

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061744.D
 Acq On : 11 Apr 2019 16:43
 Operator : VA/AP
 Sample : K2200-05
 Misc : 6.40g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 01:01:24 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

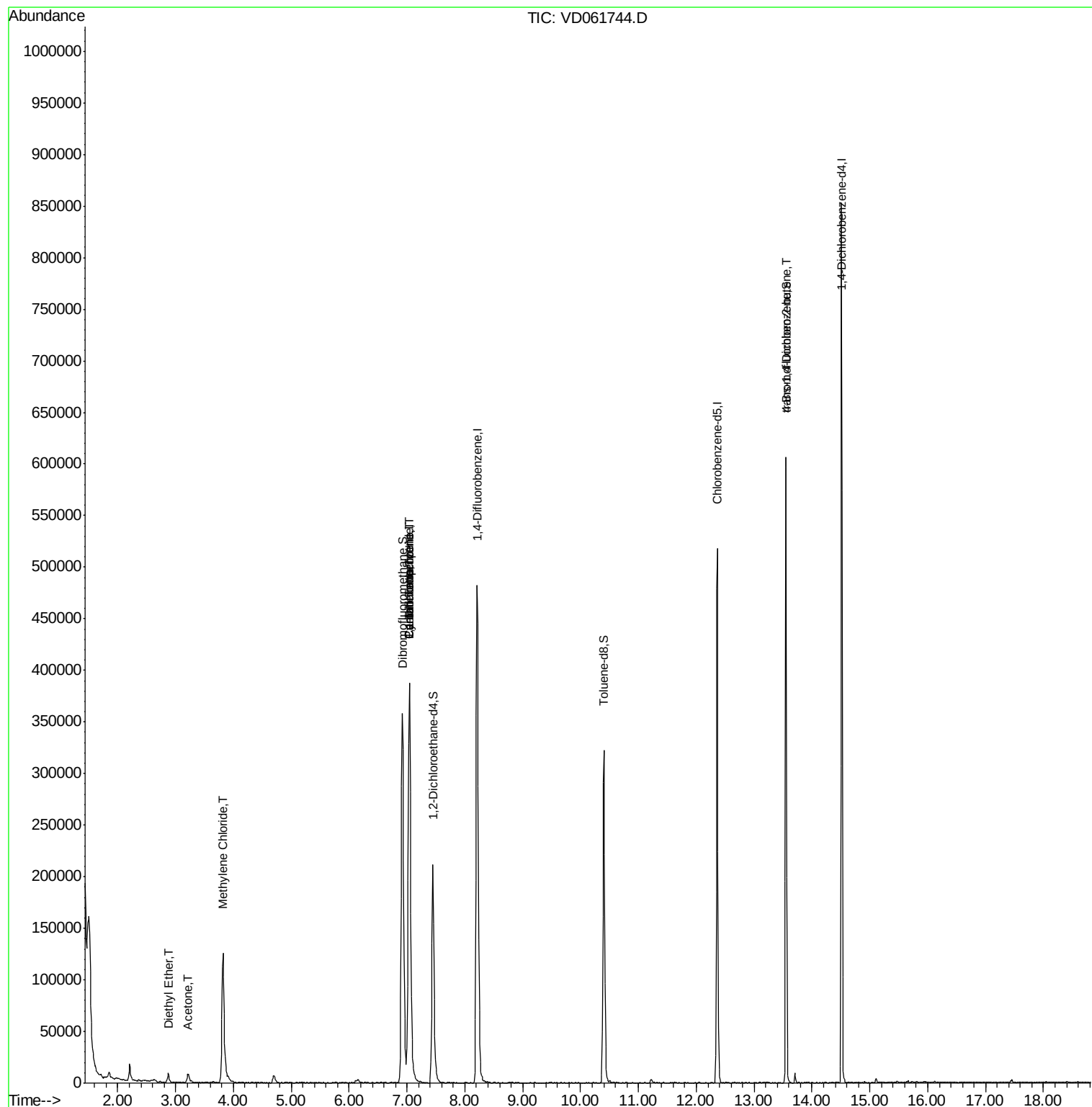
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	439815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	611791	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	332577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	198641	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	218404	65.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	131.02%	
35) Dibromofluoromethane	6.92	113	338803	79.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	159.88%	
50) Toluene-d8	10.40	98	284391	26.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	53.42%	
62) 4-Bromofluorobenzene	13.54	95	215531	60.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.14%	
Target Compounds						
8) Diethyl Ether	2.87	74	3731	2.457	ug/l	98
16) Acetone	3.21	43	17389	17.449	ug/l	96
20) Methylene Chloride	3.82	84	96956	17.145	ug/l	97
31) Cyclohexane	7.04	56	7399	1.179	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	32779	6.122	ug/l #	46
38) Carbon Tetrachloride	7.04	117	41980	6.690	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.54	75	81506	99.387	ug/l #	20

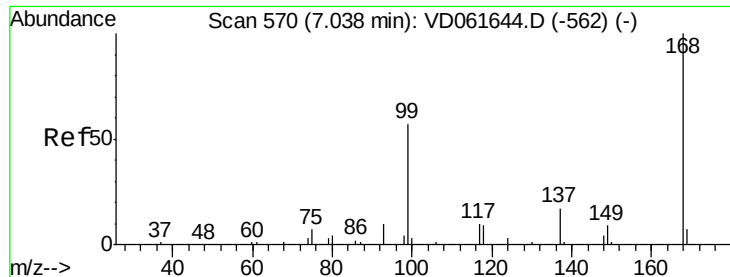
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD061744.D

Acq: 11 Apr 2019 16:43

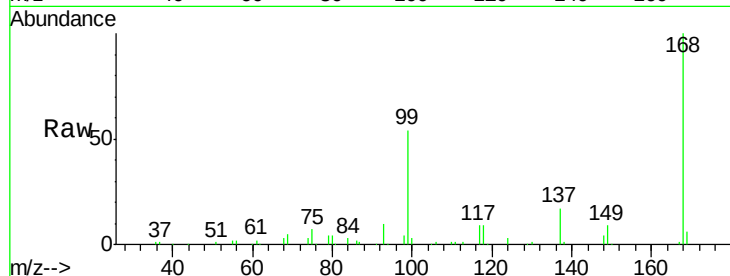
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 439815

Ion Ratio Lower Upper

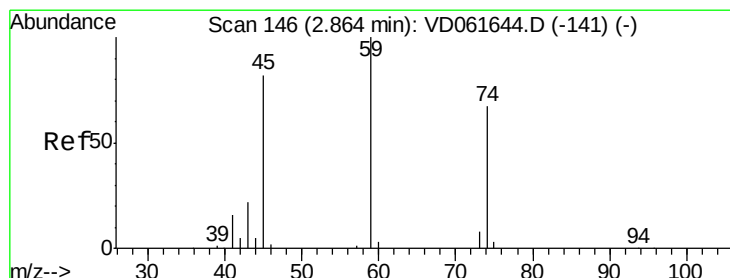
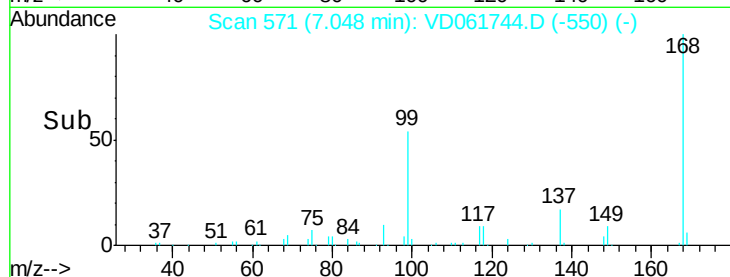
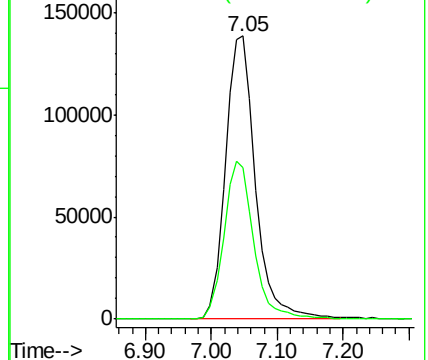
168 100

99 53.5 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: 2.457 ug/l

RT: 2.87 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD061744.D

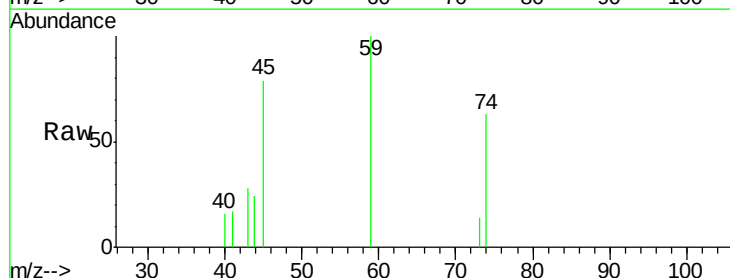
Acq: 11 Apr 2019 16:43

Tgt Ion: 74 Resp: 3731

Ion Ratio Lower Upper

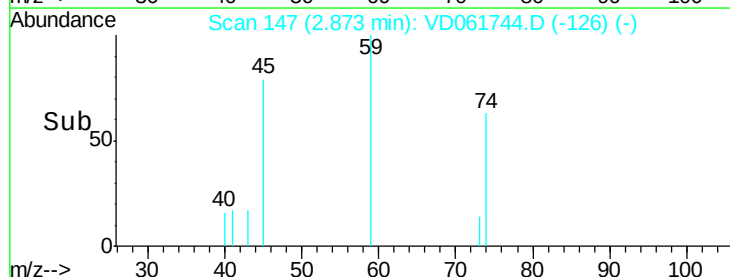
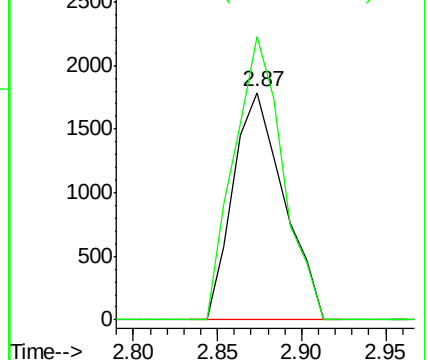
74 100

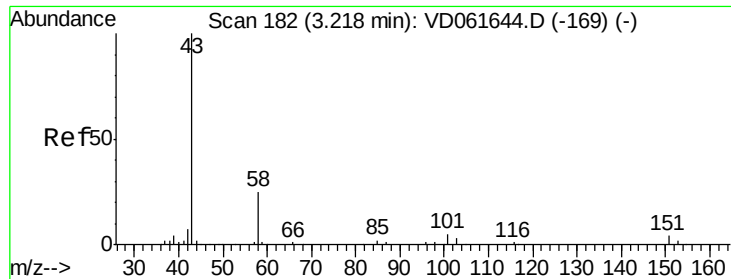
45 124.6 61.0 183.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

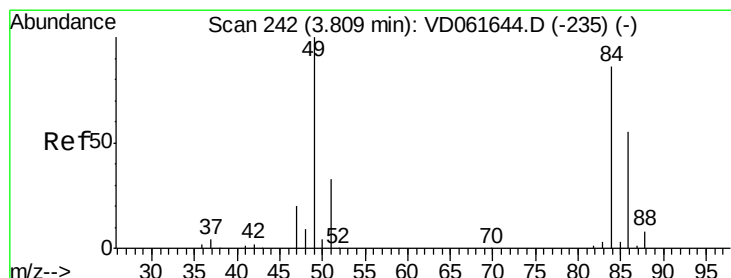
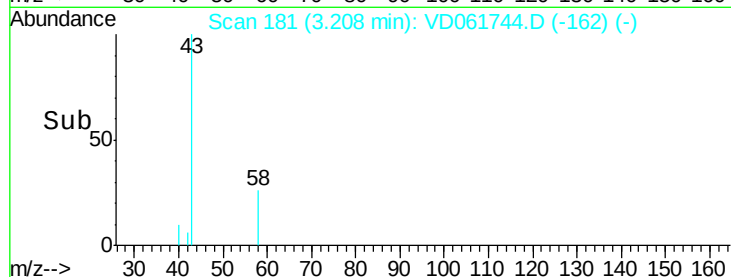
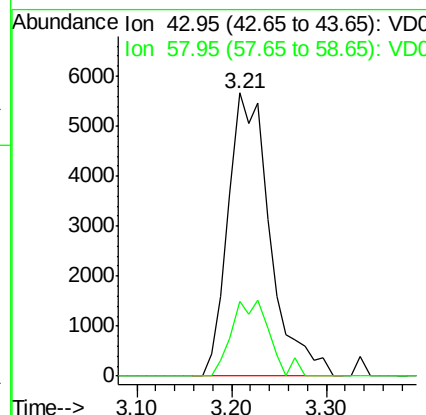
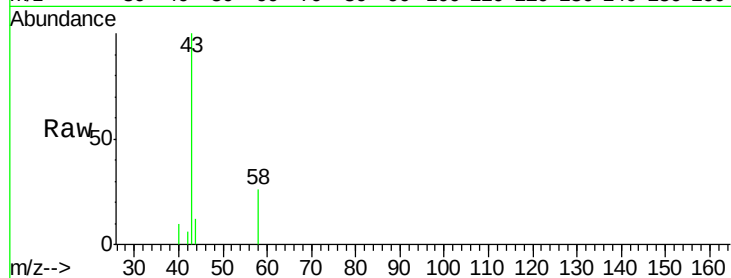




#16
Acetone
Concen: 17.449 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.01 min
Lab File: VD061744.D
Acq: 11 Apr 2019 16:43

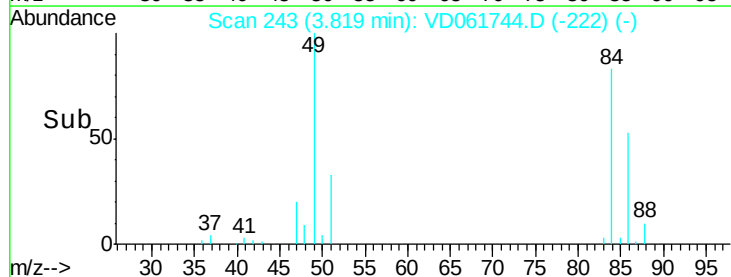
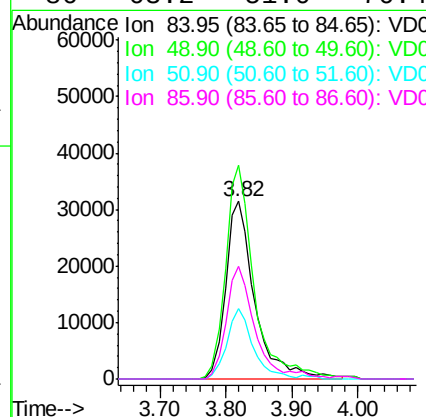
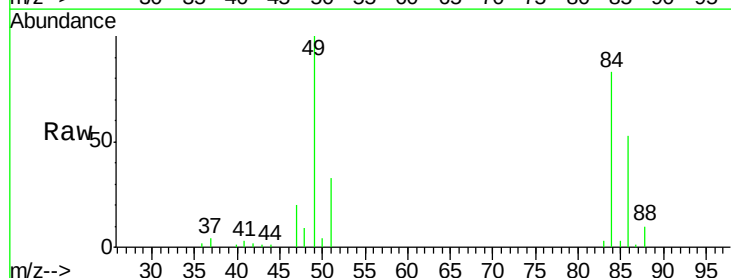
Instrument :
MSVOA_D
ClientSampleId :

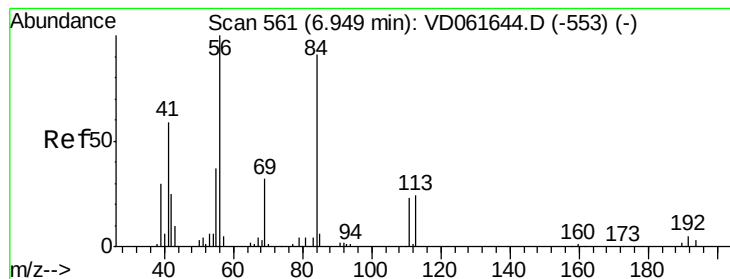
Tot Ion: 43 Resp: 17389
Ion Ratio Lower Upper
43 100
58 26.4 19.7 29.5



#20
Methylene Chloride
Concen: 17.145 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061744.D
Acq: 11 Apr 2019 16:43

Tgt Ion: 84 Resp: 96956
Ion Ratio Lower Upper
84 100
49 120.2 93.0 139.4
51 39.5 30.4 45.6
86 63.2 51.0 76.4





#31

Cyclohexane

Concen: 1.179 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.09 min

Lab File: VD061744.D

Acq: 11 Apr 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :

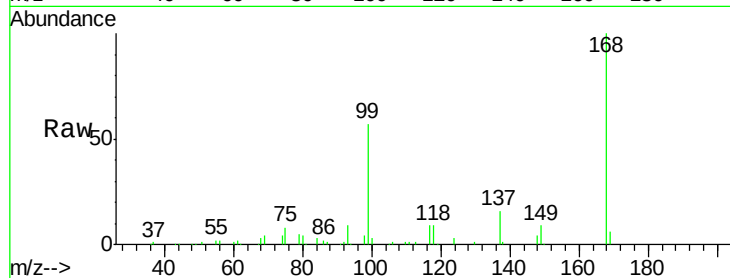
Tot Ion: 56 Resp: 7399

Ion Ratio Lower Upper

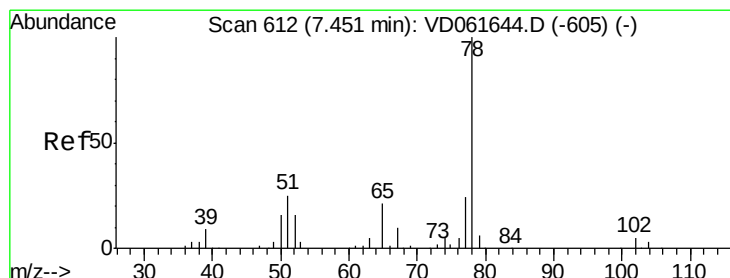
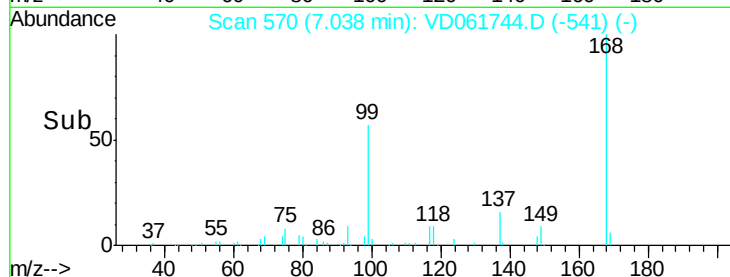
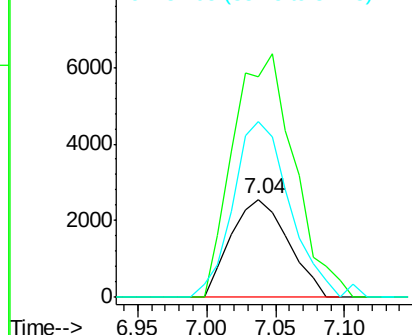
56 100

69 225.0 25.8 38.6#

84 179.1 74.2 111.2#



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: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061744.D

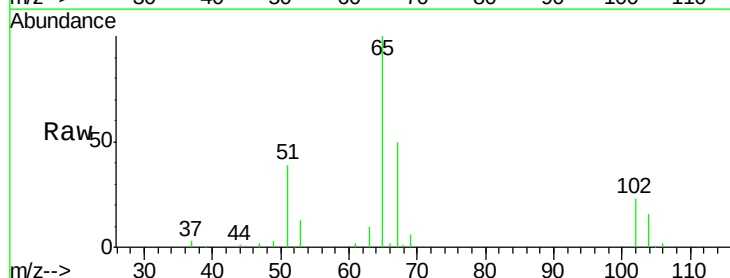
Acq: 11 Apr 2019 16:43

Tgt Ion: 65 Resp: 218404

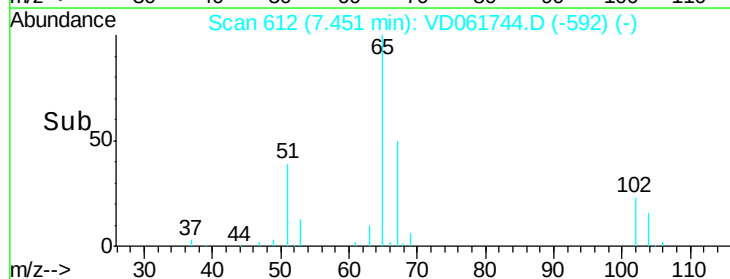
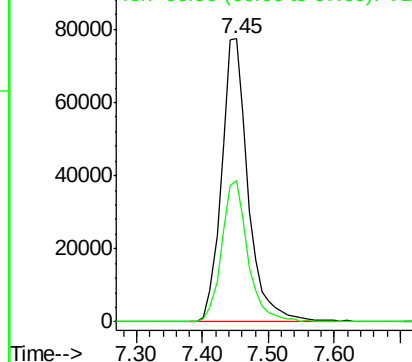
Ion Ratio Lower Upper

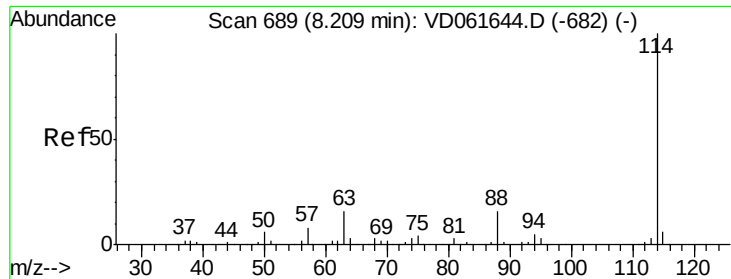
65 100

67 50.0 0.0 99.4



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

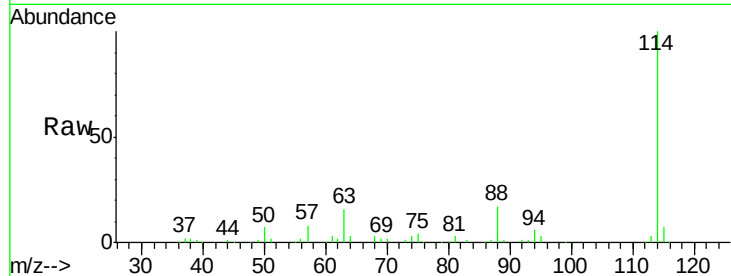




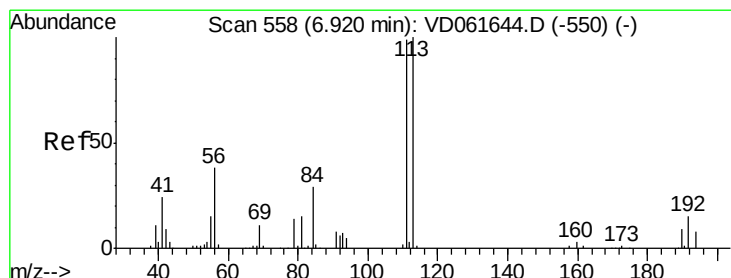
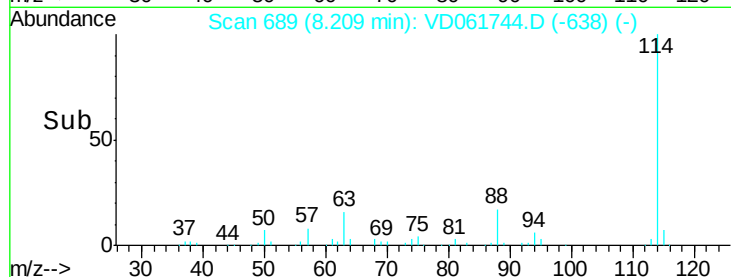
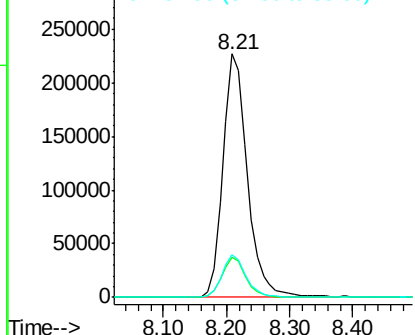
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD061744.D
 Acq: 11 Apr 2019 16:43

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 611791
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 31.2
 88 17.4 0.0 31.8

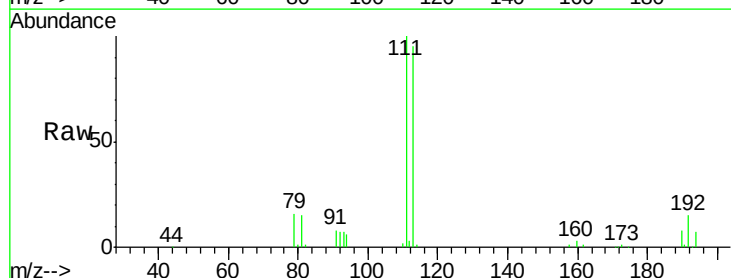


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

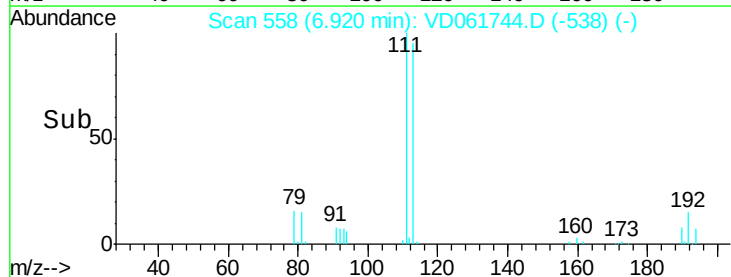
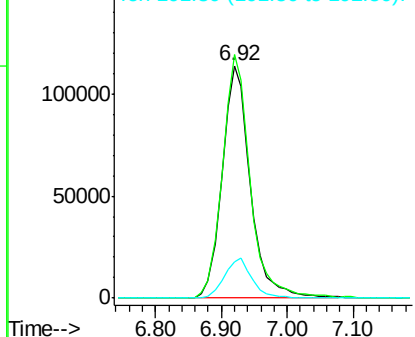


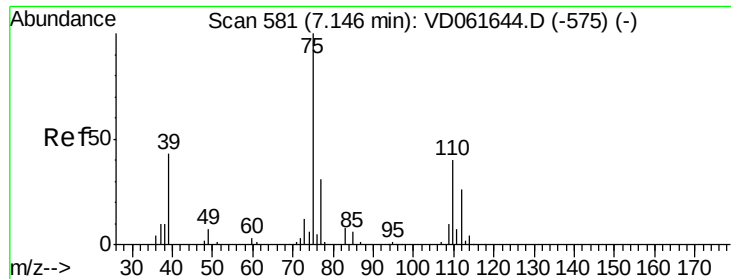
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: VD061744.D
 Acq: 11 Apr 2019 16:43

Tgt Ion:113 Resp: 338803
 Ion Ratio Lower Upper
 113 100
 111 104.9 79.3 118.9
 192 15.7 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

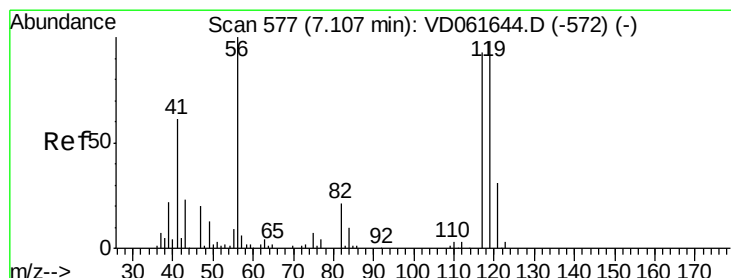
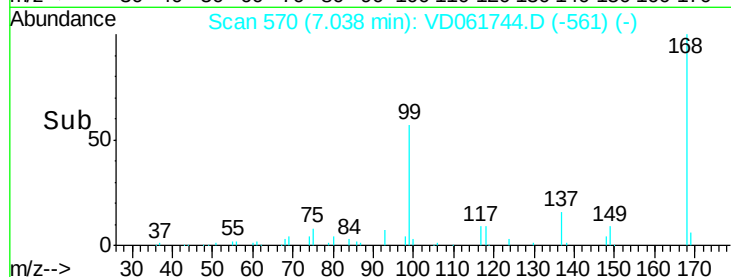
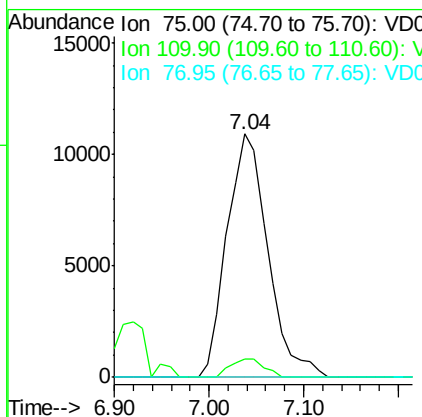
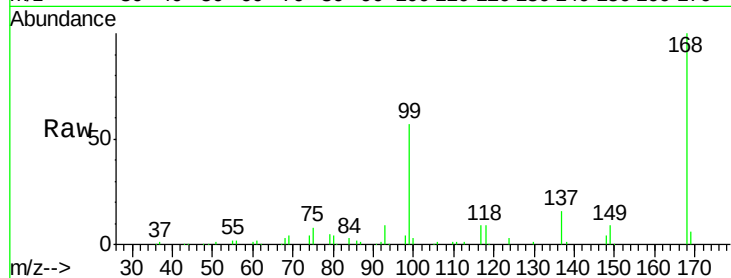




#36
 1,1-Dichloropropene
 Concen: 6.122 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD061744.D
 Acq: 11 Apr 2019 16:43

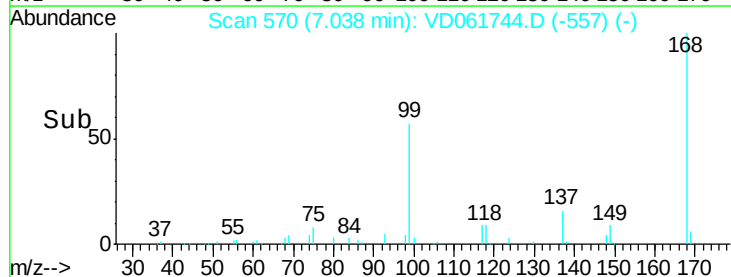
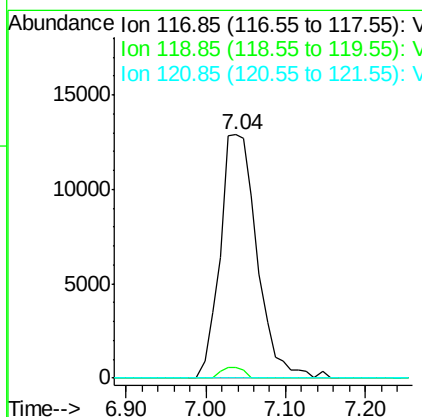
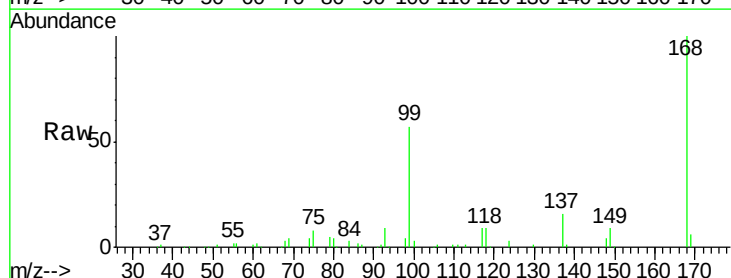
Instrument :
 MSVOA_D
 ClientSampled :

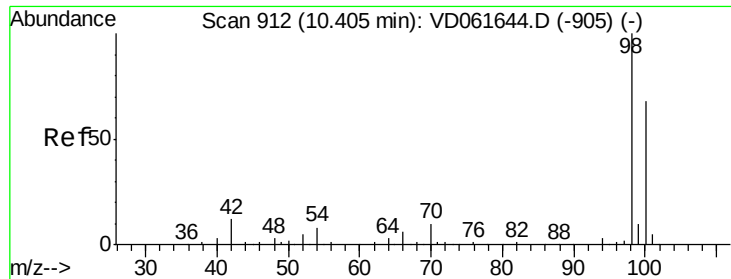
Tot Ion: 75 Resp: 32779
 Ion Ratio Lower Upper
 75 100
 110 7.7 19.7 59.0#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.690 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.07 min
 Lab File: VD061744.D
 Acq: 11 Apr 2019 16:43

Tgt Ion: 117 Resp: 41980
 Ion Ratio Lower Upper
 117 100
 119 4.5 77.9 116.9#
 121 0.0 24.7 37.1#

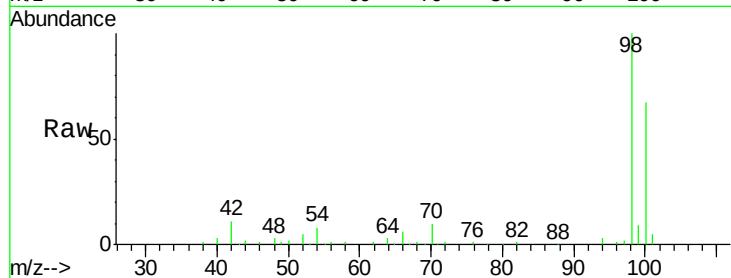




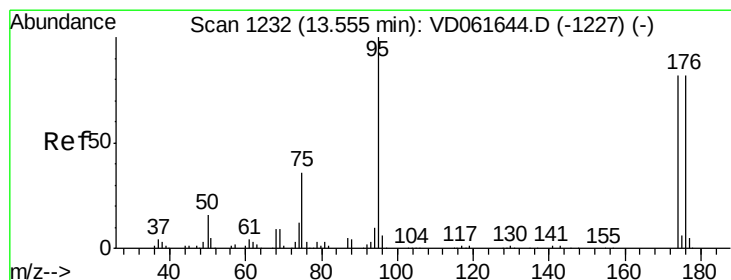
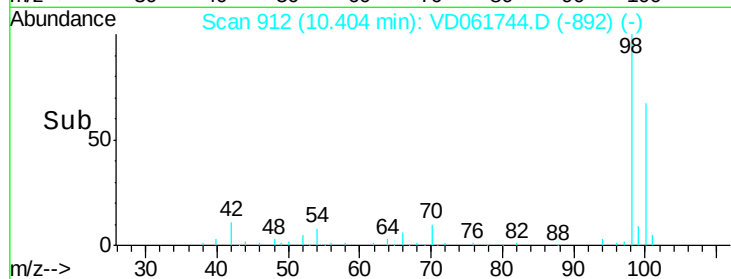
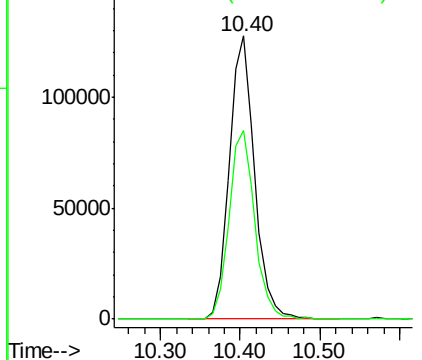
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD061744.D
Acq: 11 Apr 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 284391
Ion Ratio Lower Upper
98 100
100 66.7 55.4 83.0

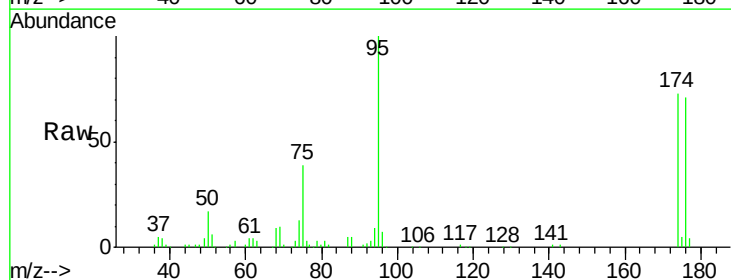


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

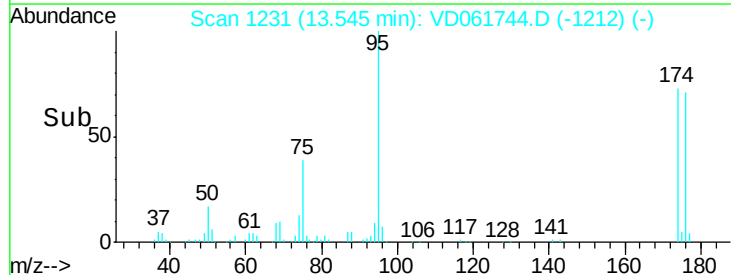
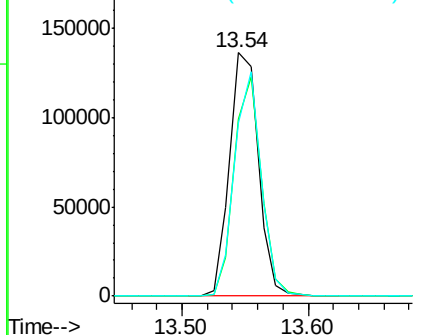


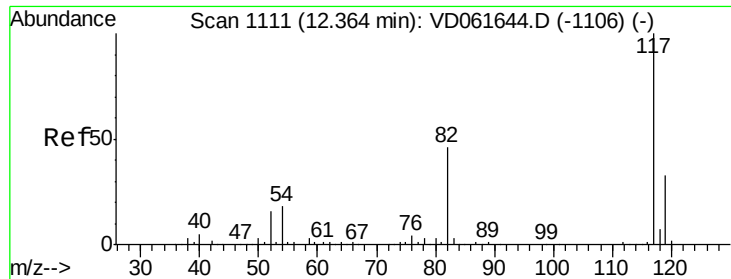
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD061744.D
Acq: 11 Apr 2019 16:43

Tgt Ion: 95 Resp: 215531
Ion Ratio Lower Upper
95 100
174 73.0 0.0 164.6
176 71.0 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

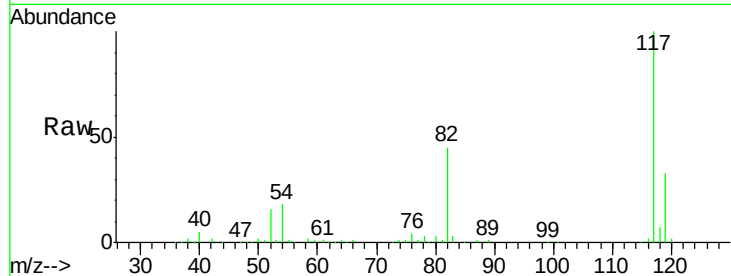




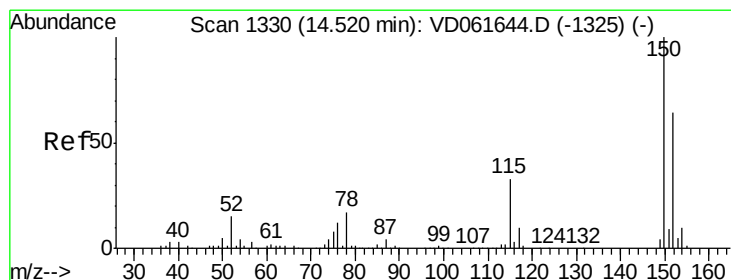
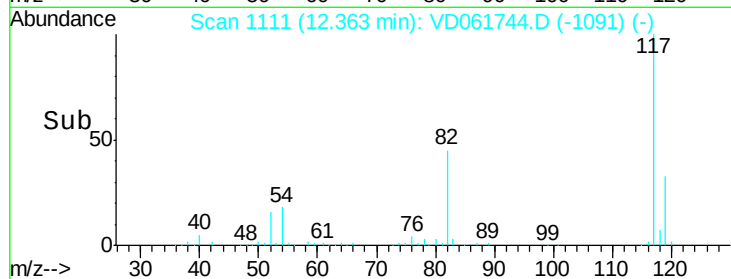
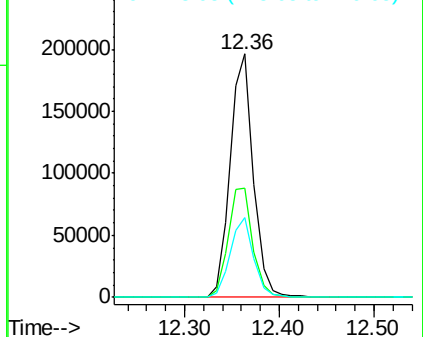
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.36 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VD061744.D
 Acq: 11 Apr 2019 16:43

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:117 Resp: 332577
 Ion Ratio Lower Upper
 117 100
 82 44.9 36.8 55.2
 119 32.8 26.1 39.1

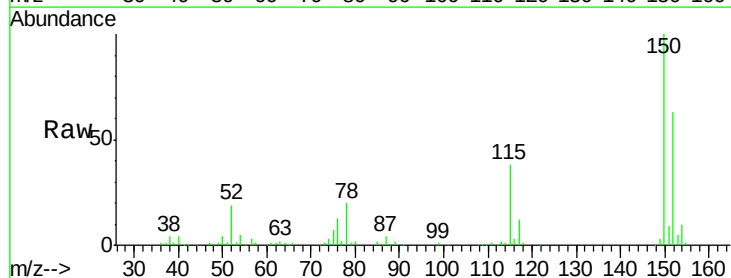


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

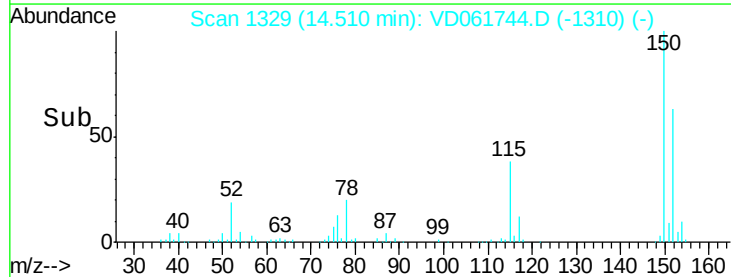
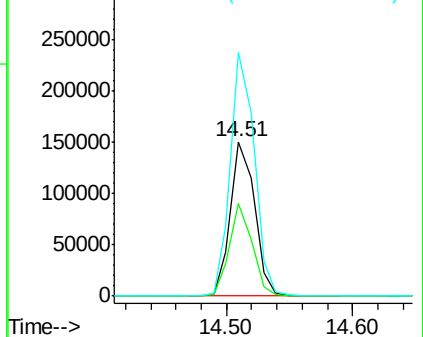


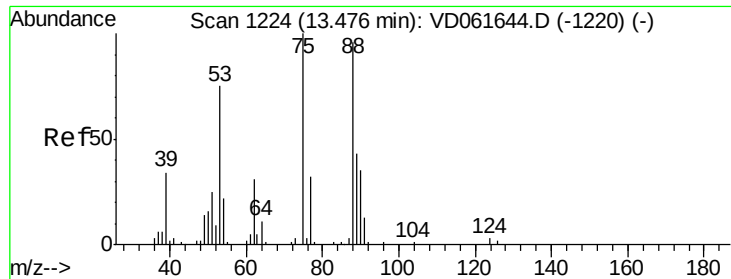
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD061744.D
 Acq: 11 Apr 2019 16:43

Tgt Ion:152 Resp: 198641
 Ion Ratio Lower Upper
 152 100
 115 60.0 26.4 79.2
 150 158.1 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





#81

trans-1,4-Dichloro-2-butene

Concen: 99.387 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061744.D

Acq: 11 Apr 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

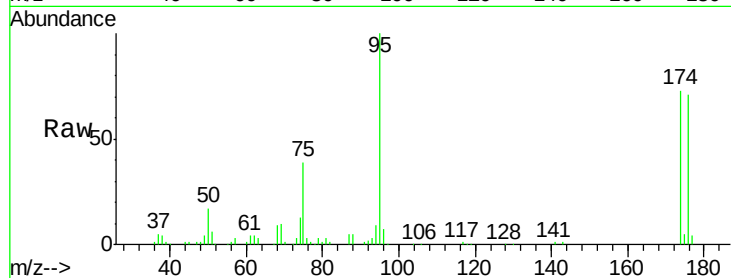
Tot Ion: 75 Resp: 81506

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

