

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062867.D
 Acq On : 25 Jun 2019 6:10
 Operator : VA/AP
 Sample : K3164-05
 Misc : 6.29g/5ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B07

Quant Time: Jun 25 06:46:35 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	593695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	781343	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	484683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	179701	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	366425	56.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.56%	
35) Dibromofluoromethane	6.94	113	409800	62.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.40%	
50) Toluene-d8	10.42	98	590462	41.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.36%	
62) 4-Bromofluorobenzene	13.56	95	246018	37.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.46%	

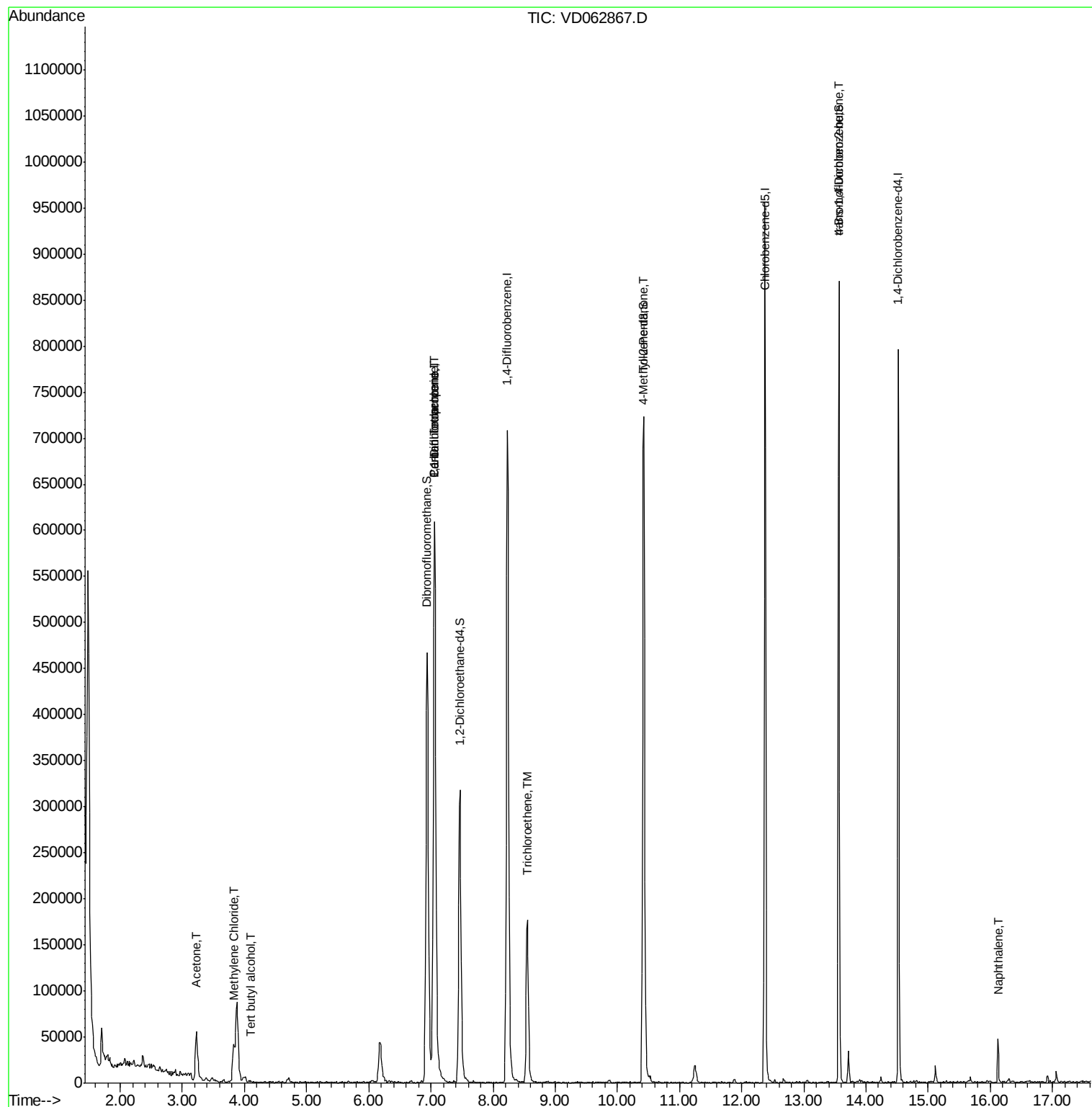
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.09	59	1403	4.773	ug/l #	77
16) Acetone	3.23	43	111970	80.825	ug/l	98
20) Methylene Chloride	3.82	84	24090	4.895	ug/l	85
36) 1,1-Dichloropropene	7.06	75	48150	6.510	ug/l #	52
38) Carbon Tetrachloride	7.06	117	59980	5.392	ug/l #	13
44) Trichloroethene	8.55	130	80018	13.747	ug/l	87
51) 4-Methyl-2-Pentanone	10.40	43	5019	1.826	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.56	75	111620	205.297	ug/l #	2
95) Naphthalene	16.12	128	28407	5.459	ug/l #	95

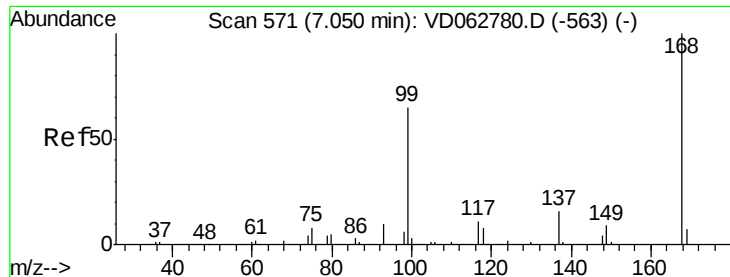
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
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Quant Time: Jun 25 06:46:35 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: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062867.D

Acq: 25 Jun 2019 6:10

Instrument :

MSVOA_D

ClientSampleId :

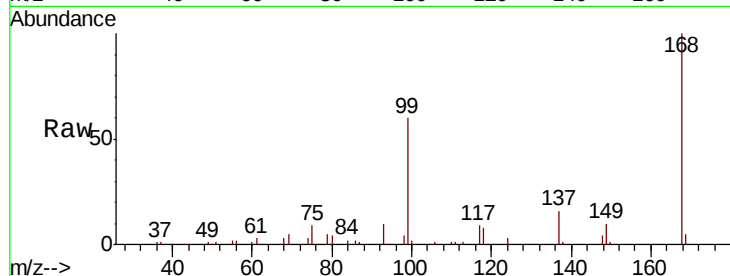
BAT-B07

Tot Ion:168 Resp: 593695

Ion Ratio Lower Upper

168 100

99 59.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

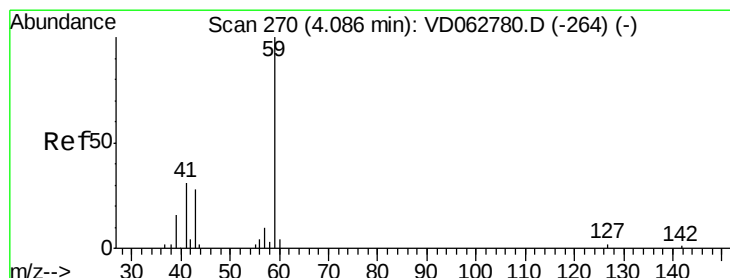
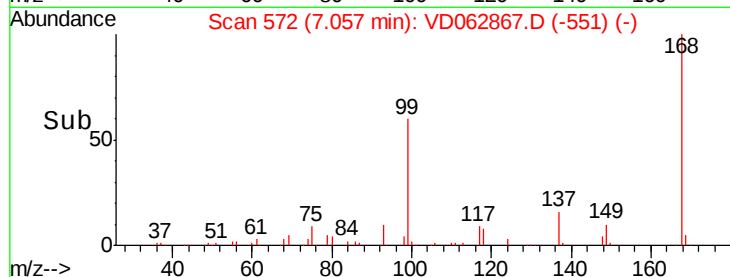
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.773 ug/l

RT: 4.09 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD062867.D

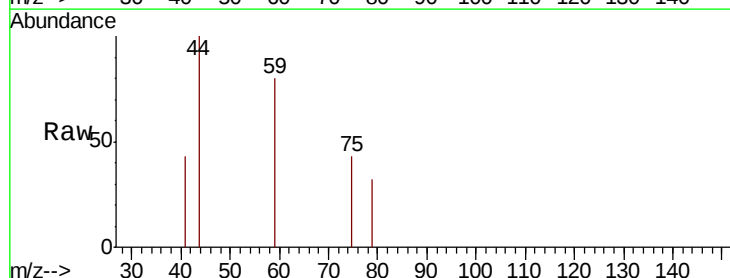
Acq: 25 Jun 2019 6:10

Tgt Ion: 59 Resp: 1403

Ion Ratio Lower Upper

59 100

57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.09

1000

800

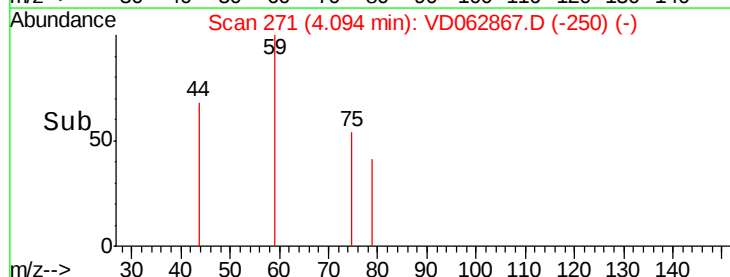
600

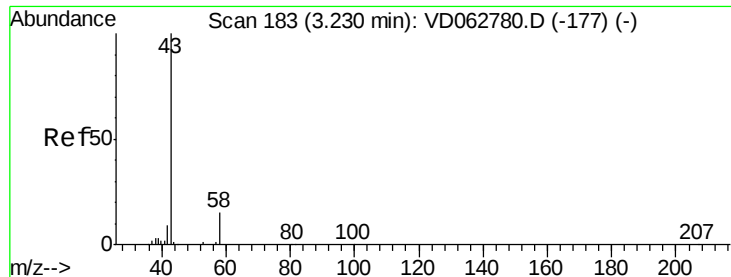
400

200

0

Time-->





#16

Acetone

Concen: 80.825 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062867.D

Acq: 25 Jun 2019 6:10

Instrument :

MSVOA_D

ClientSampleId :

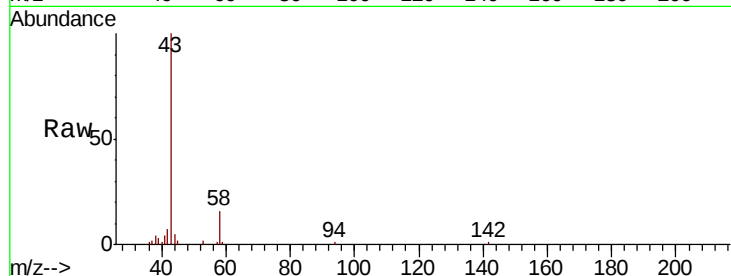
BAT-B07

Tot Ion: 43 Resp: 111970

Ion Ratio Lower Upper

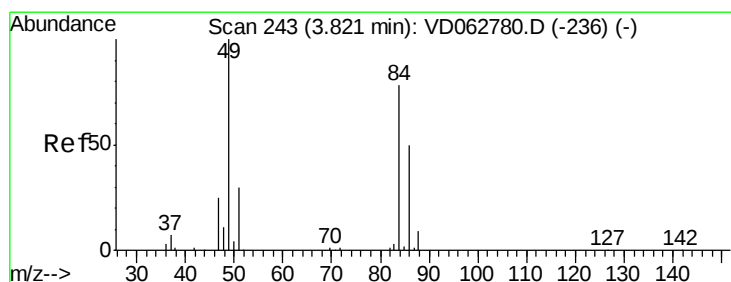
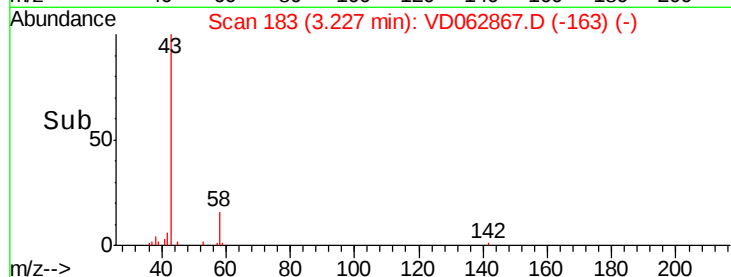
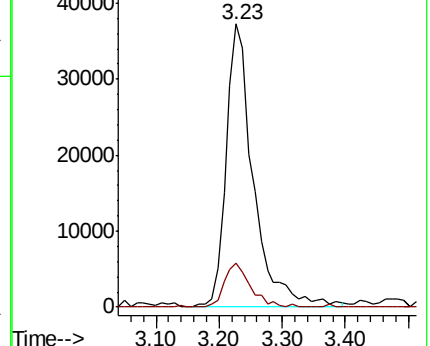
43 100

58 15.6 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 4.895 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD062867.D

Acq: 25 Jun 2019 6:10

Tgt Ion: 84 Resp: 24090

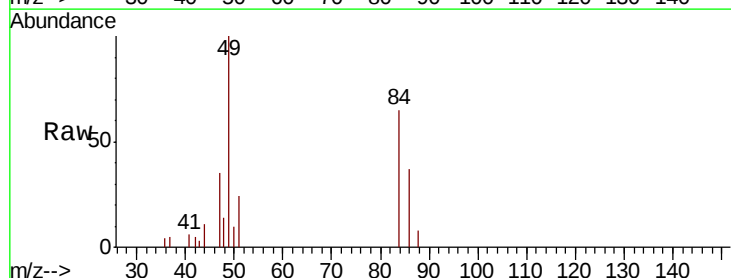
Ion Ratio Lower Upper

84 100

49 153.9 102.9 154.3

51 36.8 31.2 46.8

86 56.6 51.4 77.2

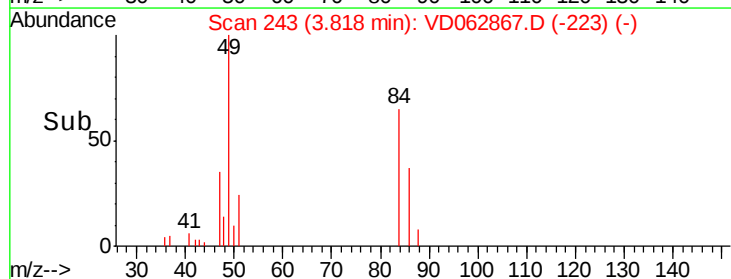
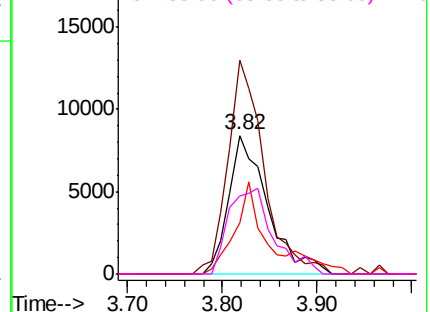


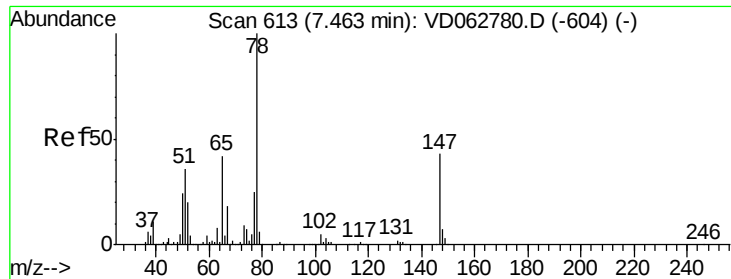
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

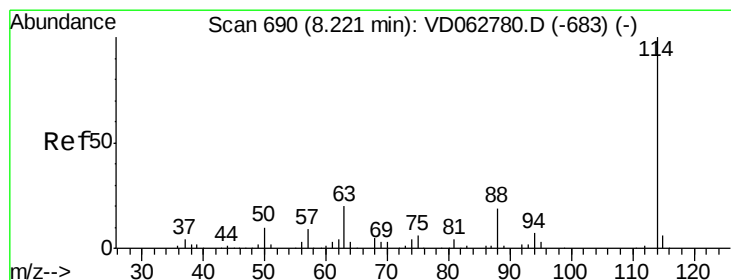
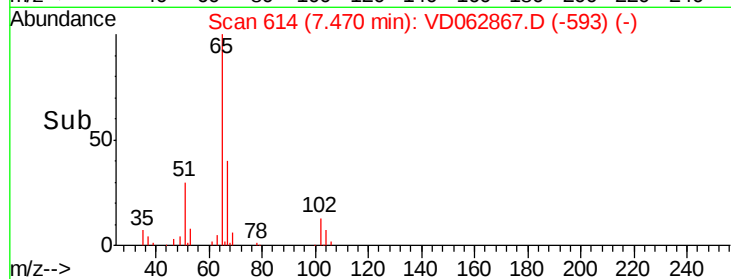
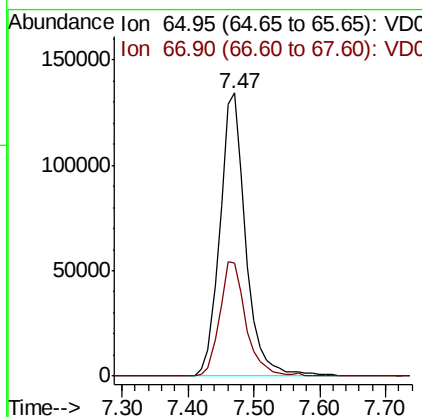
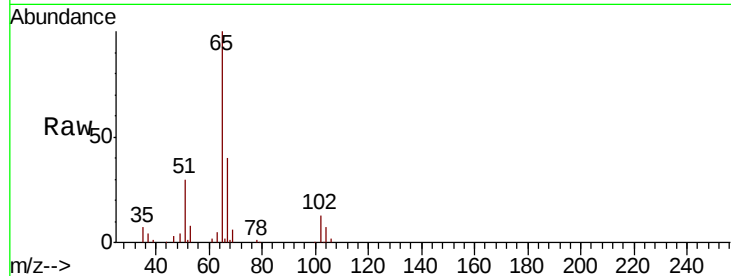




#33
 1,2-Dichloroethane-d4
 Concen: 56.780 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VD062867.D
 Acq: 25 Jun 2019 6:10

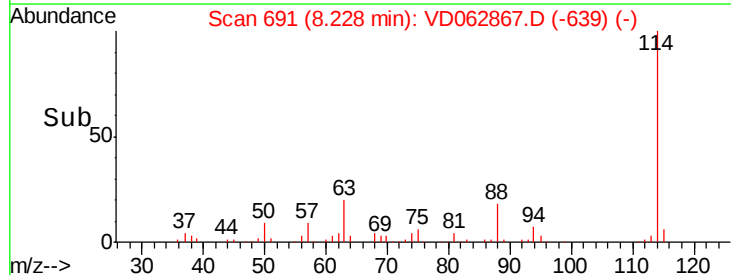
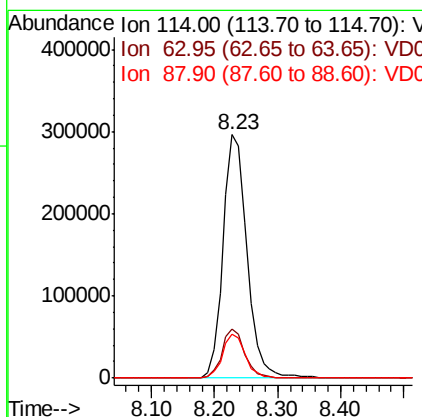
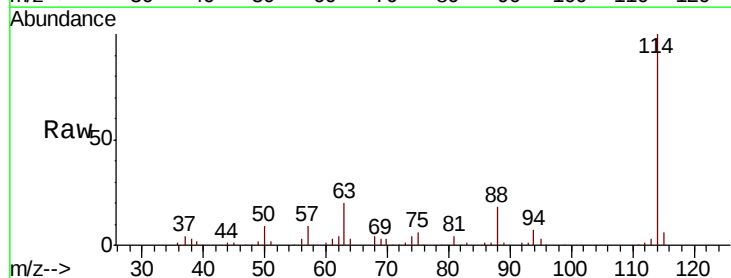
Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B07

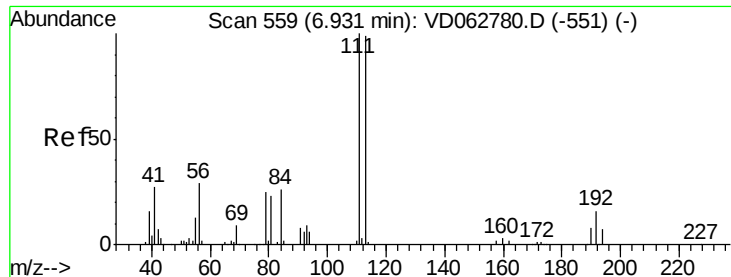
Tot Ion: 65 Resp: 366425
 Ion Ratio Lower Upper
 65 100
 67 39.9 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062867.D
 Acq: 25 Jun 2019 6:10

Tgt Ion: 114 Resp: 781343
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 18.1 0.0 38.8

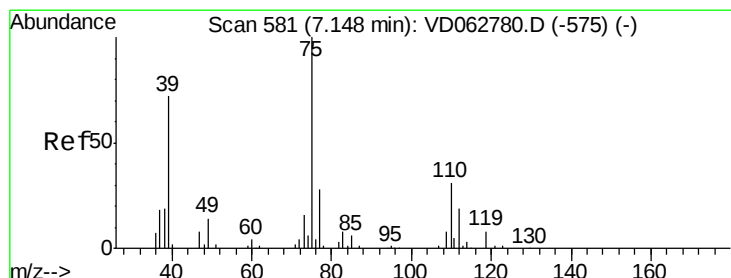
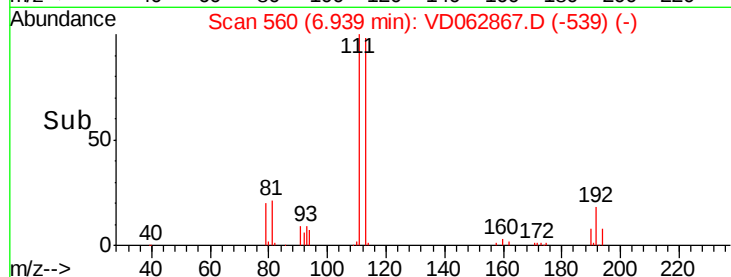
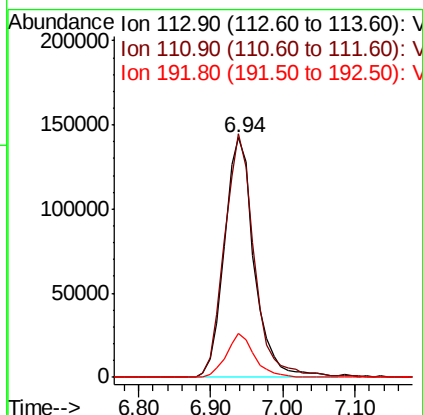
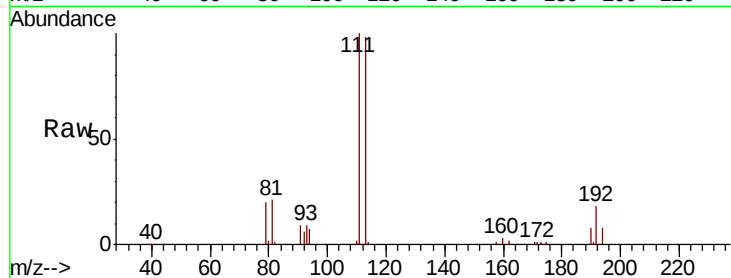




#35
 Dibromofluoromethane
 Concen: 62.202 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD062867.D
 Acq: 25 Jun 2019 6:10

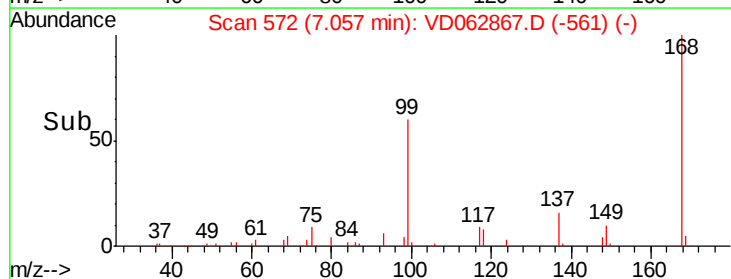
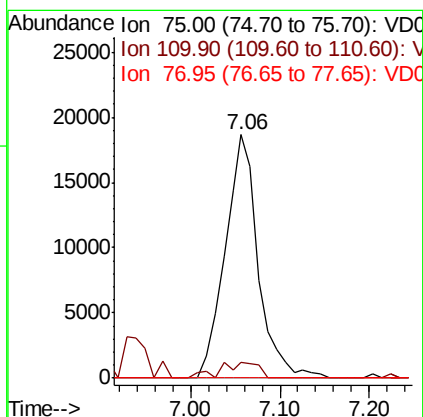
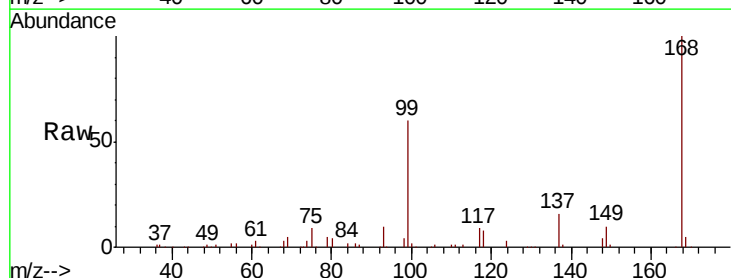
Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B07

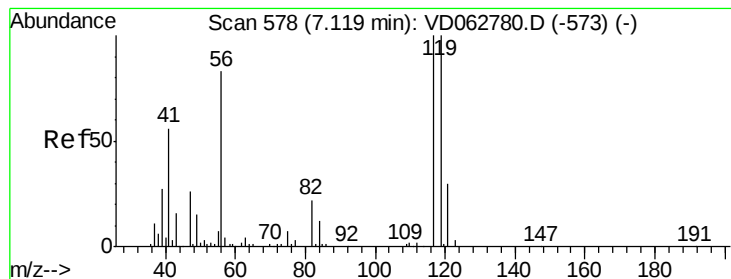
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.2	121.8
192	18.4	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 6.510 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD062867.D
 Acq: 25 Jun 2019 6:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.6	15.0	45.1#
77	0.0	22.2	33.2#





#38

Carbon Tetrachloride

Concen: 5.392 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD062867.D

Acq: 25 Jun 2019 6:10

Instrument :

MSVOA_D

ClientSampleId :

BAT-B07

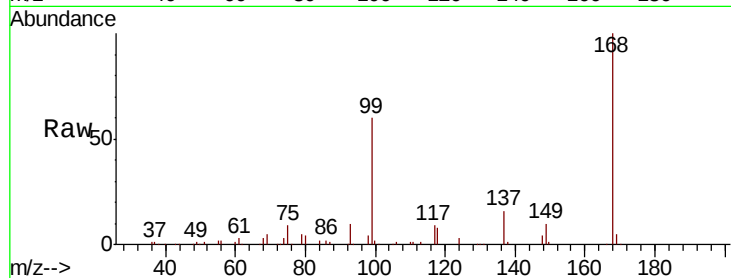
Tot Ion:117 Resp: 59980

Ion Ratio Lower Upper

117 100

119 0.0 75.4 113.2#

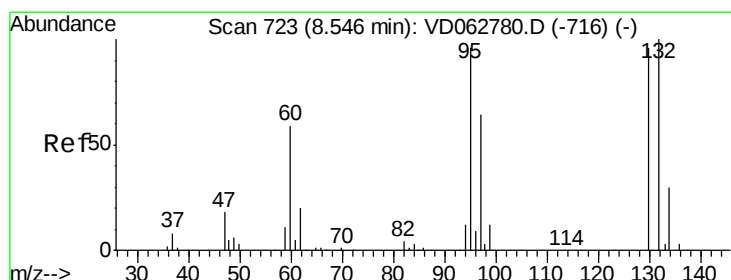
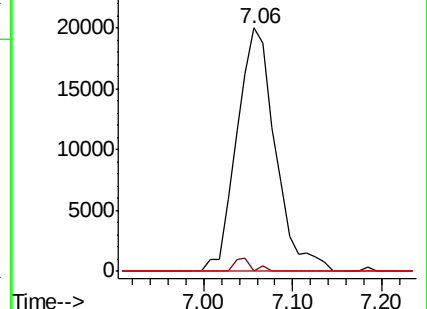
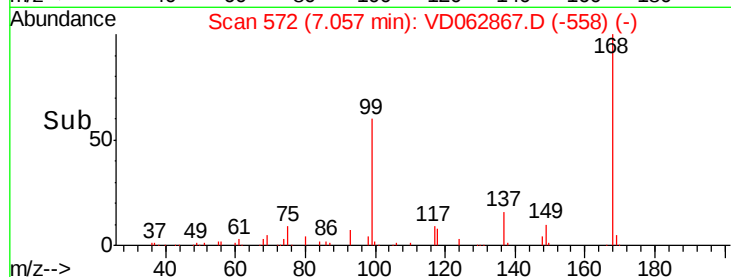
121 0.0 22.3 33.5#



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



#44

Trichloroethene

Concen: 13.747 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD062867.D

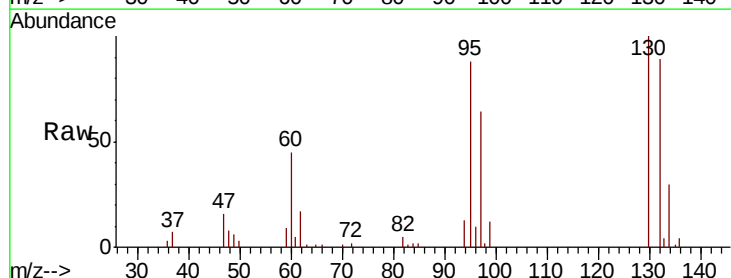
Acq: 25 Jun 2019 6:10

Tgt Ion:130 Resp: 80018

Ion Ratio Lower Upper

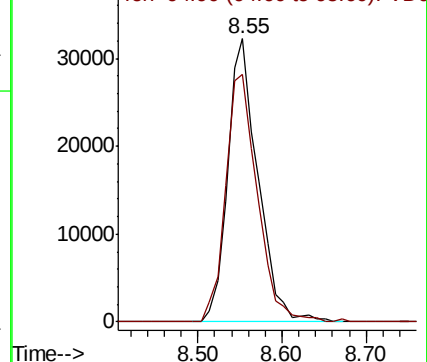
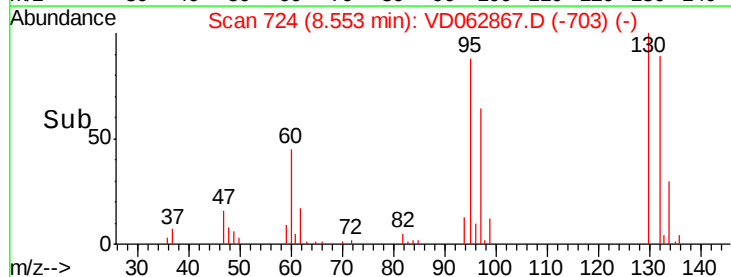
130 100

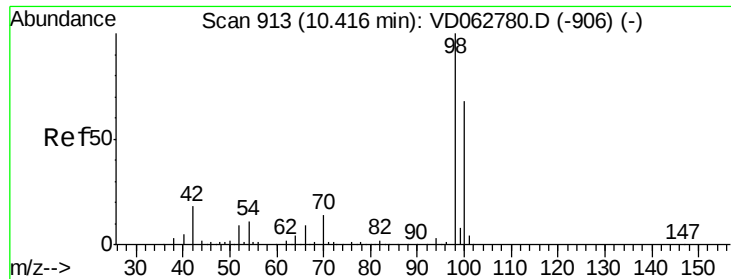
95 87.5 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 41.179 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD062867.D

Acq: 25 Jun 2019 6:10

Instrument :

MSVOA_D

ClientSampleId :

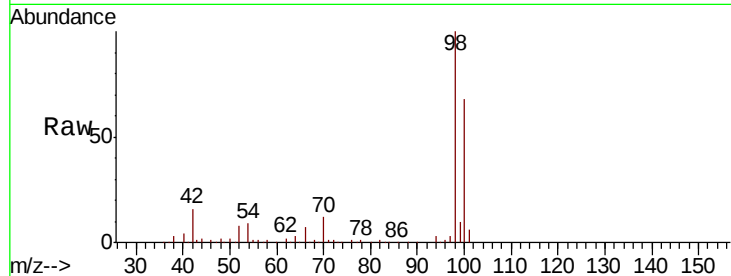
BAT-B07

Tot Ion: 98 Resp: 590462

Ion Ratio Lower Upper

98 100

100 68.1 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.42

250000

200000

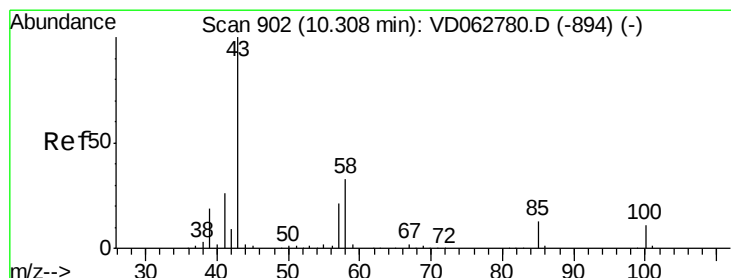
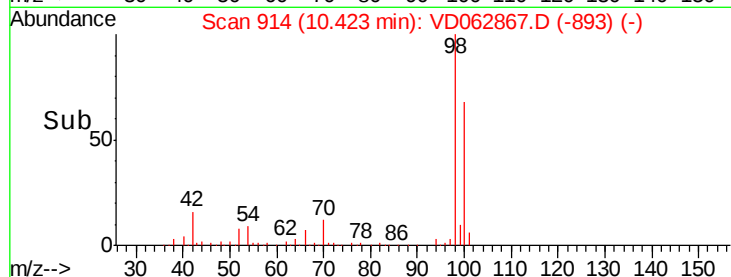
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.826 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.10 min

Lab File: VD062867.D

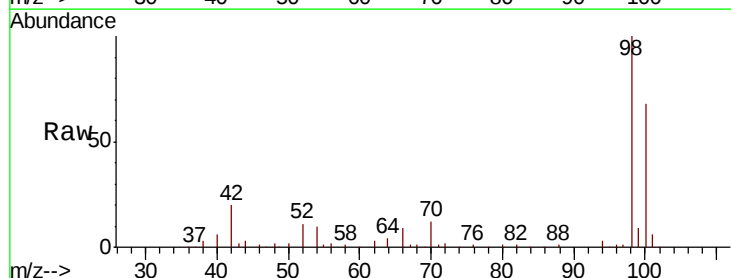
Acq: 25 Jun 2019 6:10

Tgt Ion: 43 Resp: 5019

Ion Ratio Lower Upper

43 100

58 39.7 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.40

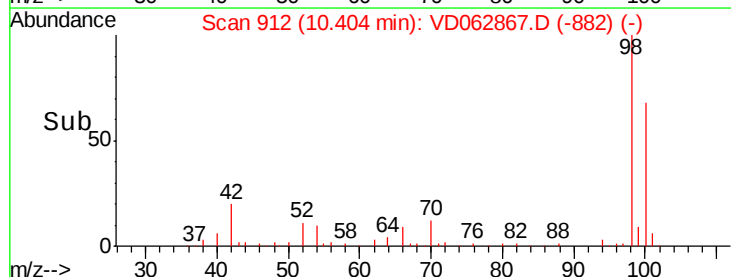
3000

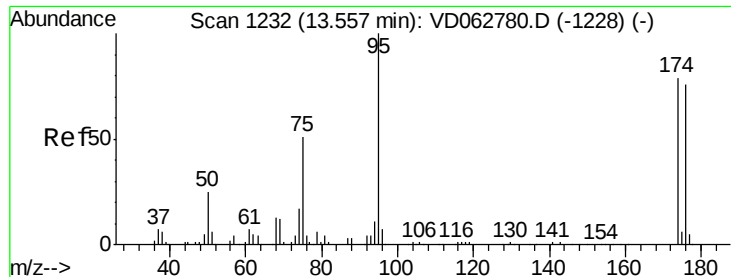
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 37.732 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062867.D

Acq: 25 Jun 2019 6:10

Instrument :

MSVOA_D

ClientSampleId :

BAT-B07

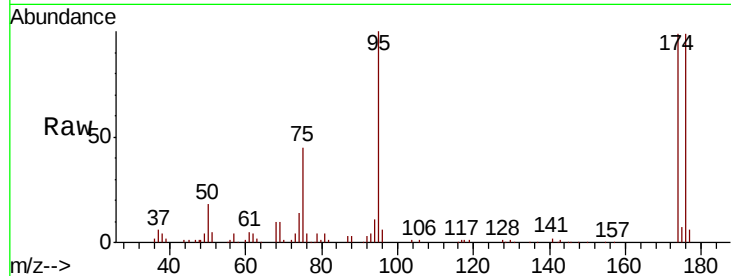
Tot Ion: 95 Resp: 246018

Ion Ratio Lower Upper

95 100

174 98.9 0.0 158.0

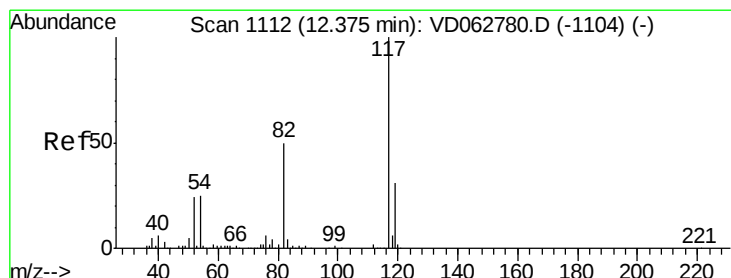
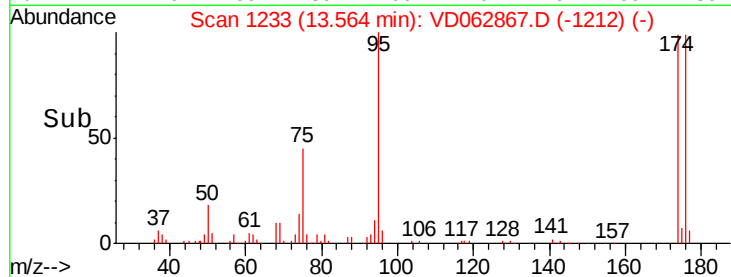
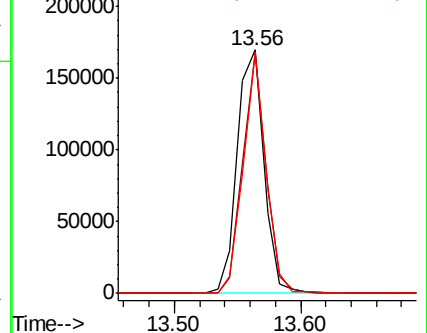
176 99.0 0.0 151.6



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: 12.37 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD062867.D

Acq: 25 Jun 2019 6:10

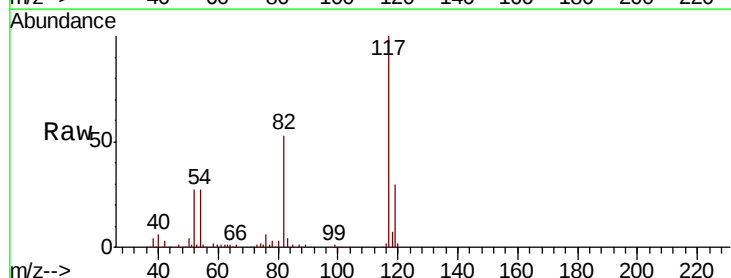
Tgt Ion: 117 Resp: 484683

Ion Ratio Lower Upper

117 100

82 53.3 40.4 60.6

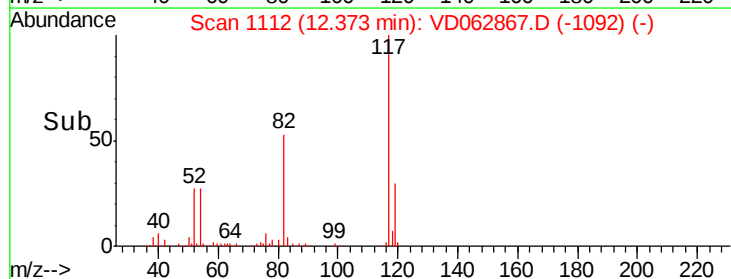
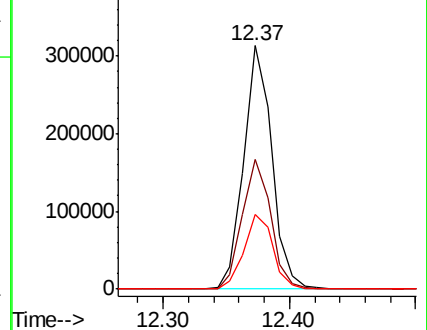
119 30.4 25.2 37.8

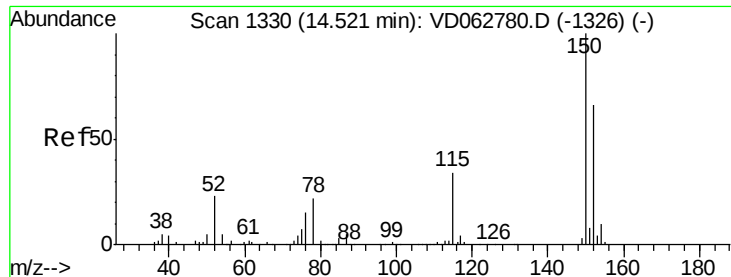


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062867.D

Acq: 25 Jun 2019 6:10

Instrument :

MSVOA_D

ClientSampleId :

BAT-B07

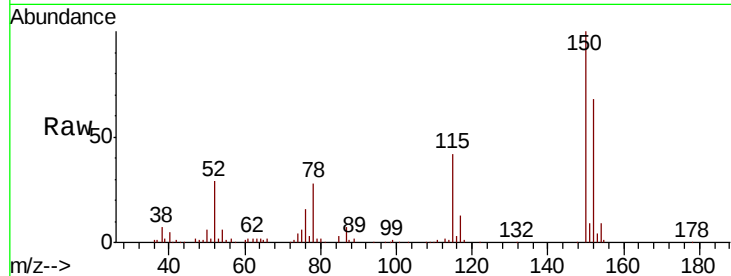
Tot Ion:152 Resp: 179701

Ion Ratio Lower Upper

152 100

115 61.6 29.2 87.6

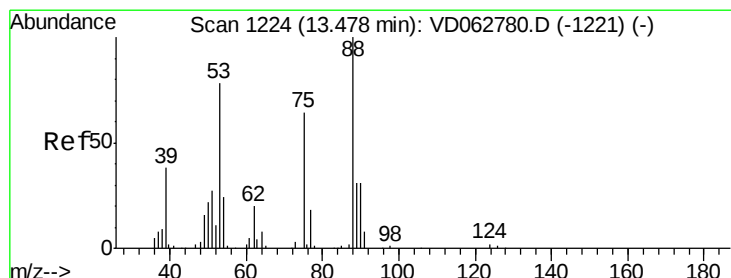
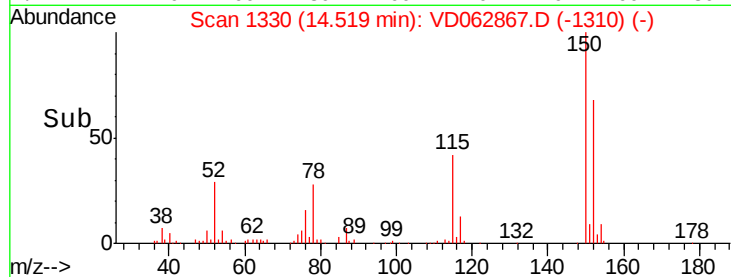
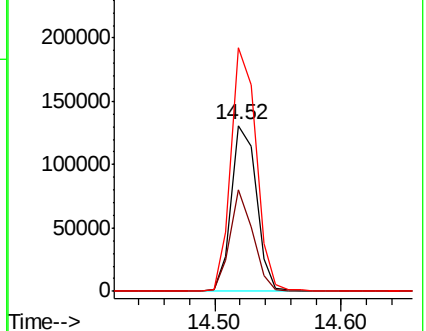
150 146.7 0.0 305.8



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: 205.297 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062867.D

Acq: 25 Jun 2019 6:10

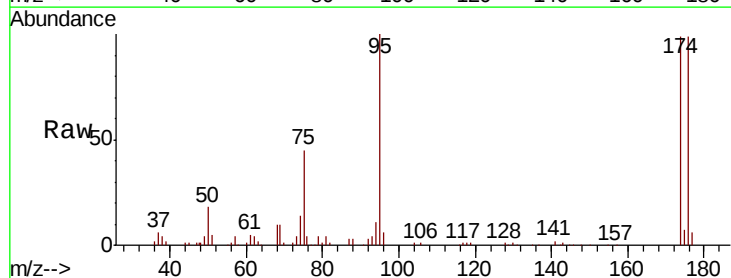
Tgt Ion: 75 Resp: 111620

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

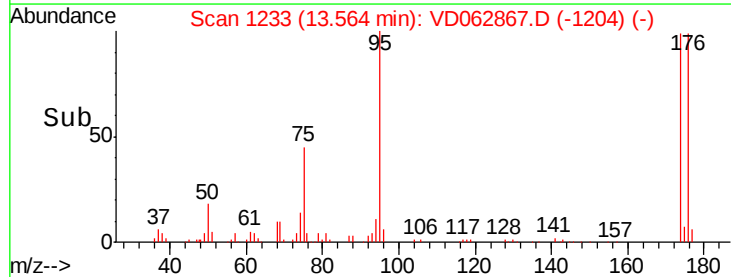
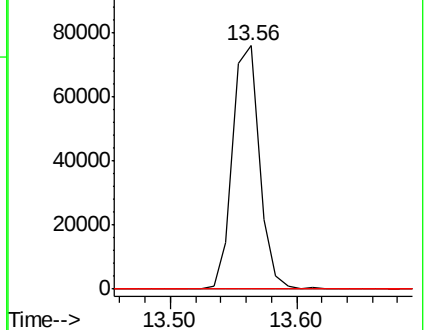
89 0.0 39.4 59.2#

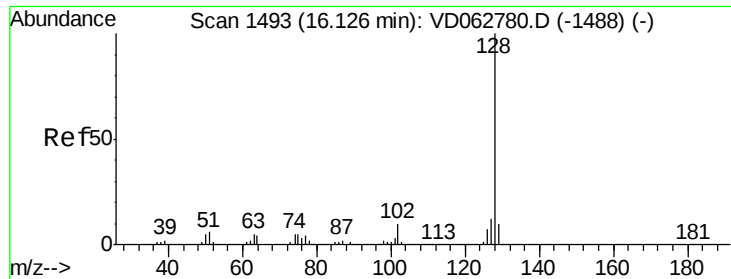


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Naphthalene

Concen: 5.459 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD062867.D

Acq: 25 Jun 2019 6:10

Instrument :

MSVOA_D

ClientSampleId :

BAT-B07

Tot Ion:128 Resp: 28407

Ion Ratio Lower Upper

128 100

127 15.0 9.7 14.5#

129 9.9 8.3 12.5

