

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061987.D
 Acq On : 24 Apr 2019 2:28
 Operator : VA/AP
 Sample : K2204-03
 Misc : 6.38g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-042219

Quant Time: Apr 24 03:54:06 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

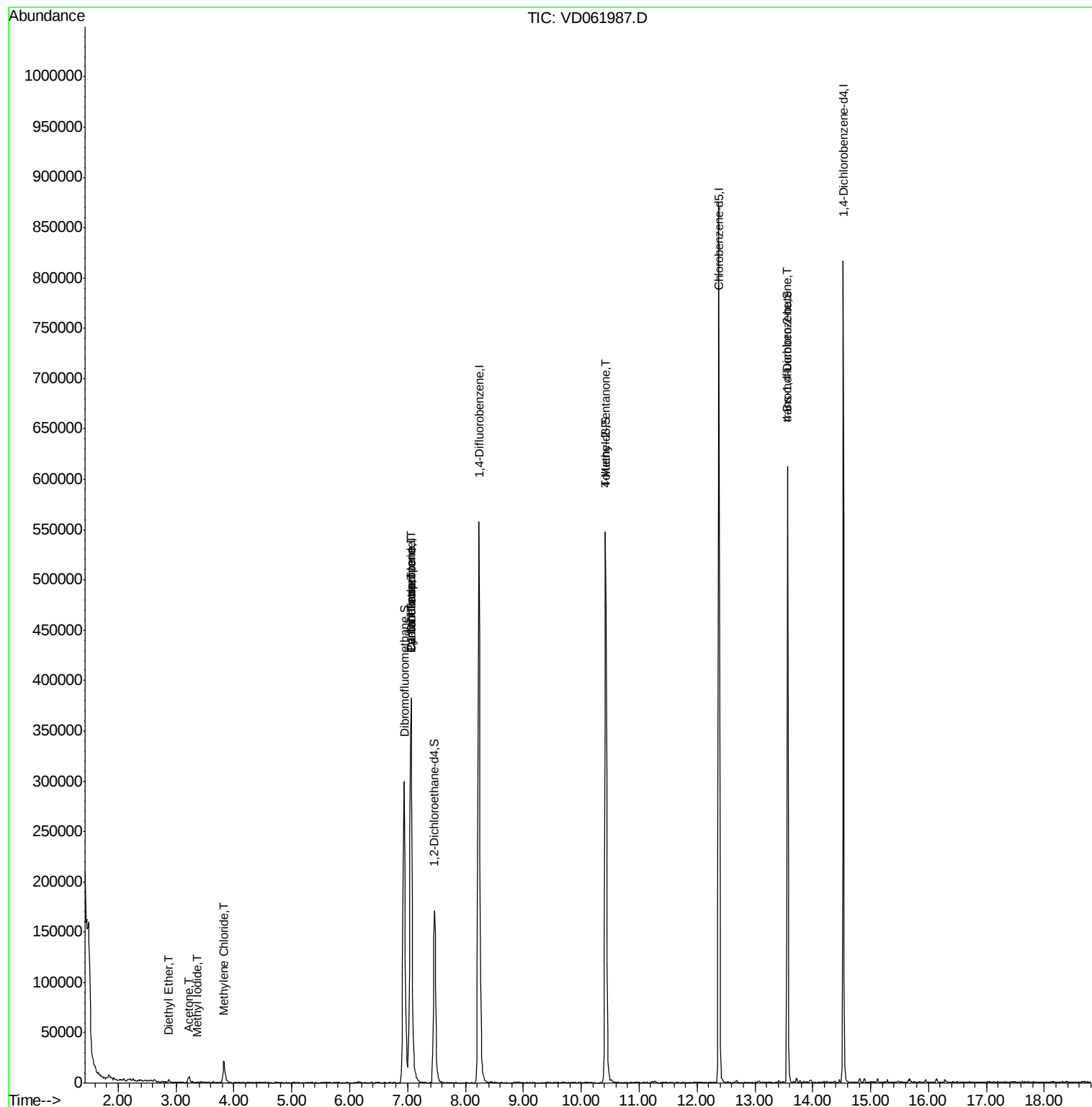
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	387853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	677916	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	536650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	190041	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	180377	59.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.84%	
35) Dibromofluoromethane	6.93	113	286840	61.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.36%	
50) Toluene-d8	10.42	98	479429	42.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.94%	
62) 4-Bromofluorobenzene	13.56	95	207925	46.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.94%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.88	74	1321	1.222	ug/l	88
10) Methyl Iodide	3.37	142	203	5.460	ug/l #	37
16) Acetone	3.22	43	11905	16.425	ug/l	92
18) Methyl Acetate	3.65	43	575	Below Cal	#	53
20) Methylene Chloride	3.82	84	16154	1.484	ug/l	92
31) Cyclohexane	7.05	56	6494	1.436	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	28185	5.336	ug/l #	45
38) Carbon Tetrachloride	7.06	117	38090	5.691	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	2042	1.015	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	80330	109.845	ug/l #	16

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD061987.D

Acq: 24 Apr 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

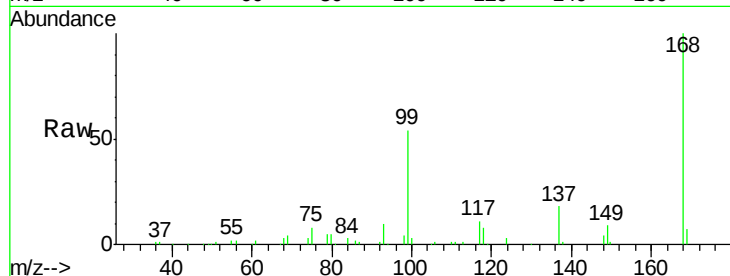
TR-05-042219

Tot Ion:168 Resp: 387853

Ion Ratio Lower Upper

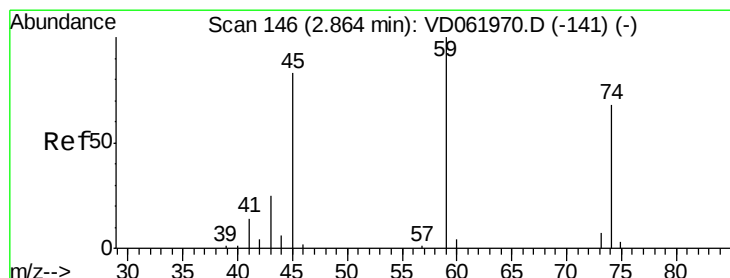
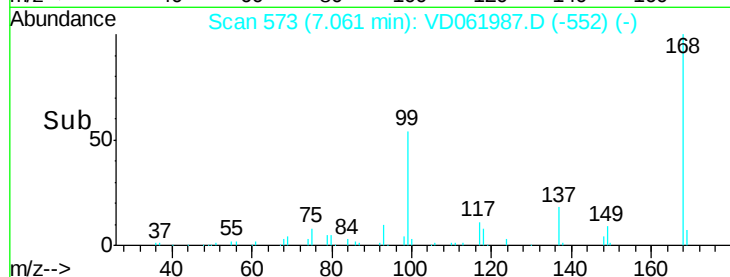
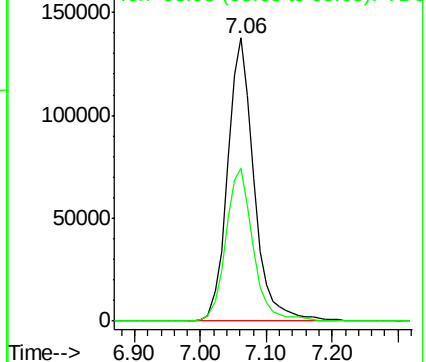
168 100

99 53.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.222 ug/l

RT: 2.88 min Scan# 148

Delta R.T. -0.00 min

Lab File: VD061987.D

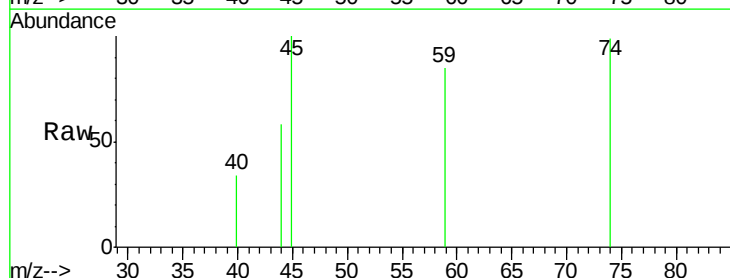
Acq: 24 Apr 2019 2:28

Tgt Ion: 74 Resp: 1321

Ion Ratio Lower Upper

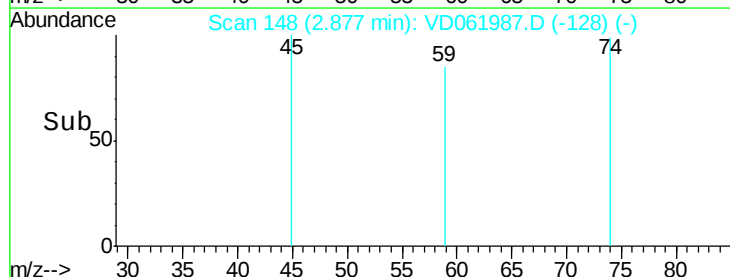
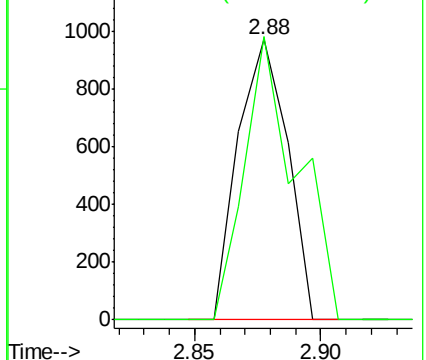
74 100

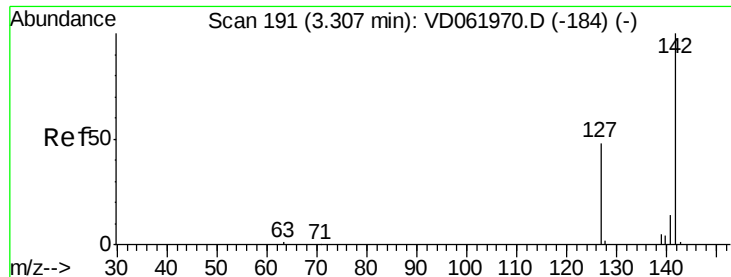
45 100.8 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

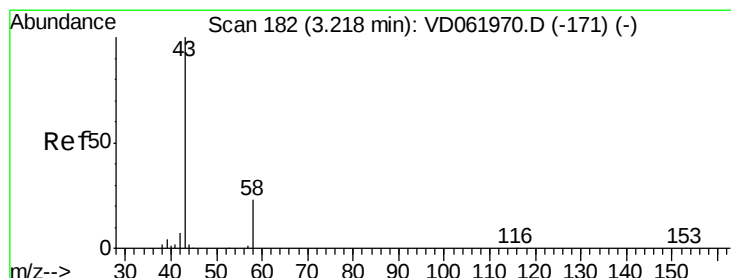
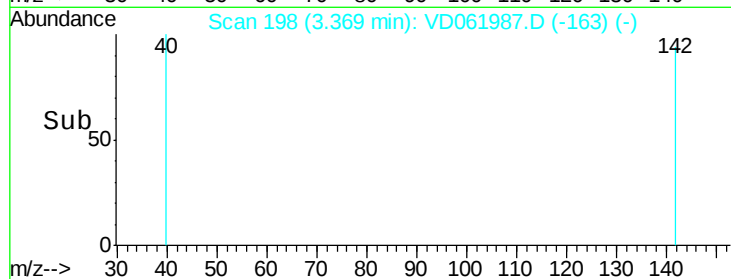
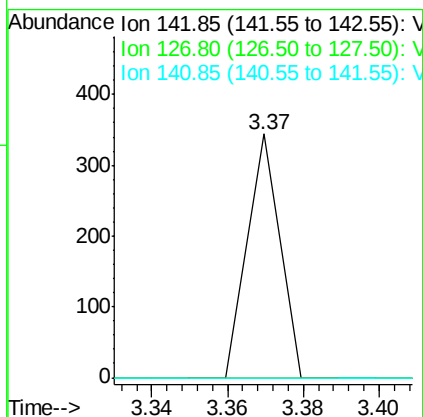
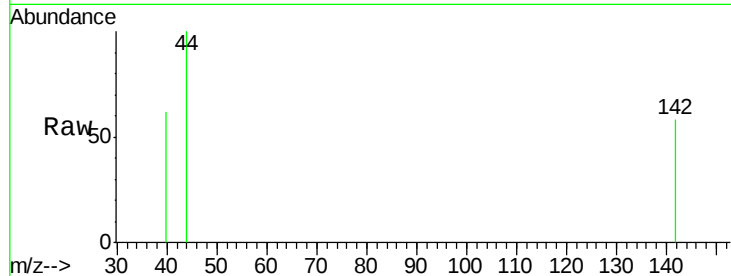




#10
Methvl Iodide
Concen: 5.460 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.05 min
Lab File: VD061987.D
Acq: 24 Apr 2019 2:28

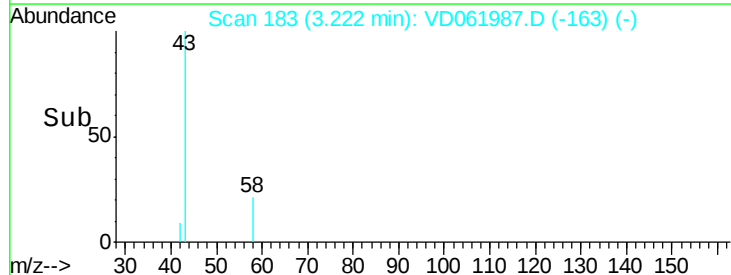
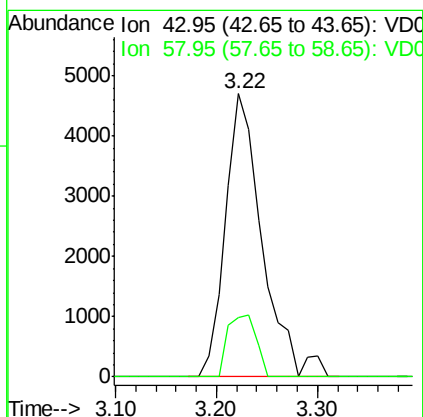
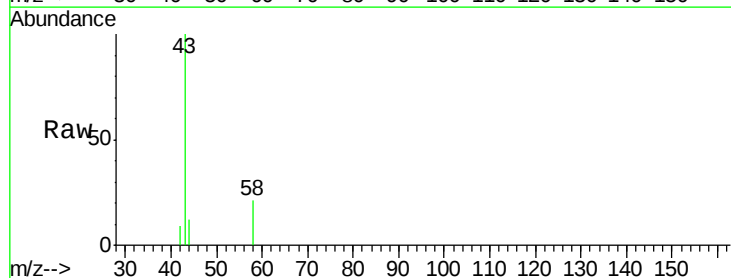
Instrument :
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TR-05-042219

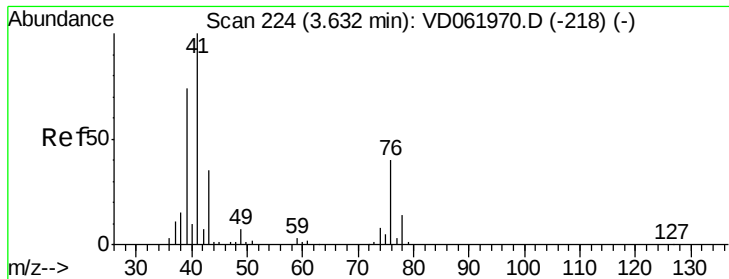
Tot Ion:142 Resp: 203
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 16.425 ug/l
RT: 3.22 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD061987.D
Acq: 24 Apr 2019 2:28

Tgt Ion: 43 Resp: 11905
Ion Ratio Lower Upper
43 100
58 20.8 19.9 29.9

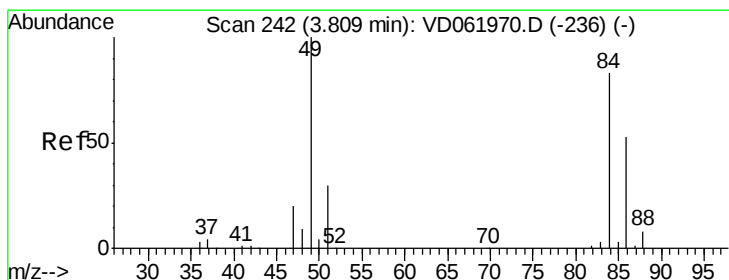
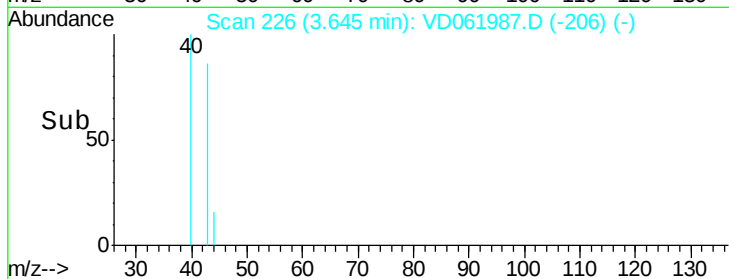
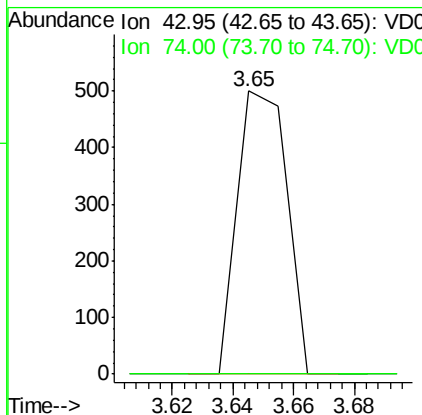
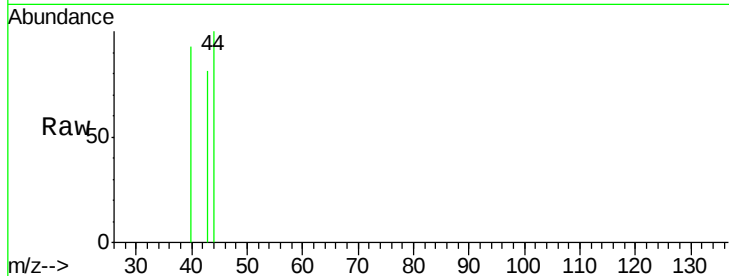




#18
Methvl Acetate
Concen: Below Cal
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD061987.D
Acq: 24 Apr 2019 2:28

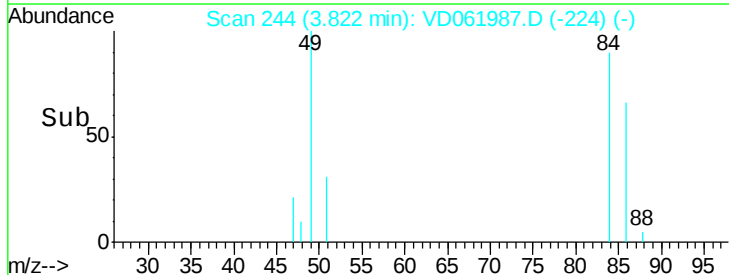
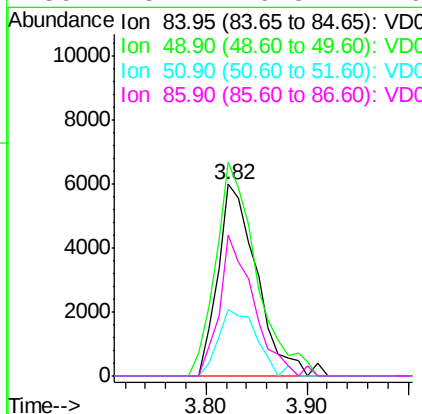
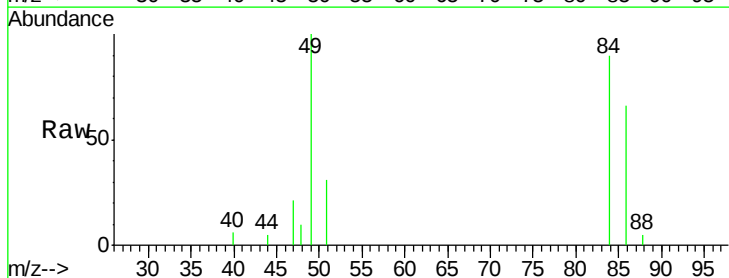
Instrument :
MSVOA_D
ClientSampleId :
TR-05-042219

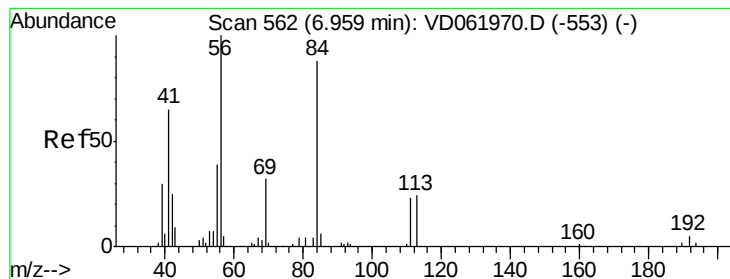
Tot Ion: 43 Resp: 575
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 1.484 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD061987.D
Acq: 24 Apr 2019 2:28

Tgt Ion: 84 Resp: 16154
Ion Ratio Lower Upper
84 100
49 111.4 94.0 141.0
51 34.8 29.0 43.4
86 73.4 49.8 74.6





#31

Cvclohexane

Concen: 1.436 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.09 min

Lab File: VD061987.D

Acq: 24 Apr 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

TR-05-042219

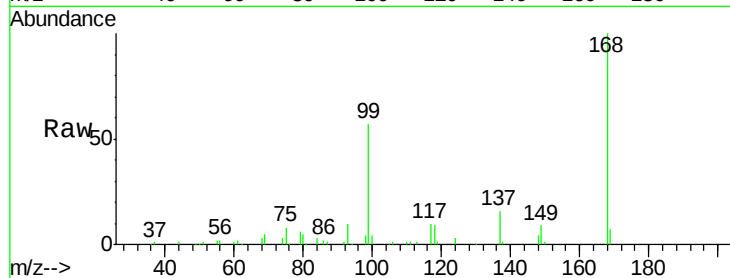
Tot Ion: 56 Resp: 6494

Ion Ratio Lower Upper

56 100

69 256.6 25.8 38.6#

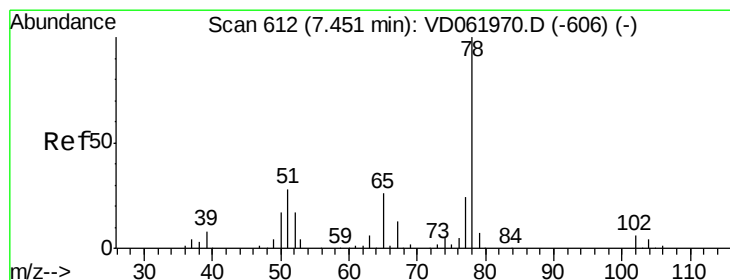
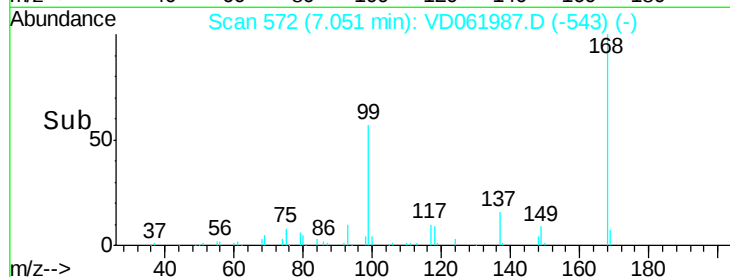
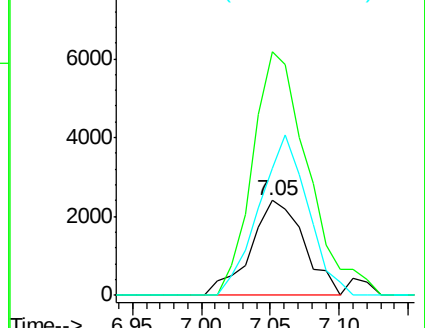
84 134.6 72.2 108.4#



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# 614

Delta R.T. 0.01 min

Lab File: VD061987.D

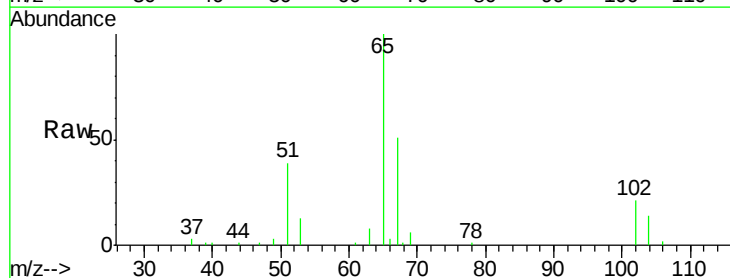
Acq: 24 Apr 2019 2:28

Tgt Ion: 65 Resp: 180377

Ion Ratio Lower Upper

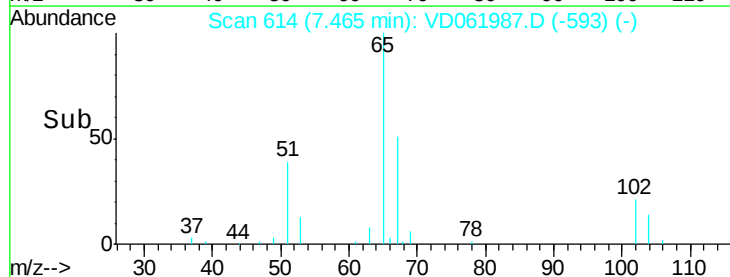
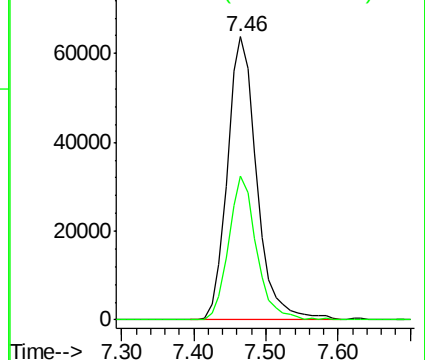
65 100

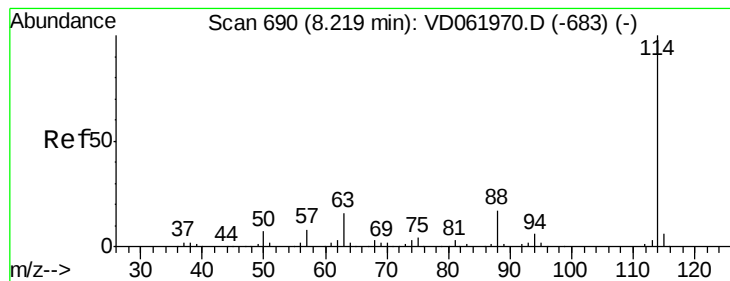
67 50.7 0.0 98.0



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: 8.23 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD061987.D

Acq: 24 Apr 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

TR-05-042219

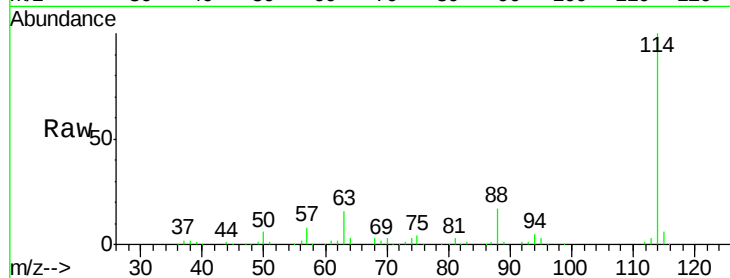
Tot Ion:114 Resp: 677916

Ion Ratio Lower Upper

114 100

63 16.0 0.0 32.4

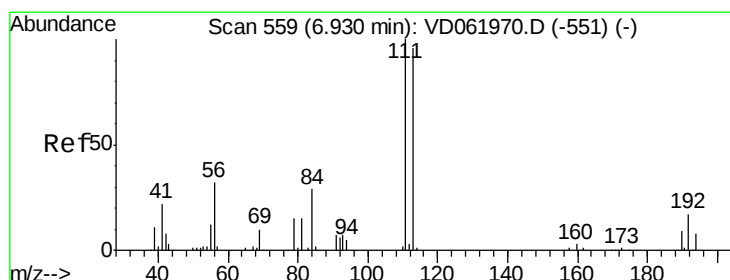
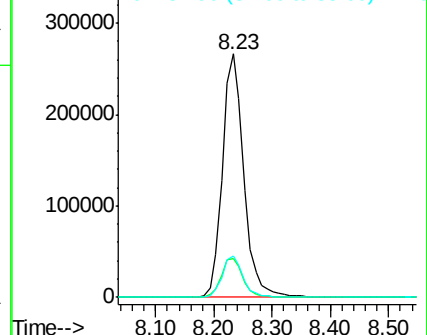
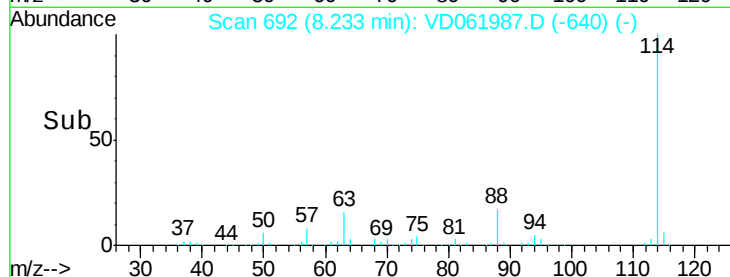
88 16.8 0.0 33.6



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: 6.93 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD061987.D

Acq: 24 Apr 2019 2:28

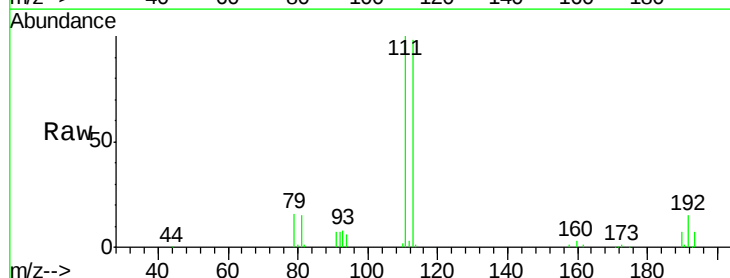
Tgt Ion:113 Resp: 286840

Ion Ratio Lower Upper

113 100

111 101.9 78.5 117.7

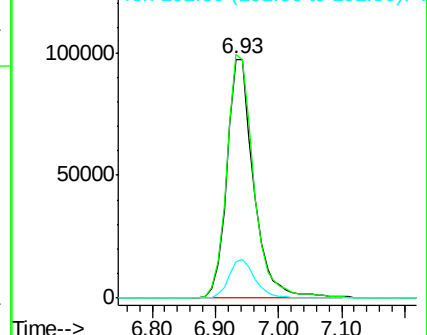
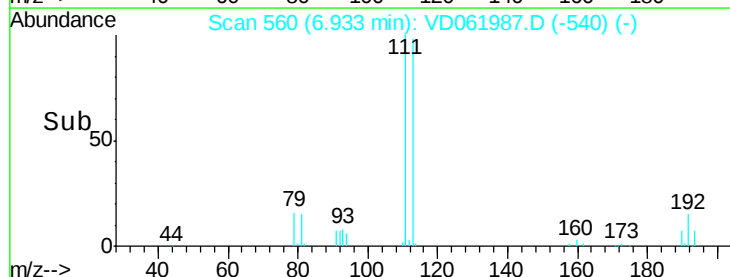
192 15.3 13.0 19.4

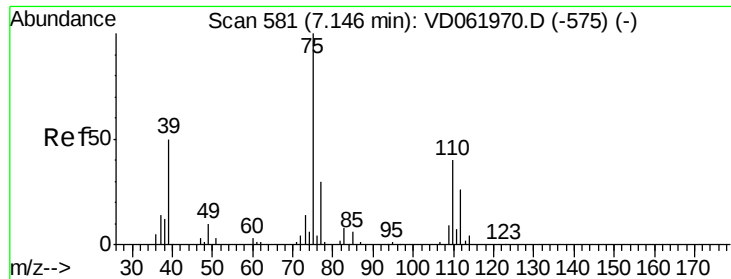


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

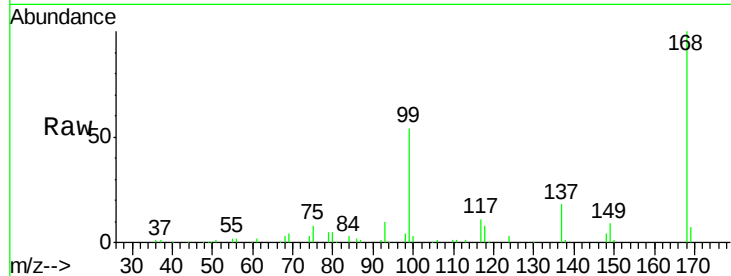




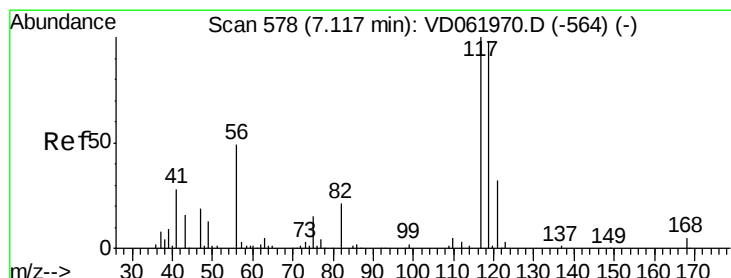
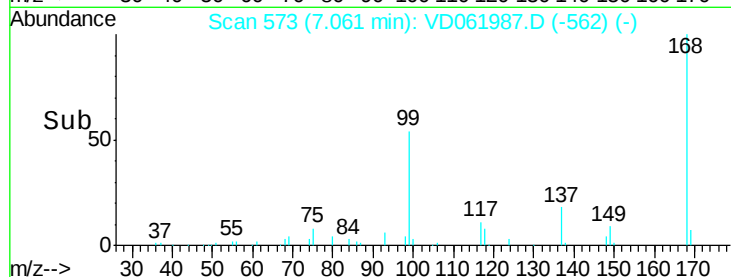
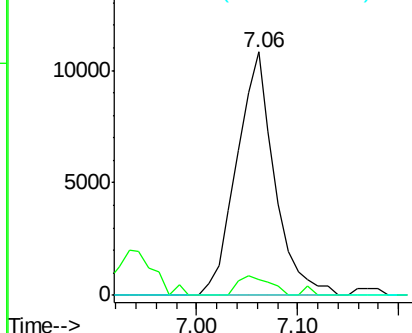
#36
 1,1-Dichloropropene
 Concen: 5.336 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.09 min
 Lab File: VD061987.D
 Acq: 24 Apr 2019 2:28

Instrument :
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Tot Ion	Ratio	Lower	Upper
75	100		
110	6.5	19.1	57.1#
77	0.0	25.6	38.4#

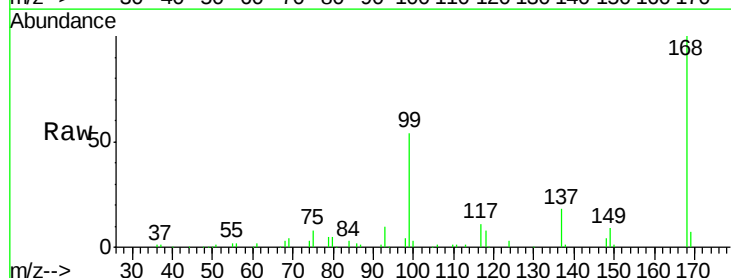


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

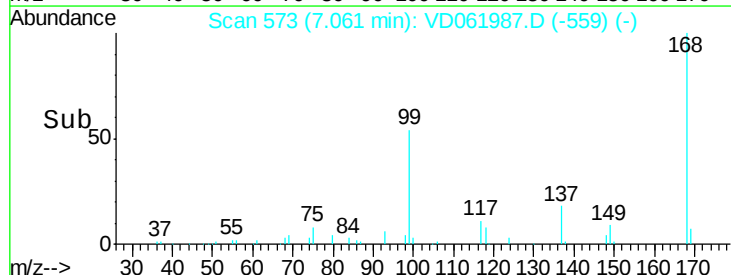
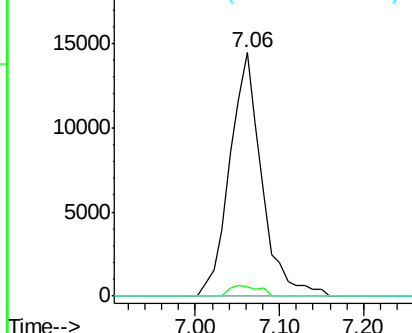


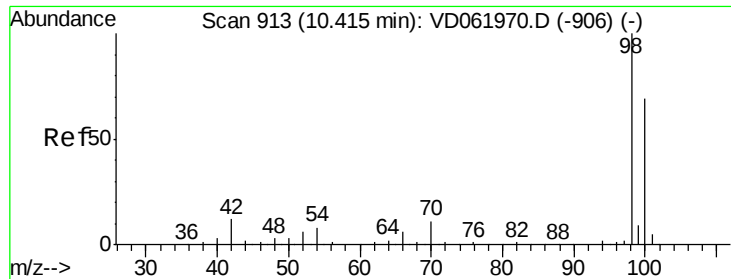
#38
 Carbon Tetrachloride
 Concen: 5.691 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.06 min
 Lab File: VD061987.D
 Acq: 24 Apr 2019 2:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	75.8	113.8#
121	0.0	25.9	38.9#



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. -0.00 min

Lab File: VD061987.D

Acq: 24 Apr 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

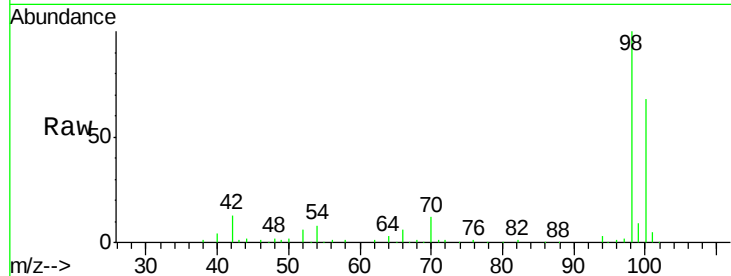
TR-05-042219

Tot Ion: 98 Resp: 479429

Ion Ratio Lower Upper

98 100

100 67.8 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) (-)

10.42

200000

150000

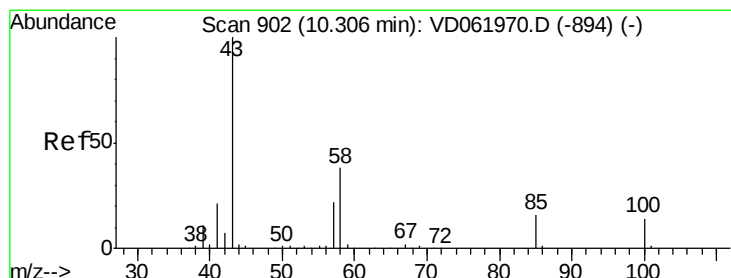
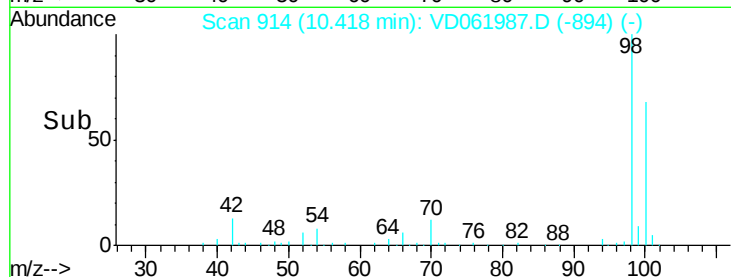
100000

50000

0

Time-->

10.30 10.40 10.50 10.60



#51

4-Methyl-2-Pentanone

Concen: 1.015 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.12 min

Lab File: VD061987.D

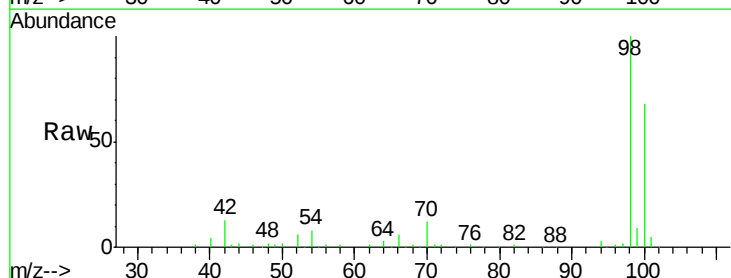
Acq: 24 Apr 2019 2:28

Tgt Ion: 43 Resp: 2042

Ion Ratio Lower Upper

43 100

58 108.9 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) (-)

10.42

2000

1500

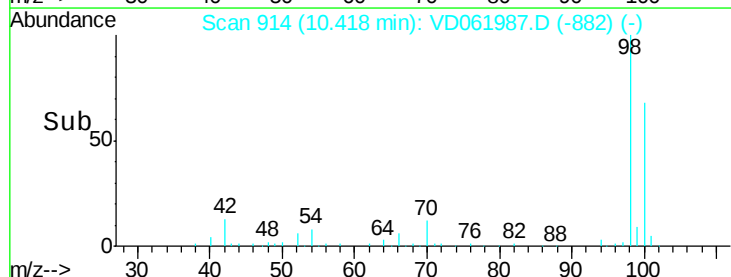
1000

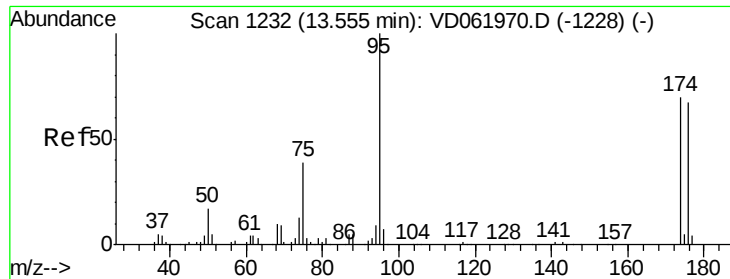
500

0

Time-->

10.35 10.40 10.45





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD061987.D

Acq: 24 Apr 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

TR-05-042219

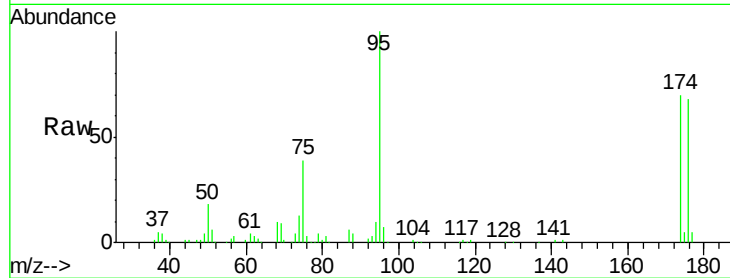
Tot Ion: 95 Resp: 207925

Ion Ratio Lower Upper

95 100

174 69.9 0.0 181.8

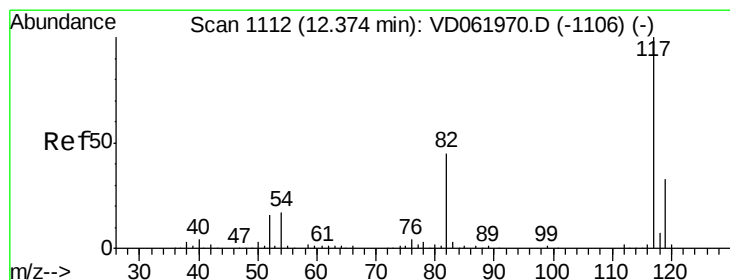
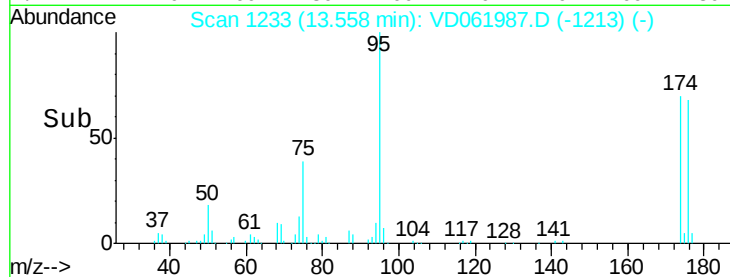
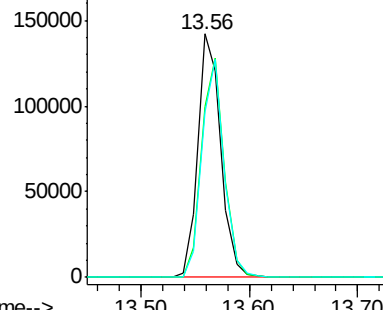
176 67.9 0.0 174.4



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: 12.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD061987.D

Acq: 24 Apr 2019 2:28

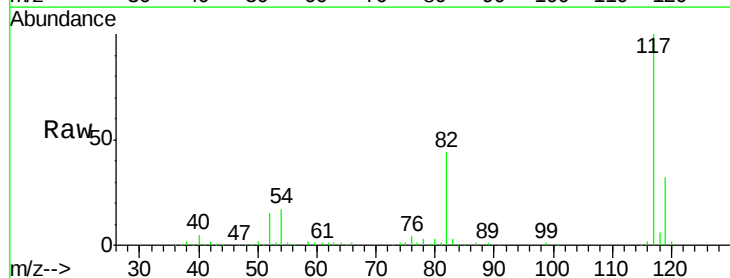
Tgt Ion: 117 Resp: 536650

Ion Ratio Lower Upper

117 100

82 44.3 36.2 54.2

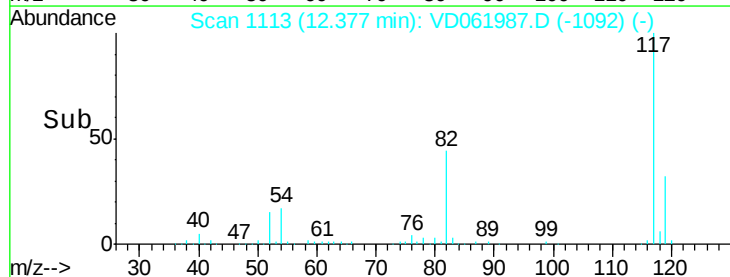
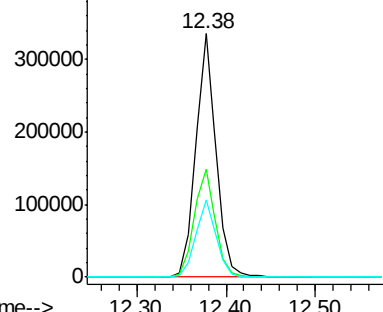
119 31.6 26.2 39.4

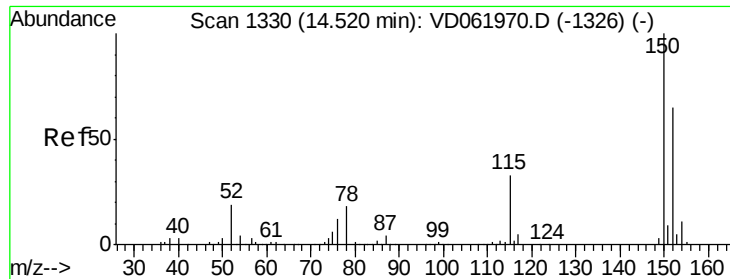


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD061987.D

Acq: 24 Apr 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

TR-05-042219

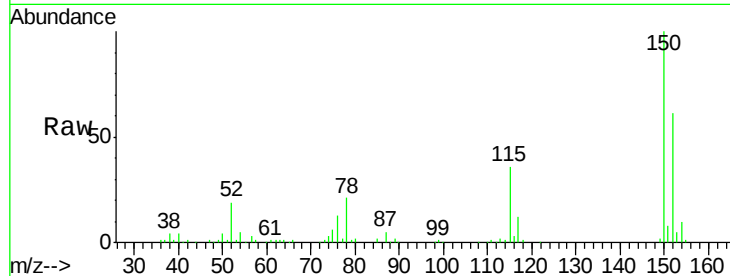
Tot Ion:152 Resp: 190041

Ion Ratio Lower Upper

152 100

115 59.6 30.9 92.7

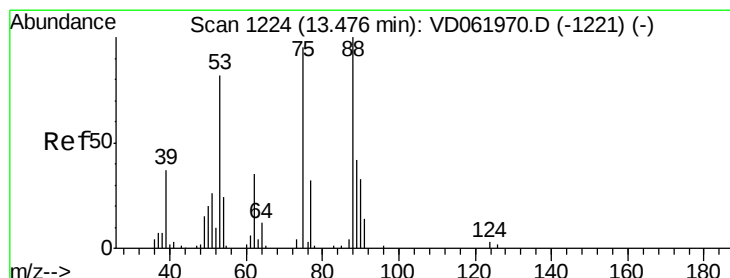
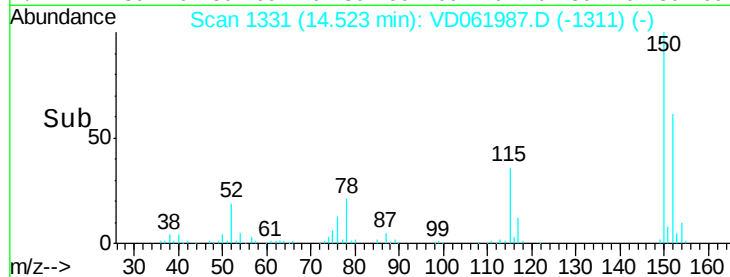
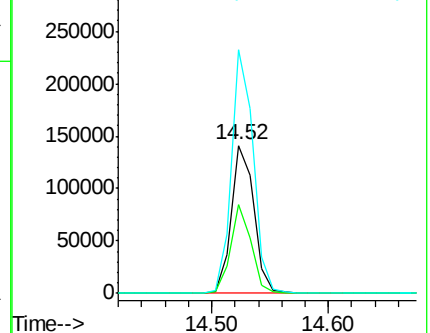
150 164.4 0.0 314.8



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: 109.845 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD061987.D

Acq: 24 Apr 2019 2:28

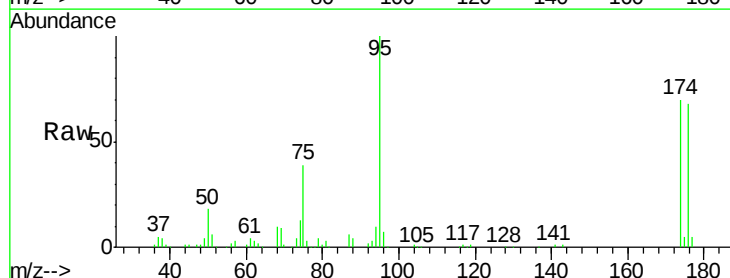
Tgt Ion: 75 Resp: 80330

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

