

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062811.D
 Acq On : 21 Jun 2019 12:53
 Operator : VA/AP
 Sample : K3159-07RE
 Misc : 6.08g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-061919-B

Quant Time: Jun 22 04:12:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

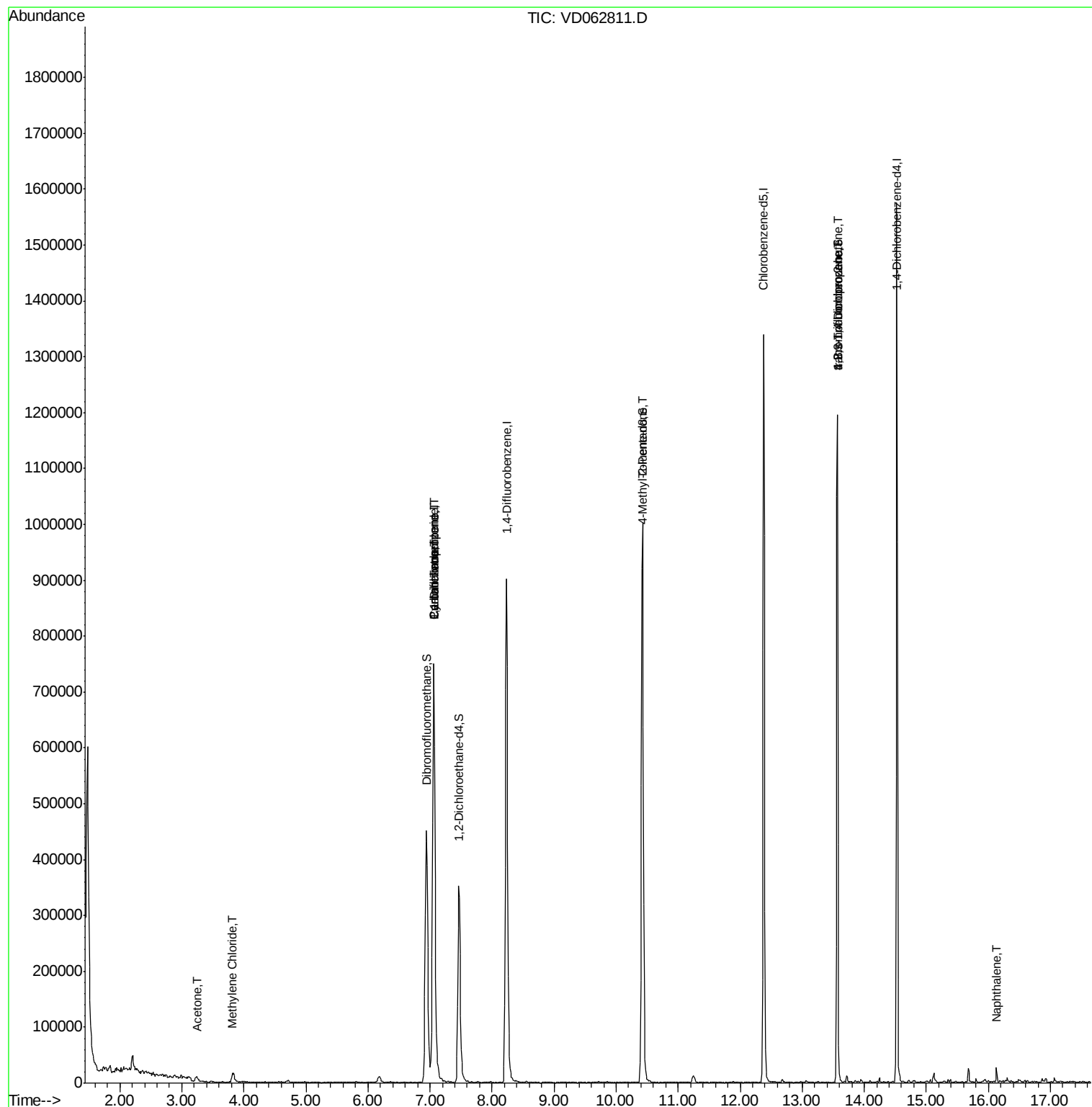
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	718664	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	913144	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	691791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	322326	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	419079	53.65	ug/l	0.01
Spiked Amount 50.000			Recovery	=	107.30%	
35) Dibromofluoromethane	6.94	113	421358	54.72	ug/l	0.01
Spiked Amount 50.000			Recovery	=	109.44%	
50) Toluene-d8	10.43	98	796146	47.51	ug/l	0.01
Spiked Amount 50.000			Recovery	=	95.02%	
62) 4-Bromofluorobenzene	13.57	95	343609	45.09	ug/l	0.01
Spiked Amount 50.000			Recovery	=	90.18%	
Target Compounds						
					Qvalue	
16) Acetone	3.24	43	18762	4.987	ug/l #	83
20) Methylene Chloride	3.81	84	9823	1.649	ug/l	96
31) Cyclohexane	7.07	56	17039	2.323	ug/l #	23
36) 1,1-Dichloropropene	7.05	75	54713	6.329	ug/l #	53
37) Ethyl Acetate	6.16	43	422	Below Cal	#	69
38) Carbon Tetrachloride	7.06	117	70243	5.403	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	5572	1.734	ug/l	93
76) 1,2,3-Trichloropropane	13.56	75	149901	40.285	ug/l #	47
81) trans-1,4-Dichloro-2-buten	13.56	75	166319	170.545	ug/l #	2
95) Naphthalene	16.13	128	15145	1.622	ug/l #	88

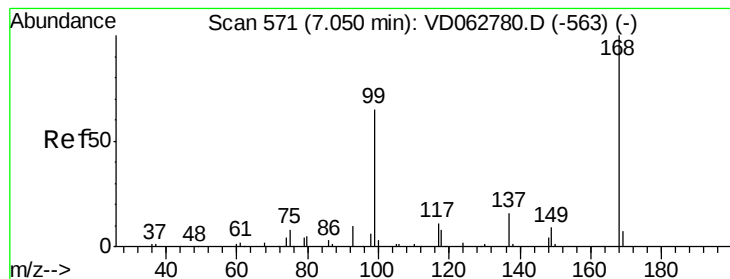
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062811.D

Acq: 21 Jun 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

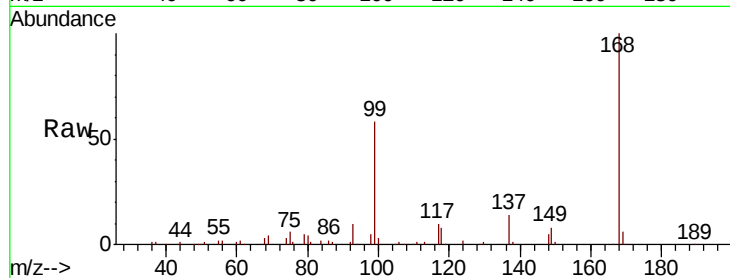
OR-02-061919-B

Tot Ion:168 Resp: 718664

Ion Ratio Lower Upper

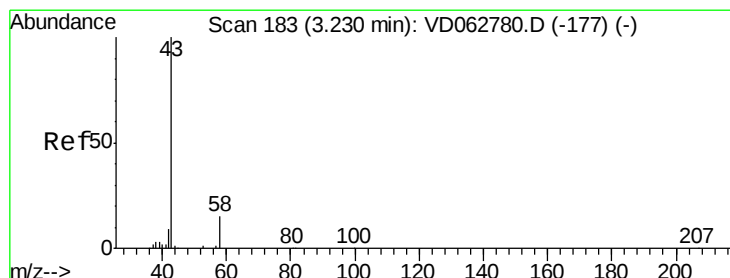
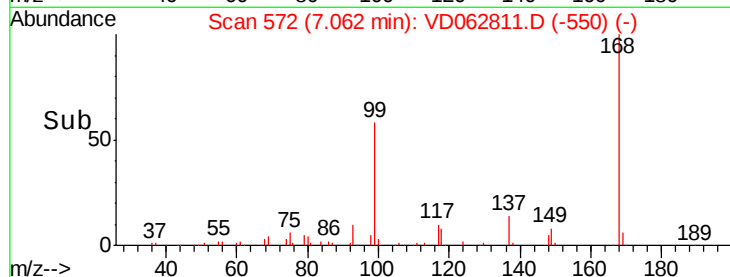
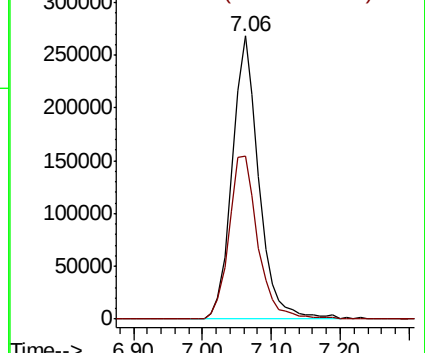
168 100

99 57.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 4.987 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062811.D

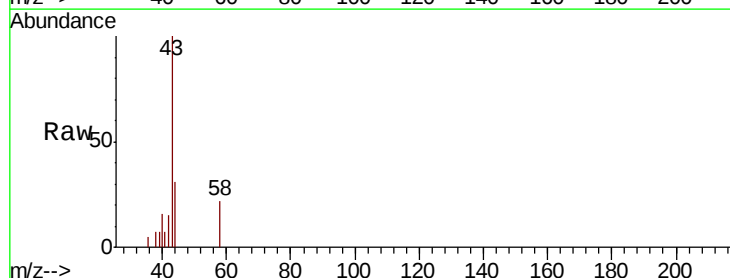
Acq: 21 Jun 2019 12:53

Tgt Ion: 43 Resp: 18762

Ion Ratio Lower Upper

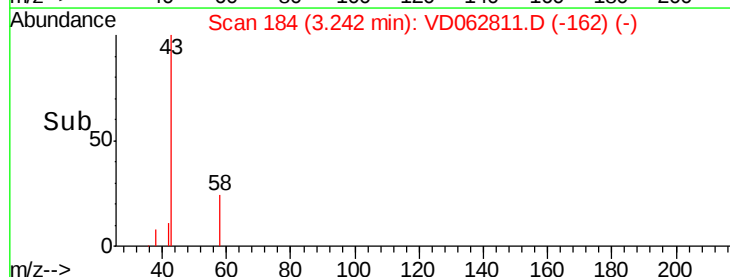
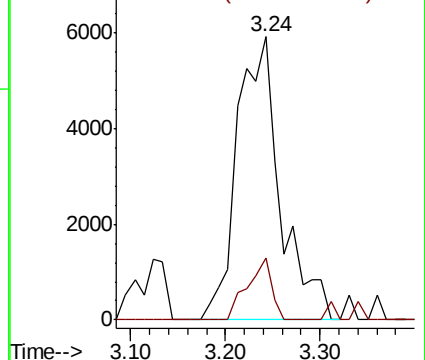
43 100

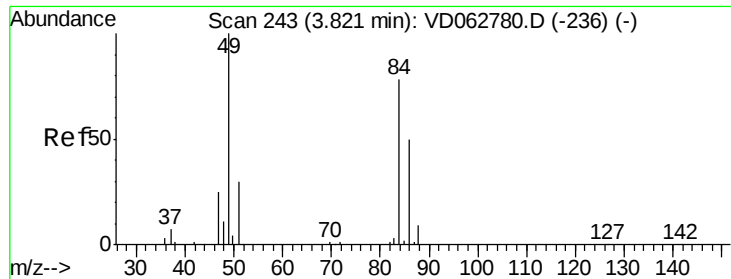
58 22.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

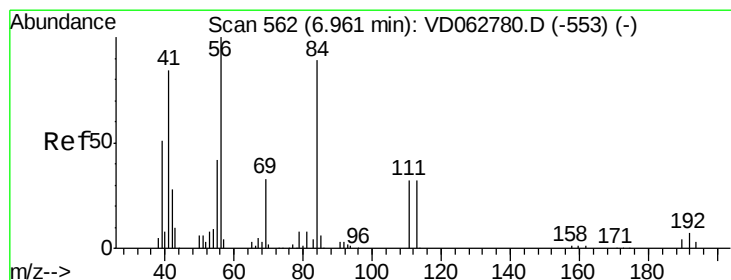
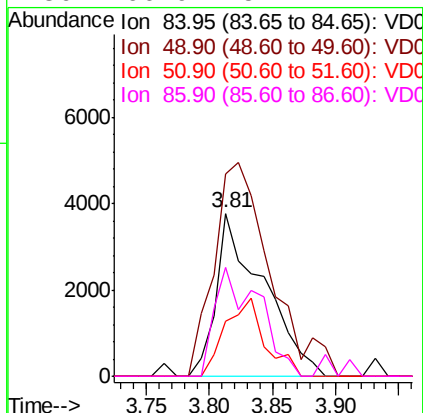
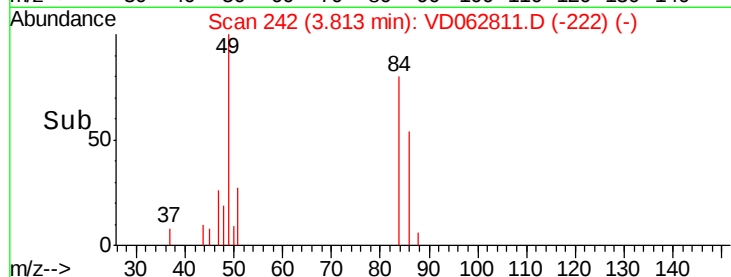
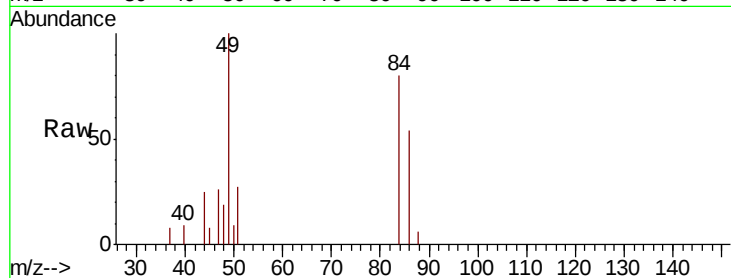




#20
Methvlene Chloride
Concen: 1.649 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062811.D
Acq: 21 Jun 2019 12:53

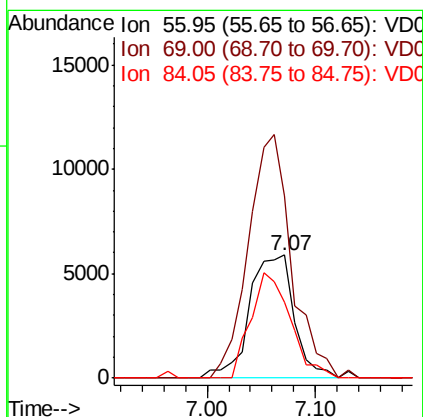
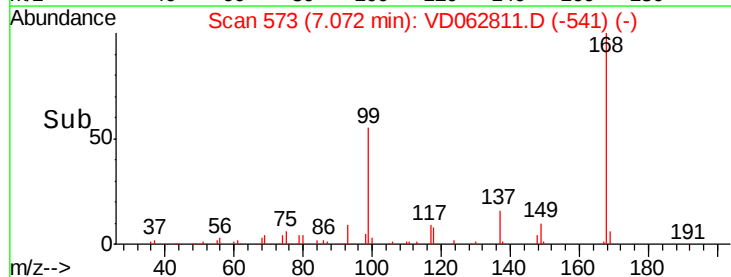
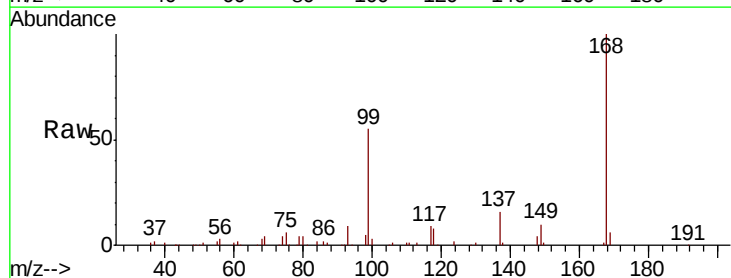
Instrument :
MSVOA_D
ClientSampleId :
OR-02-061919-B

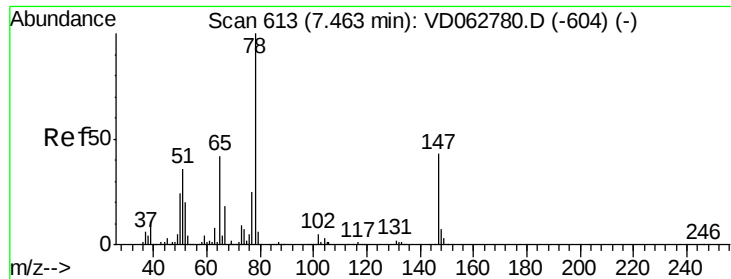
Tot Ion: 84 Resp: 9823
Ion Ratio Lower Upper
84 100
49 124.5 102.9 154.3
51 33.6 31.2 46.8
86 66.9 51.4 77.2



#31
Cyclohexane
Concen: 2.323 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.11 min
Lab File: VD062811.D
Acq: 21 Jun 2019 12:53

Tgt Ion: 56 Resp: 17039
Ion Ratio Lower Upper
56 100
69 148.1 26.6 39.8#
84 62.1 75.5 113.3#





#33

1,2-Dichloroethane-d4

Concen: 53.647 ug/l

RT: 7.48 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD062811.D

Acq: 21 Jun 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

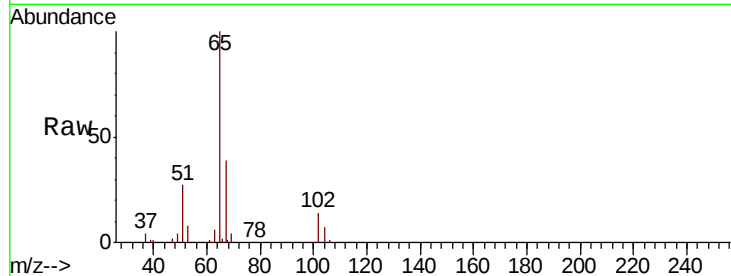
OR-02-061919-B

Tot Ion: 65 Resp: 419079

Ion Ratio Lower Upper

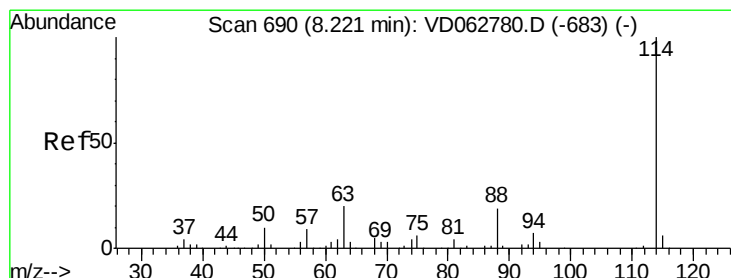
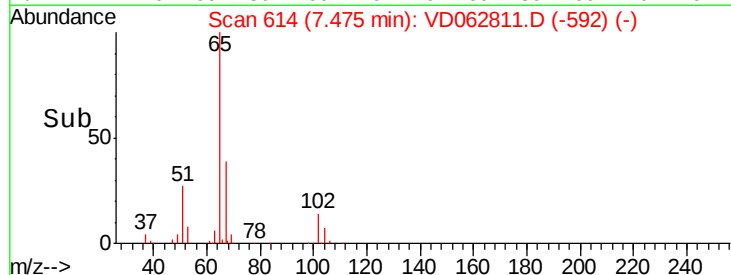
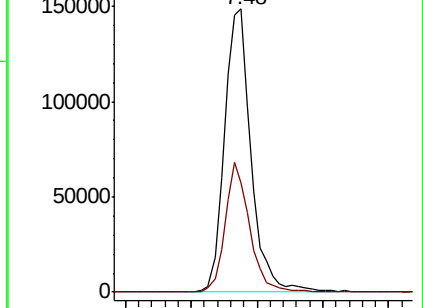
65 100

67 38.6 0.0 87.4



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. 0.01 min

Lab File: VD062811.D

Acq: 21 Jun 2019 12:53

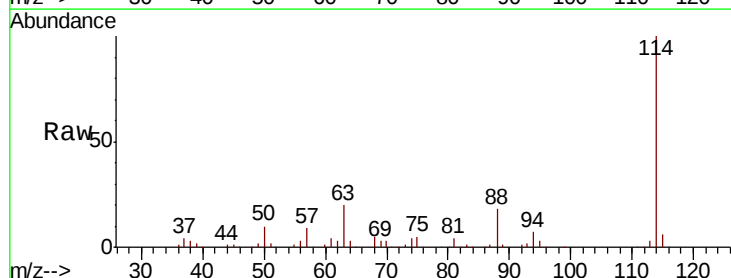
Tgt Ion: 114 Resp: 913144

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

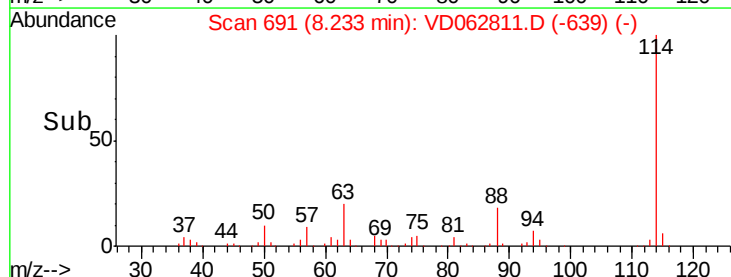
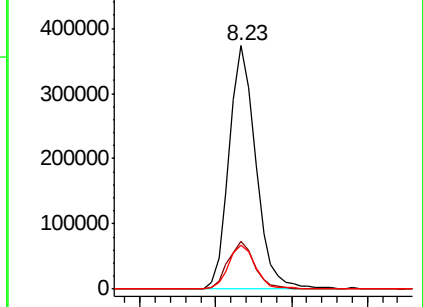
88 18.0 0.0 38.8

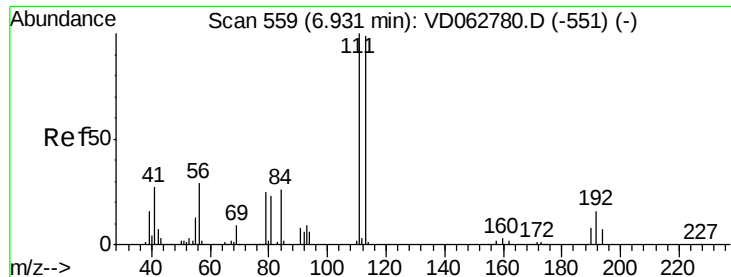


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

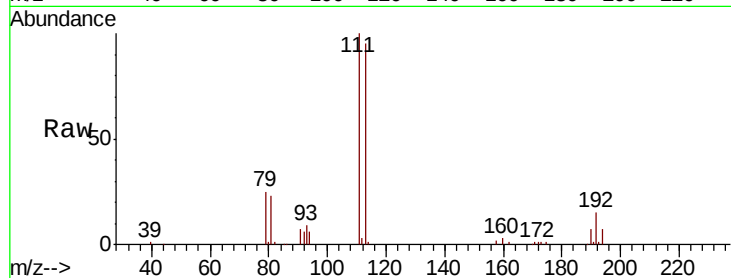




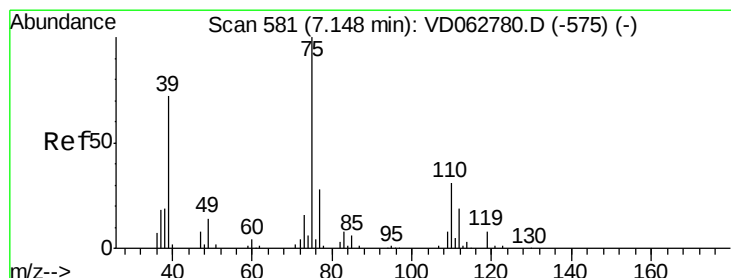
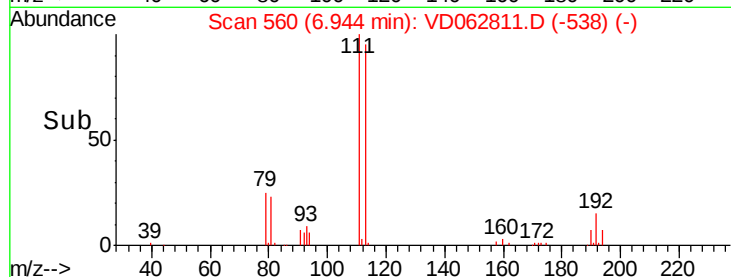
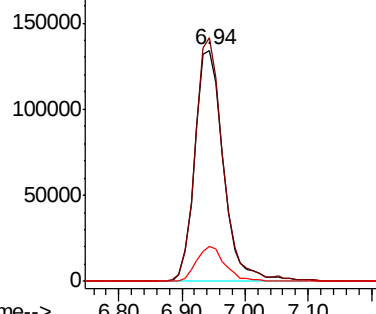
#35
Dibromofluoromethane
Concen: 54.725 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD062811.D
Acq: 21 Jun 2019 12:53

Instrument :
MSVOA_D
ClientSampleId :
OR-02-061919-B

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.4	81.2	121.8
192	15.3	12.9	19.3

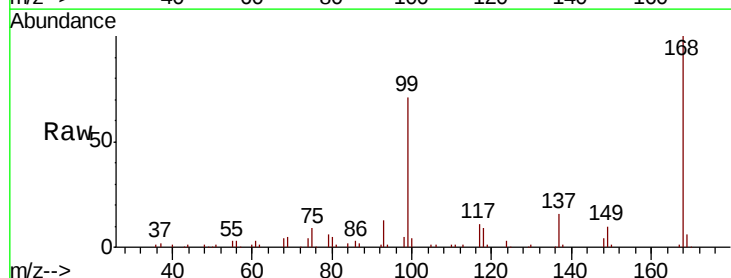


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

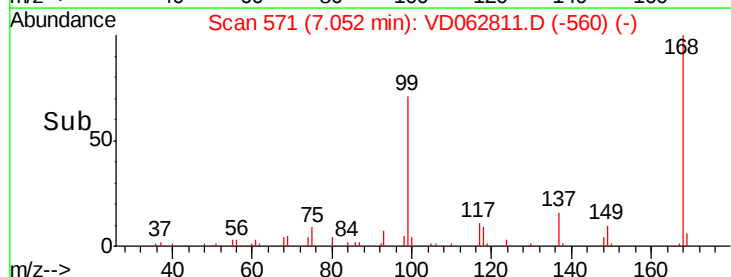
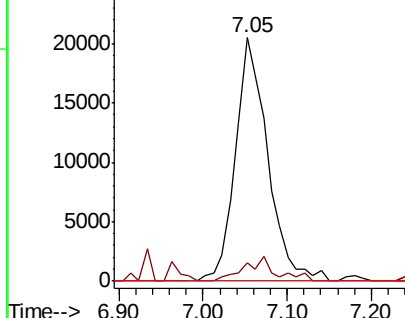


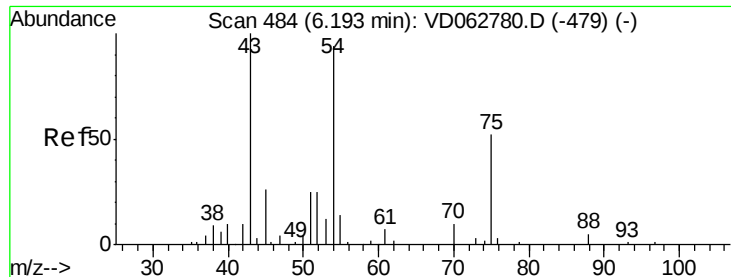
#36
1,1-Dichloropropene
Concen: 6.329 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.10 min
Lab File: VD062811.D
Acq: 21 Jun 2019 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	15.0	45.1#
77	0.0	22.2	33.2#



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

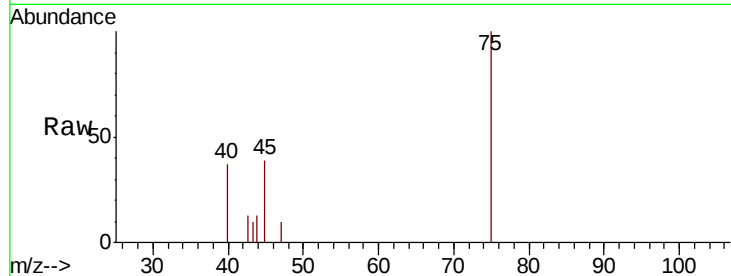




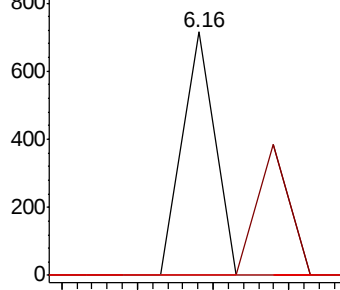
#37
Ethyl Acetate
Concen: Below Cal
RT: 6.16 min Scan# 480
Delta R.T. -0.04 min
Lab File: VD062811.D
Acq: 21 Jun 2019 12:53

Instrument :
MSVOA_D
ClientSampleId :
OR-02-061919-B

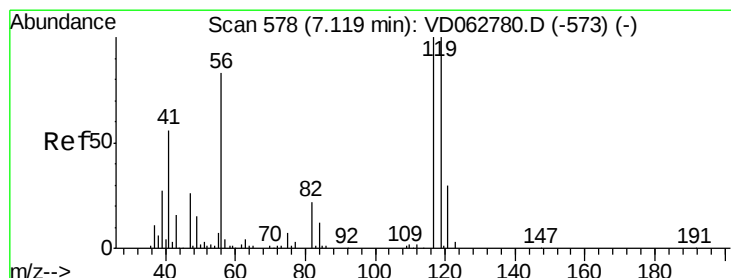
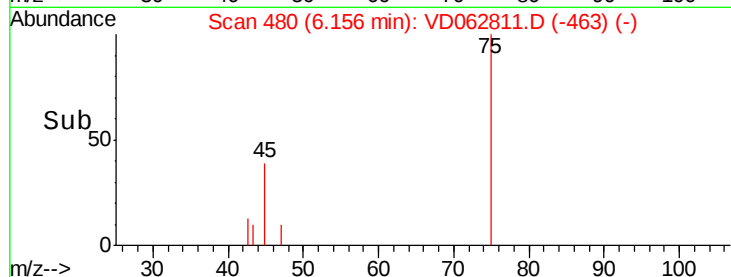
Tot Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 6.4 9.6#



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

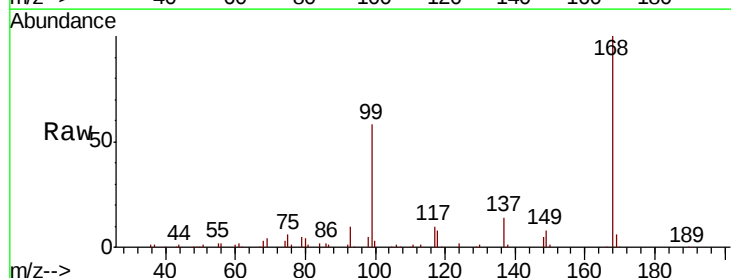


Time--> 6.12 6.14 6.16 6.18

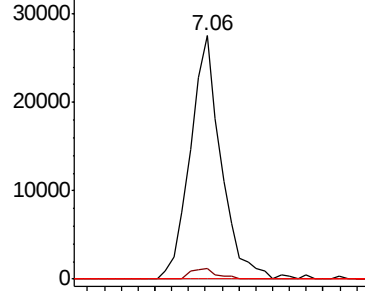


#38
Carbon Tetrachloride
Concen: 5.403 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.06 min
Lab File: VD062811.D
Acq: 21 Jun 2019 12:53

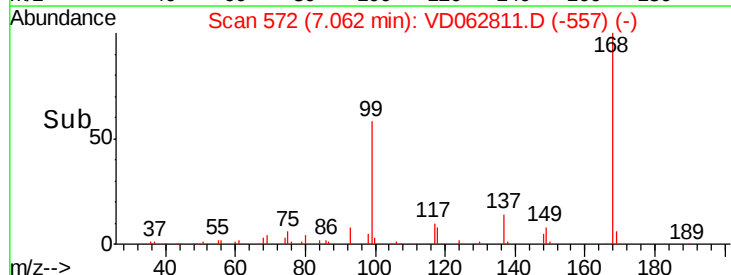
Tgt Ion: 117 Resp: 70243
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.2#
121 0.0 22.3 33.5#

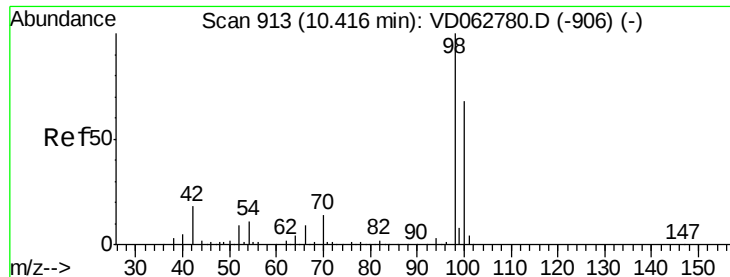


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V



Time--> 7.00 7.10 7.20





#50

Toluene-d8

Concen: 47.509 ug/l

RT: 10.43 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD062811.D

Acq: 21 Jun 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

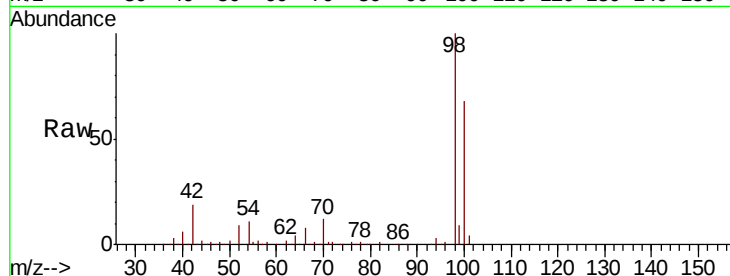
OR-02-061919-B

Tot Ion: 98 Resp: 796146

Ion Ratio Lower Upper

98 100

100 68.2 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.43

400000

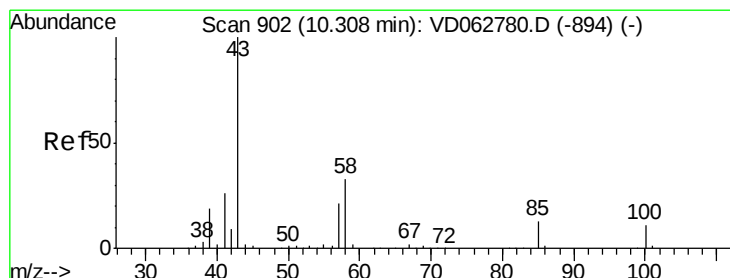
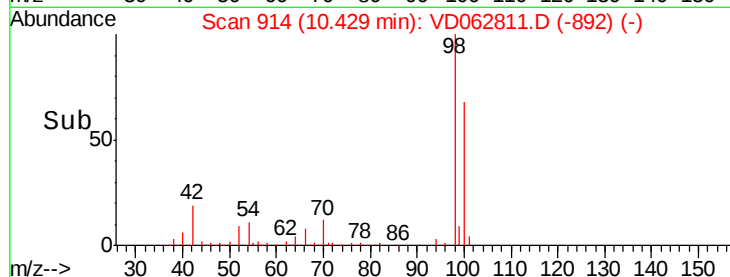
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.734 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.10 min

Lab File: VD062811.D

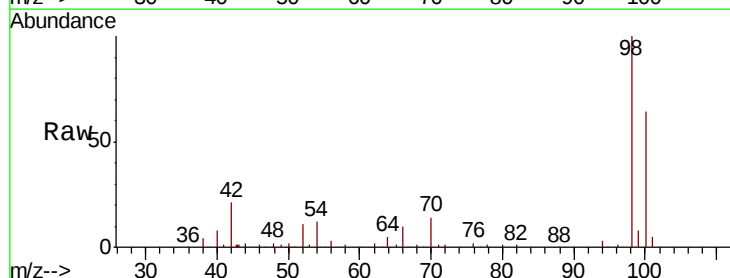
Acq: 21 Jun 2019 12:53

Tgt Ion: 43 Resp: 5572

Ion Ratio Lower Upper

43 100

58 29.1 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.41

4000

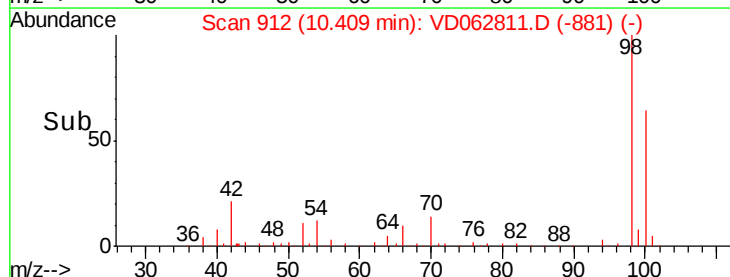
3000

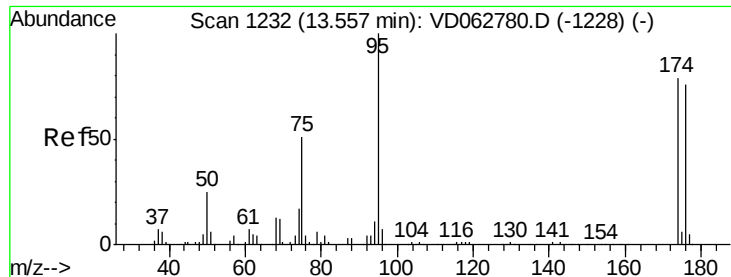
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 45.094 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062811.D

Acq: 21 Jun 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

OR-02-061919-B

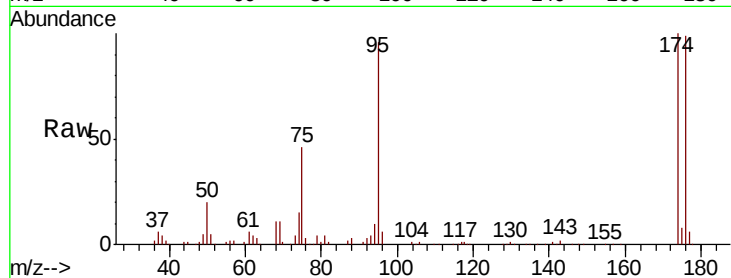
Tot Ion: 95 Resp: 343609

Ion Ratio Lower Upper

95 100

174 104.3 0.0 158.0

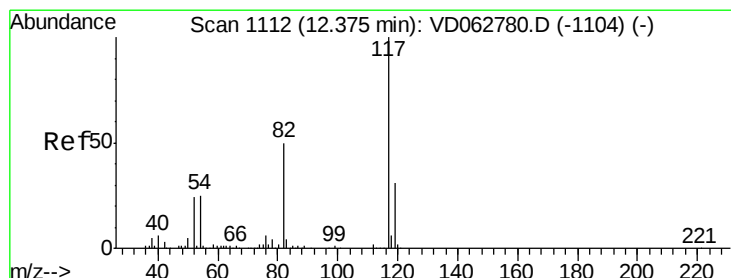
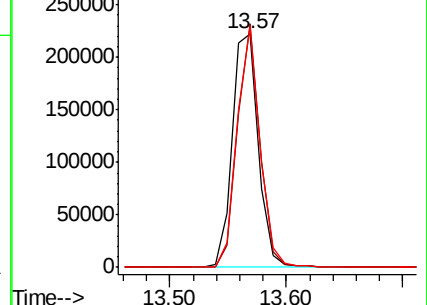
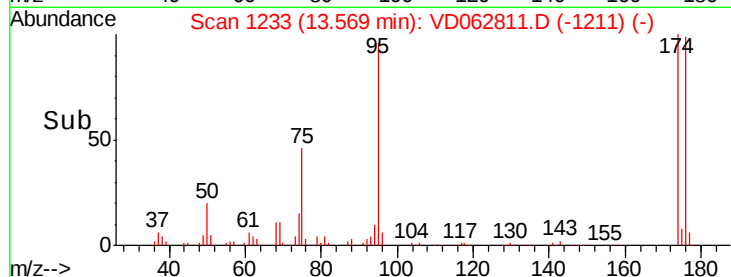
176 103.2 0.0 151.6



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# 1112

Delta R.T. 0.00 min

Lab File: VD062811.D

Acq: 21 Jun 2019 12:53

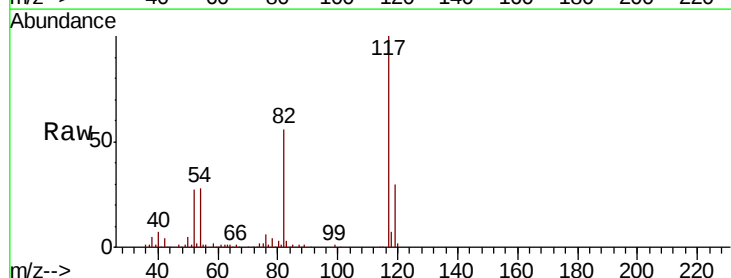
Tgt Ion: 117 Resp: 691791

Ion Ratio Lower Upper

117 100

82 55.7 40.4 60.6

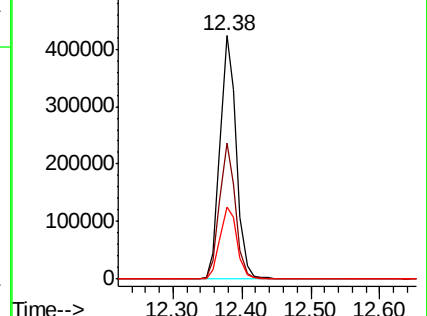
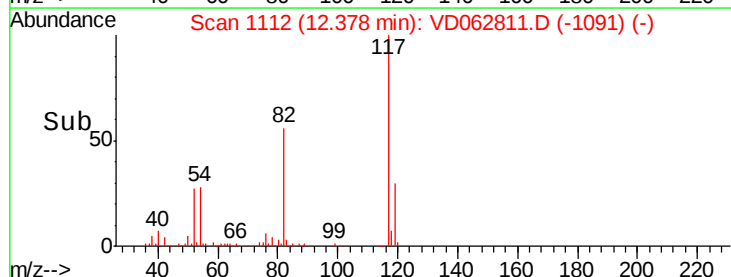
119 29.7 25.2 37.8

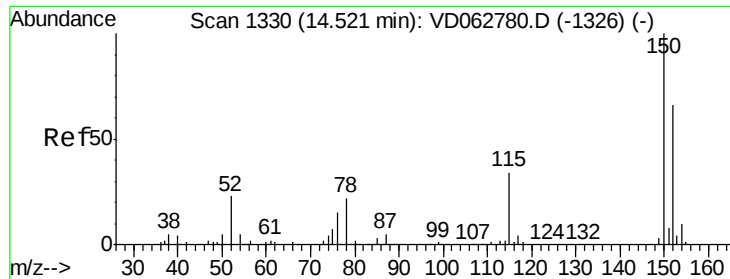


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1330

Delta R.T. 0.00 min

Lab File: VD062811.D

Acq: 21 Jun 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

OR-02-061919-B

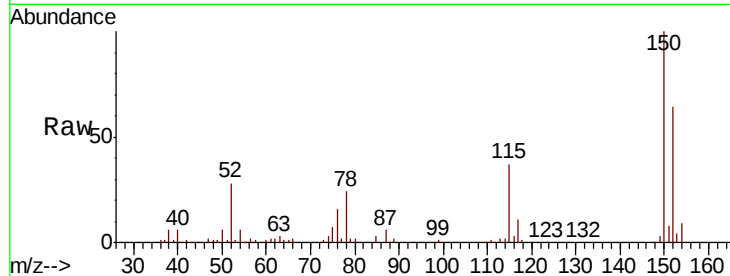
Tot Ion:152 Resp: 322326

Ion Ratio Lower Upper

152 100

115 57.9 29.2 87.6

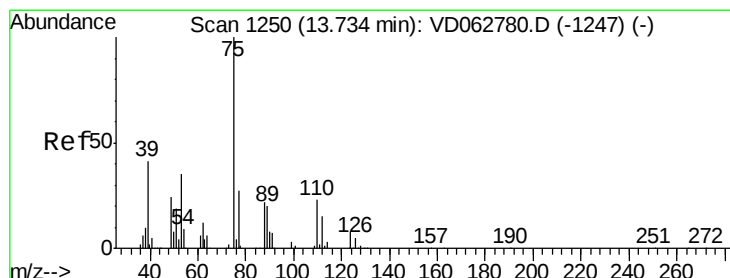
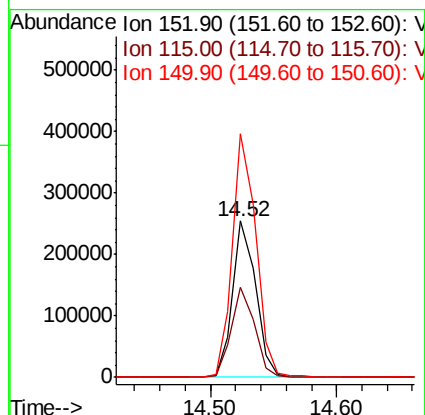
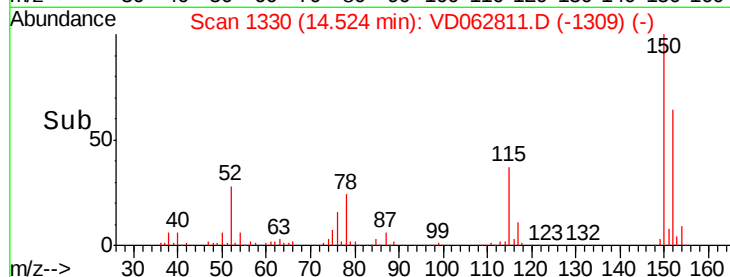
150 155.8 0.0 305.8



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



#76

1,2,3-Trichloropropane

Concen: 40.285 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD062811.D

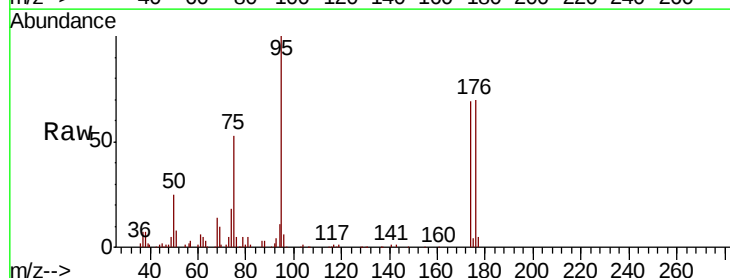
Acq: 21 Jun 2019 12:53

Tgt Ion: 75 Resp: 149901

Ion Ratio Lower Upper

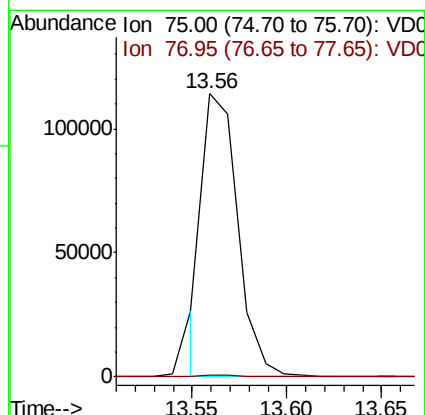
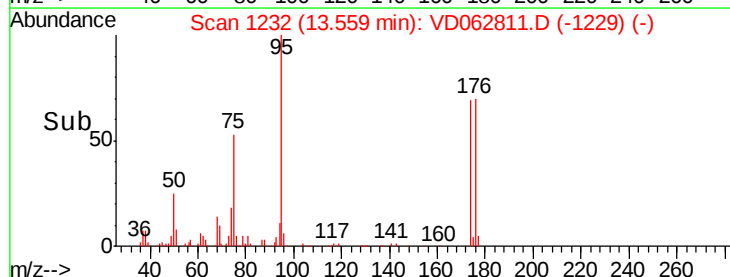
75 100

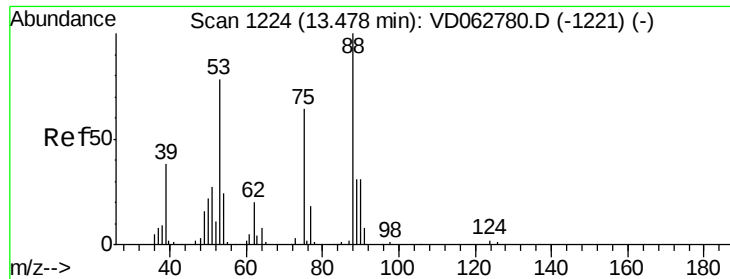
77 1.3 15.0 45.1#



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: 170.545 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062811.D

Acq: 21 Jun 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

OR-02-061919-B

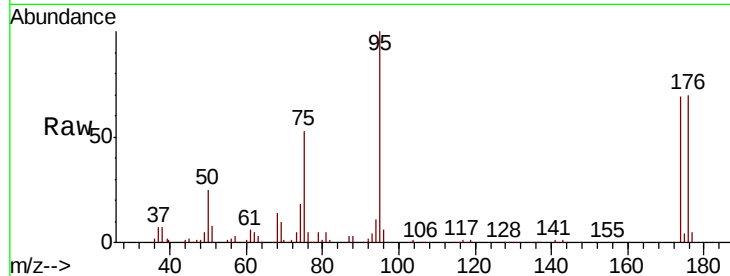
Tot Ion: 75 Resp: 166319

Ion Ratio Lower Upper

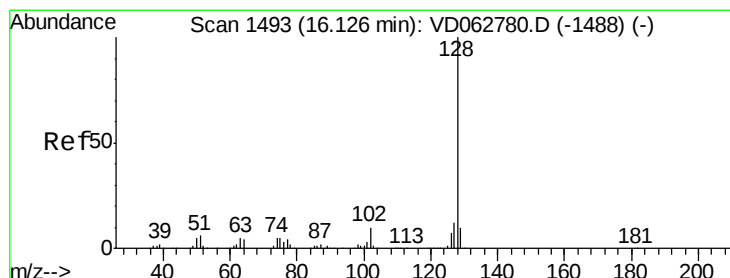
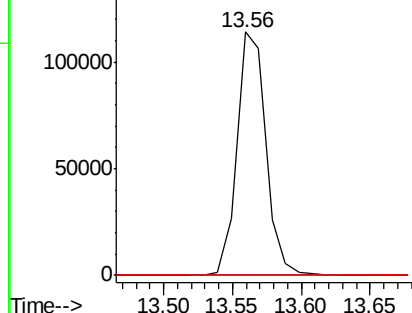
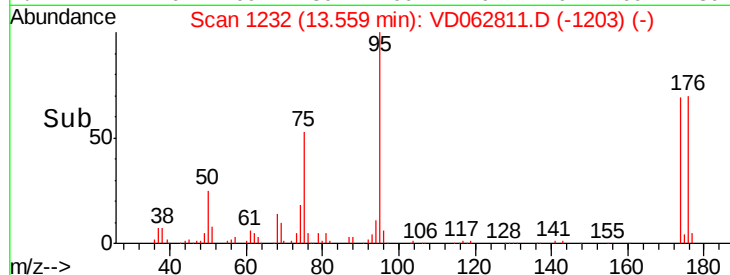
75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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: 1.622 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD062811.D

Acq: 21 Jun 2019 12:53

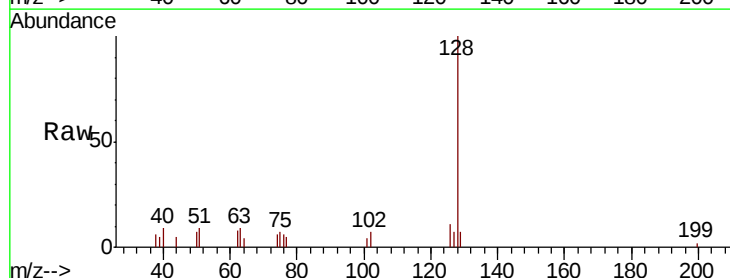
Tgt Ion:128 Resp: 15145

Ion Ratio Lower Upper

128 100

127 6.7 9.7 14.5#

129 6.8 8.3 12.5#



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

