

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062840.D
 Acq On : 24 Jun 2019 15:10
 Operator : VA/AP
 Sample : K3499-01
 Misc : 5.58g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(11-12)

Quant Time: Jun 25 05:03:53 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	7.05	168	734661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1081638	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	889627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	466260	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	461200	57.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.50%	
35) Dibromofluoromethane	6.92	113	466446	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	10.42	98	949532	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
62) 4-Bromofluorobenzene	13.56	95	429540	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	

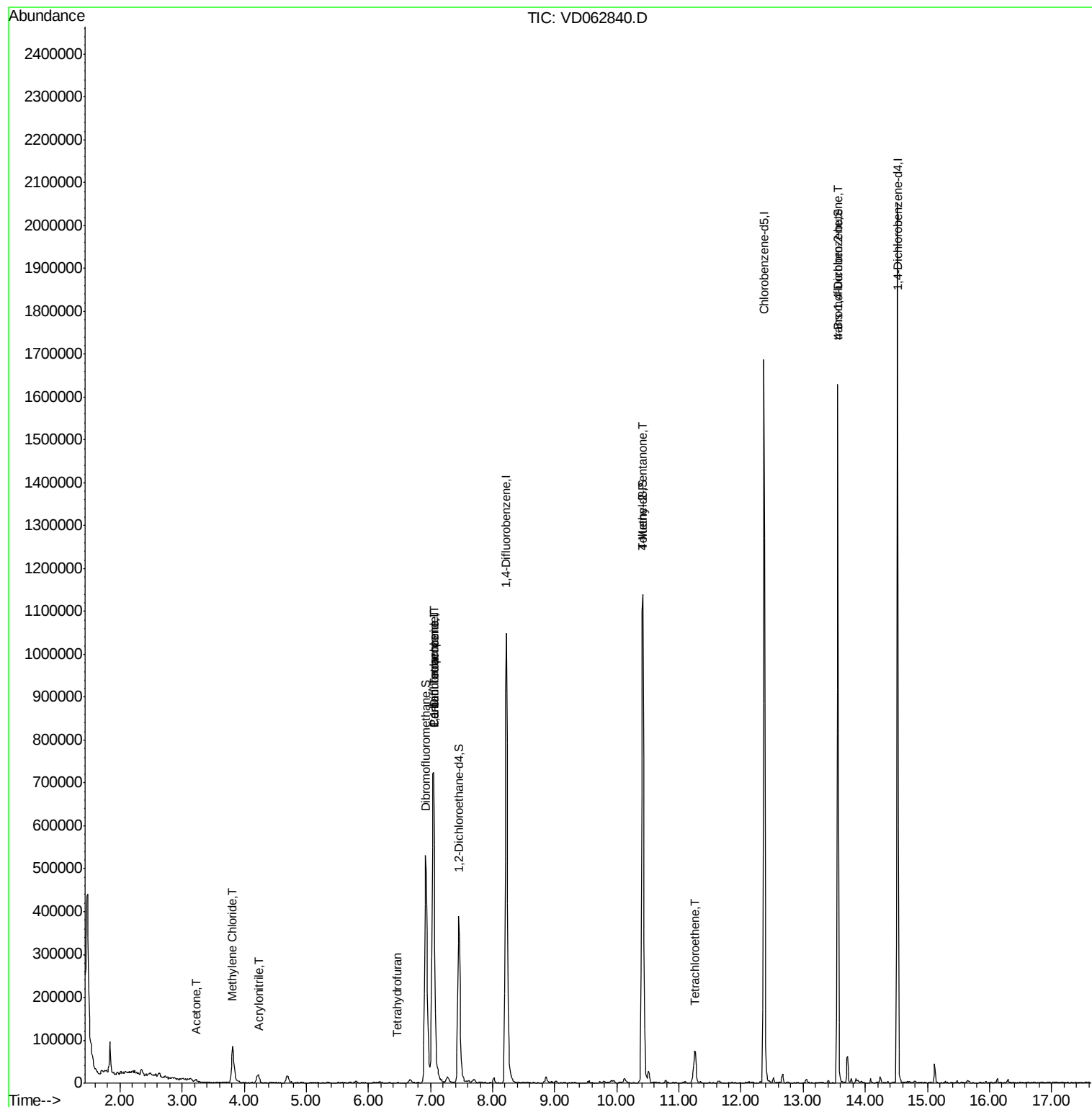
Target Compounds						Qvalue
15) Acrylonitrile	4.23	53	1016	1.189	ug/l #	52
16) Acetone	3.22	43	13058	1.098	ug/l #	80
20) Methylene Chloride	3.81	84	47022	7.721	ug/l	86
29) Tetrahydrofuran	6.48	42	746	1.056	ug/l #	33
36) 1,1-Dichloropropene	7.05	75	57566	5.622	ug/l #	53
37) Ethyl Acetate	6.17	43	393	Below Cal	#	69
38) Carbon Tetrachloride	7.05	117	70946	4.607	ug/l #	14
51) 4-Methyl-2-Pentanone	10.42	43	7600	1.997	ug/l #	28
64) Tetrachloroethene	11.26	164	17548	2.397	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.56	75	202465	143.520	ug/l #	2

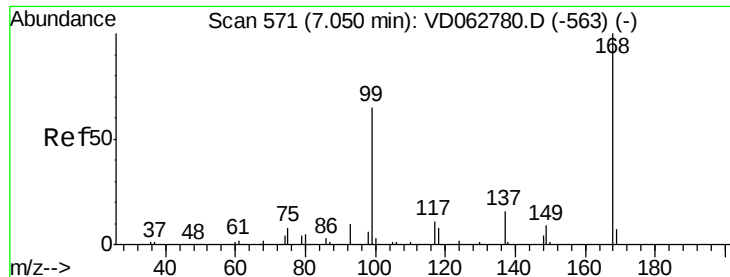
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
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ClientSampleId :
B-1(11-12)

Quant Time: Jun 25 05:03:53 2019
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: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

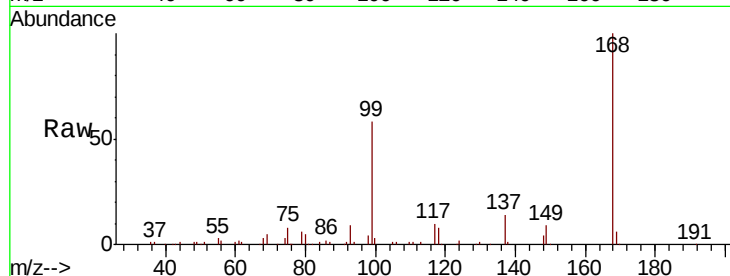
B-1(11-12)

Tot Ion:168 Resp: 734661

Ion Ratio Lower Upper

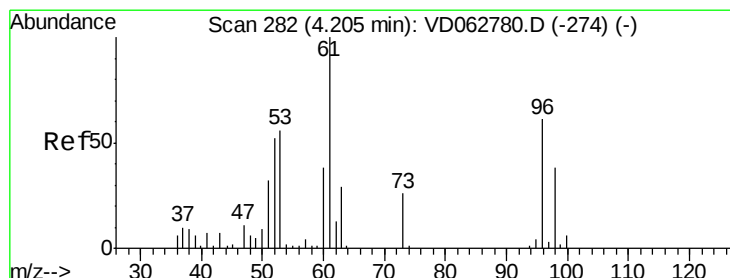
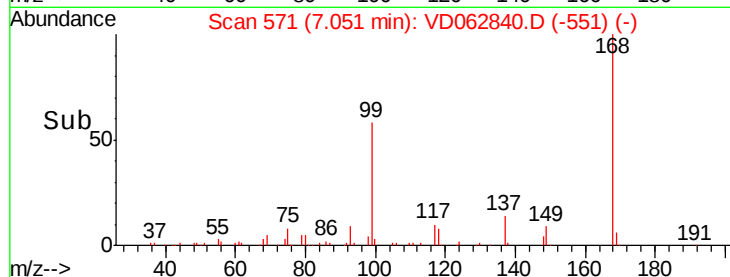
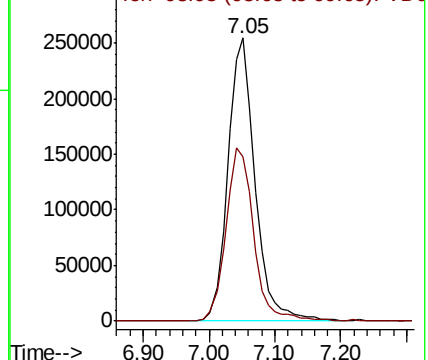
168 100

99 57.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#15

Acrylonitrile

Concen: 1.189 ug/l

RT: 4.23 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

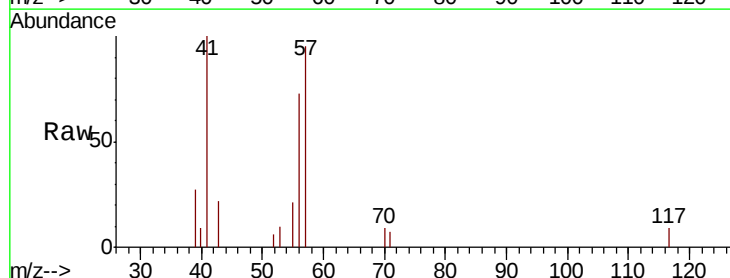
Tgt Ion: 53 Resp: 1016

Ion Ratio Lower Upper

53 100

52 62.3 73.3 109.9#

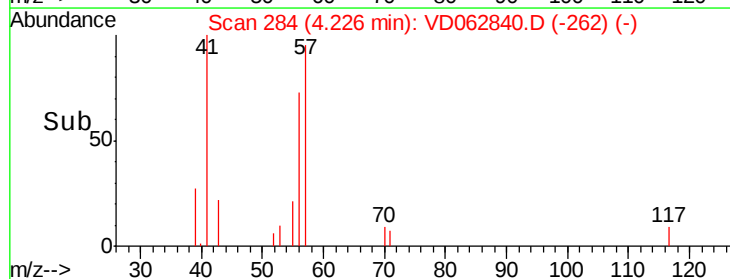
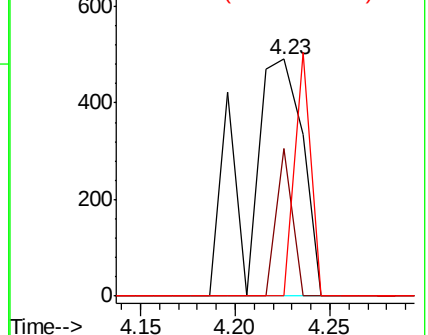
51 0.0 44.8 67.2#

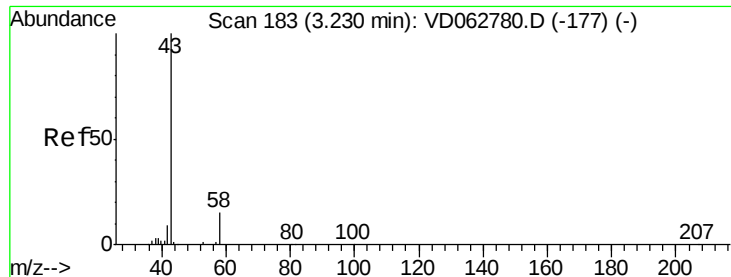


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 1.098 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

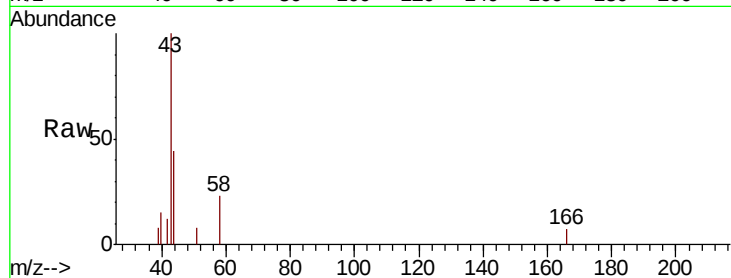
B-1(11-12)

Tot Ion: 43 Resp: 13058

Ion Ratio Lower Upper

43 100

58 23.1 11.9 17.9#



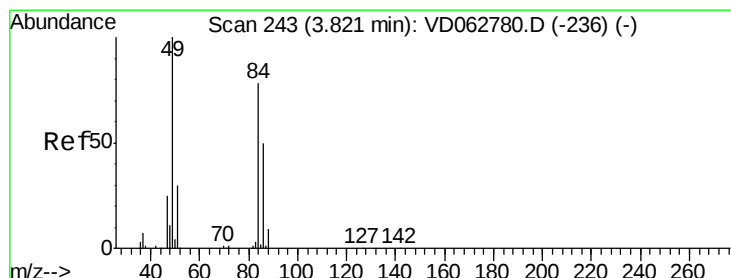
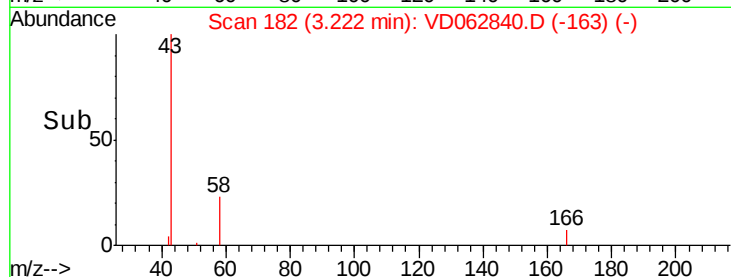
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

Time-->

3.15 3.20 3.25 3.30



#20

Methylene Chloride

Concen: 7.721 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

Tgt Ion: 84 Resp: 47022

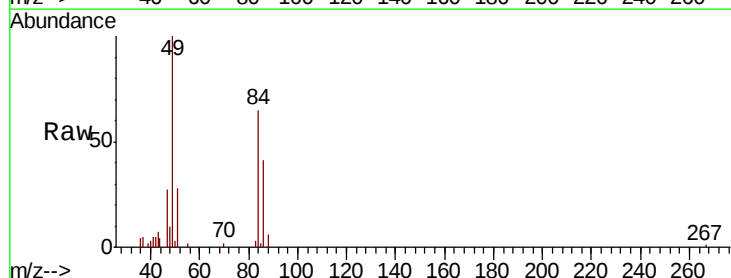
Ion Ratio Lower Upper

84 100

49 152.9 102.9 154.3

51 43.4 31.2 46.8

86 61.9 51.4 77.2



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

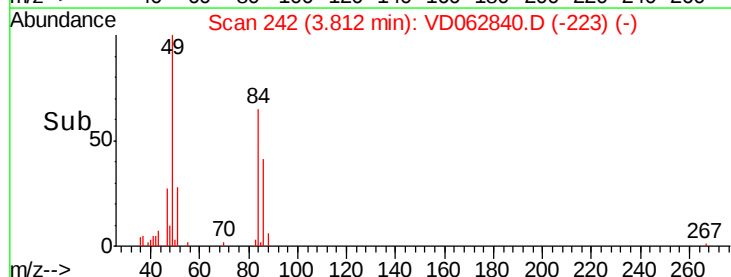
Ion 50.90 (50.60 to 51.60): VDC

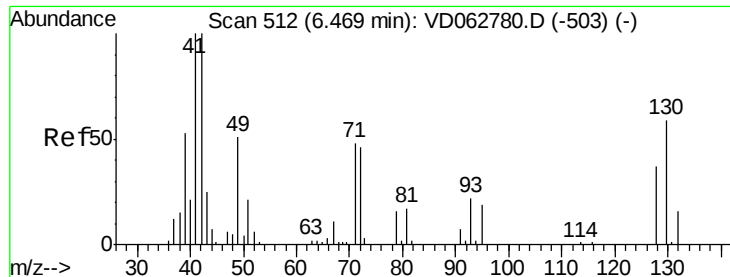
Ion 85.90 (85.60 to 86.60): VDC

3.81

Time-->

3.70 3.80 3.90





#29

Tetrahydrofuran

Concen: 1.056 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

B-1(11-12)

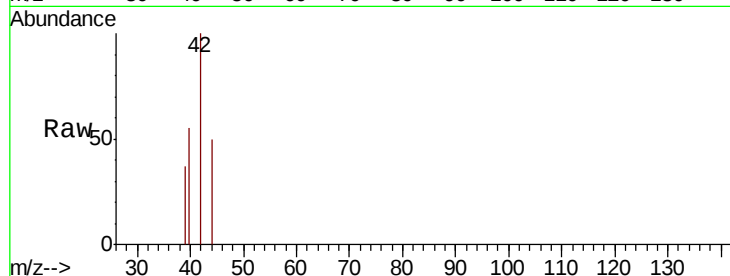
Tot Ion: 42 Resp: 746

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.6#

71 0.0 33.3 49.9#

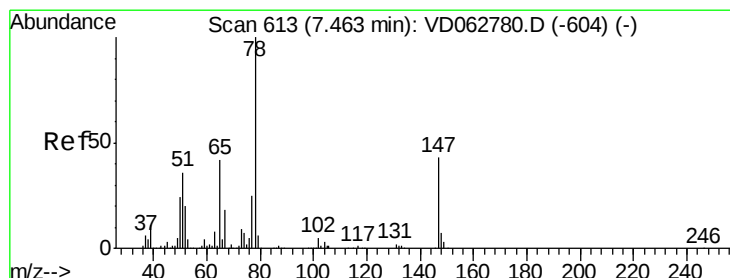
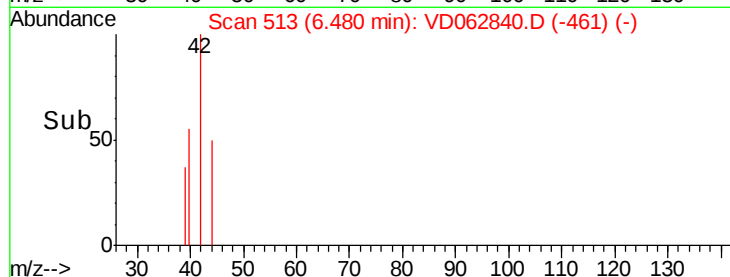
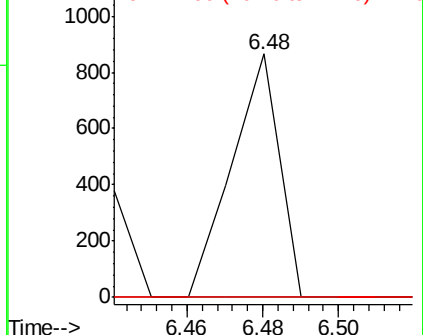


Abundance

Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 57.754 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062840.D

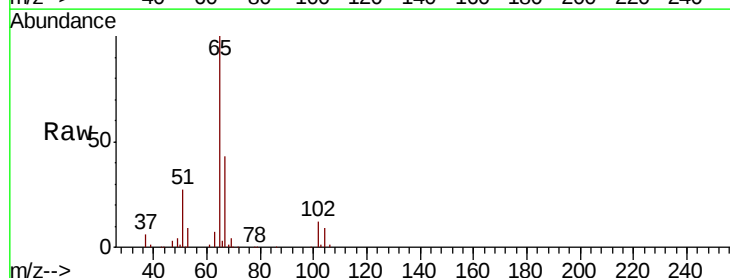
Acq: 24 Jun 2019 15:10

Tgt Ion: 65 Resp: 461200

Ion Ratio Lower Upper

65 100

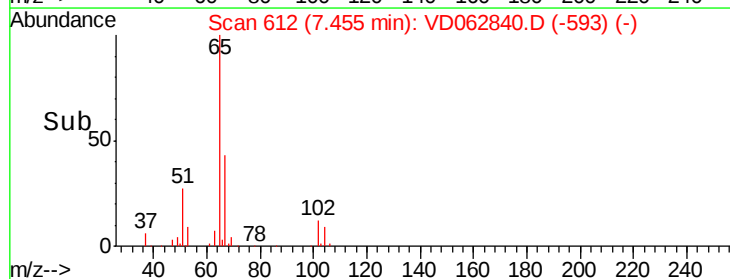
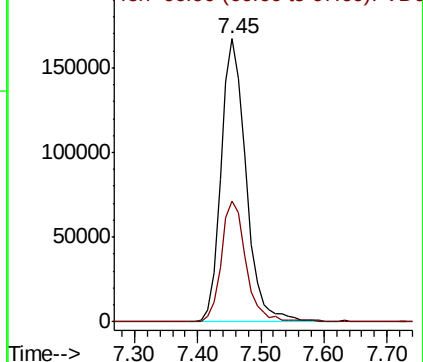
67 42.8 0.0 87.4

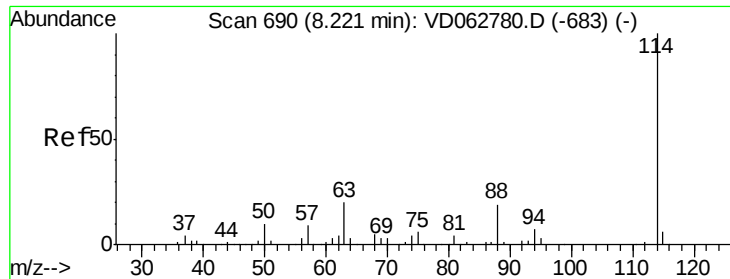


Abundance

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: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

B-1(11-12)

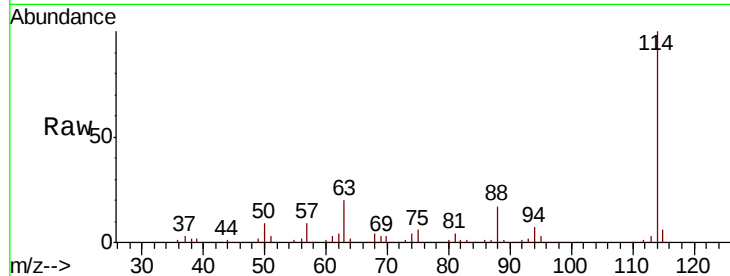
Tot Ion:114 Resp: 1081638

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

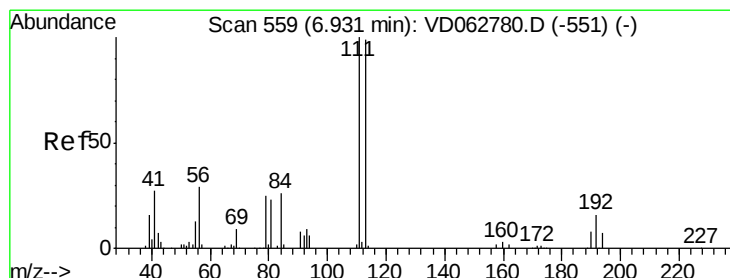
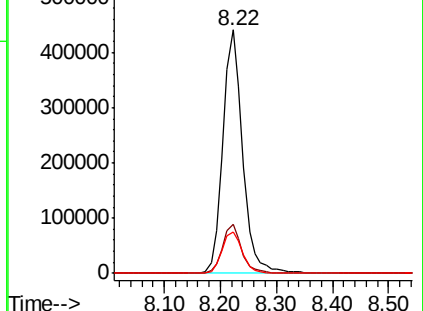
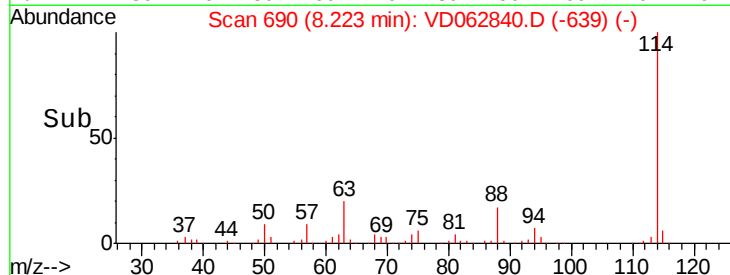
88 17.3 0.0 38.8



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: 51.144 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

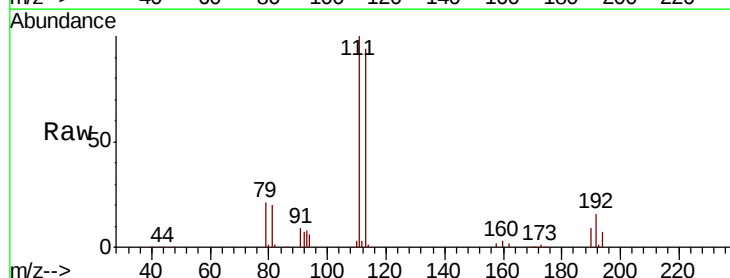
Tgt Ion:113 Resp: 466446

Ion Ratio Lower Upper

113 100

111 106.3 81.2 121.8

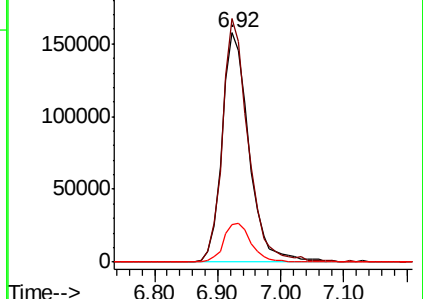
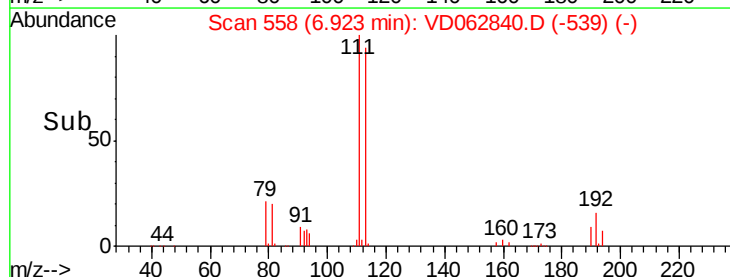
192 16.6 12.9 19.3

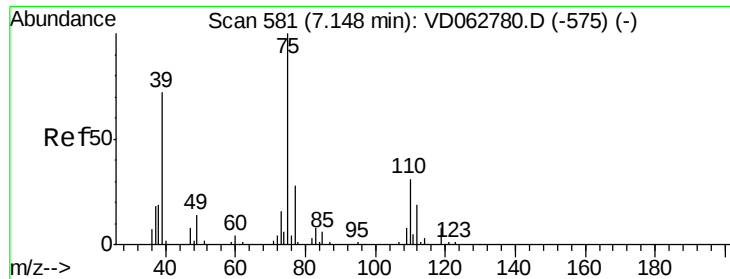


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.622 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

B-1(11-12)

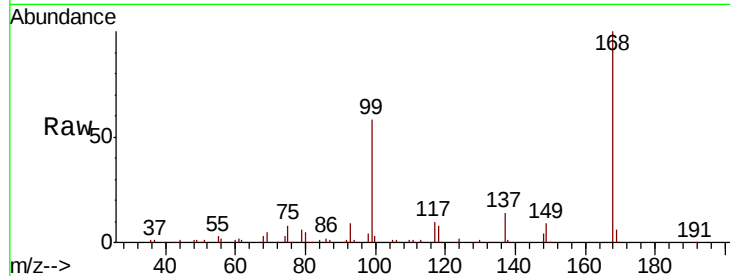
Tot Ion: 75 Resp: 57566

Ion Ratio Lower Upper

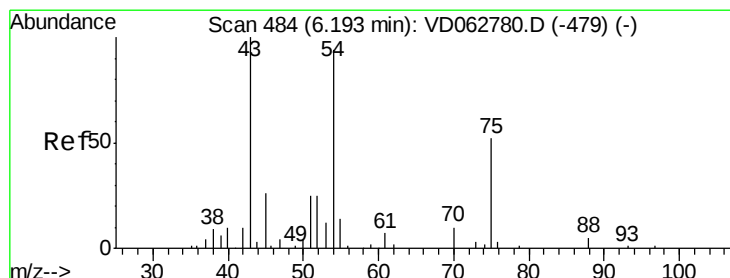
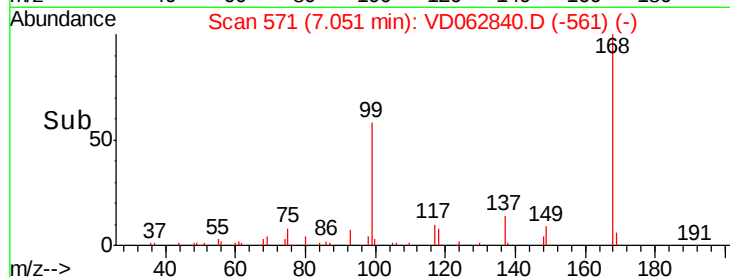
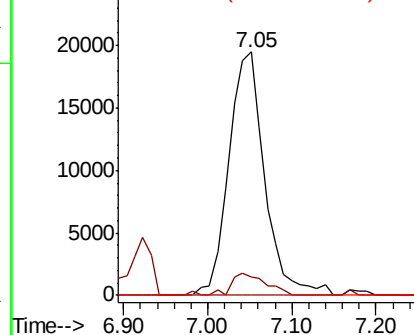
75 100

110 7.7 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): VDC
Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: Below Cal

RT: 6.17 min Scan# 481

Delta R.T. -0.03 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

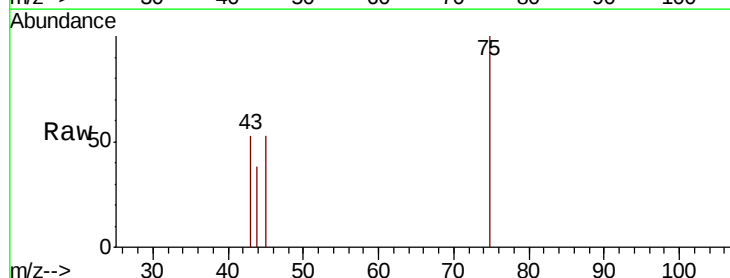
Tgt Ion: 43 Resp: 393

Ion Ratio Lower Upper

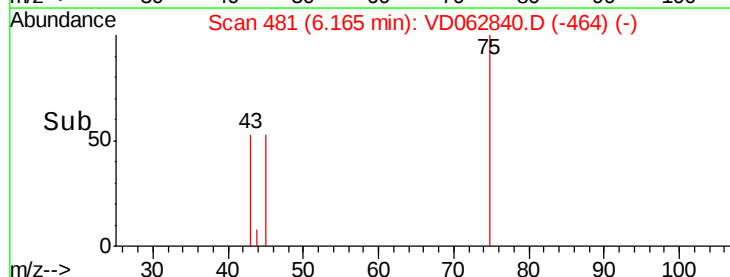
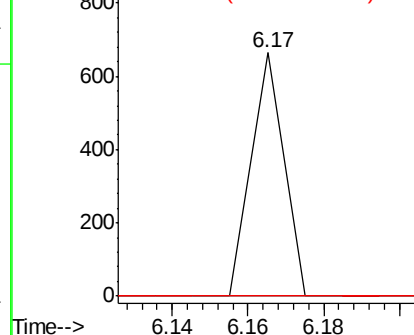
43 100

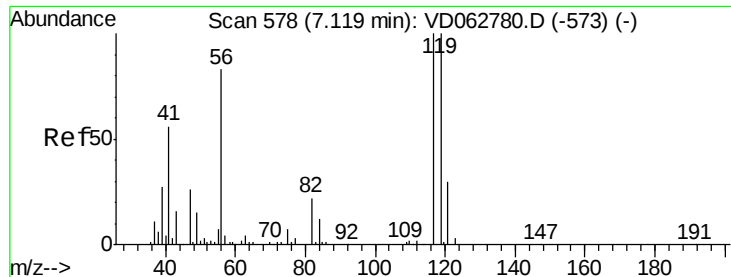
61 0.0 11.6 17.4#

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





#38

Carbon Tetrachloride

Concen: 4.607 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

B-1(11-12)

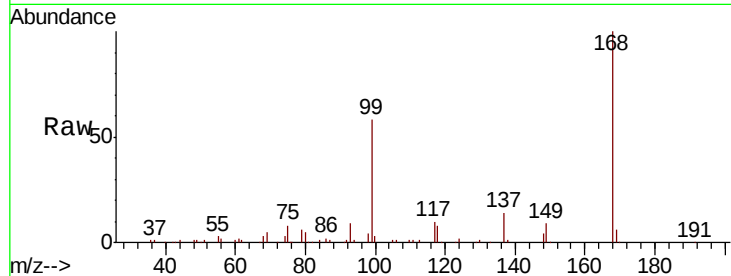
Tot Ion:117 Resp: 70946

Ion Ratio Lower Upper

117 100

119 2.1 75.4 113.2#

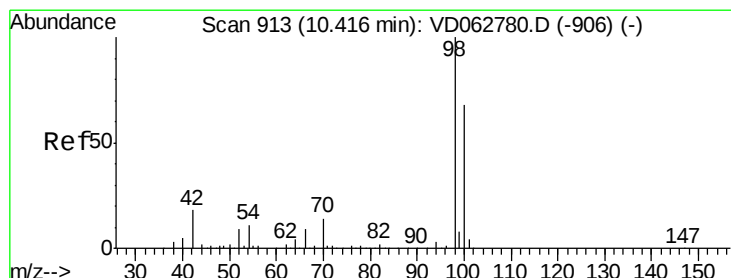
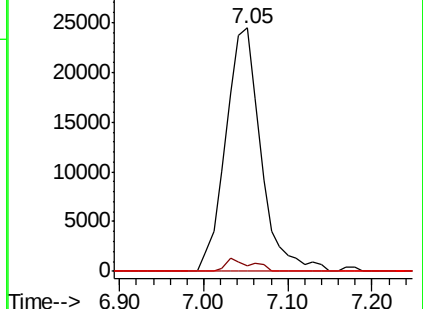
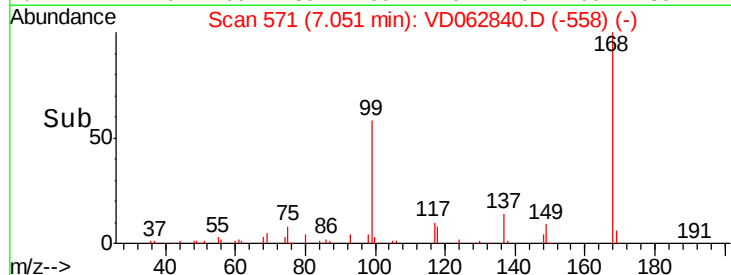
121 0.0 22.3 33.5#



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



#50

Toluene-d8

Concen: 47.835 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD062840.D

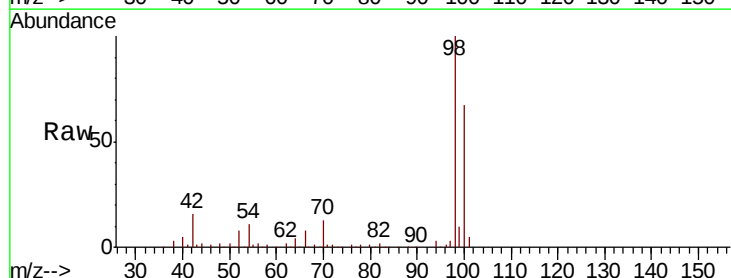
Acq: 24 Jun 2019 15:10

Tgt Ion: 98 Resp: 949532

Ion Ratio Lower Upper

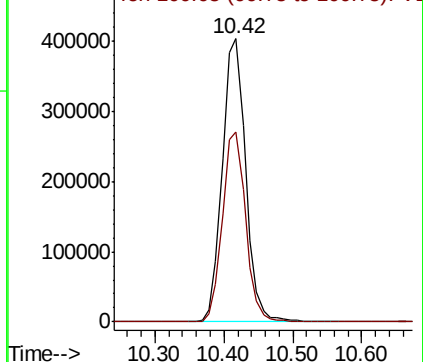
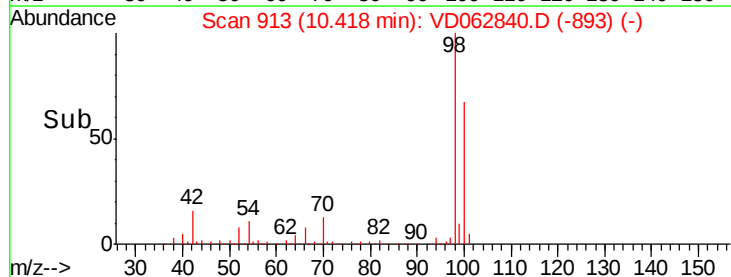
98 100

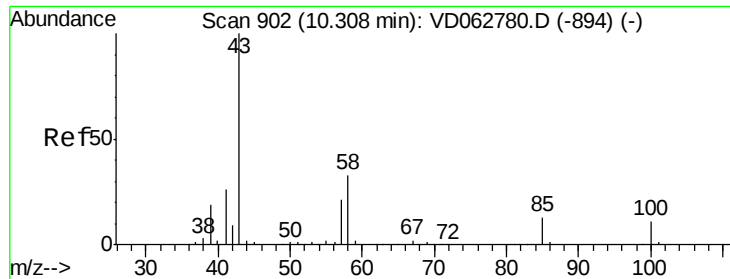
100 67.1 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.997 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.11 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

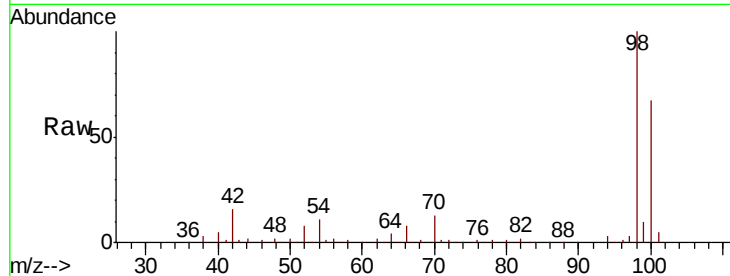
B-1(11-12)

Tot Ion: 43 Resp: 7600

Ion Ratio Lower Upper

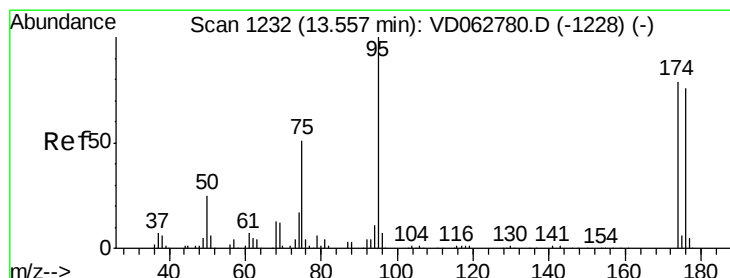
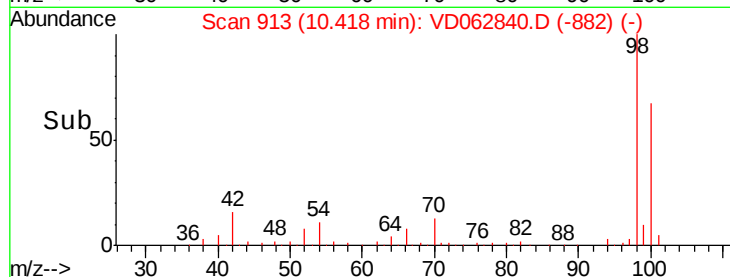
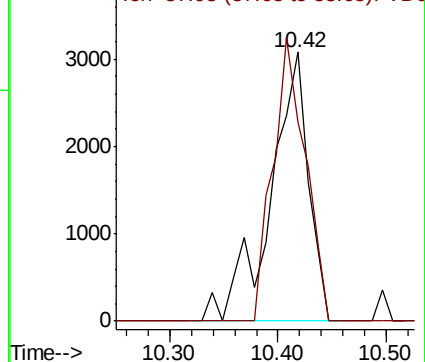
43 100

58 74.1 26.6 40.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 47.589 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

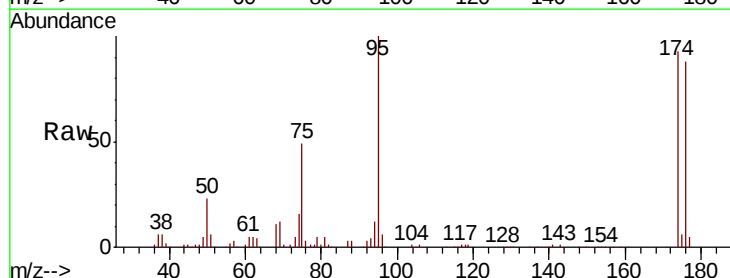
Tgt Ion: 95 Resp: 429540

Ion Ratio Lower Upper

95 100

174 92.9 0.0 158.0

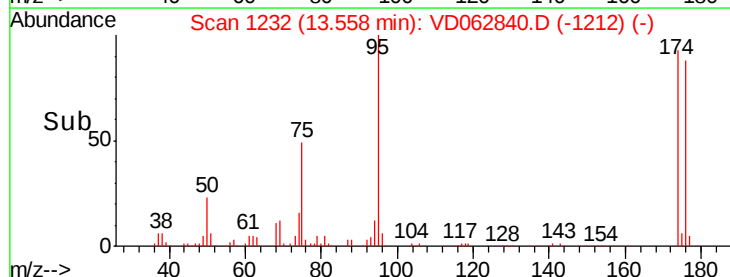
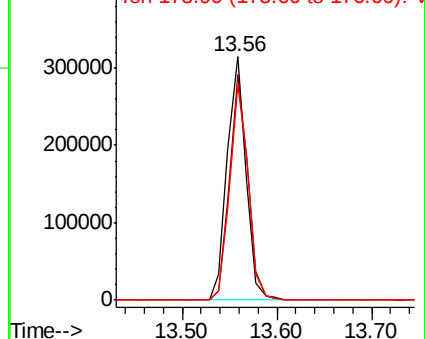
176 88.4 0.0 151.6

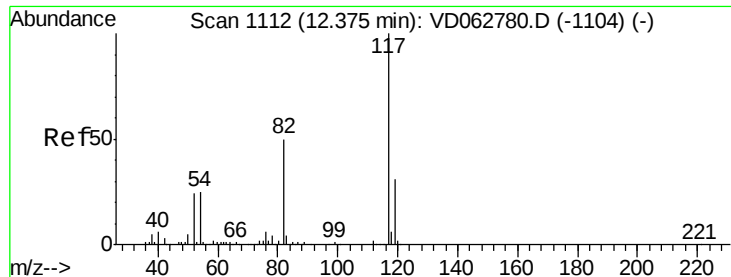


Abundance Ion 95.00 (94.70 to 95.70): VDC

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: 12.37 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

B-1(11-12)

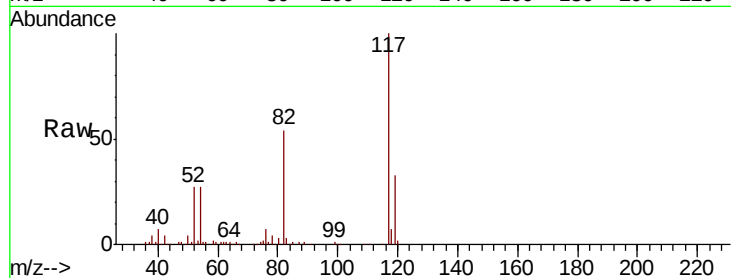
Tot Ion:117 Resp: 889627

Ion Ratio Lower Upper

117 100

82 54.0 40.4 60.6

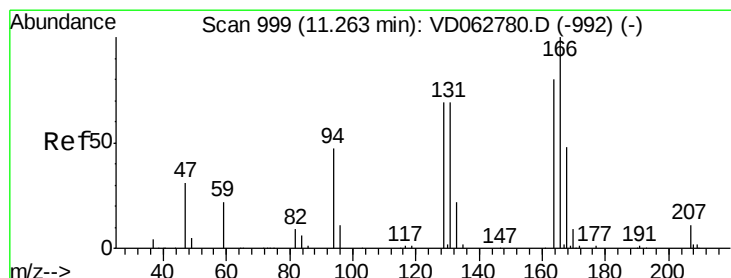
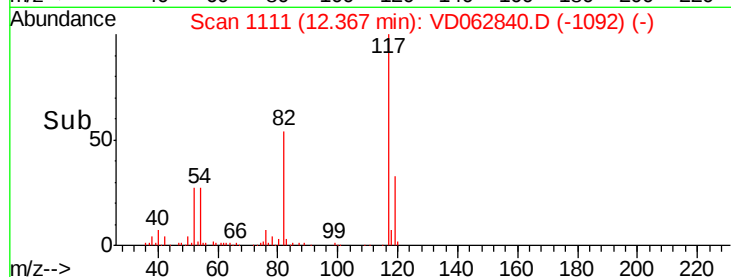
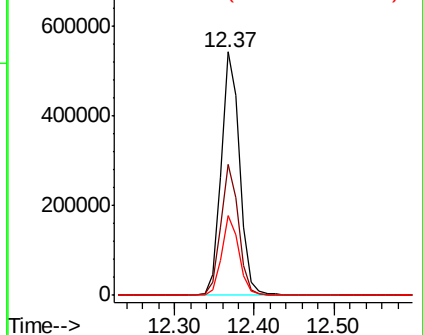
119 32.8 25.2 37.8



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



#64

Tetrachloroethene

Concen: 2.397 ug/l

RT: 11.26 min Scan# 999

Delta R.T. 0.00 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

Tgt Ion:164 Resp: 17548

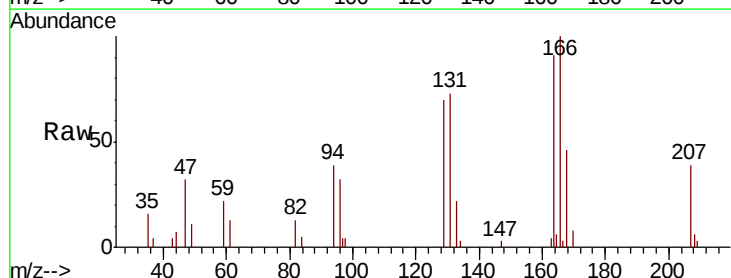
Ion Ratio Lower Upper

164 100

166 109.5 100.6 150.8

129 76.3 69.4 104.0

131 80.0 69.3 103.9

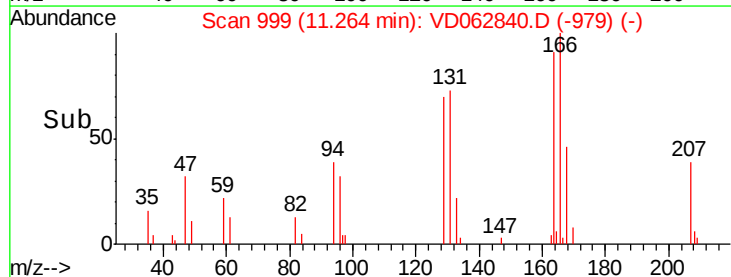
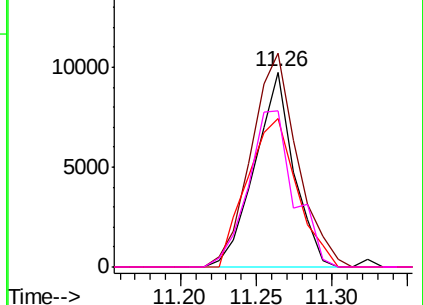


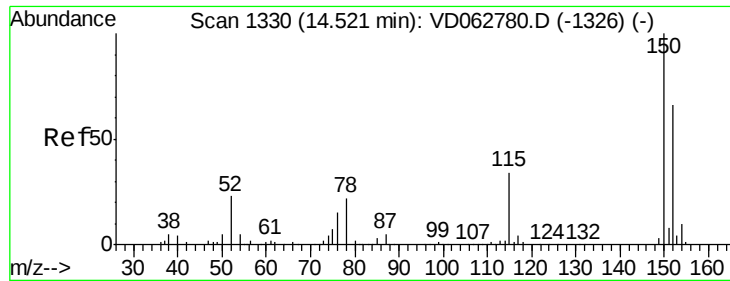
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VD062840.D

Acq: 24 Jun 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

B-1(11-12)

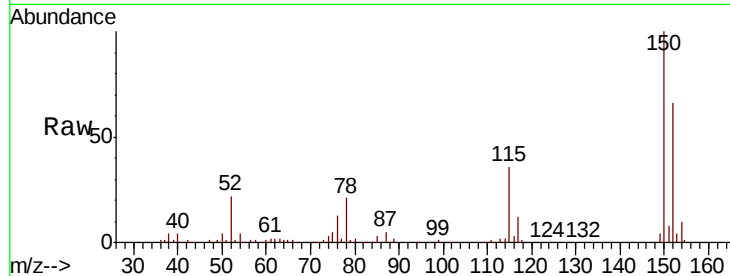
Tot Ion:152 Resp: 466260

Ion Ratio Lower Upper

152 100

115 54.3 29.2 87.6

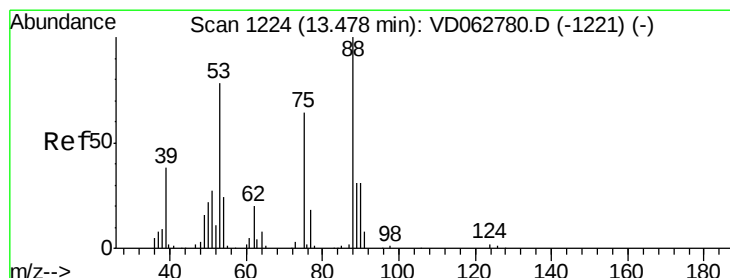
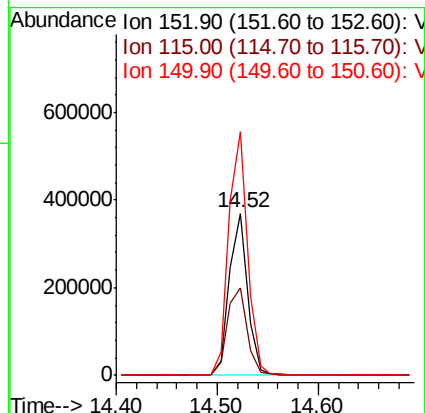
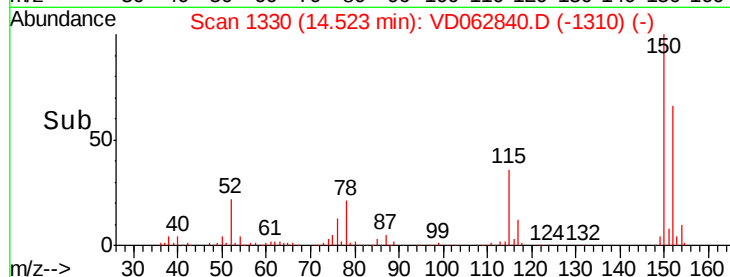
150 150.5 0.0 305.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 143.520 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

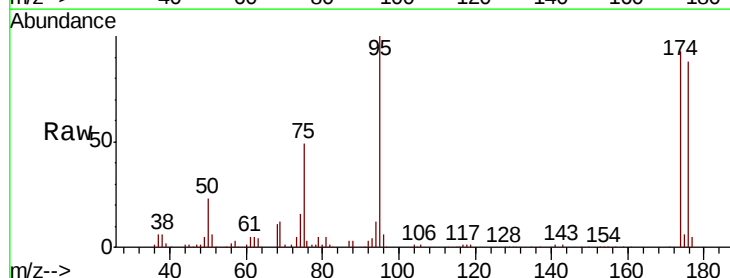
Tgt Ion: 75 Resp: 202465

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

