

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062863.D
 Acq On : 25 Jun 2019 4:21
 Operator : VA/AP
 Sample : K3155-02
 Misc : 4.94g/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B11

Quant Time: Jun 25 05:08:47 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	755557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1079776	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	885879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	454230	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	382400	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
35) Dibromofluoromethane	6.93	113	443778	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
50) Toluene-d8	10.42	98	1023320	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	13.56	95	411457	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	

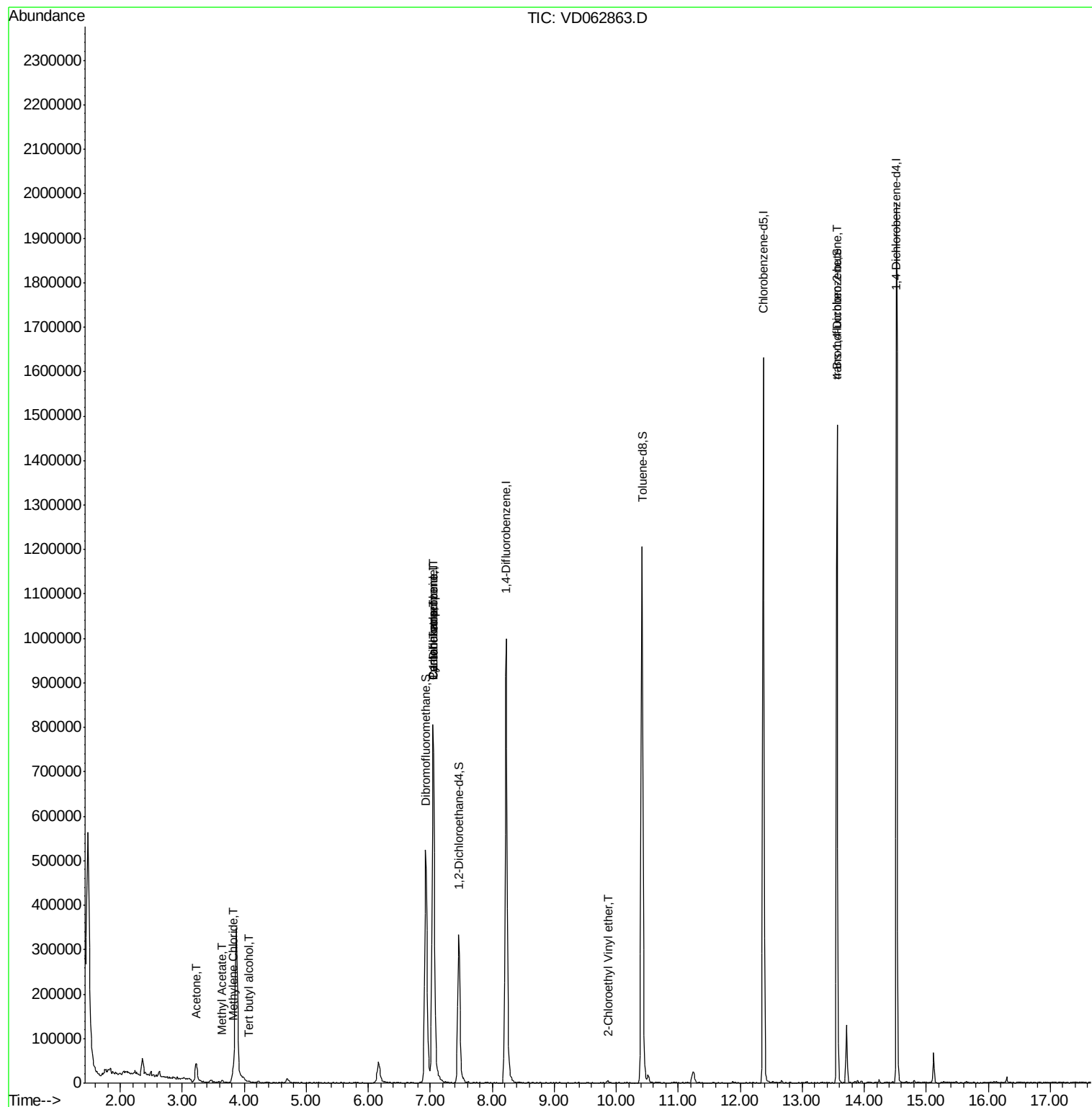
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.08	59	1611	4.307	ug/l #	77
16) Acetone	3.22	43	92378	49.866	ug/l	99
18) Methyl Acetate	3.65	43	8861	3.574	ug/l	95
20) Methylene Chloride	3.82	84	15384	2.456	ug/l #	79
31) Cyclohexane	7.05	56	17166	2.226	ug/l #	13
36) 1,1-Dichloropropene	7.06	75	56395	5.517	ug/l #	51
37) Ethyl Acetate	6.17	43	3092	Below Cal	#	12
38) Carbon Tetrachloride	7.05	117	74742	4.862	ug/l #	13
58) 2-Chloroethyl Vinyl ether	9.87	63	3022	1.162	ug/l #	47
81) trans-1,4-Dichloro-2-buten	13.56	75	199730	145.331	ug/l #	2

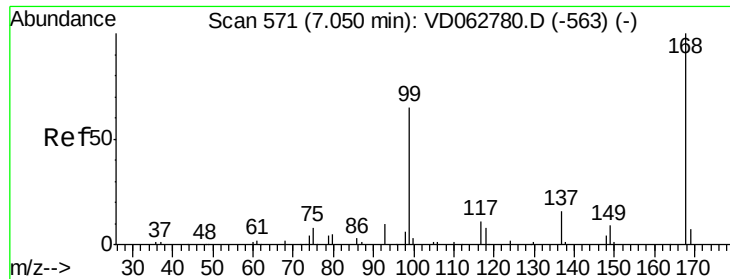
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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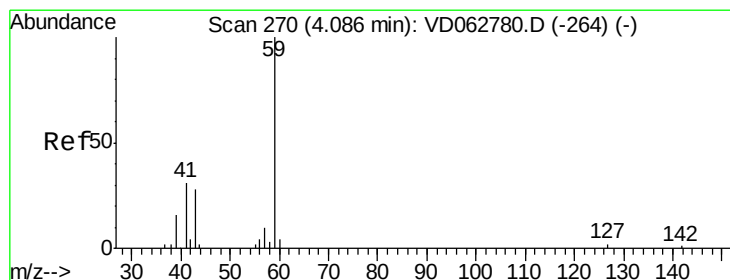
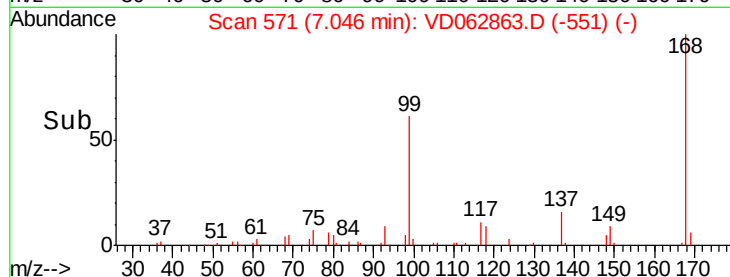
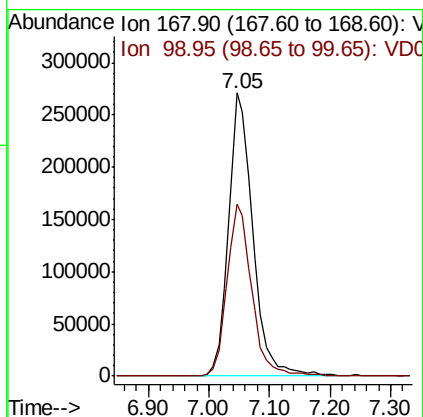
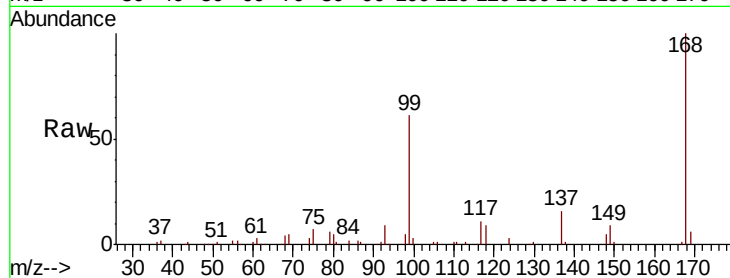




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.00 min
Lab File: VD062863.D
Acq: 25 Jun 2019 4:21

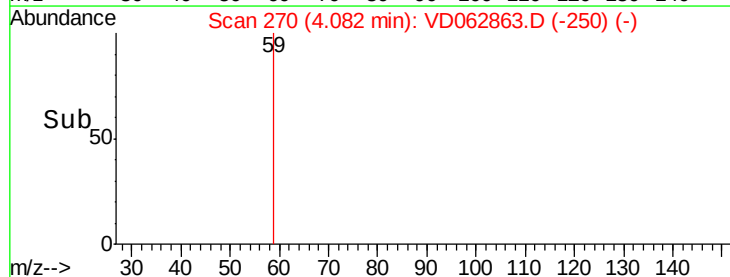
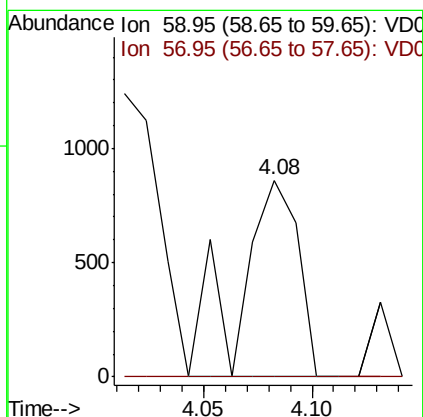
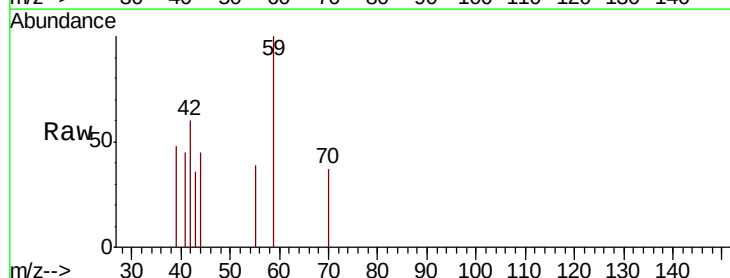
Instrument :
MSVOA_D
ClientSampleId :
BAT-B11

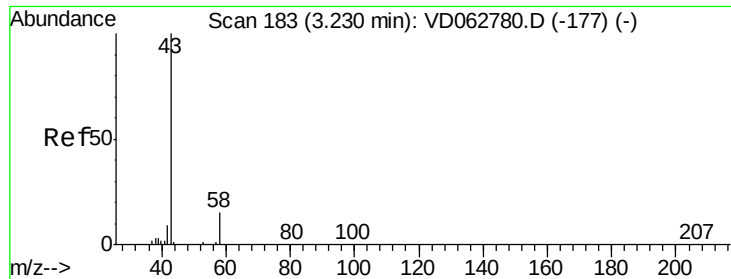
Tot Ion:168 Resp: 755557
Ion Ratio Lower Upper
168 100
99 60.9 53.0 79.6



#11
Tert butyl alcohol
Concen: 4.307 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.00 min
Lab File: VD062863.D
Acq: 25 Jun 2019 4:21

Tgt Ion: 59 Resp: 1611
Ion Ratio Lower Upper
59 100
57 0.0 6.6 10.0#





#16

Acetone

Concen: 49.866 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062863.D

Acq: 25 Jun 2019 4:21

Instrument :

MSVOA_D

ClientSampleId :

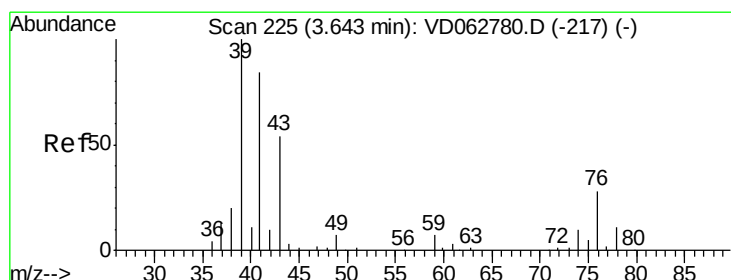
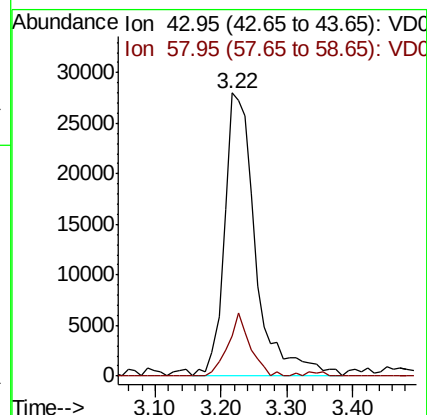
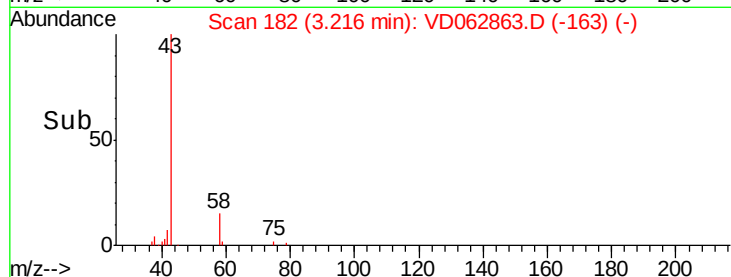
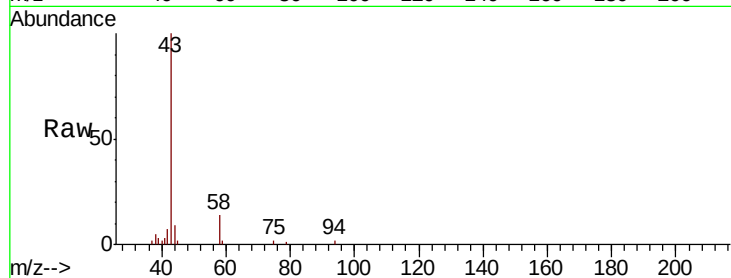
BAT-B11

Tot Ion: 43 Resp: 92378

Ion Ratio Lower Upper

43 100

58 14.4 11.9 17.9



#18

Methyl Acetate

Concen: 3.574 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062863.D

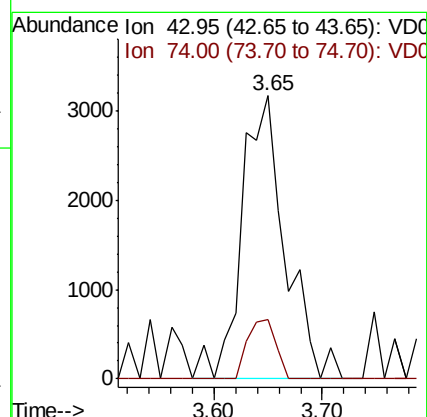
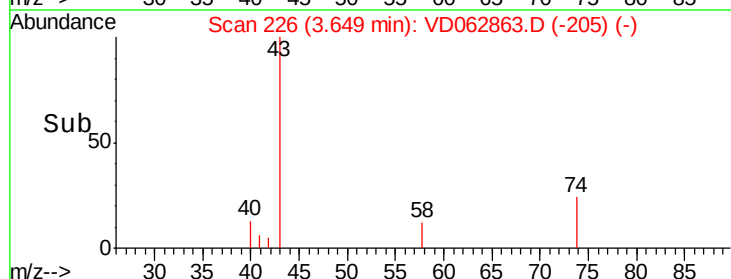
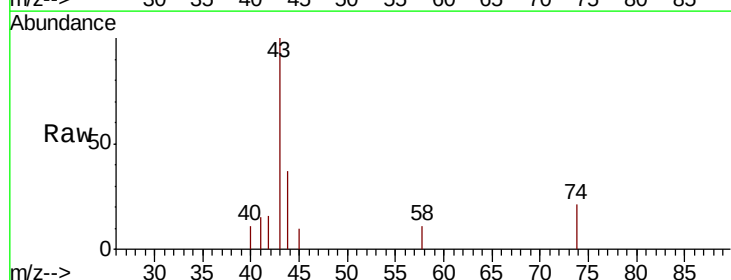
Acq: 25 Jun 2019 4:21

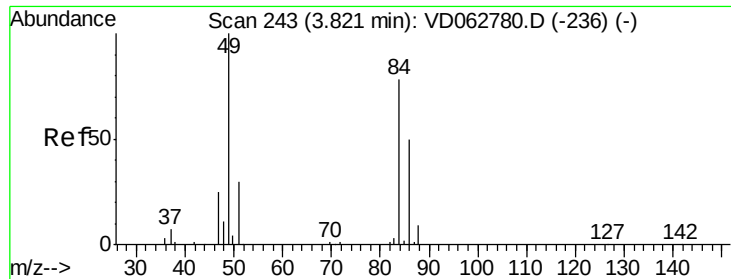
Tgt Ion: 43 Resp: 8861

Ion Ratio Lower Upper

43 100

74 21.0 15.2 22.8

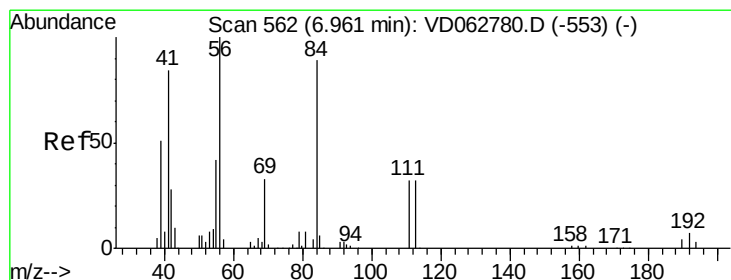
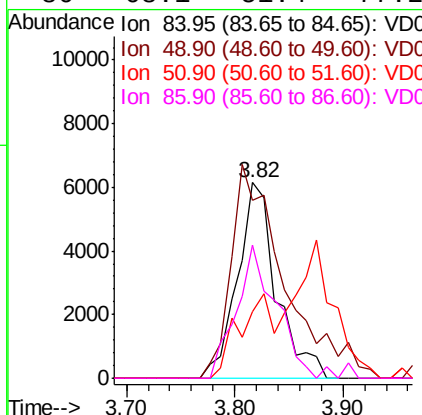
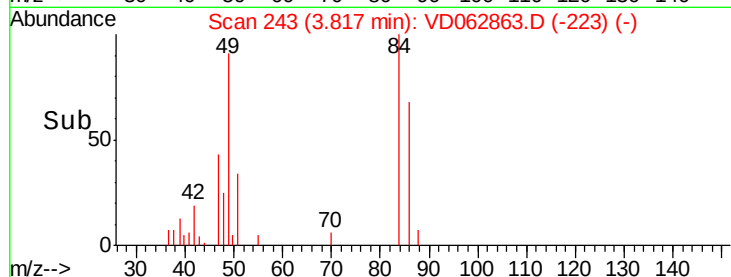
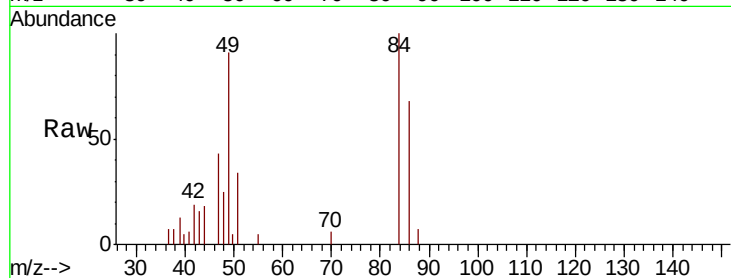




#20
Methylene Chloride
Concen: 2.456 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062863.D
Acq: 25 Jun 2019 4:21

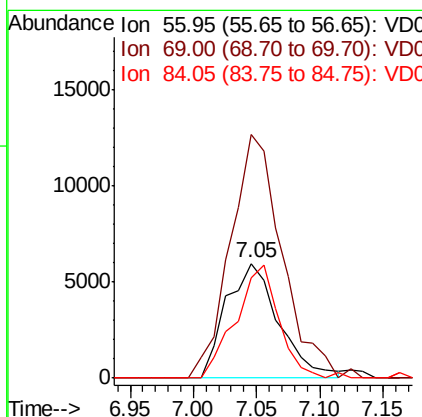
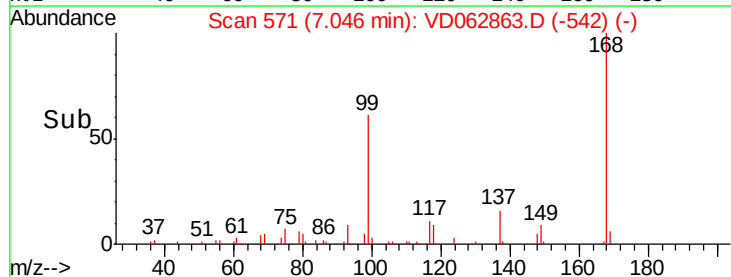
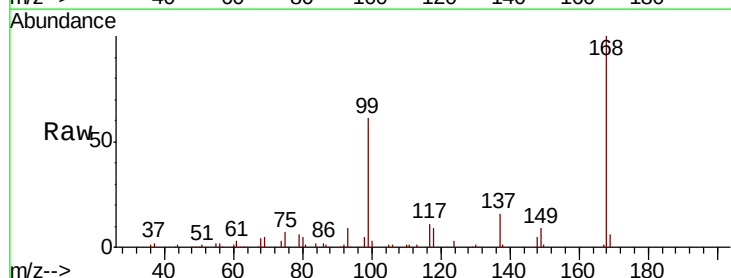
Instrument :
MSVOA_D
ClientSampleId :
BAT-B11

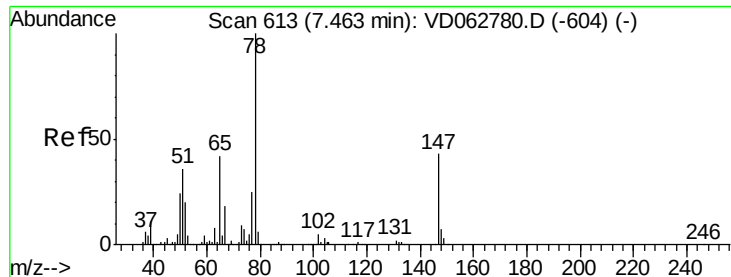
Tot Ion: 84 Resp: 15384
Ion Ratio Lower Upper
84 100
49 90.8 102.9 154.3#
51 33.9 31.2 46.8
86 68.1 51.4 77.2



#31
Cyclohexane
Concen: 2.226 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.08 min
Lab File: VD062863.D
Acq: 25 Jun 2019 4:21

Tgt Ion: 56 Resp: 17166
Ion Ratio Lower Upper
56 100
69 212.2 26.6 39.8#
84 87.6 75.5 113.3

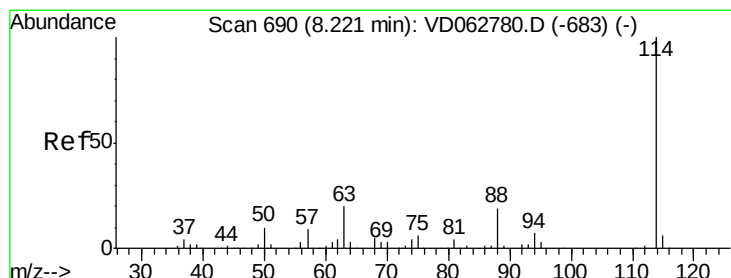
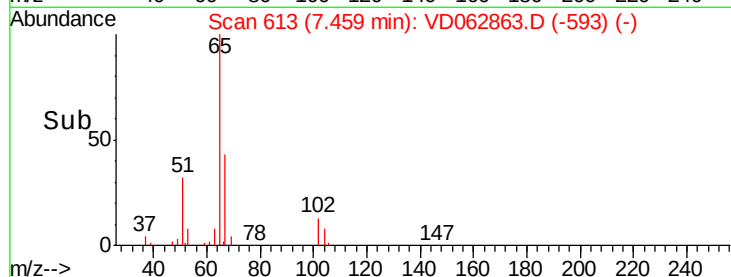
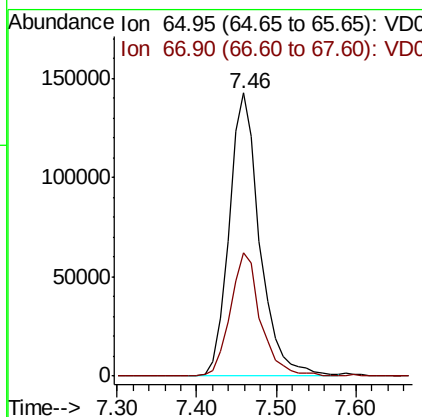
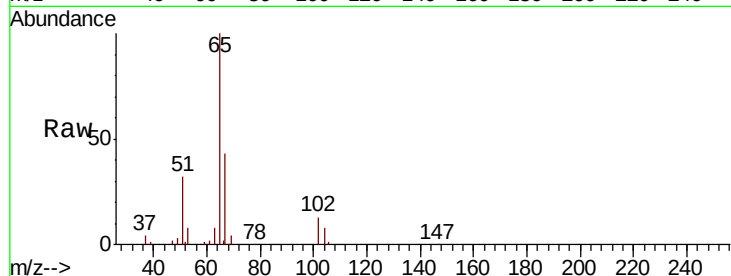




#33
 1,2-Dichloroethane-d4
 Concen: 46.562 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD062863.D
 Acq: 25 Jun 2019 4:21

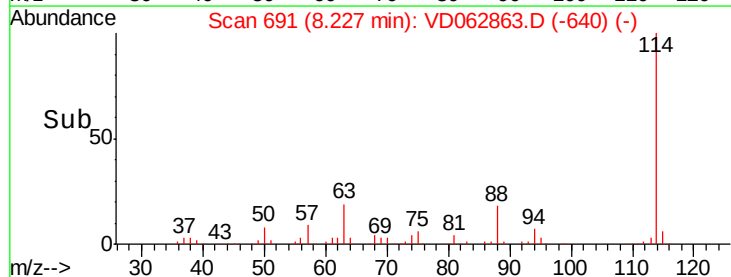
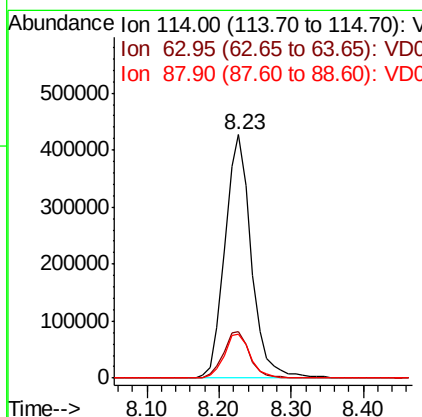
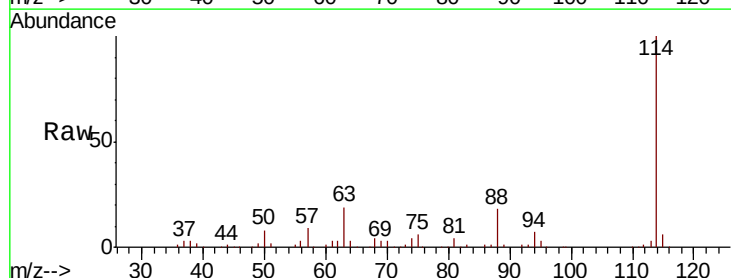
Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B11

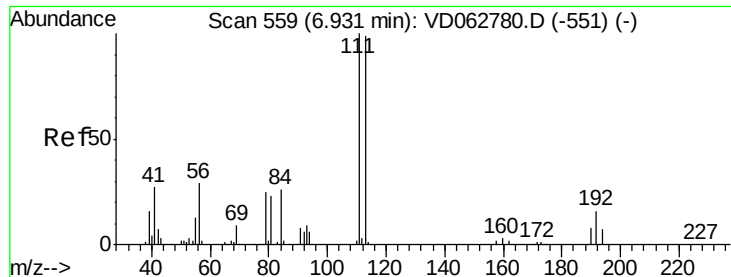
Tot Ion: 65 Resp: 382400
 Ion Ratio Lower Upper
 65 100
 67 43.4 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062863.D
 Acq: 25 Jun 2019 4:21

Tgt Ion: 114 Resp: 1079776
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.0
 88 18.0 0.0 38.8





#35

Dibromofluoromethane

Concen: 48.742 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062863.D

Acq: 25 Jun 2019 4:21

Instrument :

MSVOA_D

ClientSampleId :

BAT-B11

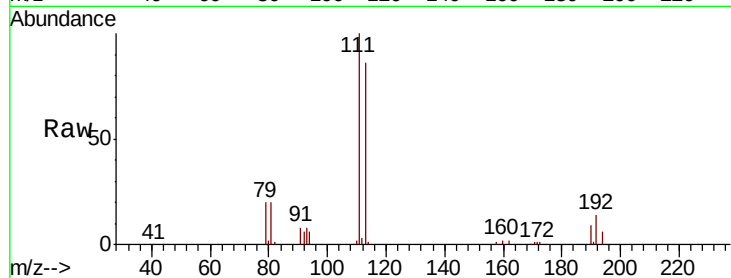
Tot Ion:113 Resp: 443778

Ion Ratio Lower Upper

113 100

111 116.1 81.2 121.8

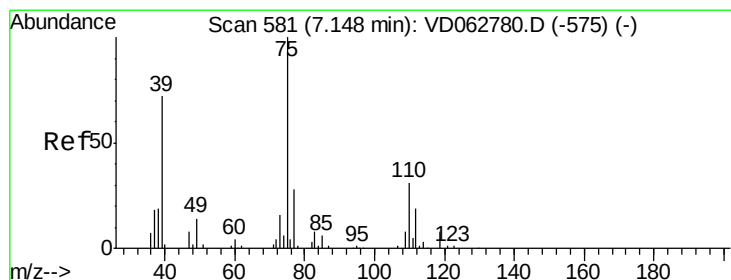
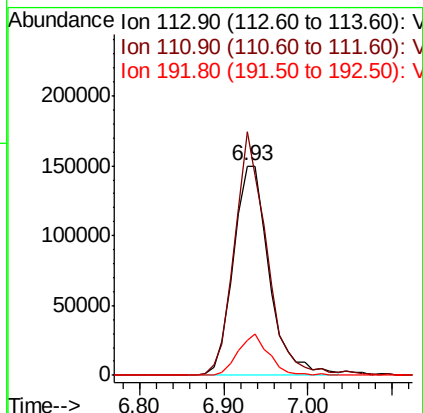
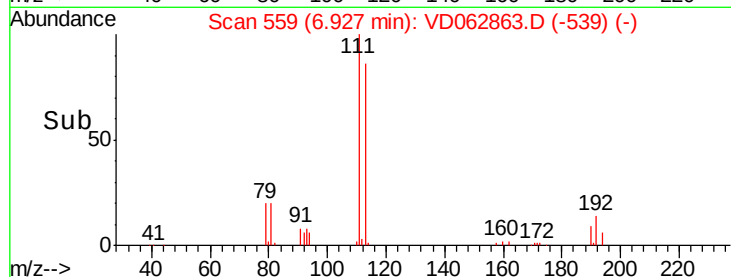
192 16.5 12.9 19.3



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: 5.517 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD062863.D

Acq: 25 Jun 2019 4:21

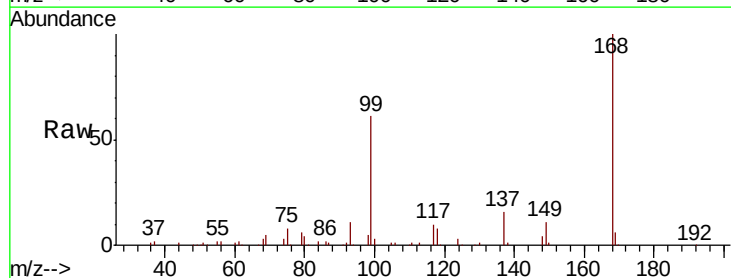
Tgt Ion: 75 Resp: 56395

Ion Ratio Lower Upper

75 100

110 5.7 15.0 45.1#

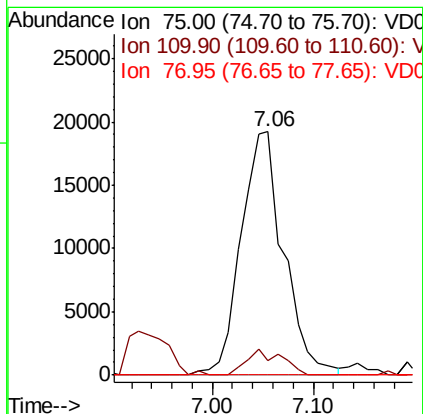
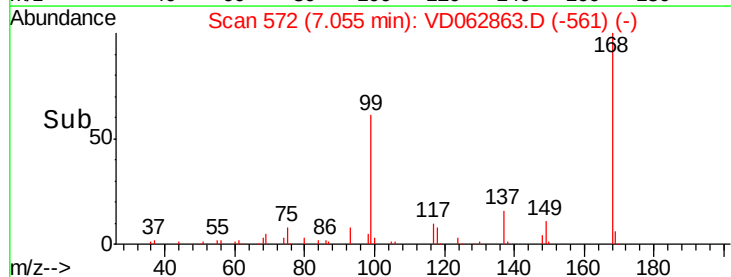
77 0.0 22.2 33.2#

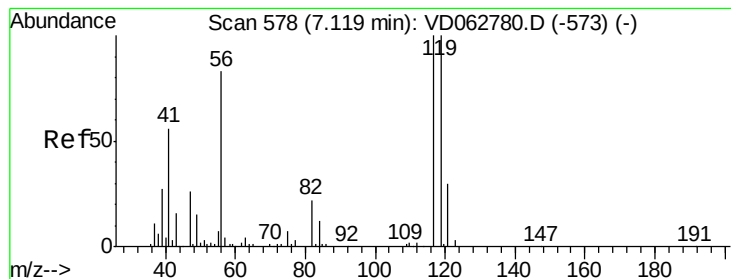


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 4.862 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD062863.D

Acq: 25 Jun 2019 4:21

Instrument :

MSVOA_D

ClientSampleId :

BAT-B11

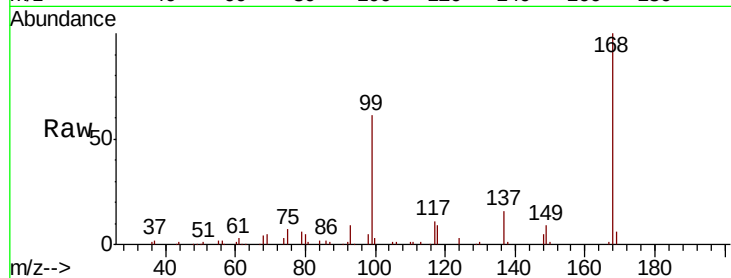
Tot Ion:117 Resp: 74742

Ion Ratio Lower Upper

117 100

119 0.0 75.4 113.2#

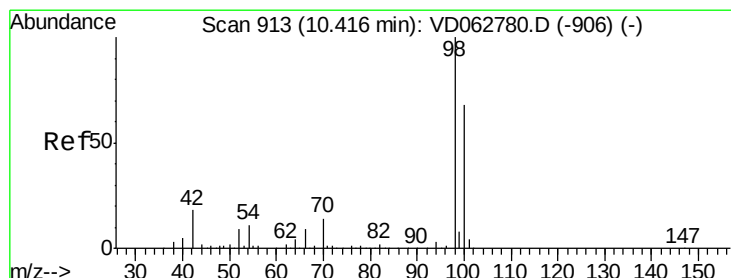
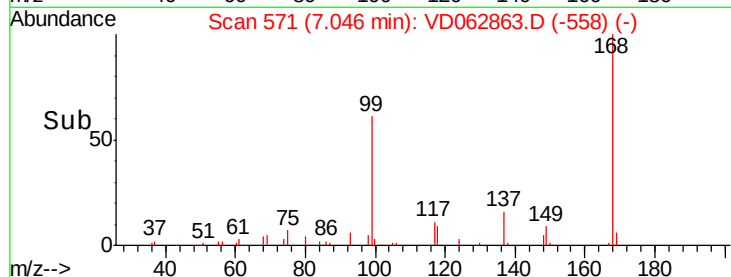
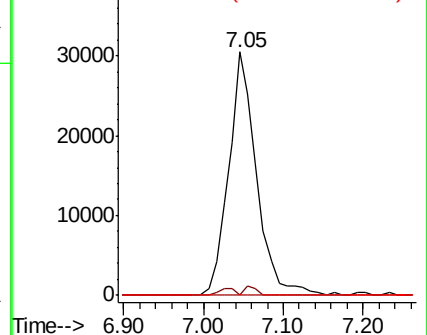
121 0.0 22.3 33.5#



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



#50

Toluene-d8

Concen: 51.641 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD062863.D

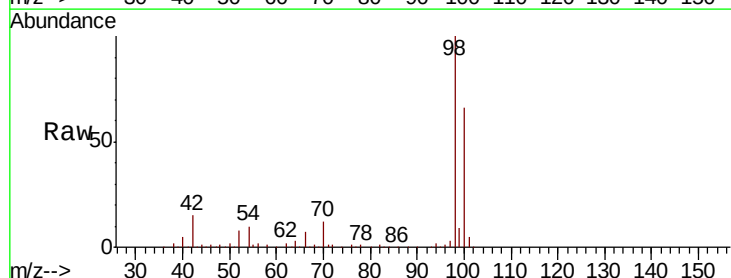
Acq: 25 Jun 2019 4:21

Tgt Ion: 98 Resp: 1023320

Ion Ratio Lower Upper

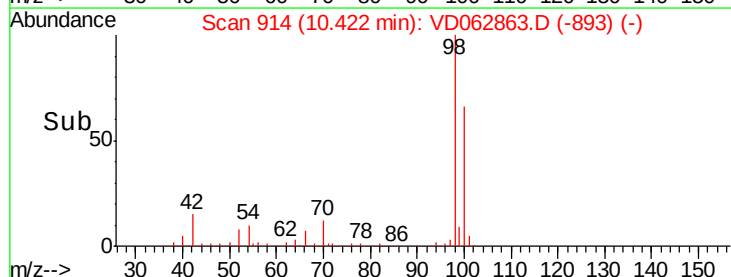
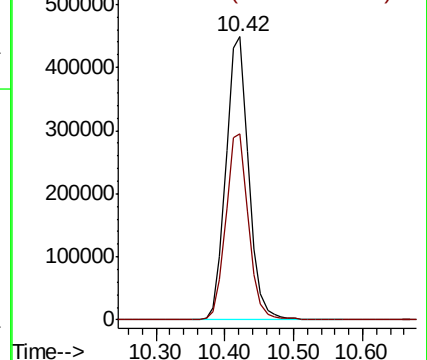
98 100

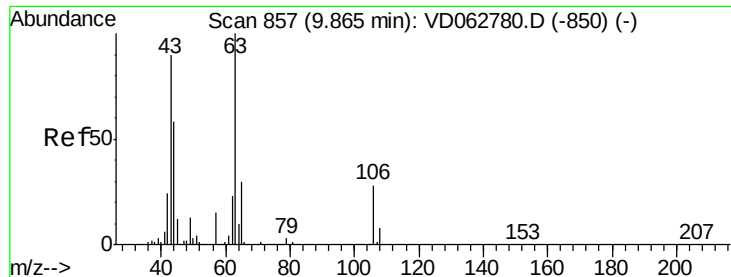
100 66.0 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

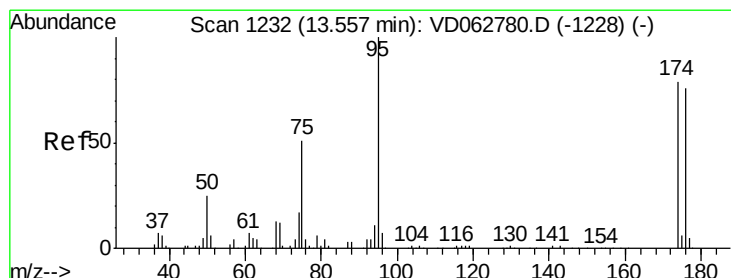
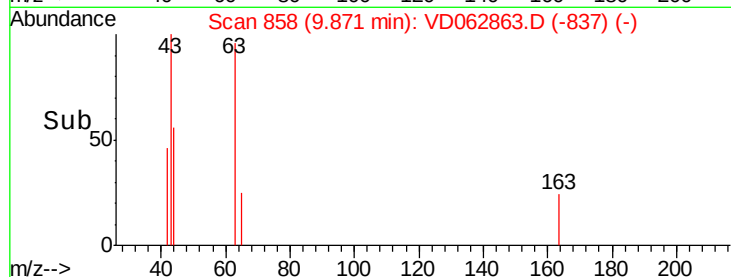
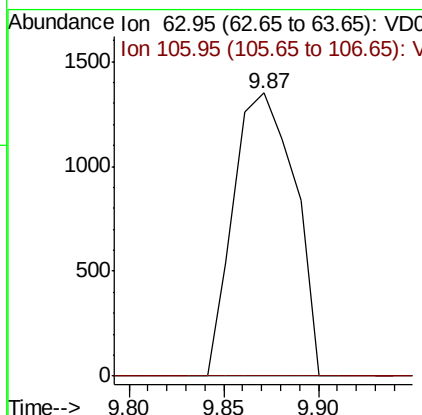
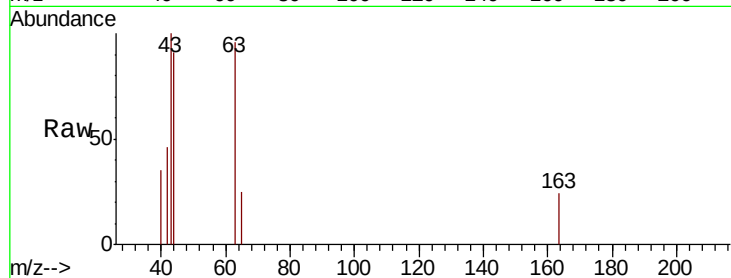




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.162 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.01 min
 Lab File: VD062863.D
 Acq: 25 Jun 2019 4:21

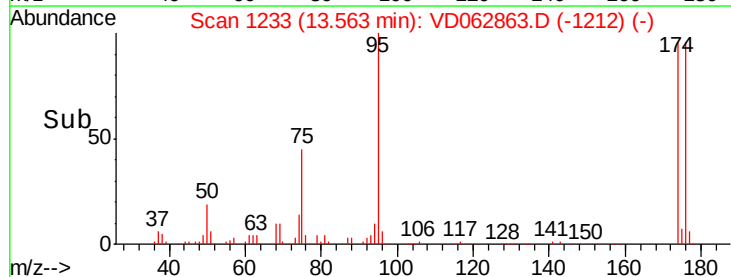
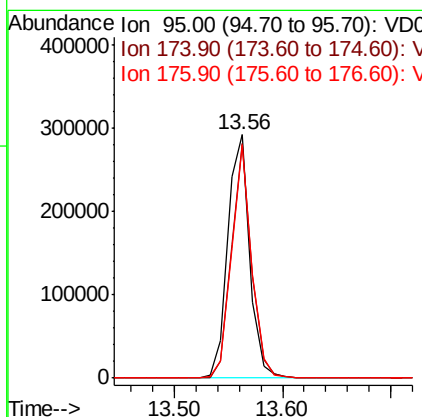
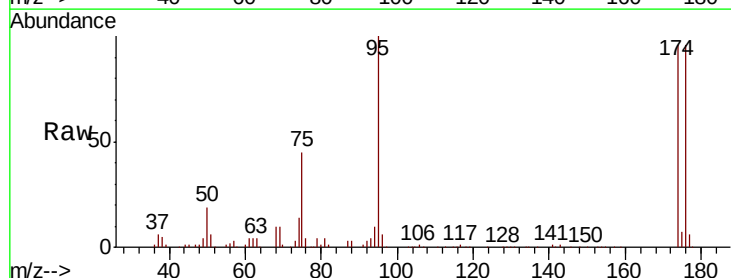
Instrument :
 MSVOA_D
 ClientSampled :
 BAT-B11

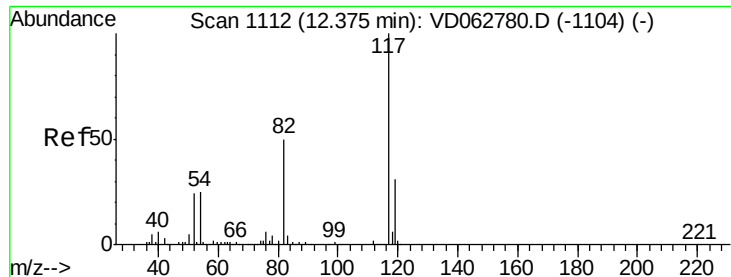
Tot Ion: 63 Resp: 3022
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.1 33.1#



#62
 4-Bromofluorobenzene
 Concen: 45.665 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062863.D
 Acq: 25 Jun 2019 4:21

Tgt Ion: 95 Resp: 411457
 Ion Ratio Lower Upper
 95 100
 174 96.2 0.0 158.0
 176 95.8 0.0 151.6

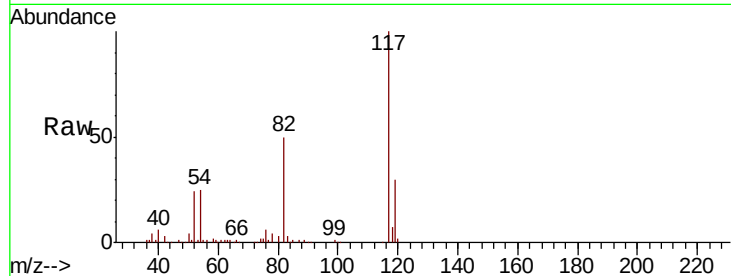




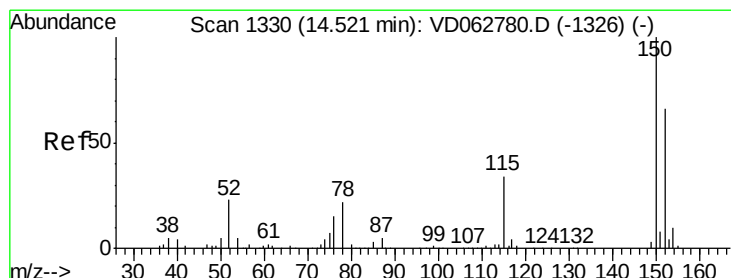
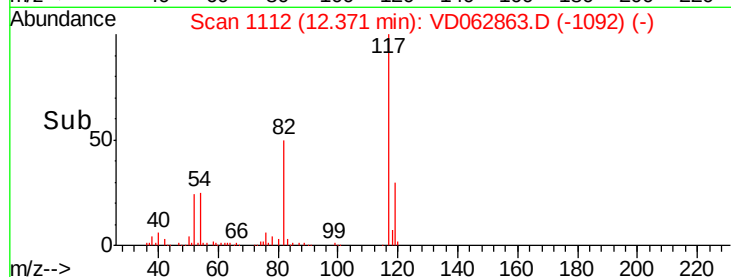
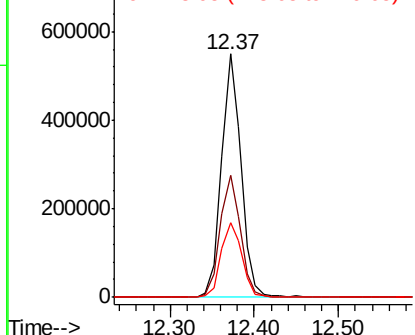
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062863.D
Acq: 25 Jun 2019 4:21

Instrument :
MSVOA_D
ClientSampleId :
BAT-B11

Tot Ion:117 Resp: 885879
Ion Ratio Lower Upper
117 100
82 50.0 40.4 60.6
119 30.5 25.2 37.8

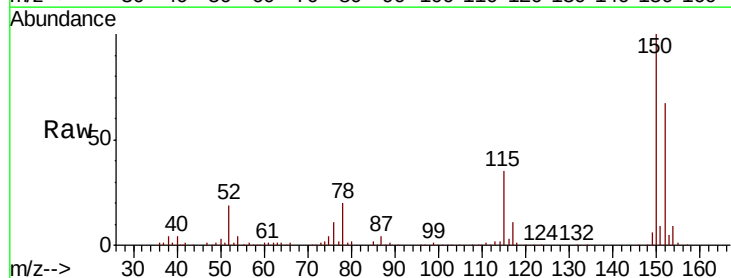


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

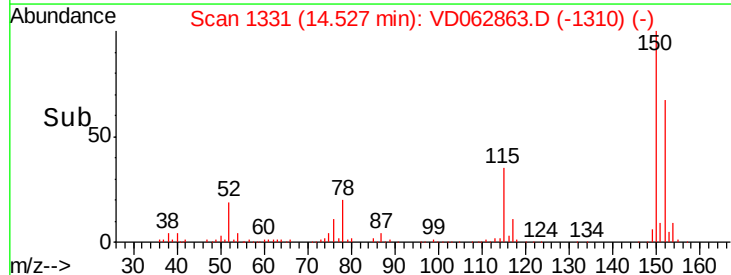
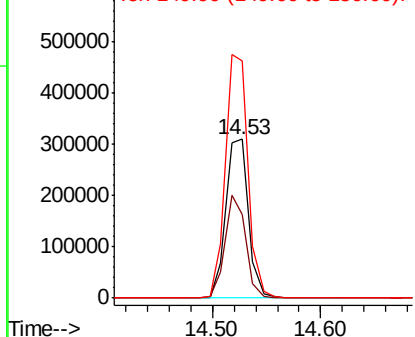


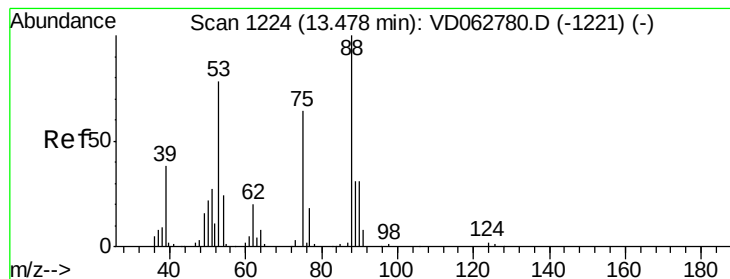
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062863.D
Acq: 25 Jun 2019 4:21

Tgt Ion:152 Resp: 454230
Ion Ratio Lower Upper
152 100
115 52.3 29.2 87.6
150 148.8 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





#81

trans-1,4-Dichloro-2-butene

Concen: 145.331 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062863.D

Acq: 25 Jun 2019 4:21

Instrument :

MSVOA_D

ClientSampleId :

BAT-B11

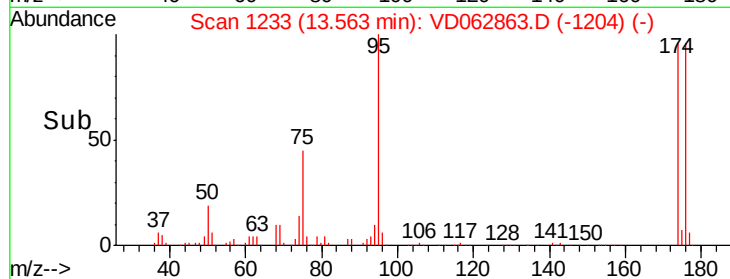
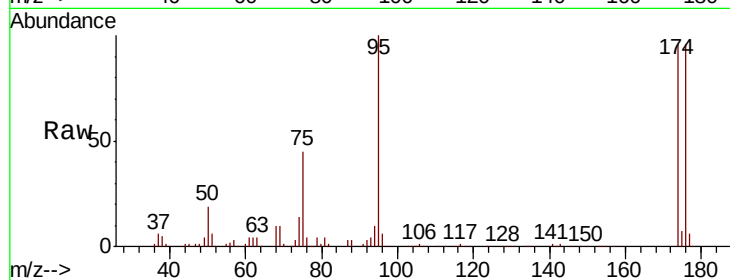
Tot Ion: 75 Resp: 199730

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

150000

100000

50000

0

13.56

Time-->