
Acq: 10 Apr 2019 5:17

Tgt Ion: 75 Resp: 27759

Ion Ratio Lower Upper

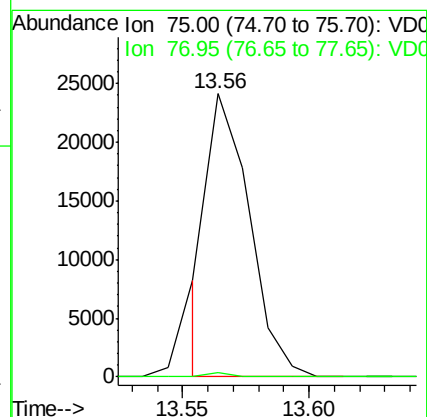
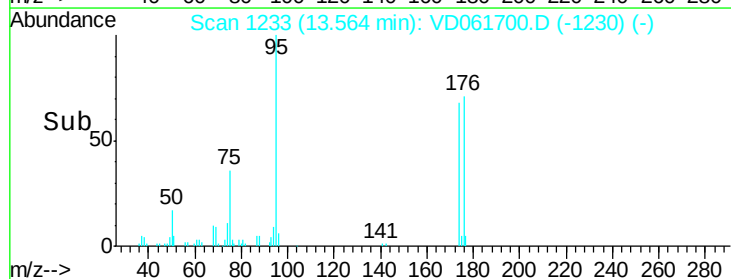
75 100

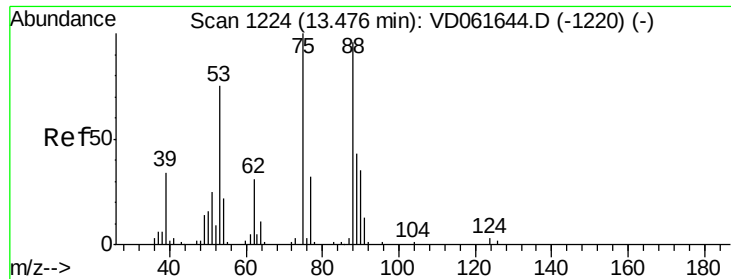
77 1.4 15.7 47.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 77.967 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061700.D

Acq: 10 Apr 2019 5:17

Instrument :

MSVOA_D

ClientSampleId :

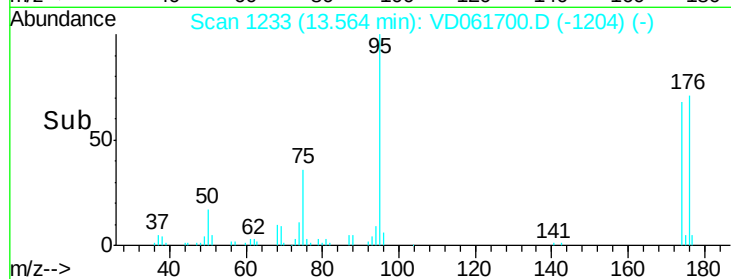
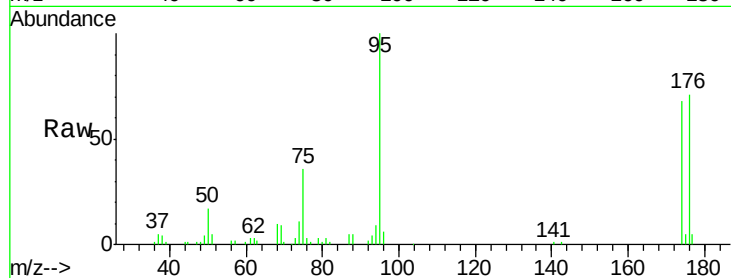
Tot Ion: 75 Resp: 33129

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

