

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061662.D
 Acq On : 8 Apr 2019 20:45
 Operator : VA/AP
 Sample : K2294-06
 Misc : 2.36g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:23:15 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	7.07	168	342306	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	459394	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	216167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	30402	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	104092	40.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.24%	
35) Dibromofluoromethane	6.94	113	168051	52.80	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	105.60%	
50) Toluene-d8	10.42	98	314330	39.31	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	78.62%	
62) 4-Bromofluorobenzene	13.56	95	57643	17.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	35.32%	

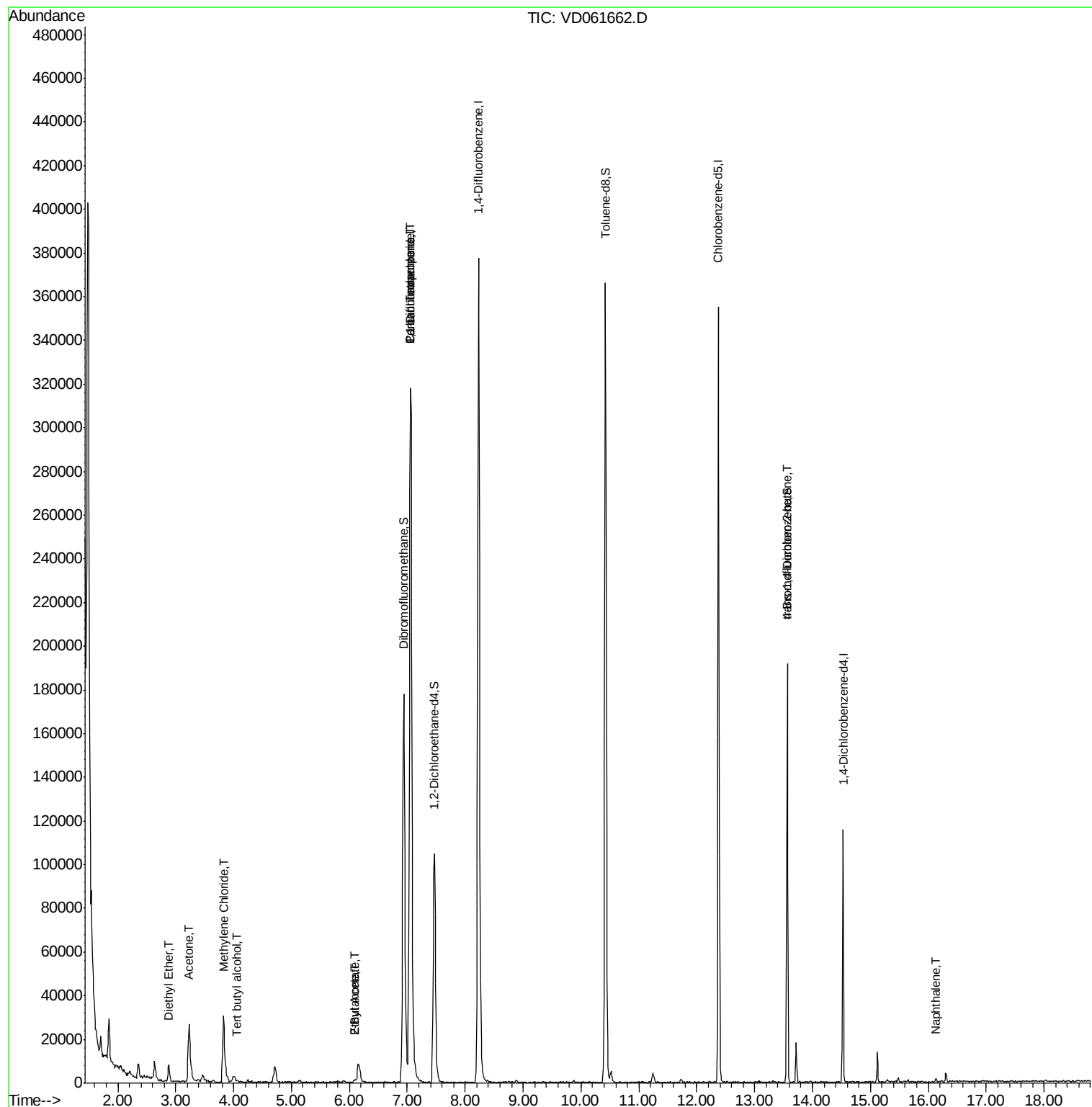
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.88	74	3570	3.021	ug/l	72
11) Tert butyl alcohol	4.05	59	1493	8.586	ug/l #	72
16) Acetone	3.23	43	55986	72.181	ug/l	99
20) Methylene Chloride	3.83	84	21375	4.856	ug/l	90
25) 2-Butanone	6.09	43	2941	3.289	ug/l #	54
36) 1,1-Dichloropropene	7.06	75	23528	5.852	ug/l #	44
37) Ethyl Acetate	6.09	43	2941	1.796	ug/l #	68
38) Carbon Tetrachloride	7.06	117	33060	7.016	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.56	75	21934	174.753	ug/l #	20
95) Naphthalene	16.13	128	868	1.291	ug/l #	70

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

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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.03 min

Lab File: VD061662.D

Acq: 8 Apr 2019 20:45

Instrument :

MSVOA_D

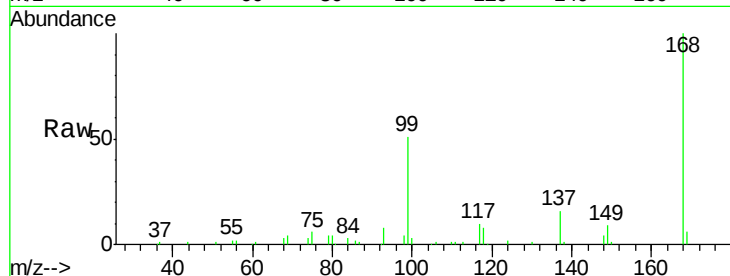
ClientSampleId :

Tot Ion:168 Resp: 342306

Ion Ratio Lower Upper

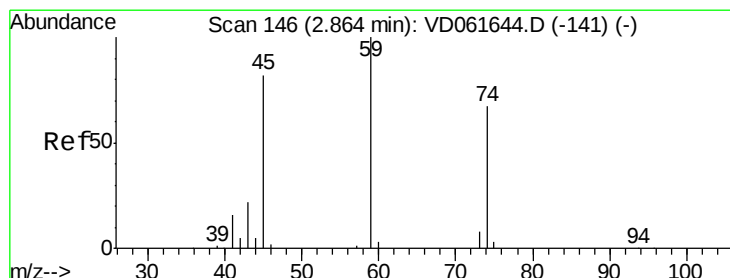
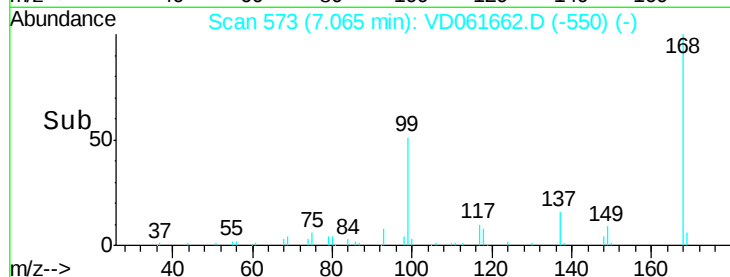
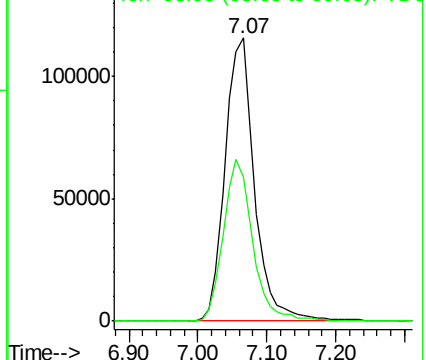
168 100

99 50.7 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: 3.021 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD061662.D

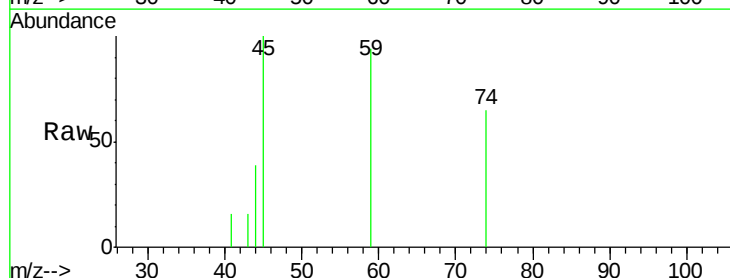
Acq: 8 Apr 2019 20:45

Tgt Ion: 74 Resp: 3570

Ion Ratio Lower Upper

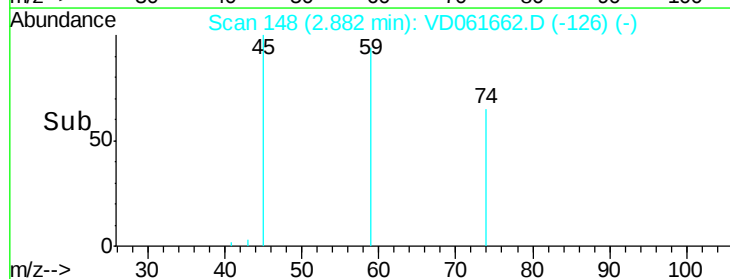
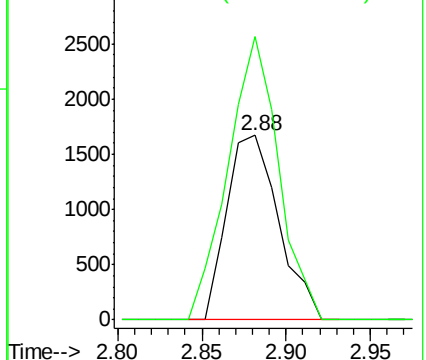
74 100

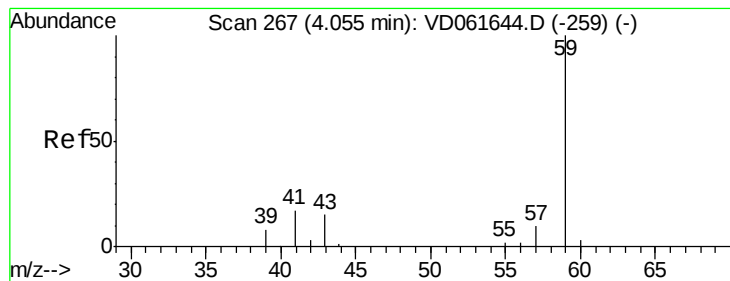
45 153.3 61.0 183.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



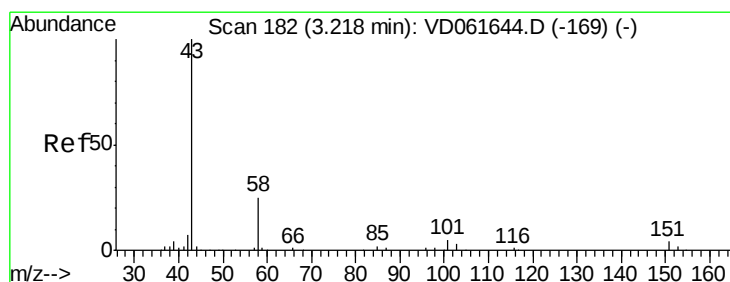
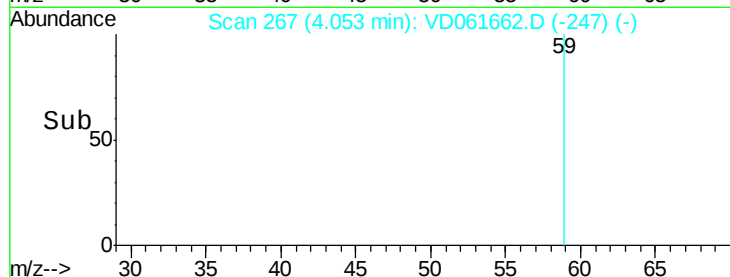
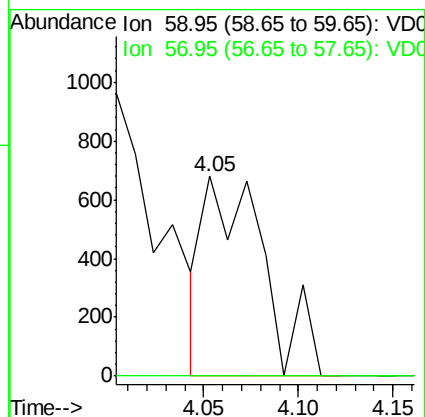
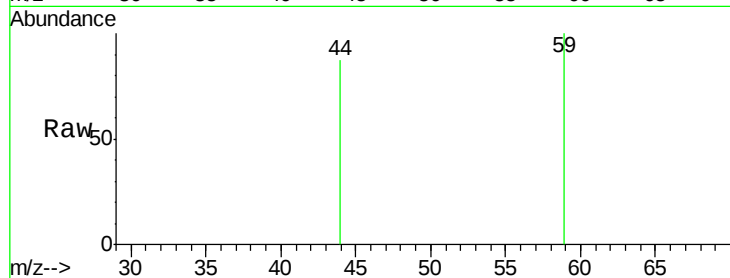


#11

Tert butyl alcohol
 Concen: 8.586 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. -0.00 min
 Lab File: VD061662.D
 Acq: 8 Apr 2019 20:45

Instrument :
 MSVOA_D
 ClientSampleID :

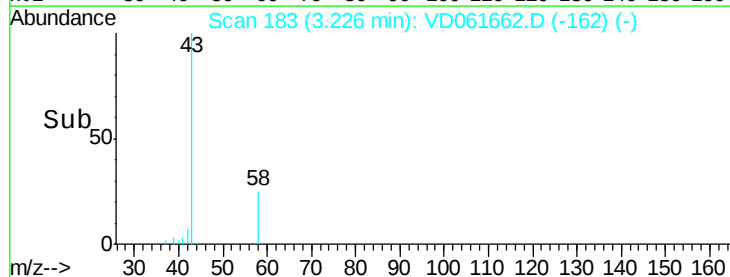
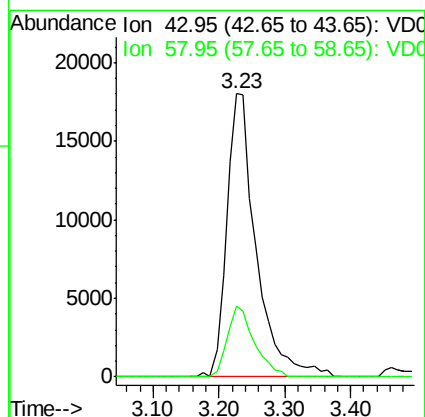
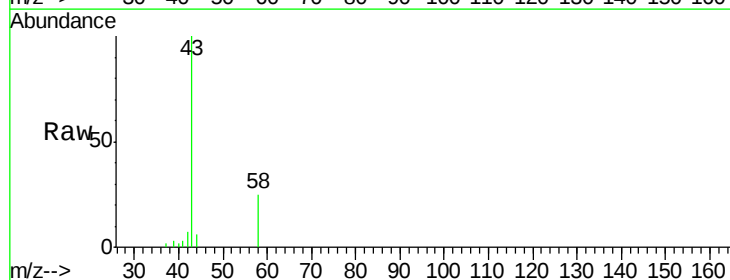
Tot Ion: 59 Resp: 1493
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

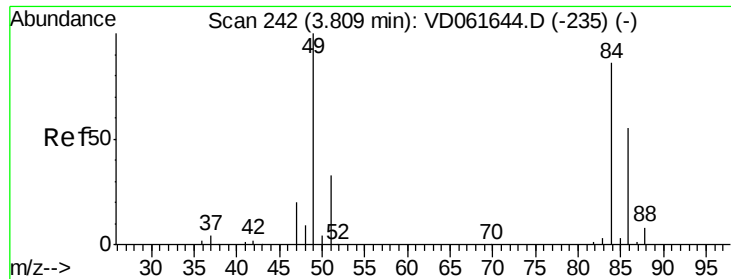


#16

Acetone
 Concen: 72.181 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VD061662.D
 Acq: 8 Apr 2019 20:45

Tgt Ion: 43 Resp: 55986
 Ion Ratio Lower Upper
 43 100
 58 25.3 19.7 29.5

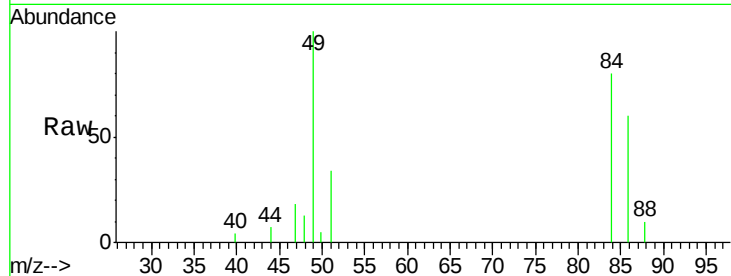




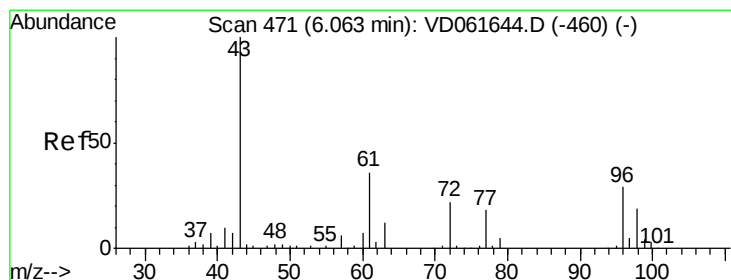
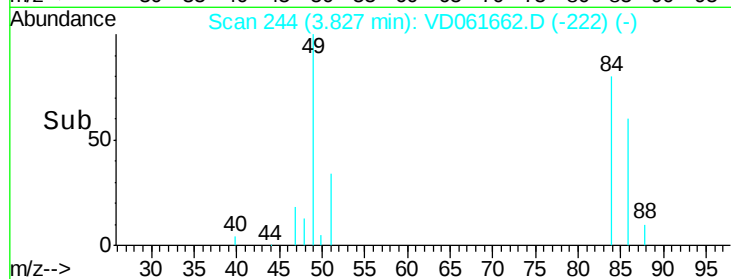
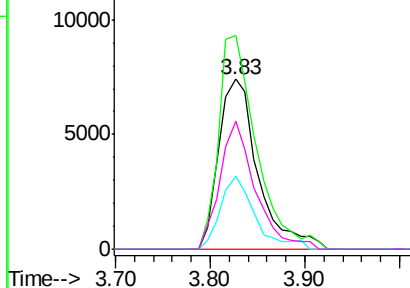
#20
Methylene Chloride
Concen: 4.856 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061662.D
Acq: 8 Apr 2019 20:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 21375
Ion Ratio Lower Upper
84 100
49 125.5 93.0 139.4
51 43.0 30.4 45.6
86 75.5 51.0 76.4

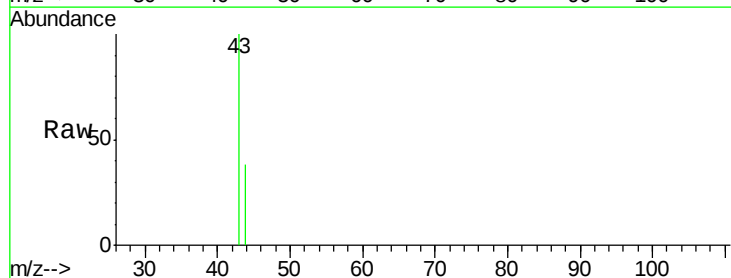


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

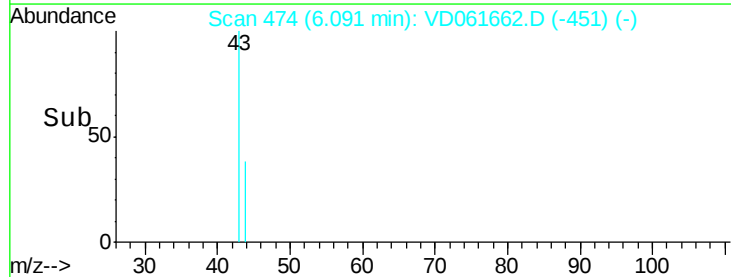
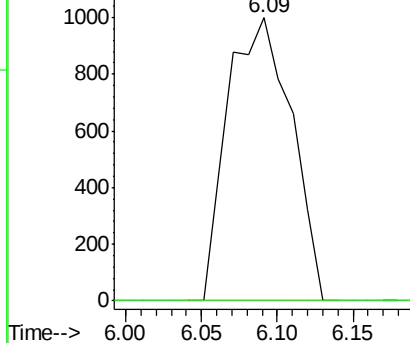


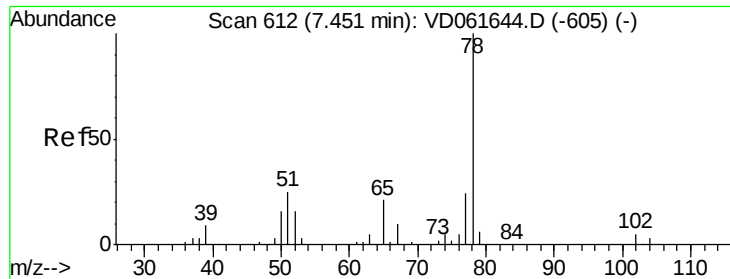
#25
2-Butanone
Concen: 3.289 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.03 min
Lab File: VD061662.D
Acq: 8 Apr 2019 20:45

Tgt Ion: 43 Resp: 2941
Ion Ratio Lower Upper
43 100
72 0.0 17.4 26.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061662.D

Acq: 8 Apr 2019 20:45

Instrument :

MSVOA_D

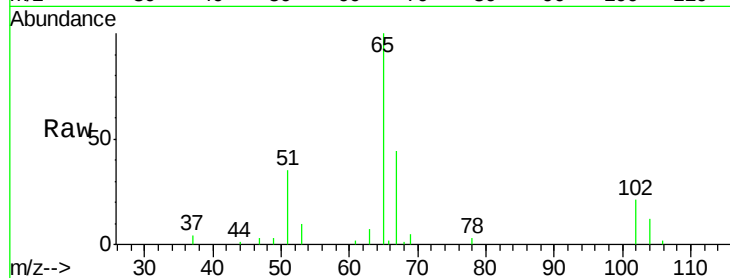
ClientSampleId :

Tot Ion: 65 Resp: 104092

Ion Ratio Lower Upper

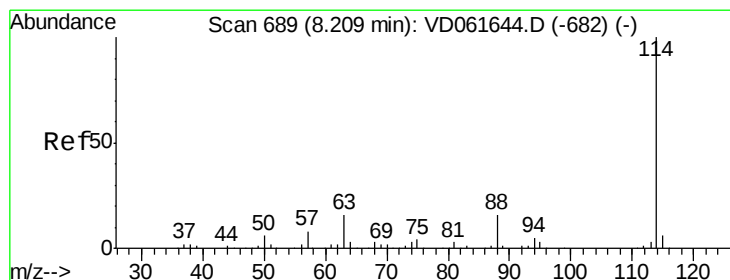
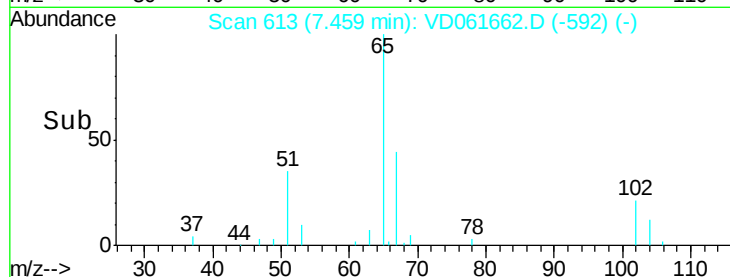
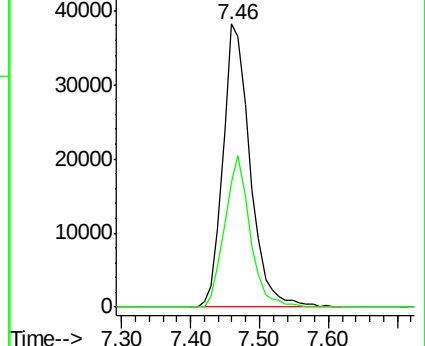
65 100

67 43.9 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: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD061662.D

Acq: 8 Apr 2019 20:45

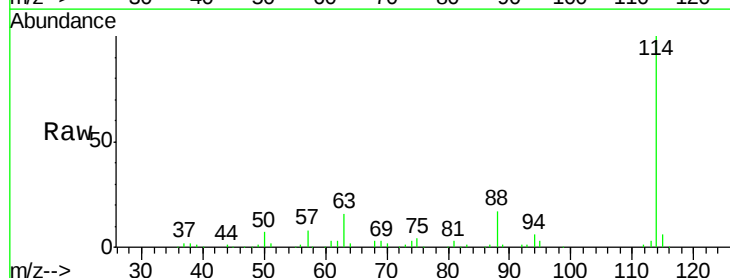
Tgt Ion: 114 Resp: 459394

Ion Ratio Lower Upper

114 100

63 16.2 0.0 31.2

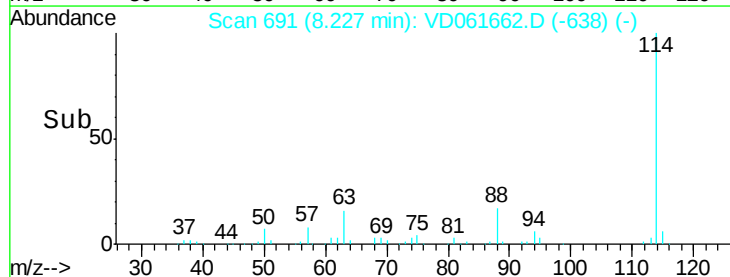
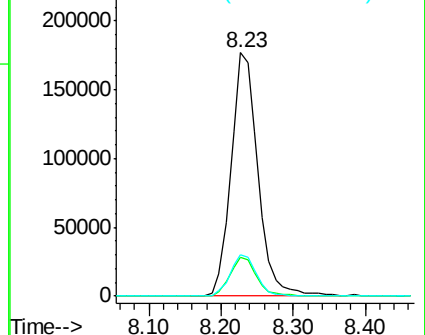
88 17.2 0.0 31.8

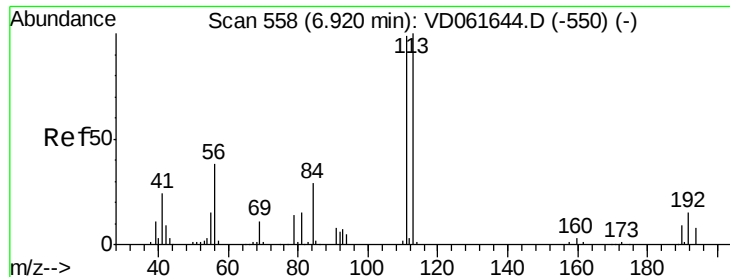


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

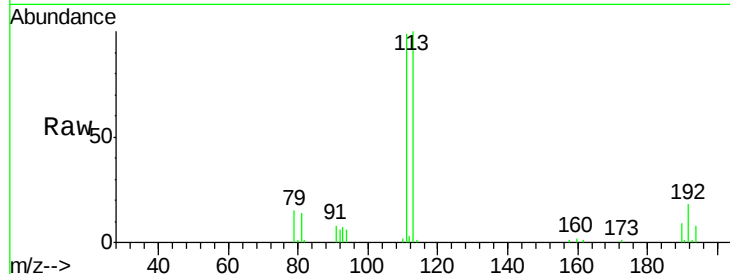




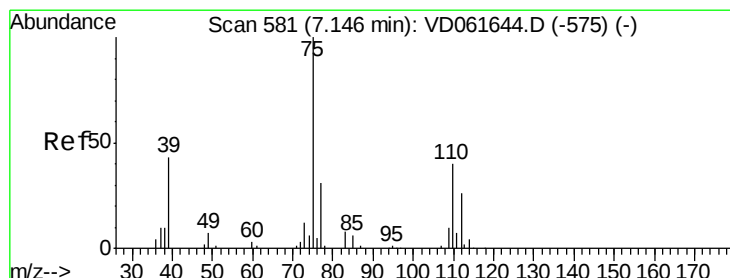
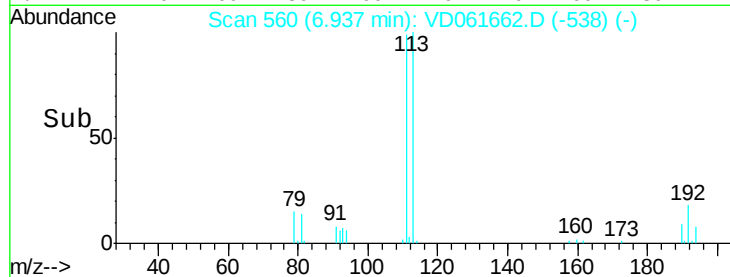
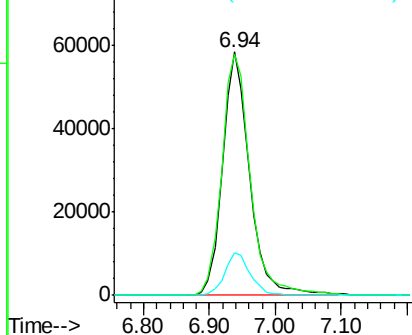
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD061662.D
 Acq: 8 Apr 2019 20:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 168051
 Ion Ratio Lower Upper
 113 100
 111 99.1 79.3 118.9
 192 17.6 12.3 18.5

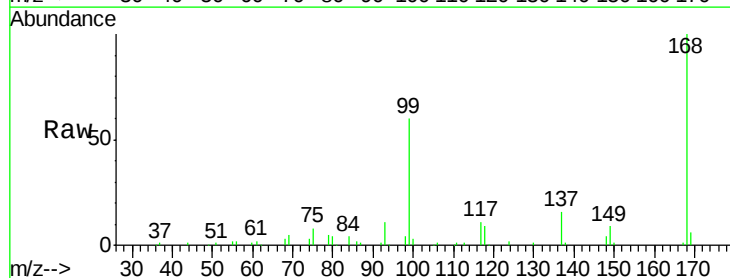


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

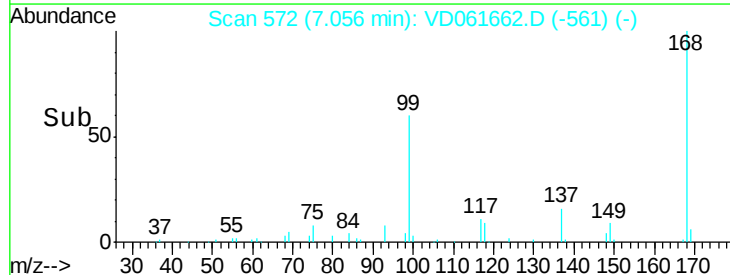
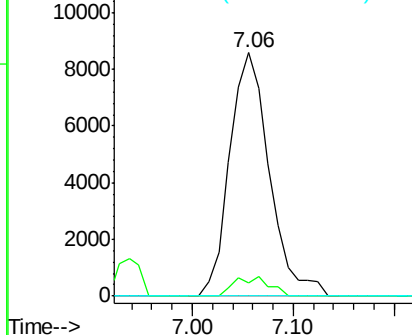


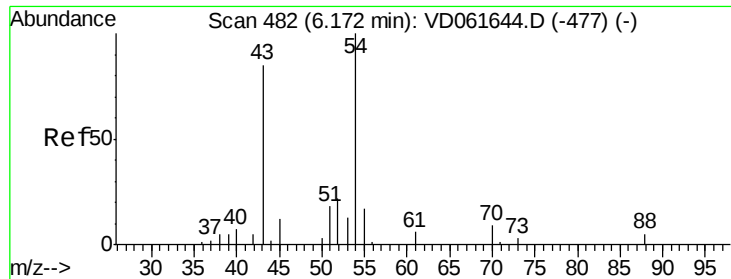
#36
 1,1-Dichloropropene
 Concen: 5.852 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD061662.D
 Acq: 8 Apr 2019 20:45

Tgt Ion: 75 Resp: 23528
 Ion Ratio Lower Upper
 75 100
 110 5.5 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

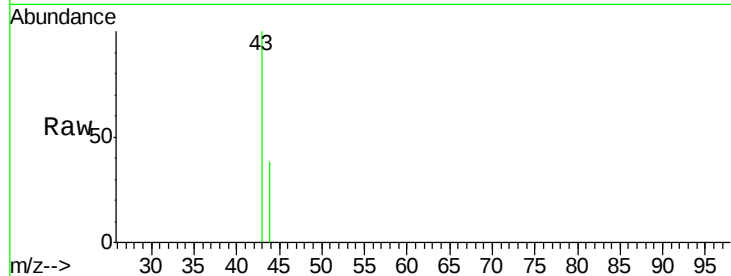




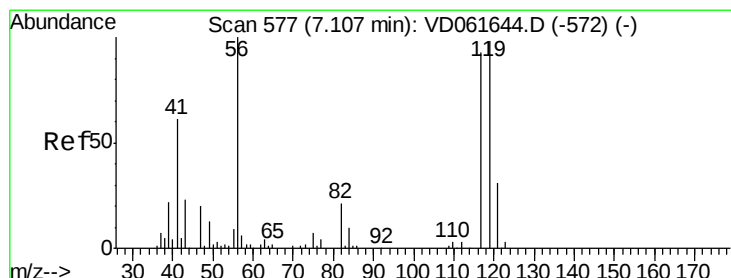
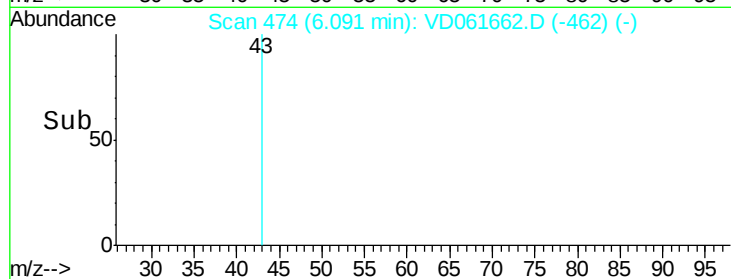
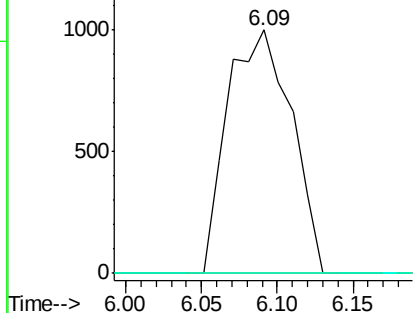
#37
Ethyl Acetate
Concen: 1.796 ug/l
RT: 6.09 min Scan# 474
Delta R.T. -0.08 min
Lab File: VD061662.D
Acq: 8 Apr 2019 20:45

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 2941
Ion Ratio Lower Upper
43 100
61 0.0 11.9 17.9#
70 0.0 6.9 10.3#

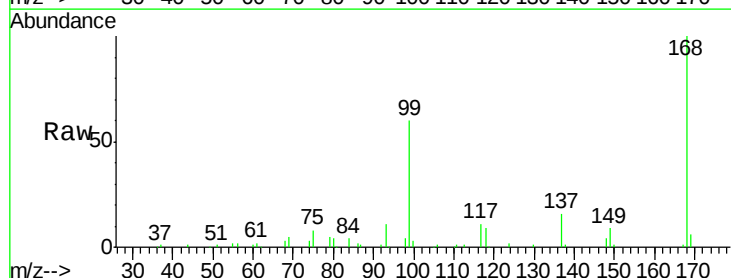


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

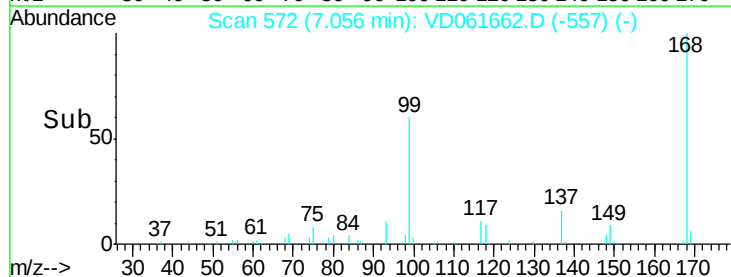
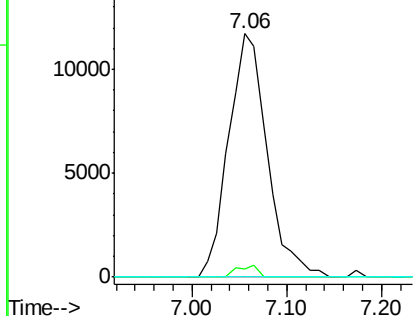


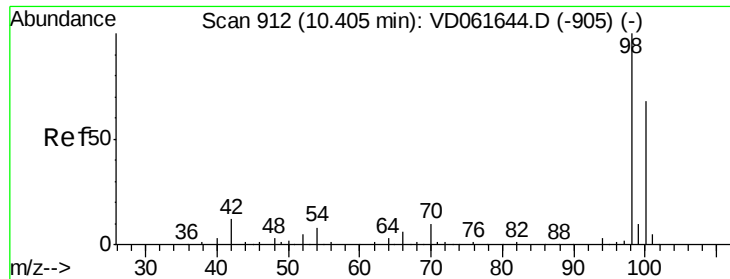
#38
Carbon Tetrachloride
Concen: 7.016 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.05 min
Lab File: VD061662.D
Acq: 8 Apr 2019 20:45

Tgt Ion: 117 Resp: 33060
Ion Ratio Lower Upper
117 100
119 3.4 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

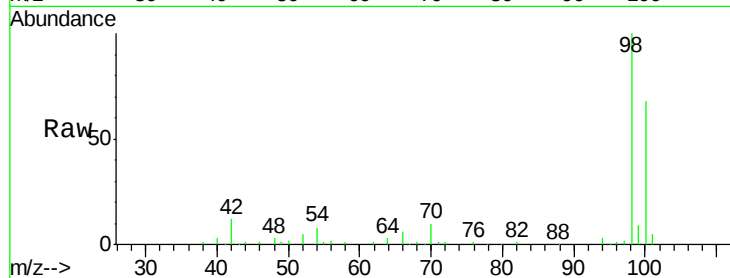




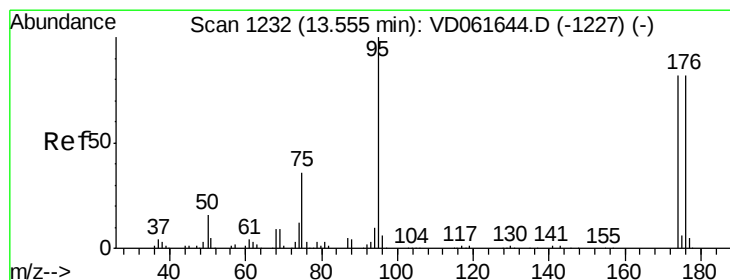
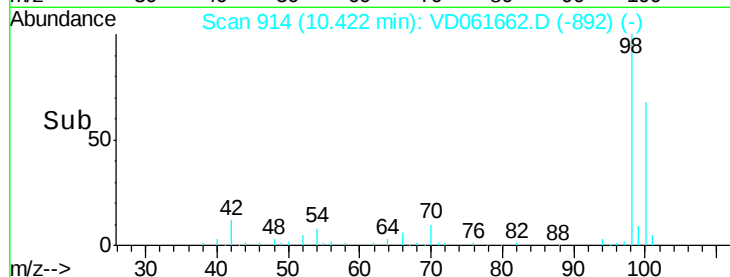
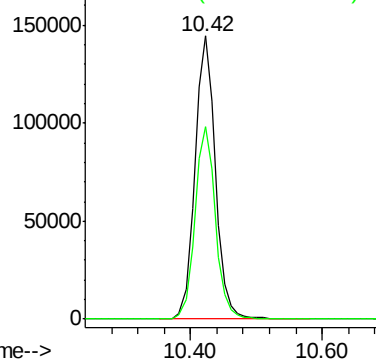
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061662.D
Acq: 8 Apr 2019 20:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 314330
Ion Ratio Lower Upper
98 100
100 67.8 55.4 83.0

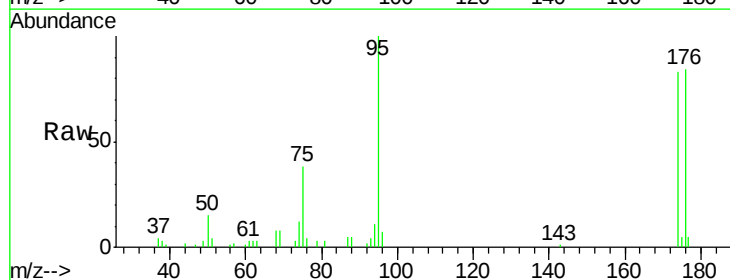


Abundance Ion 98.05 (97.75 to 98.75): VD061644.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD061644.D (-905) (-)

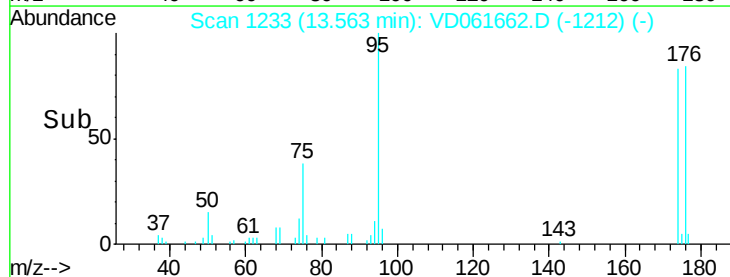
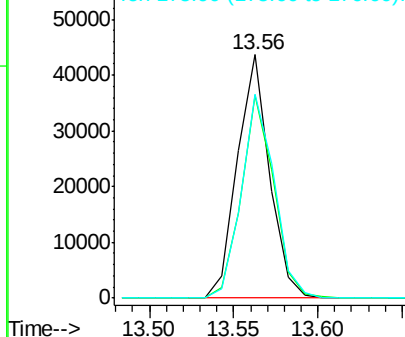


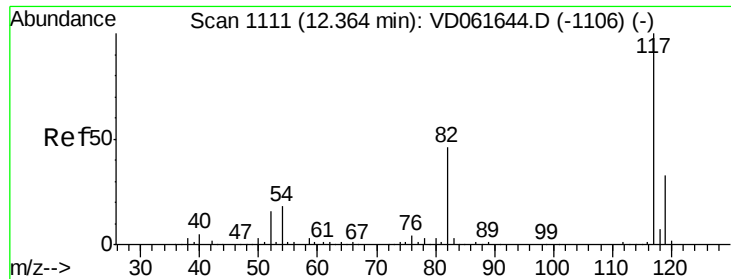
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061662.D
Acq: 8 Apr 2019 20:45

Tgt Ion: 95 Resp: 57643
Ion Ratio Lower Upper
95 100
174 83.4 0.0 164.6
176 83.9 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): VD061644.D (-1227) (-)
Ion 173.90 (173.60 to 174.60): VD061644.D (-1227) (-)
Ion 175.90 (175.60 to 176.60): VD061644.D (-1227) (-)

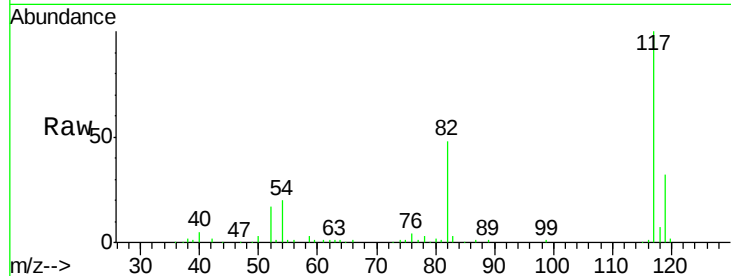




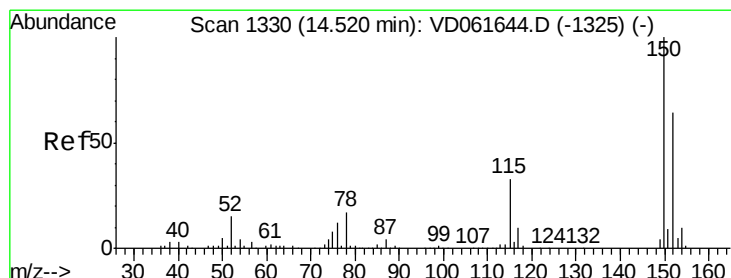
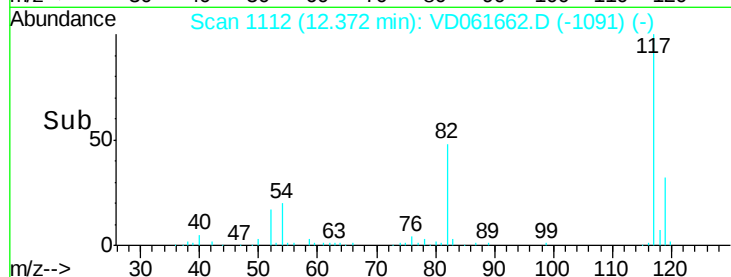
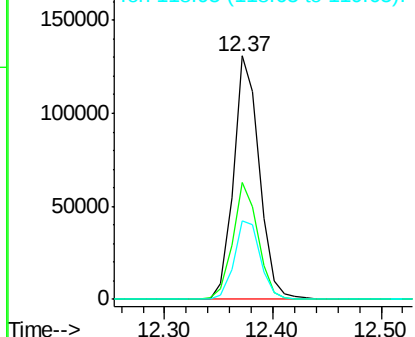
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061662.D
Acq: 8 Apr 2019 20:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 216167
Ion Ratio Lower Upper
117 100
82 47.9 36.8 55.2
119 32.1 26.1 39.1

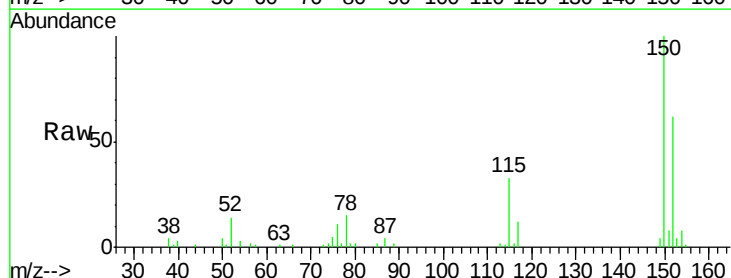


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

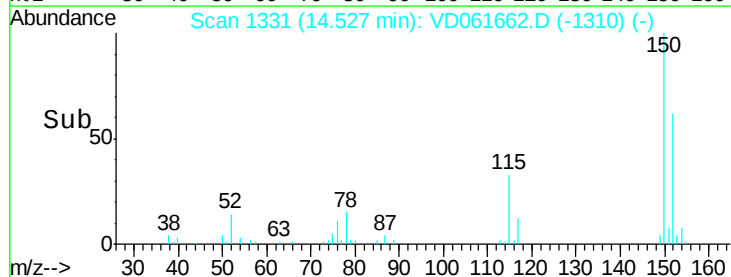
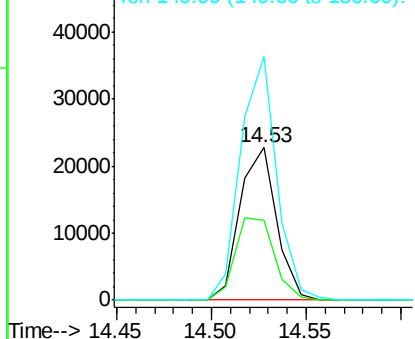


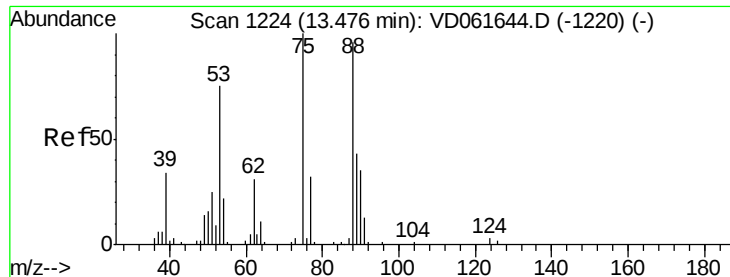
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061662.D
Acq: 8 Apr 2019 20:45

Tgt Ion:152 Resp: 30402
Ion Ratio Lower Upper
152 100
115 52.4 26.4 79.2
150 160.0 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: 174.753 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061662.D

Acq: 8 Apr 2019 20:45

Instrument :

MSVOA_D

ClientSampleId :

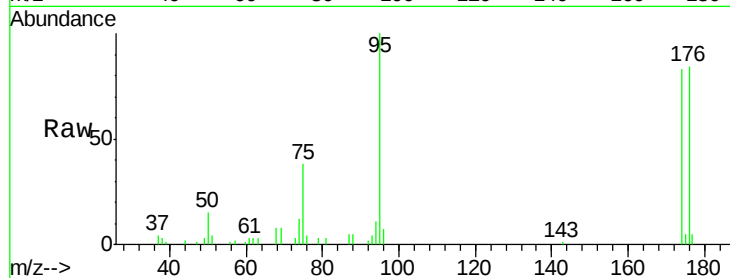
Tot Ion: 75 Resp: 21934

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

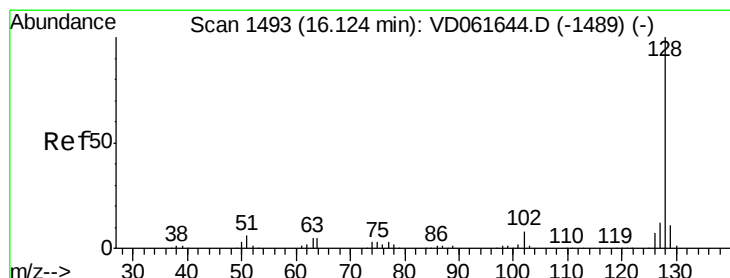
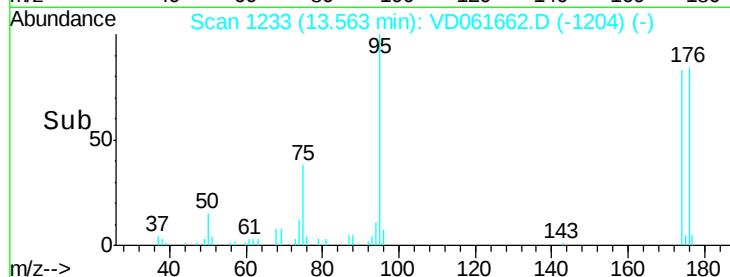
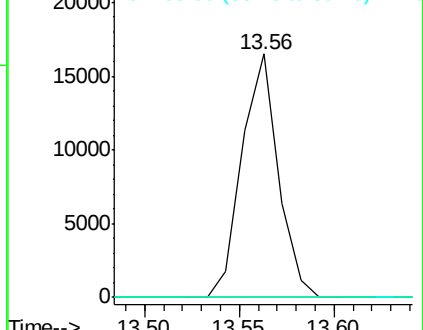
89 0.0 34.2 51.2#



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



#95

Naphthalene

Concen: 1.291 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD061662.D

Acq: 8 Apr 2019 20:45

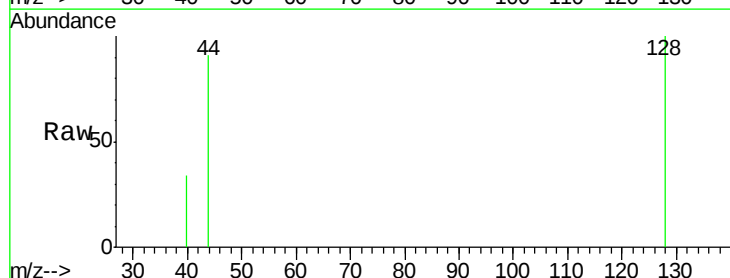
Tgt Ion: 128 Resp: 868

Ion Ratio Lower Upper

128 100

127 0.0 9.4 14.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

