

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062864.D
 Acq On : 25 Jun 2019 4:48
 Operator : VA/AP
 Sample : K3155-04
 Misc : 5.21g/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B06

Quant Time: Jun 25 06:46:02 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	736224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1060142	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	869079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	439860	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	391499	48.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.84%	
35) Dibromofluoromethane	6.93	113	413735	46.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.56%	
50) Toluene-d8	10.41	98	820438	42.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.34%	
62) 4-Bromofluorobenzene	13.56	95	374170	42.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.60%	

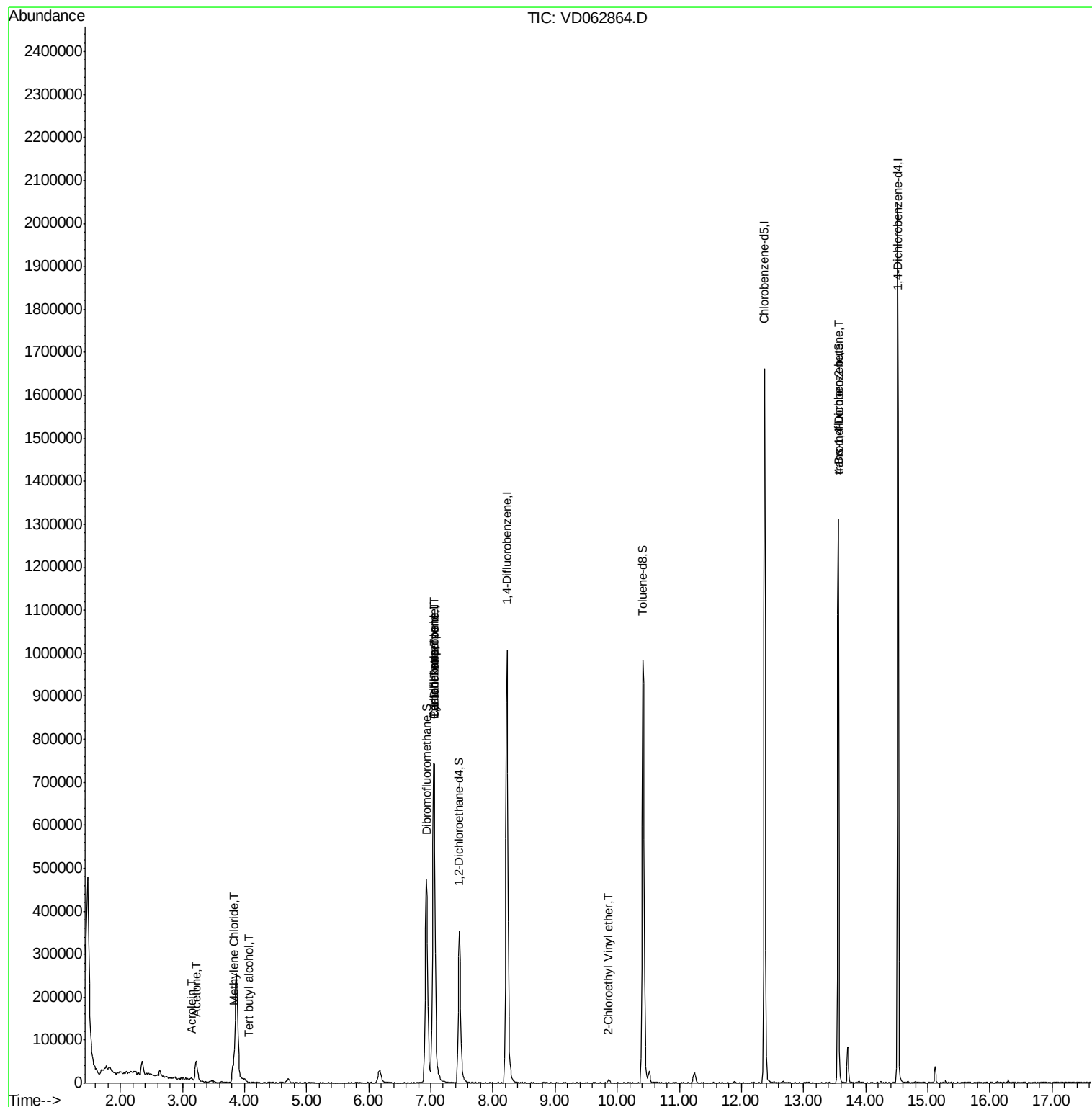
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	1316	3.611	ug/l #	77
13) Acrolein	3.16	56	390	1.048	ug/l #	15
16) Acetone	3.23	43	107339	60.849	ug/l #	82
20) Methylene Chloride	3.83	84	22358	3.663	ug/l #	90
31) Cyclohexane	7.05	56	15804	2.103	ug/l #	15
36) 1,1-Dichloropropene	7.05	75	60570	6.035	ug/l #	54
37) Ethyl Acetate	6.19	43	1231	Below Cal	#	1
38) Carbon Tetrachloride	7.05	117	75807	5.023	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.86	63	2847	1.115	ug/l #	77
81) trans-1,4-Dichloro-2-buten	13.56	75	180223	135.421	ug/l #	2

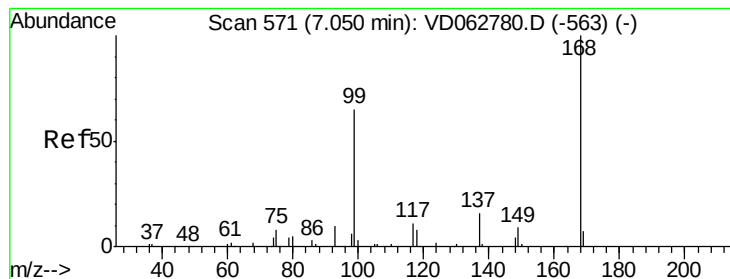
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
Data File : VD062864.D
Acq On : 25 Jun 2019 4:48
Operator : VA/AP
Sample : K3155-04
Misc : 5.21a/5ml/MSVOA D/SOIL
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Instrument :
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ClientSampleId :
BAT-B06

Quant Time: Jun 25 06:46:02 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: VD062864.D

Acq: 25 Jun 2019 4:48

Instrument :

MSVOA_D

ClientSampleId :

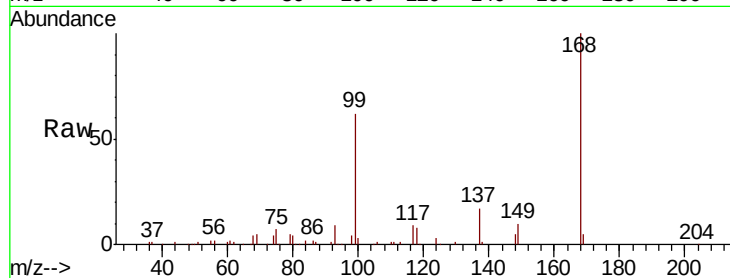
BAT-B06

Tot Ion:168 Resp: 736224

Ion Ratio Lower Upper

168 100

99 62.1 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

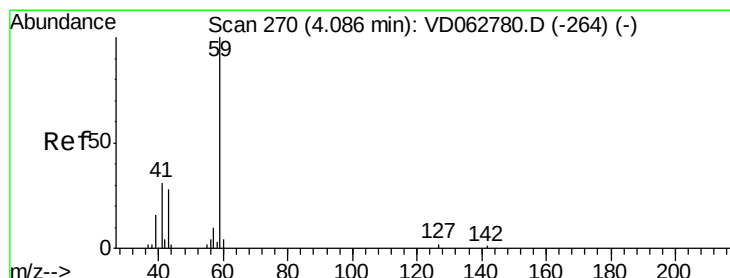
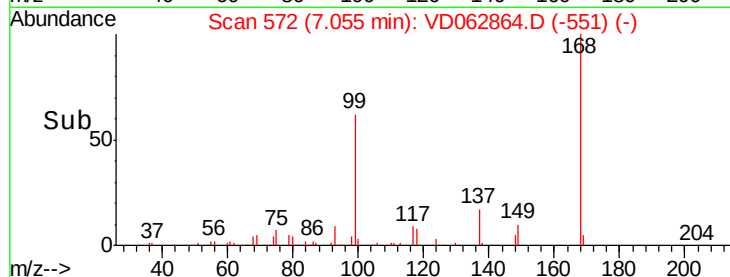
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 3.611 ug/l

RT: 4.07 min Scan# 269

Delta R.T. -0.01 min

Lab File: VD062864.D

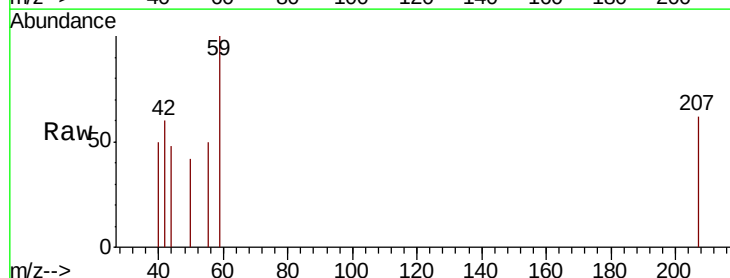
Acq: 25 Jun 2019 4:48

Tgt Ion: 59 Resp: 1316

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

4.07

800

600

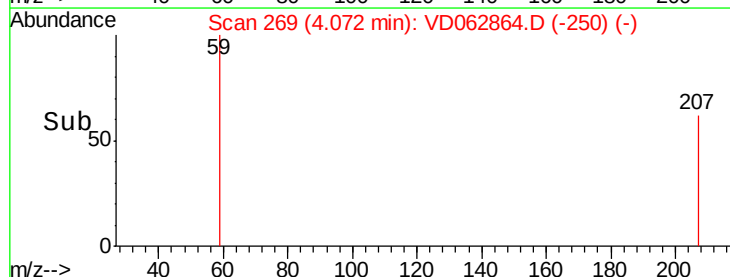
400

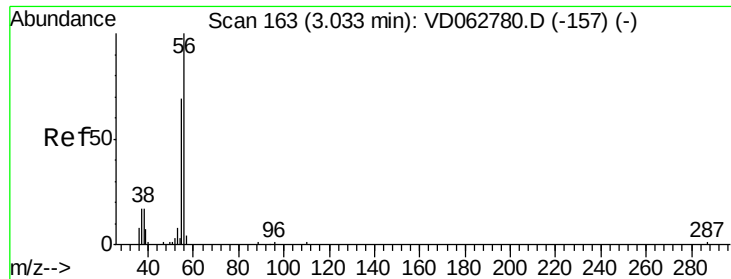
200

0

Time-->

4.05 4.10 4.15





#13

Acrolein

Concen: 1.048 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.12 min

Lab File: VD062864.D

Acq: 25 Jun 2019 4:48

Instrument :

MSVOA_D

ClientSampleId :

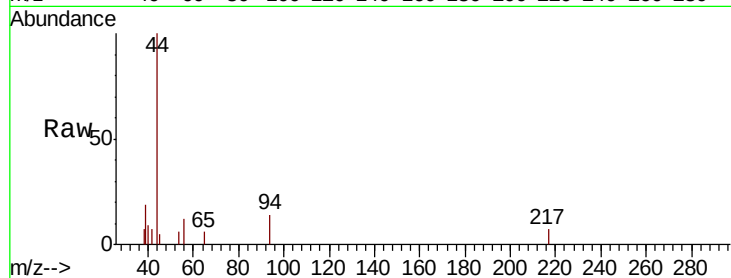
BAT-B06

Tot Ion: 56 Resp: 390

Ion Ratio Lower Upper

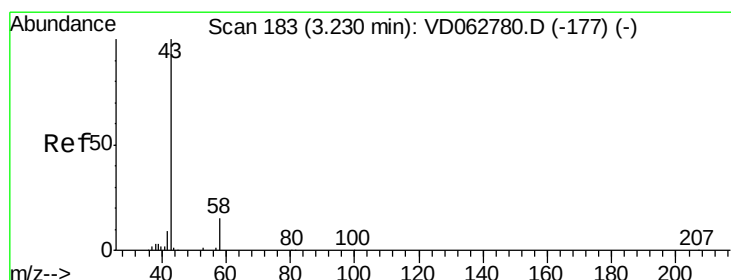
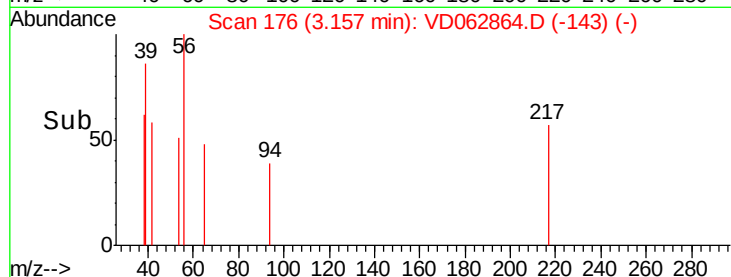
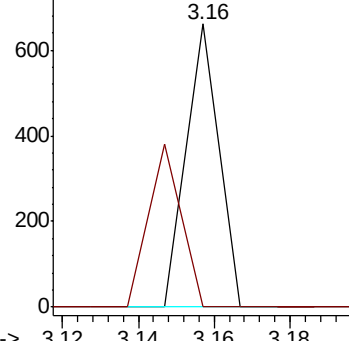
56 100

55 0.0 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 60.849 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062864.D

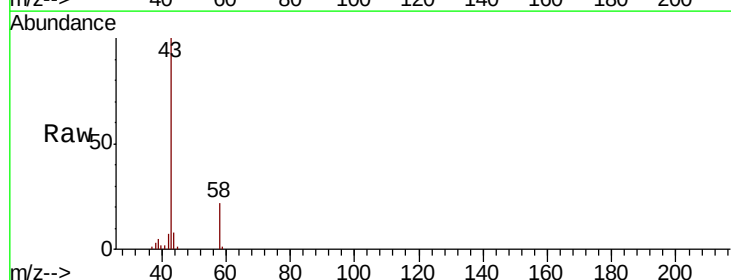
Acq: 25 Jun 2019 4:48

Tgt Ion: 43 Resp: 107339

Ion Ratio Lower Upper

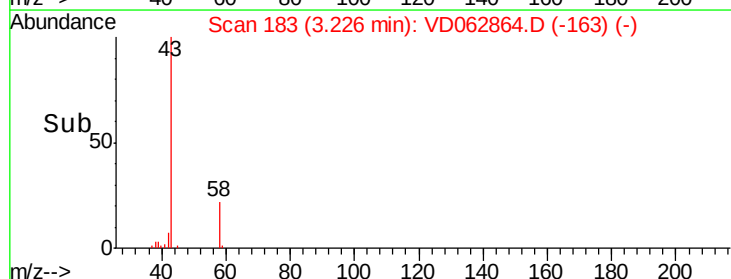
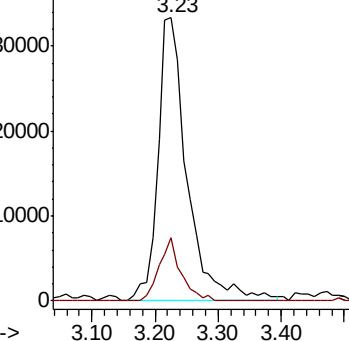
43 100

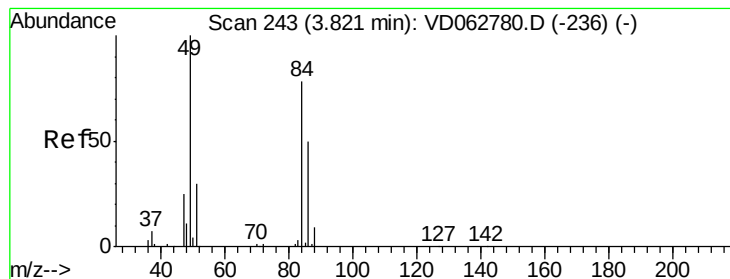
58 22.4 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 3.663 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD062864.D

Acq: 25 Jun 2019 4:48

Instrument :

MSVOA_D

ClientSampleId :

BAT-B06

Tot Ion: 84 Resp: 22358

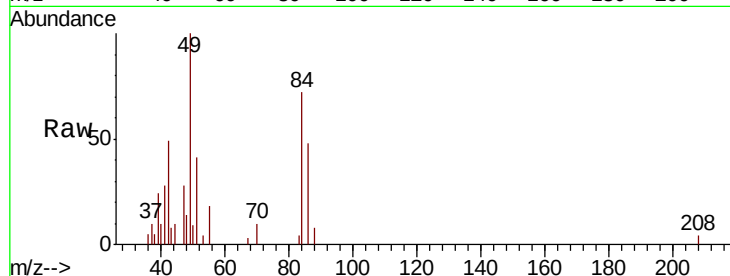
Ion Ratio Lower Upper

84 100

49 138.5 102.9 154.3

51 56.4 31.2 46.8#

86 66.7 51.4 77.2

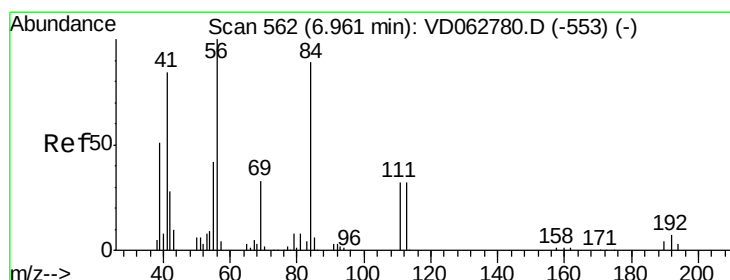
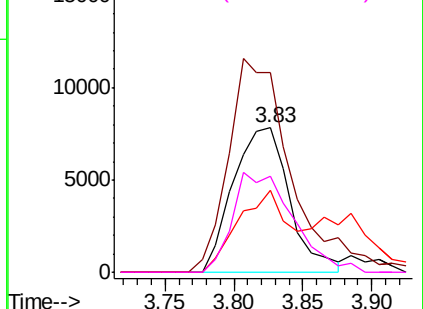
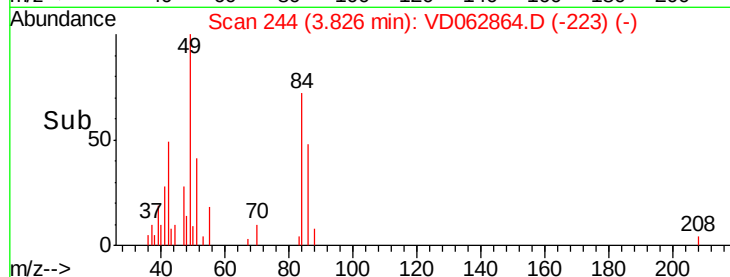


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#31

Cyclohexane

Concen: 2.103 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.08 min

Lab File: VD062864.D

Acq: 25 Jun 2019 4:48

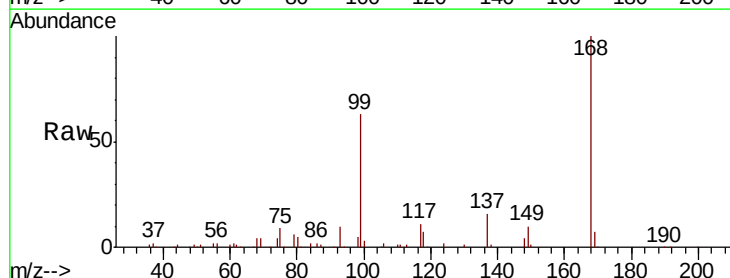
Tgt Ion: 56 Resp: 15804

Ion Ratio Lower Upper

56 100

69 171.6 26.6 39.8#

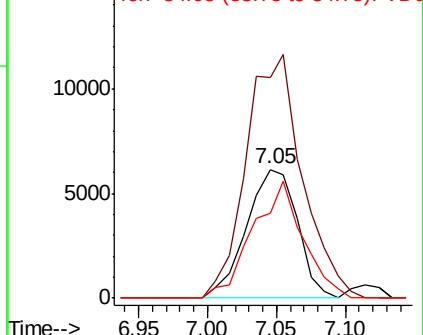
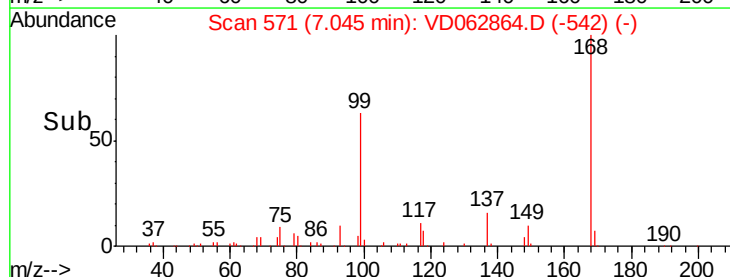
84 66.1 75.5 113.3#

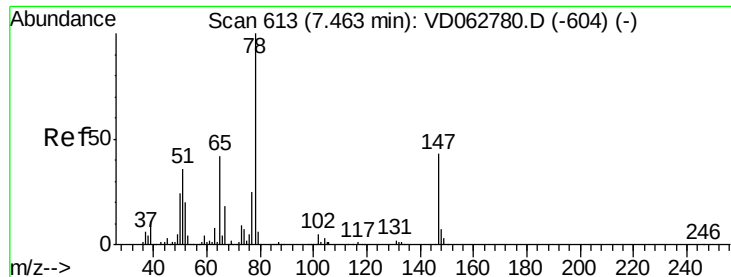


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 48.921 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062864.D

Acq: 25 Jun 2019 4:48

Instrument :

MSVOA_D

ClientSampleId :

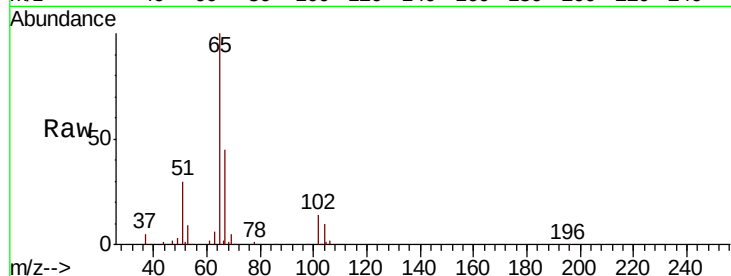
BAT-B06

Tot Ion: 65 Resp: 391499

Ion Ratio Lower Upper

65 100

67 44.9 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

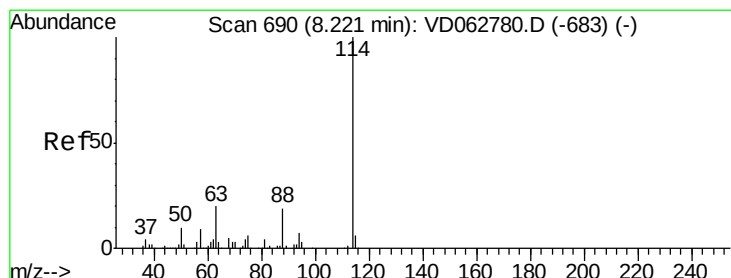
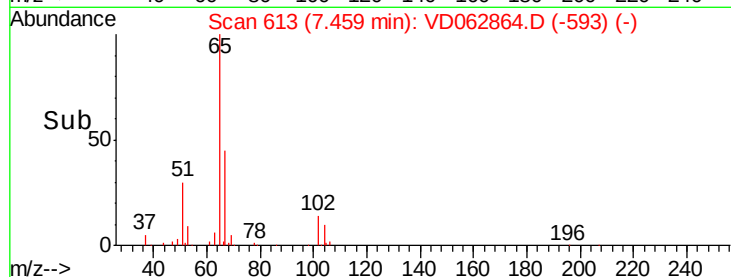
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062864.D

Acq: 25 Jun 2019 4:48

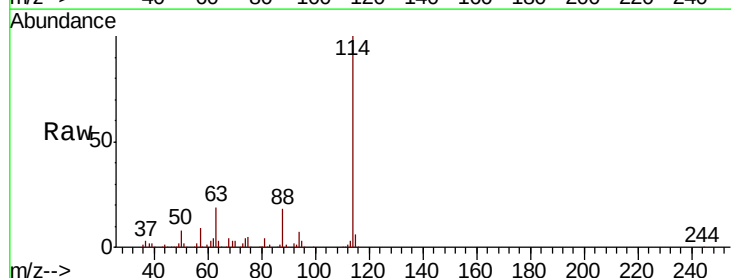
Tgt Ion: 114 Resp: 1060142

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

88 17.5 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

600000

500000

400000

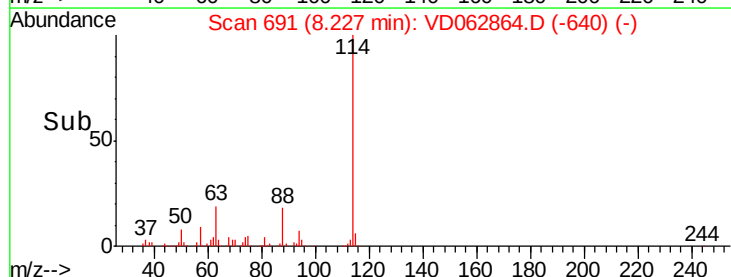
300000

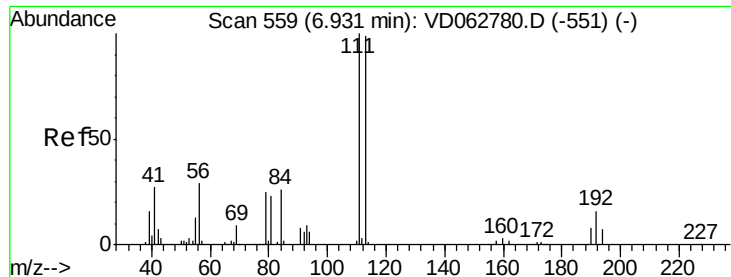
200000

100000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 46.284 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062864.D

Acq: 25 Jun 2019 4:48

Instrument :

MSVOA_D

ClientSampleId :

BAT-B06

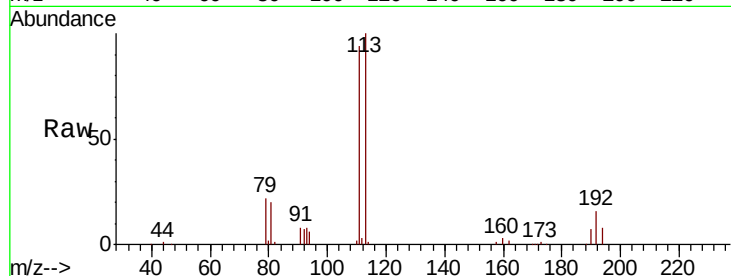
Tot Ion:113 Resp: 413735

Ion Ratio Lower Upper

113 100

111 93.6 81.2 121.8

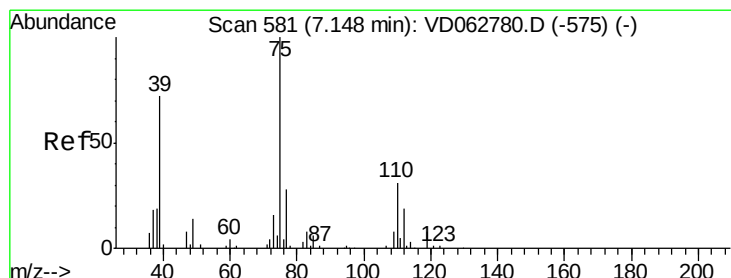
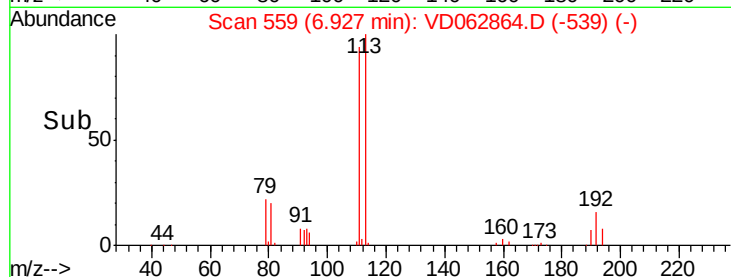
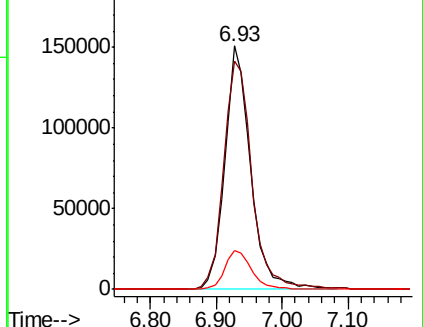
192 16.2 12.9 19.3



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: 6.035 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062864.D

Acq: 25 Jun 2019 4:48

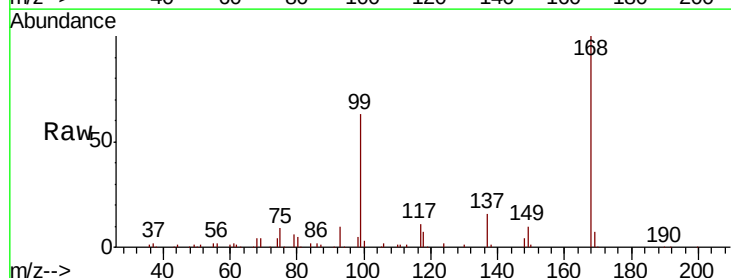
Tgt Ion: 75 Resp: 60570

Ion Ratio Lower Upper

75 100

110 8.5 15.0 45.1#

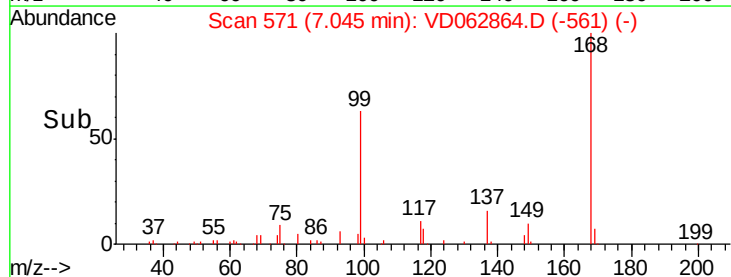
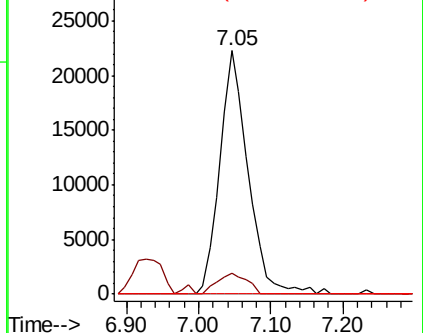
77 0.0 22.2 33.2#

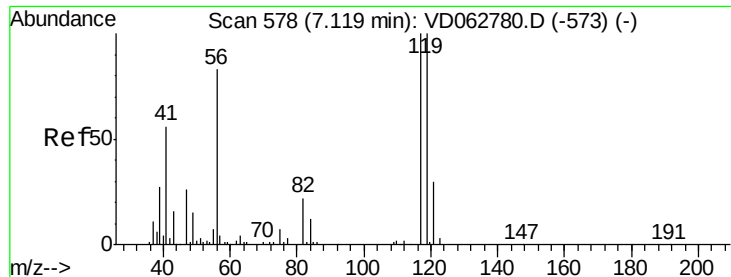


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

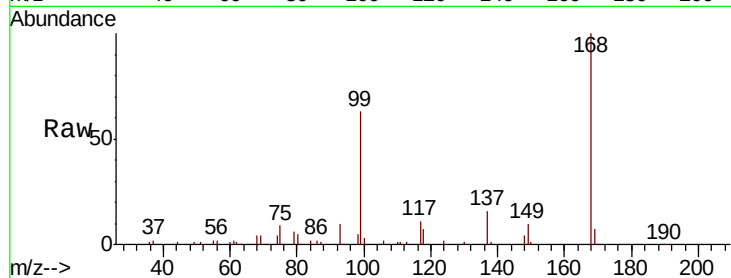




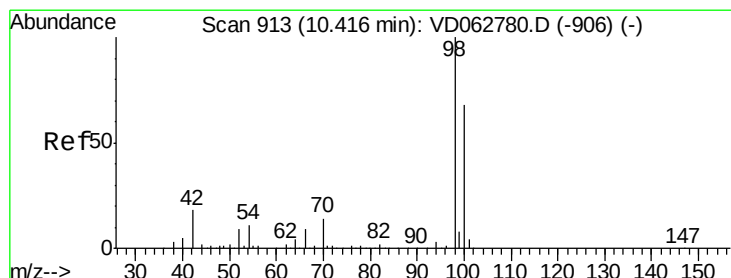
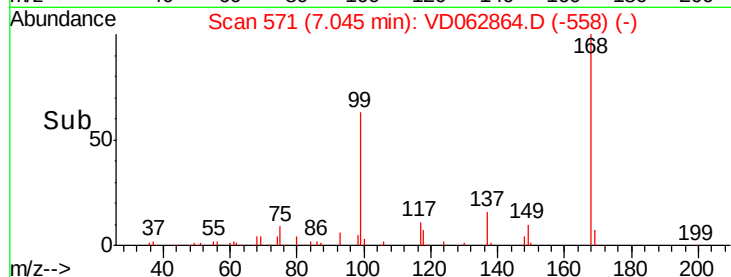
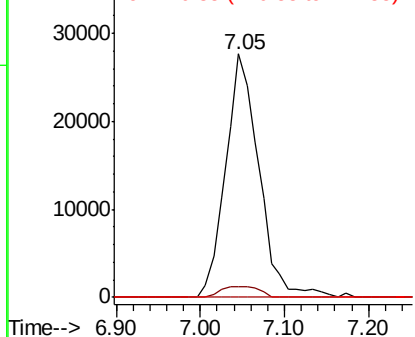
#38
Carbon Tetrachloride
Concen: 5.023 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD062864.D
Acq: 25 Jun 2019 4:48

Instrument :
MSVOA_D
ClientSampleId :
BAT-B06

Tot Ion:117 Resp: 75807
Ion Ratio Lower Upper
117 100
119 4.4 75.4 113.2#
121 0.0 22.3 33.5#

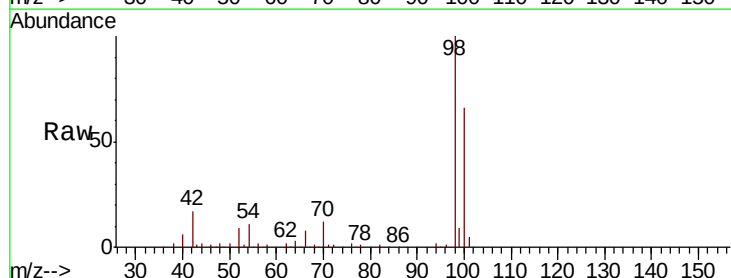


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

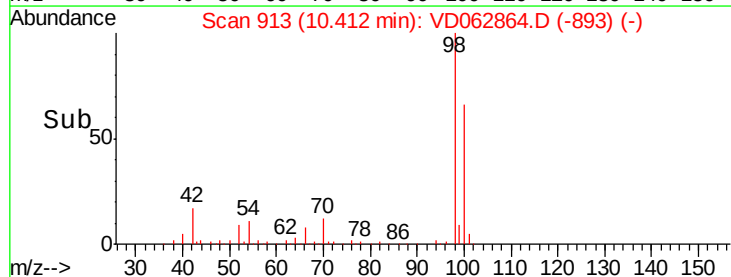
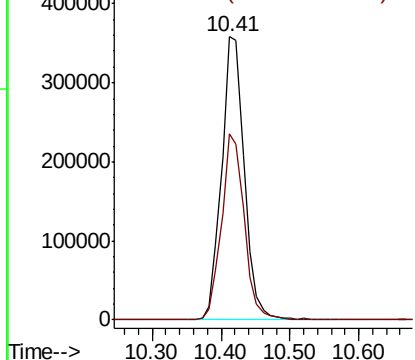


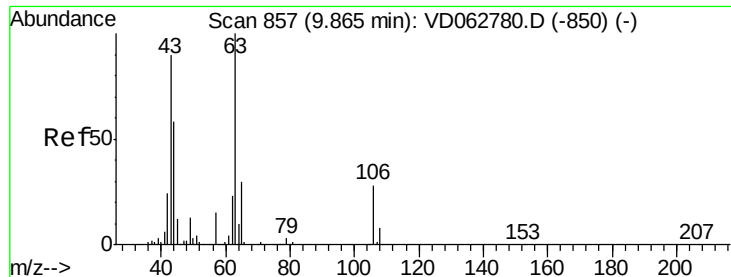
#50
Toluene-d8
Concen: 42.170 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062864.D
Acq: 25 Jun 2019 4:48

Tgt Ion: 98 Resp: 820438
Ion Ratio Lower Upper
98 100
100 65.9 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V





#58

2-Chloroethyl Vinyl ether

Concen: 1.115 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD062864.D

Acq: 25 Jun 2019 4:48

Instrument :

MSVOA_D

ClientSampleId :

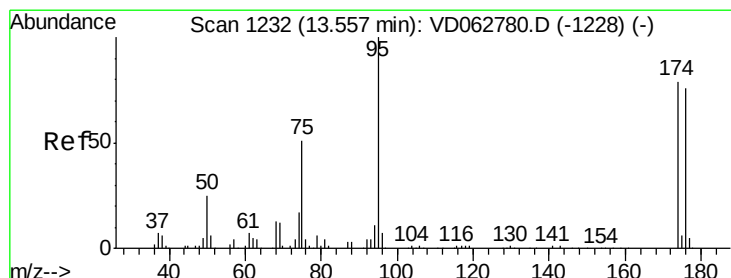
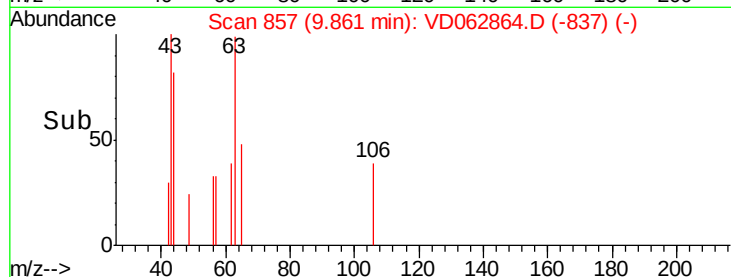
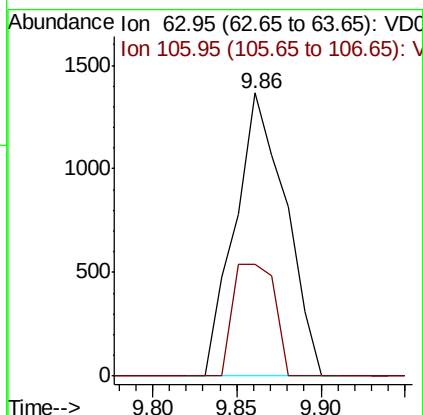
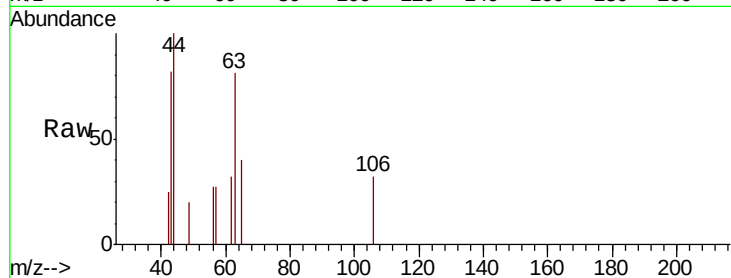
BAT-B06

Tot Ion: 63 Resp: 2847

Ion Ratio Lower Upper

63 100

106 39.5 22.1 33.1#



#62

4-Bromofluorobenzene

Concen: 42.295 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062864.D

Acq: 25 Jun 2019 4:48

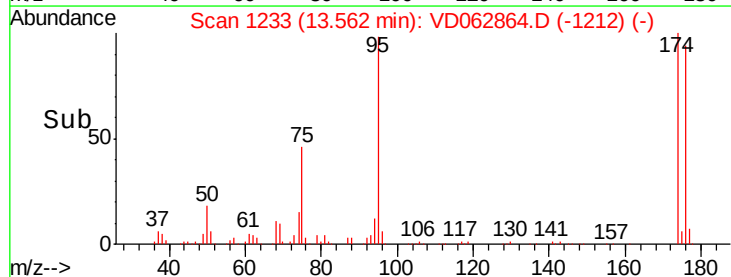
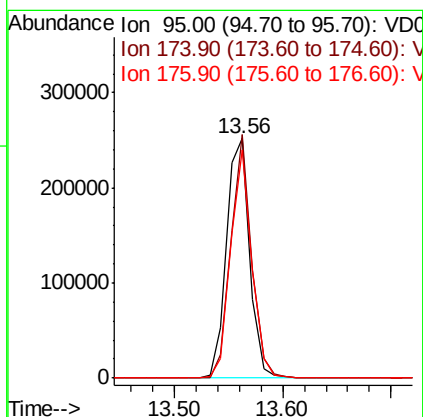
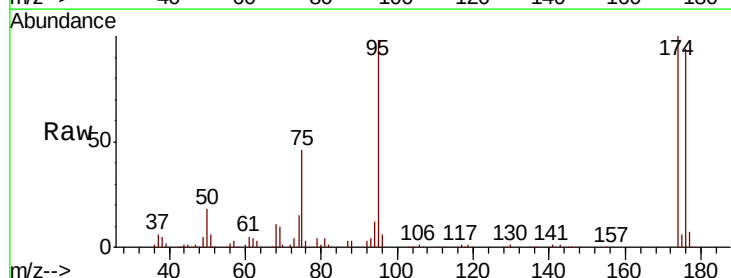
Tgt Ion: 95 Resp: 374170

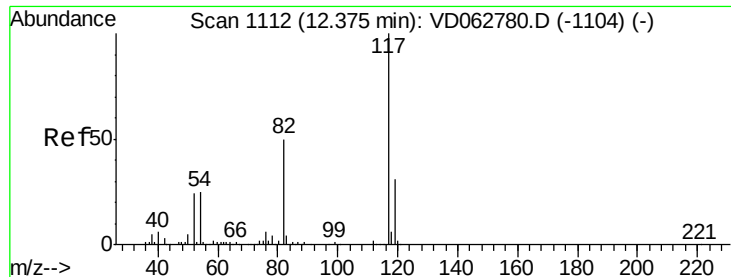
Ion Ratio Lower Upper

95 100

174 101.8 0.0 158.0

176 95.2 0.0 151.6

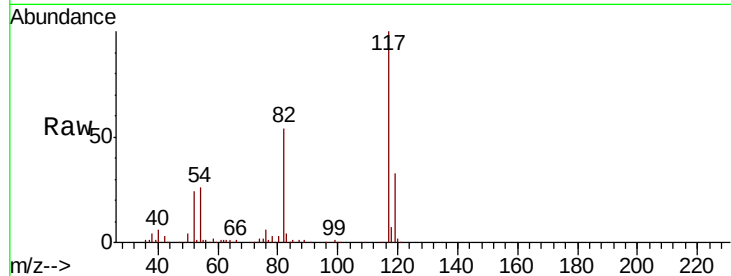




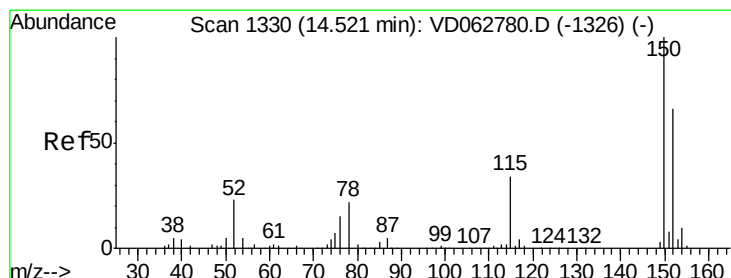
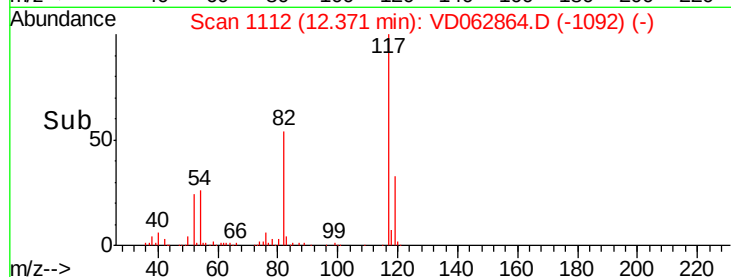
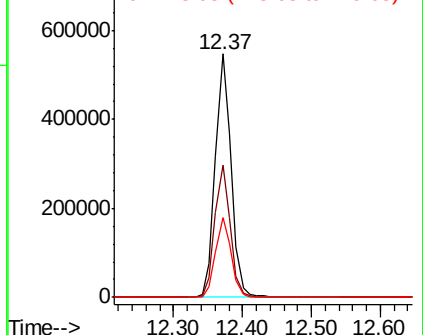
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062864.D
Acq: 25 Jun 2019 4:48

Instrument :
MSVOA_D
ClientSampleId :
BAT-B06

Tot Ion:117 Resp: 869079
Ion Ratio Lower Upper
117 100
82 54.2 40.4 60.6
119 32.9 25.2 37.8

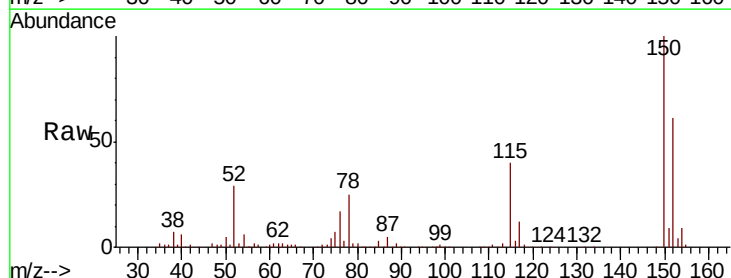


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

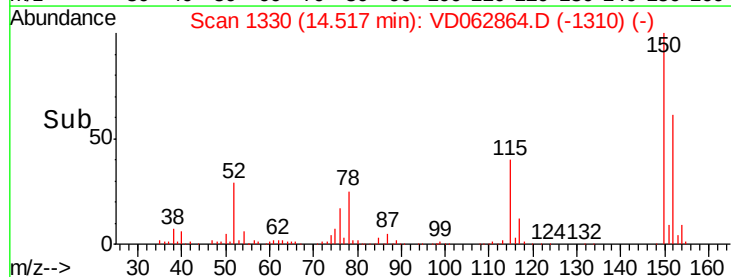
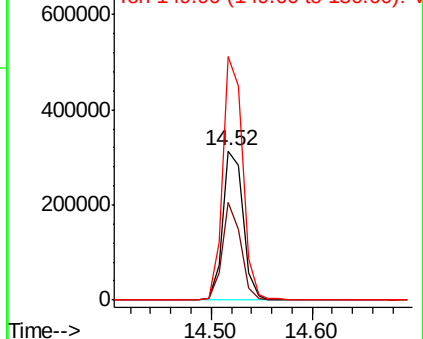


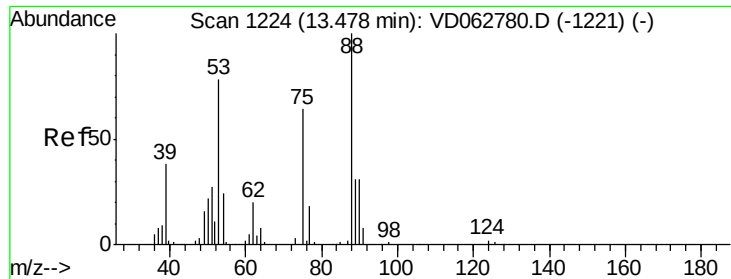
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062864.D
Acq: 25 Jun 2019 4:48

Tgt Ion:152 Resp: 439860
Ion Ratio Lower Upper
152 100
115 65.7 29.2 87.6
150 163.1 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: 135.421 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062864.D

Acq: 25 Jun 2019 4:48

Instrument :

MSVOA_D

ClientSampleId :

BAT-B06

Tot Ion: 75 Resp: 180223

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

