

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062868.D
 Acq On : 25 Jun 2019 6:38
 Operator : VA/AP
 Sample : K3164-07
 Misc : 4.73g/5ml/MSVOA D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B09

Quant Time: Jun 25 07:03:32 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	721036	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1032770	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	841646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	441161	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	430619	54.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.88%	
35) Dibromofluoromethane	6.94	113	488987	56.15	ug/l	0.01
Spiked Amount 50.000			Recovery	=	112.30%	
50) Toluene-d8	10.42	98	975021	51.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	13.56	95	425948	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.84%	

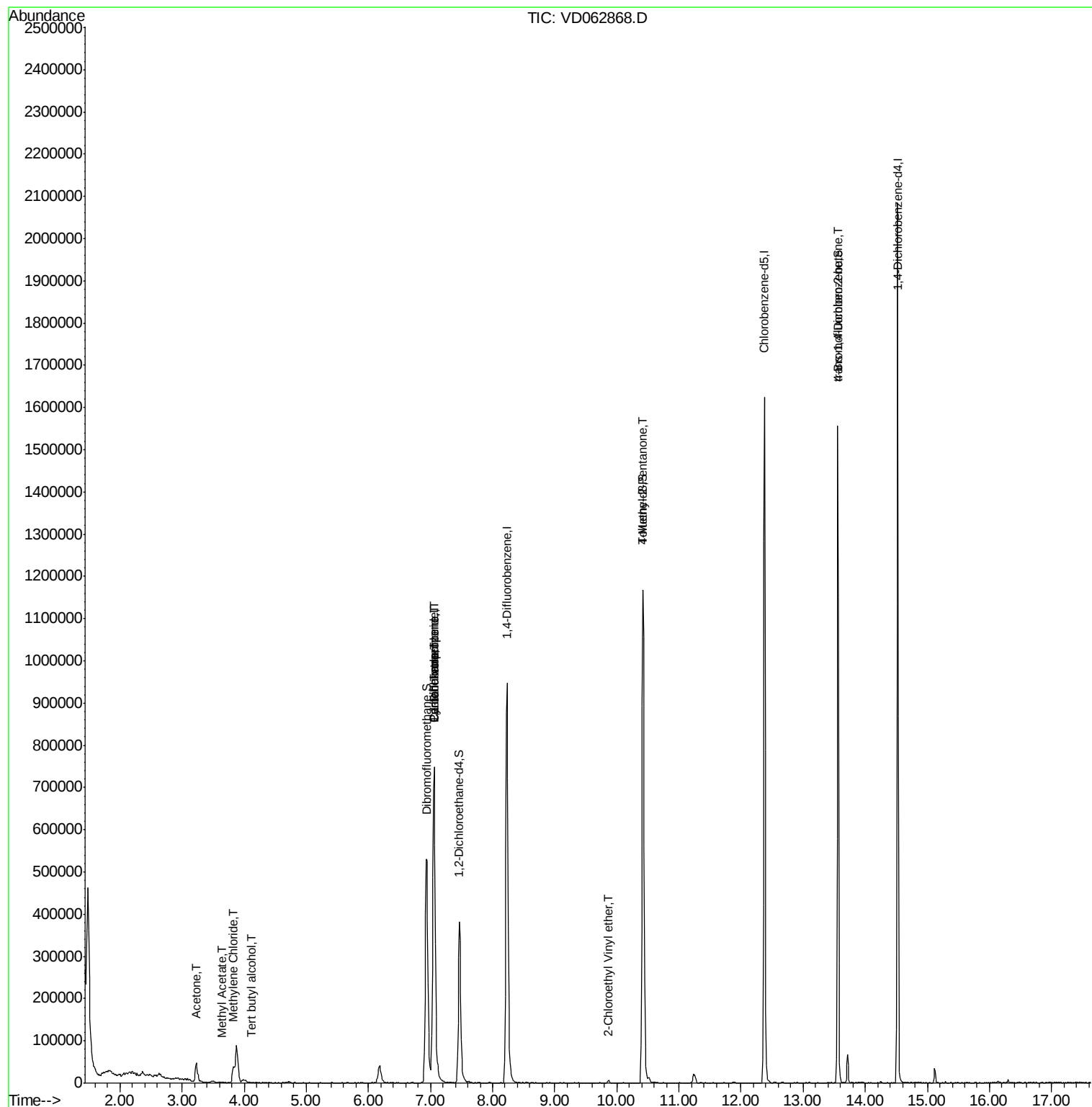
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.12	59	1202	3.367	ug/l #	77
16) Acetone	3.23	43	91303	51.902	ug/l #	90
18) Methyl Acetate	3.65	43	2932	1.239	ug/l #	58
20) Methylene Chloride	3.82	84	23262	3.892	ug/l	93
31) Cyclohexane	7.06	56	16894	2.295	ug/l #	20
36) 1,1-Dichloropropene	7.06	75	55300	5.656	ug/l #	53
37) Ethyl Acetate	6.17	43	3694	Below Cal	#	44
38) Carbon Tetrachloride	7.06	117	75256	5.118	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	5474	1.506	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.87	63	3183	1.280	ug/l #	85
81) trans-1,4-Dichloro-2-buten	13.56	75	209059	156.626	ug/l #	2

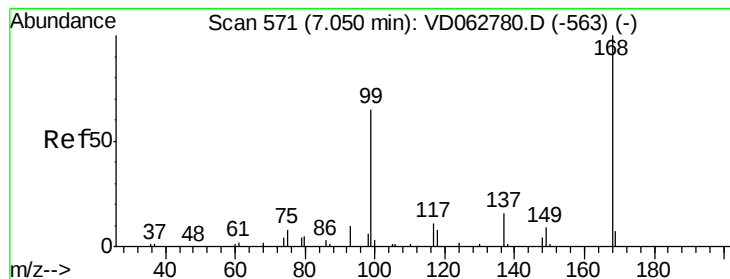
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
Data File : VD062868.D
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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: VD062868.D

Acq: 25 Jun 2019 6:38

Instrument :

MSVOA_D

ClientSampleId :

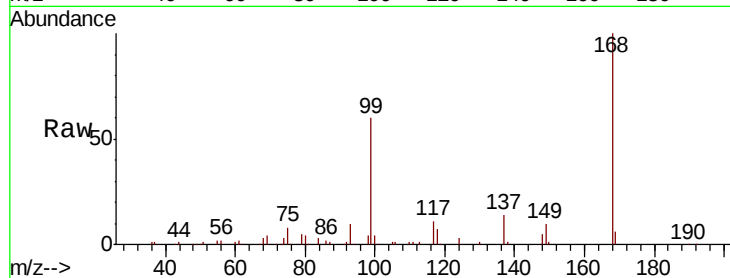
BAT-B09

Tot Ion:168 Resp: 721036

Ion Ratio Lower Upper

168 100

99 60.2 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

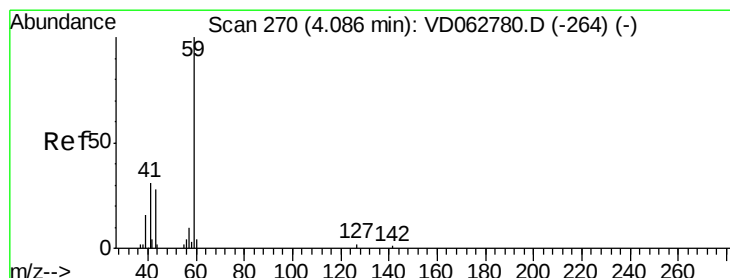
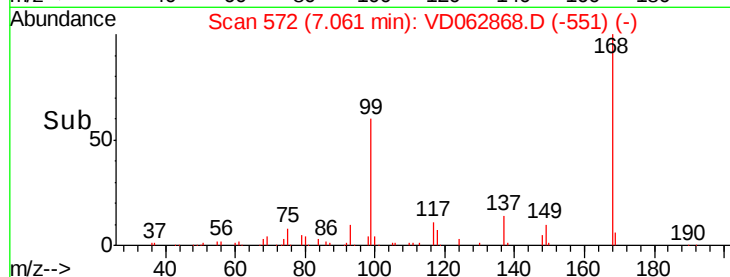
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.367 ug/l

RT: 4.12 min Scan# 273

Delta R.T. 0.03 min

Lab File: VD062868.D

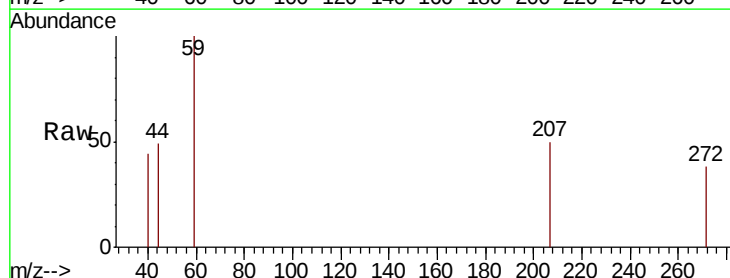
Acq: 25 Jun 2019 6:38

Tgt Ion: 59 Resp: 1202

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

4.12

1200

1000

800

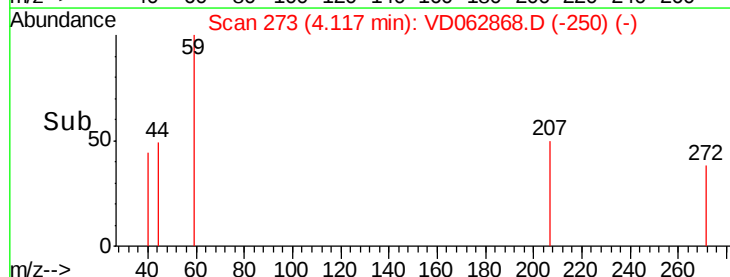
600

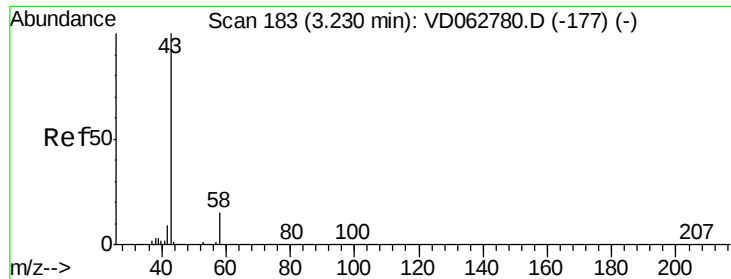
400

200

0

Time-->





#16

Acetone

Concen: 51.902 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062868.D

Acq: 25 Jun 2019 6:38

Instrument :

MSVOA_D

ClientSampleId :

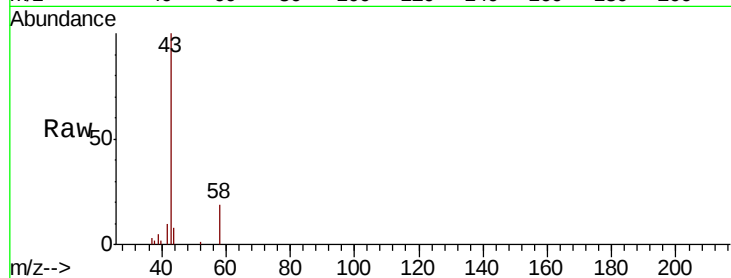
BAT-B09

Tot Ion: 43 Resp: 91303

Ion Ratio Lower Upper

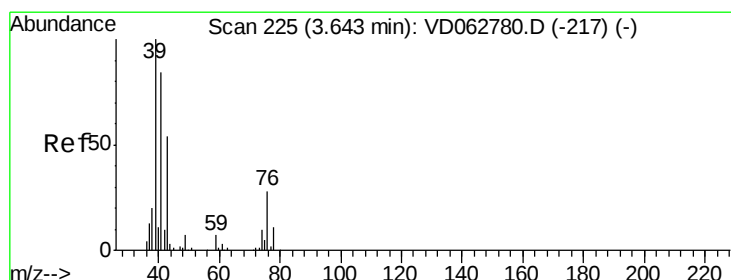
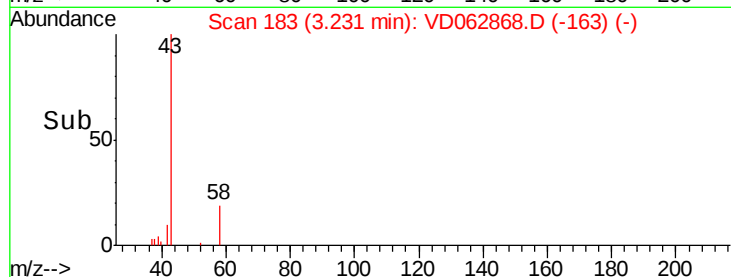
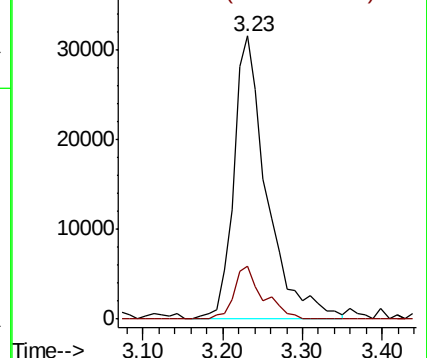
43 100

58 18.9 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.239 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062868.D

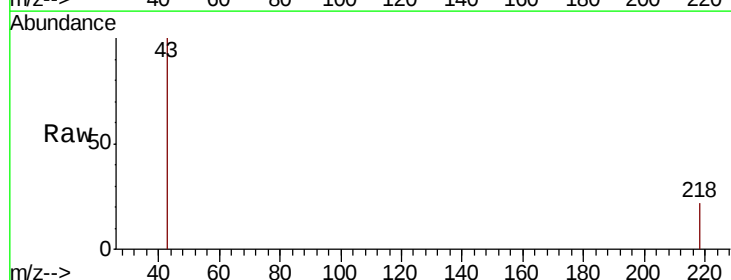
Acq: 25 Jun 2019 6:38

Tgt Ion: 43 Resp: 2932

Ion Ratio Lower Upper

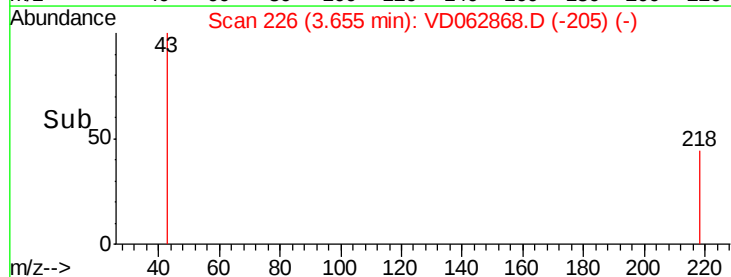
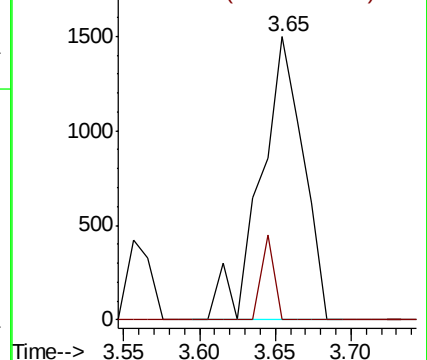
43 100

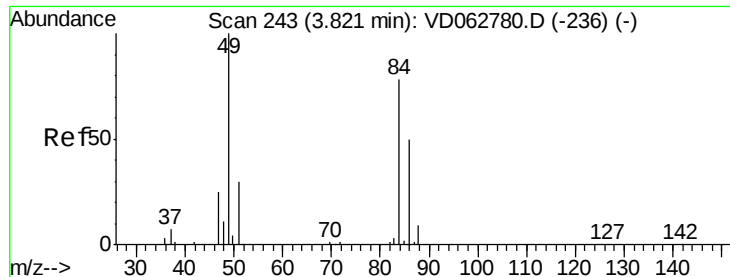
74 0.0 15.2 22.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



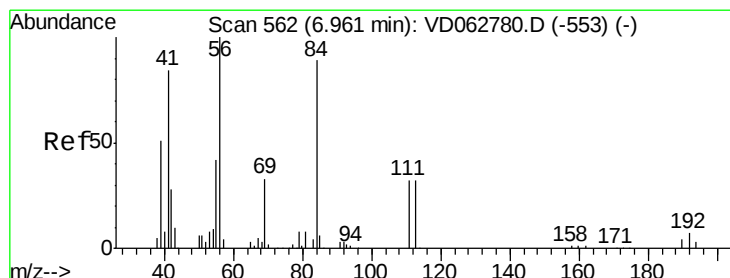
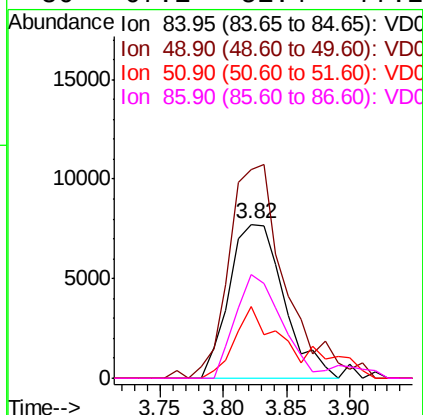
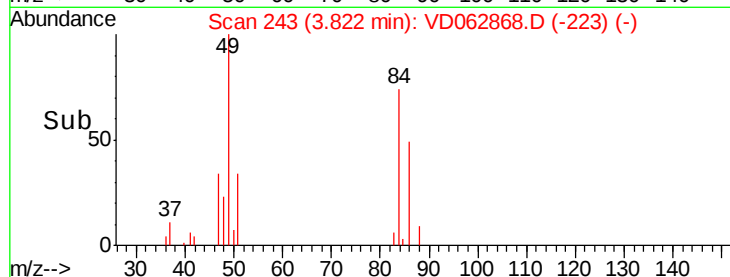
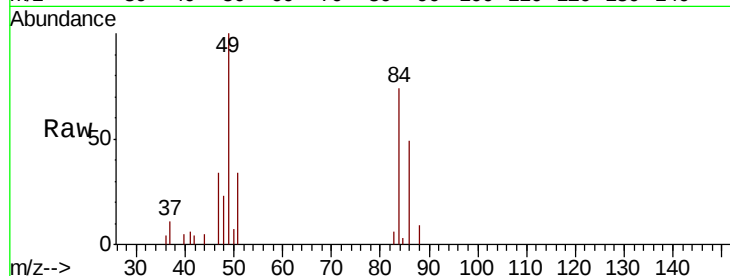


#20
Methvlene Chloride
Concen: 3.892 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD062868.D
Acq: 25 Jun 2019 6:38

Instrument :
MSVOA_D
ClientSampleId :
BAT-B09

Tot Ion: 84 Resp: 23262

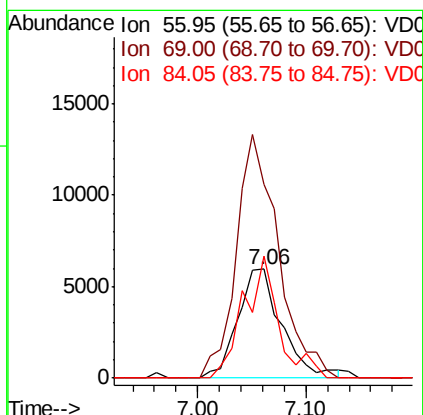
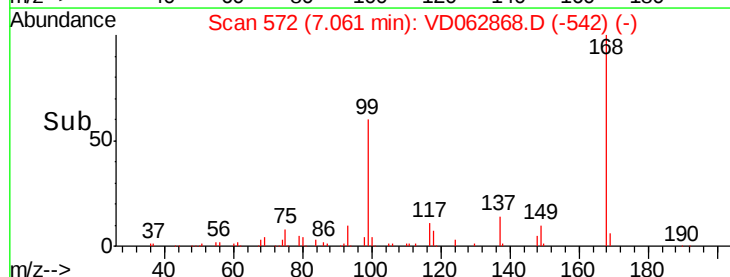
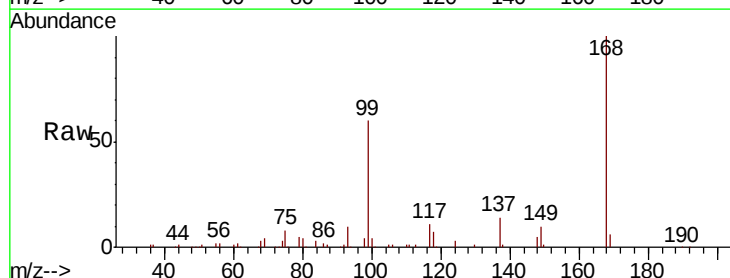
Ion	Ratio	Lower	Upper
84	100		
49	135.8	102.9	154.3
51	46.7	31.2	46.8
86	67.1	51.4	77.2

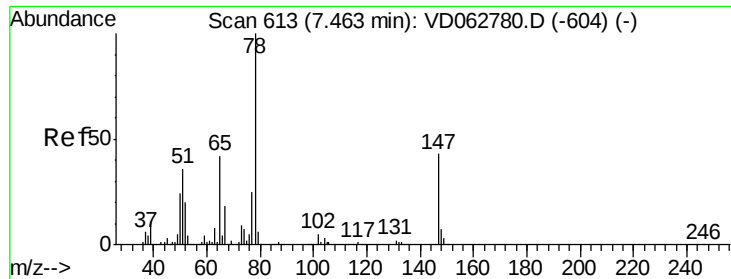


#31
Cyclohexane
Concen: 2.295 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.10 min
Lab File: VD062868.D
Acq: 25 Jun 2019 6:38

Tgt Ion: 56 Resp: 16894

Ion	Ratio	Lower	Upper
56	100		
69	177.8	26.6	39.8#
84	111.6	75.5	113.3





#33

1,2-Dichloroethane-d4

Concen: 54.943 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD062868.D

Acq: 25 Jun 2019 6:38

Instrument :

MSVOA_D

ClientSampleId :

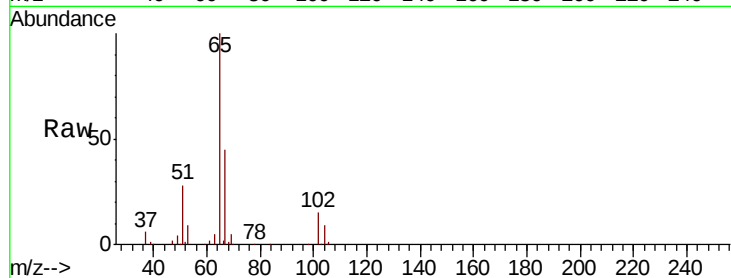
BAT-B09

Tot Ion: 65 Resp: 430619

Ion Ratio Lower Upper

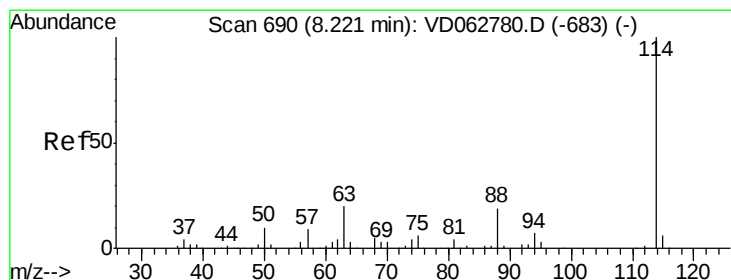
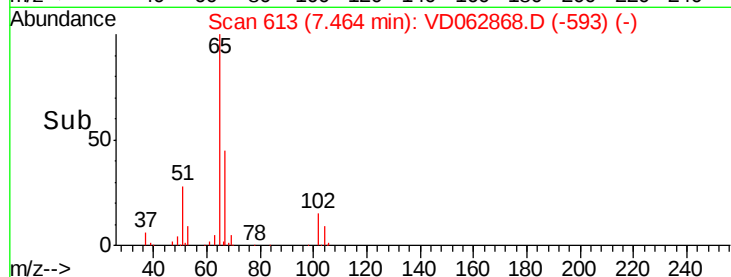
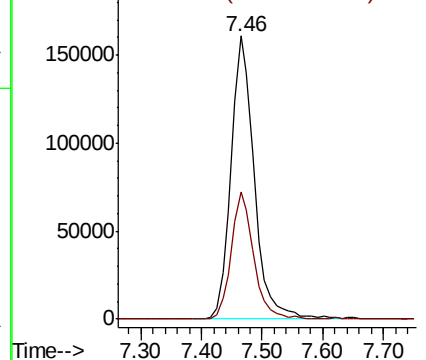
65 100

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



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062868.D

Acq: 25 Jun 2019 6:38

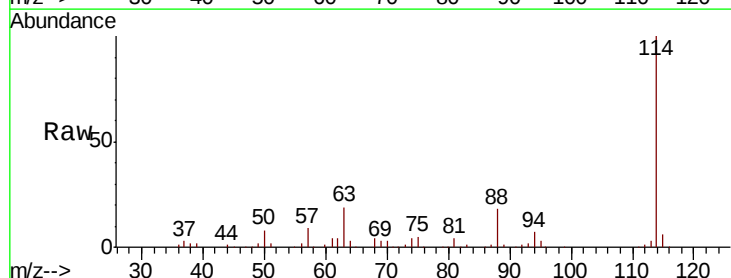
Tgt Ion: 114 Resp: 1032770

Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.0

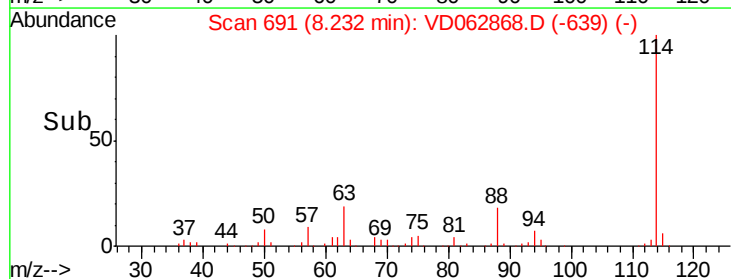
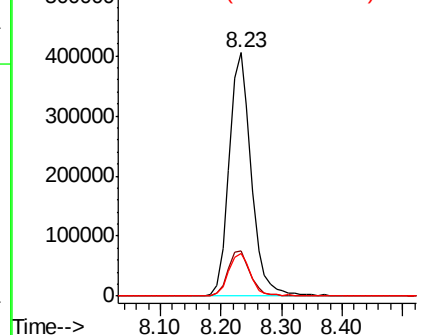
88 17.6 0.0 38.8

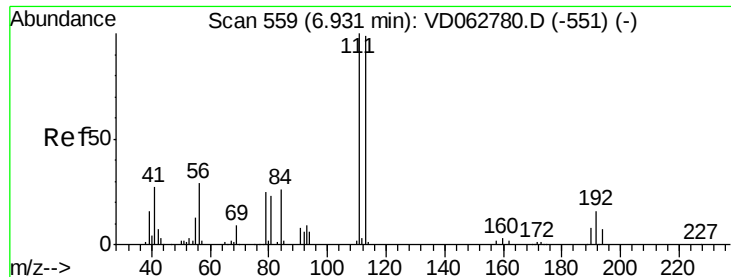


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

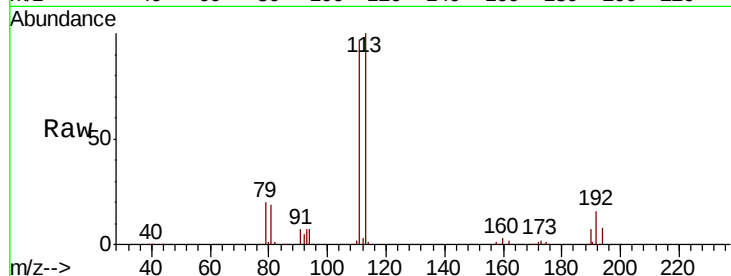




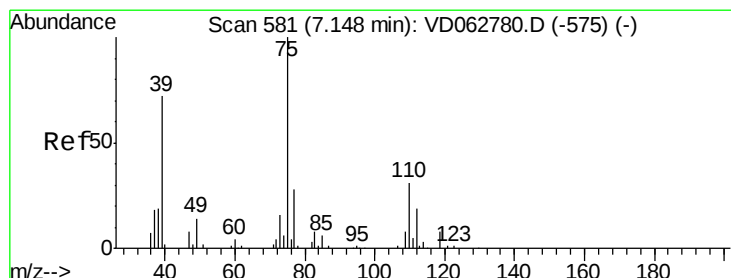
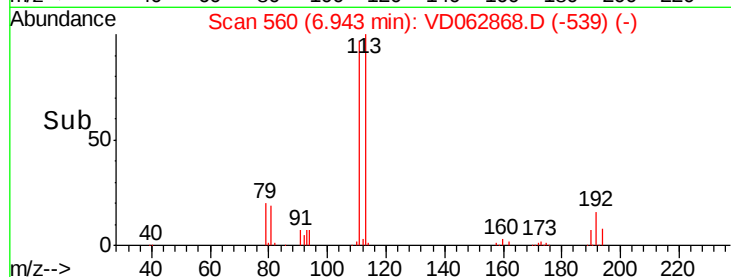
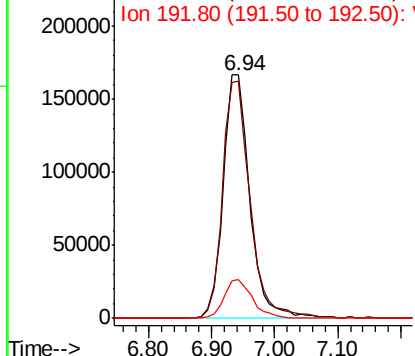
#35
 Dibromofluoromethane
 Concen: 56.152 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD062868.D
 Acq: 25 Jun 2019 6:38

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B09

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.2	81.2	121.8
192	16.1	12.9	19.3

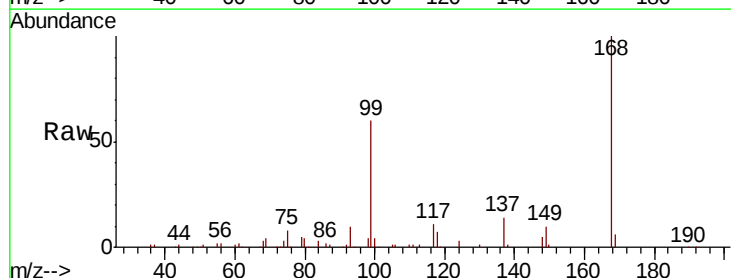


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

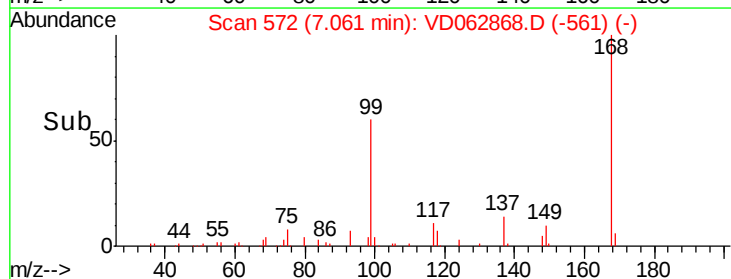
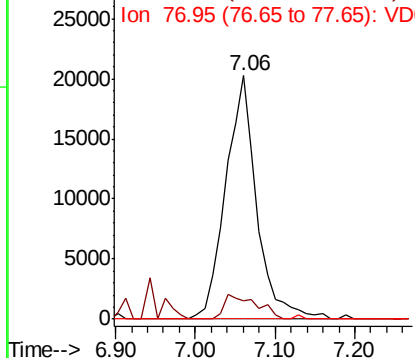


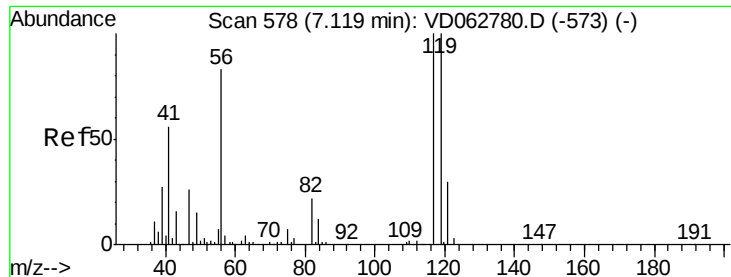
#36
 1,1-Dichloropropene
 Concen: 5.656 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD062868.D
 Acq: 25 Jun 2019 6:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	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

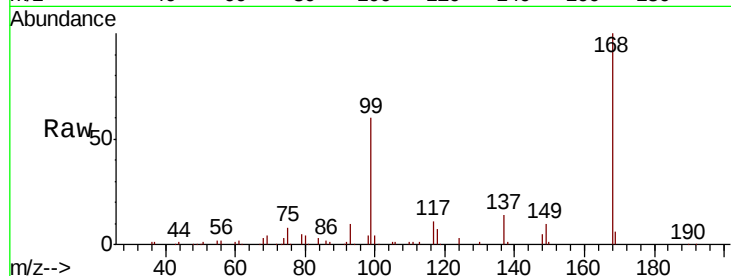




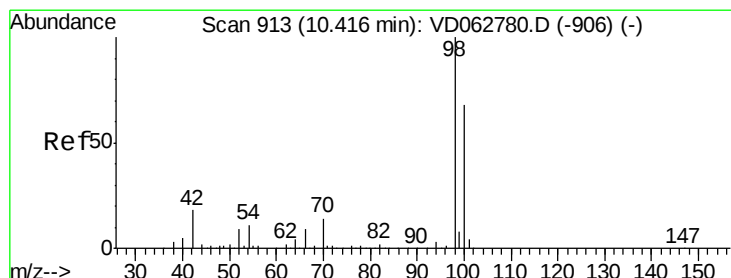
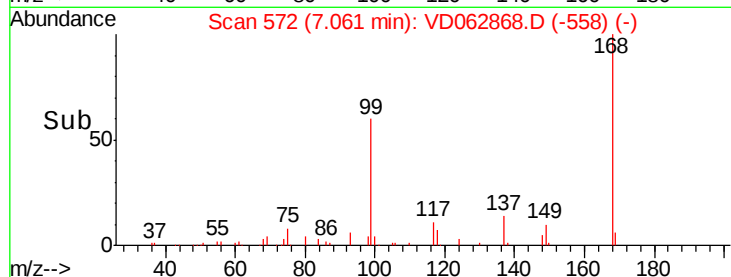
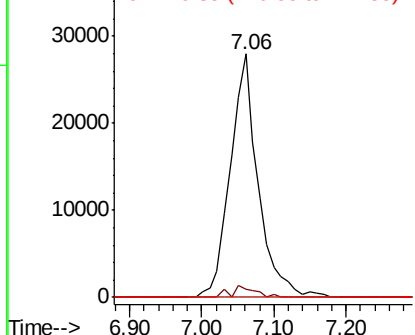
#38
Carbon Tetrachloride
Concen: 5.118 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.06 min
Lab File: VD062868.D
Acq: 25 Jun 2019 6:38

Instrument :
MSVOA_D
ClientSampleId :
BAT-B09

Tot Ion:117 Resp: 75256
Ion Ratio Lower Upper
117 100
119 3.2 75.4 113.2#
121 0.0 22.3 33.5#

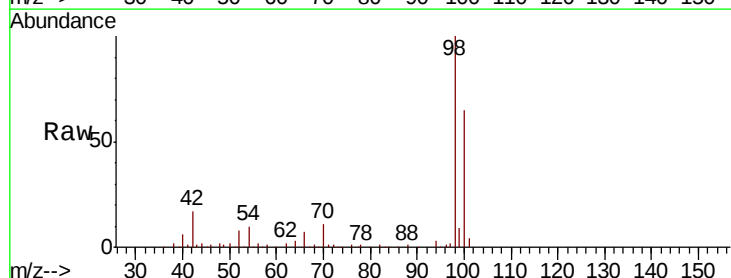


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

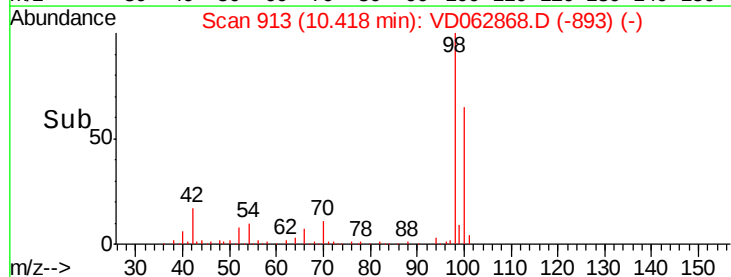
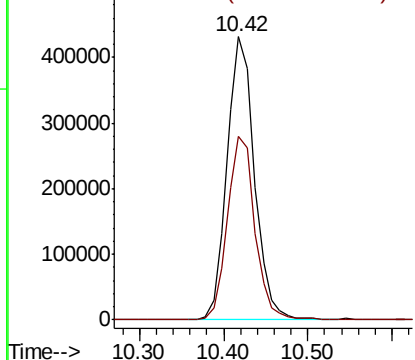


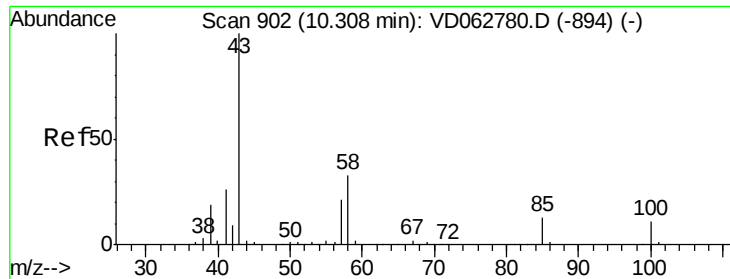
#50
Toluene-d8
Concen: 51.444 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062868.D
Acq: 25 Jun 2019 6:38

Tgt Ion: 98 Resp: 975021
Ion Ratio Lower Upper
98 100
100 64.7 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: 1.506 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.11 min

Lab File: VD062868.D

Acq: 25 Jun 2019 6:38

Instrument :

MSVOA_D

ClientSampleId :

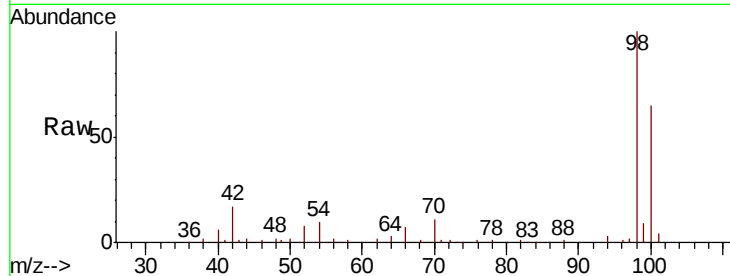
BAT-B09

Tot Ion: 43 Resp: 5474

Ion Ratio Lower Upper

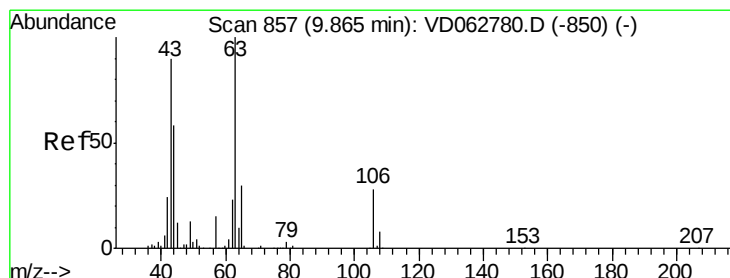
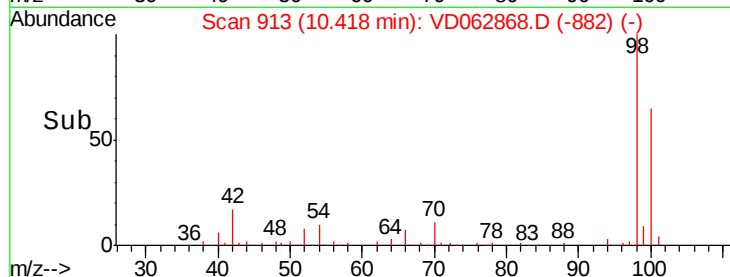
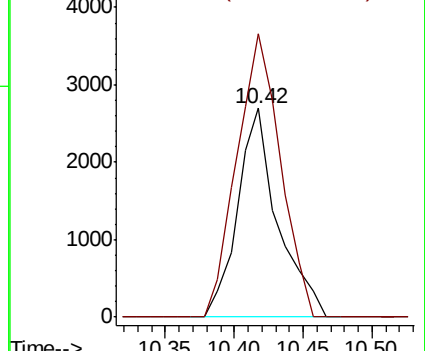
43 100

58 135.5 26.6 40.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 1.280 ug/l

RT: 9.87 min Scan# 857

Delta R.T. 0.00 min

Lab File: VD062868.D

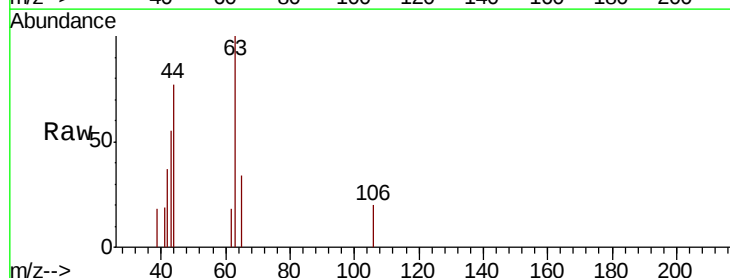
Acq: 25 Jun 2019 6:38

Tgt Ion: 63 Resp: 3183

Ion Ratio Lower Upper

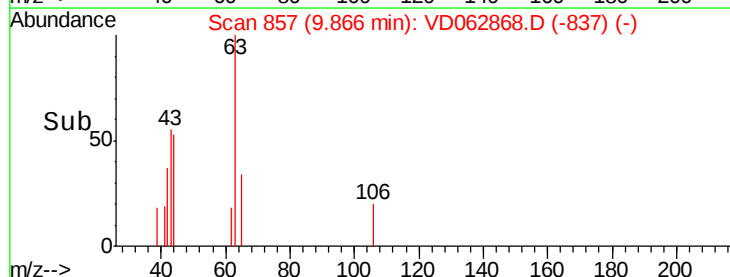
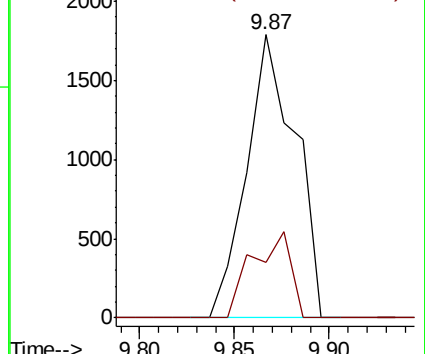
63 100

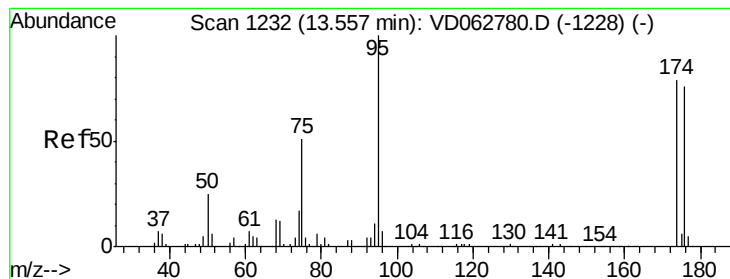
106 19.8 22.1 33.1#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#62

4-Bromofluorobenzene

Concen: 49.424 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062868.D

Acq: 25 Jun 2019 6:38

Instrument :

MSVOA_D

ClientSampleId :

BAT-B09

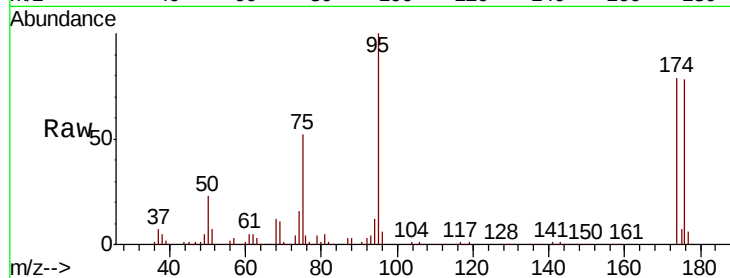
Tot Ion: 95 Resp: 425948

Ion Ratio Lower Upper

95 100

174 78.6 0.0 158.0

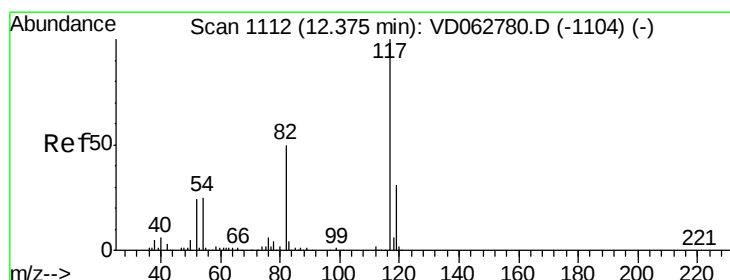
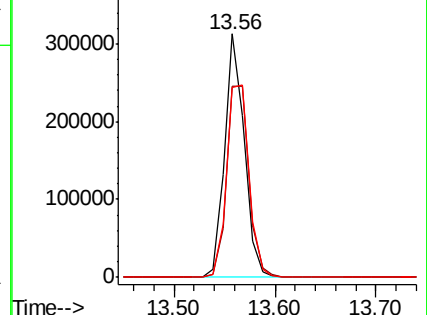
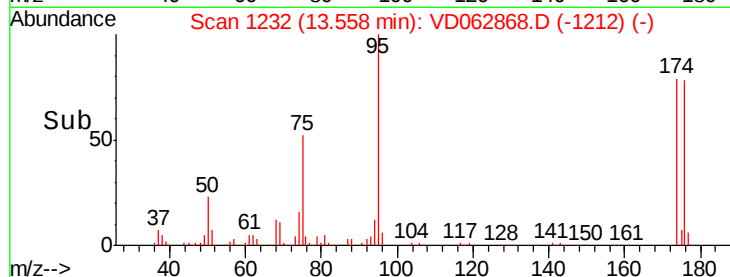
176 78.1 0.0 151.6



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: VD062868.D

Acq: 25 Jun 2019 6:38

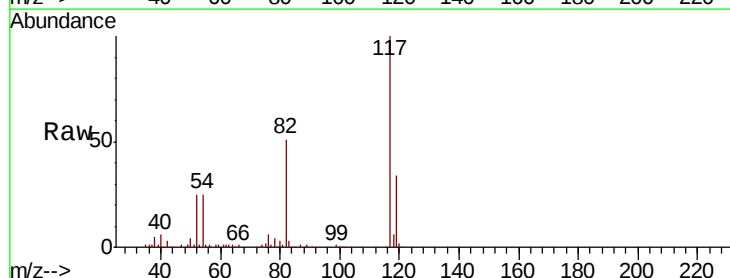
Tgt Ion: 117 Resp: 841646

Ion Ratio Lower Upper

117 100

82 51.3 40.4 60.6

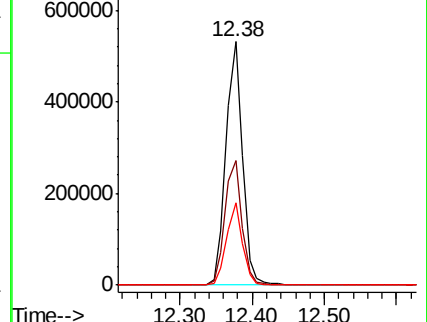
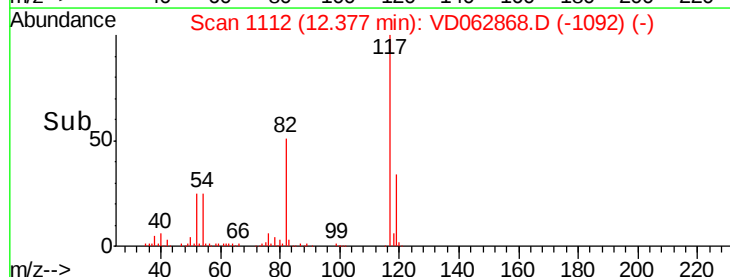
119 33.7 25.2 37.8

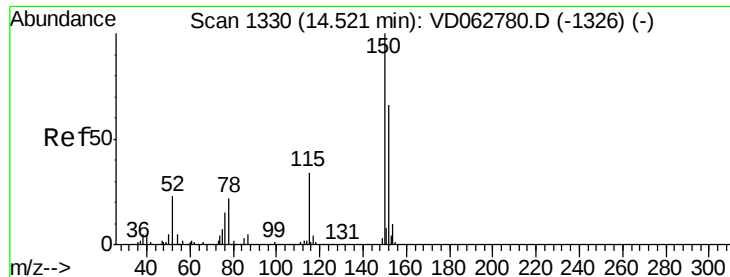


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062868.D

Acq: 25 Jun 2019 6:38

Instrument :

MSVOA_D

ClientSampleId :

BAT-B09

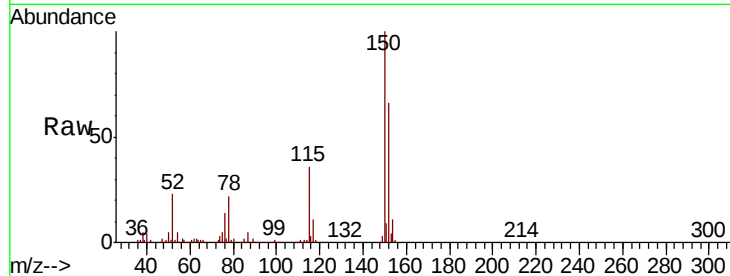
Tot Ion:152 Resp: 441161

Ion Ratio Lower Upper

152 100

115 54.8 29.2 87.6

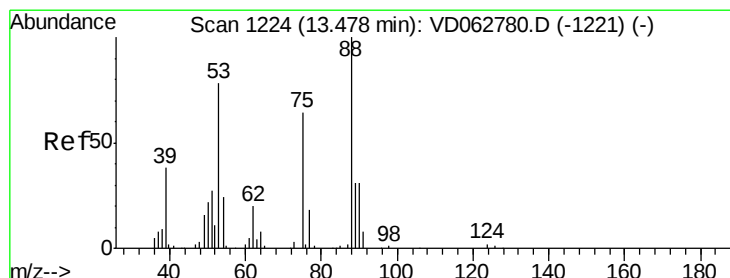
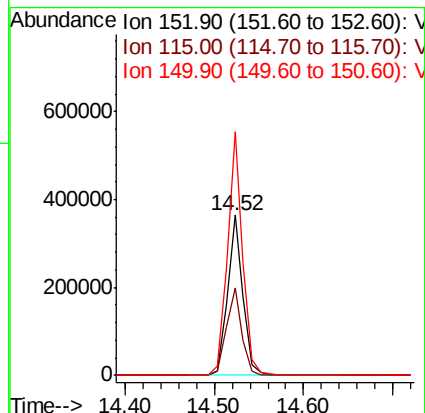
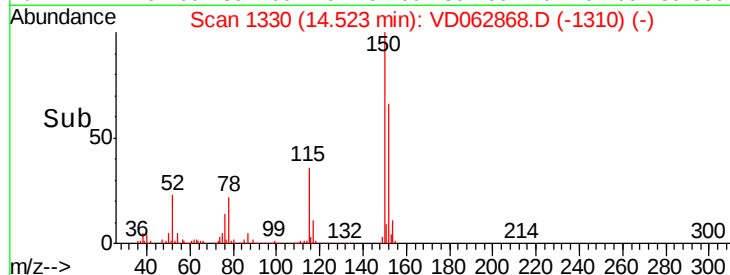
150 151.9 0.0 305.8



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: 156.626 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062868.D

Acq: 25 Jun 2019 6:38

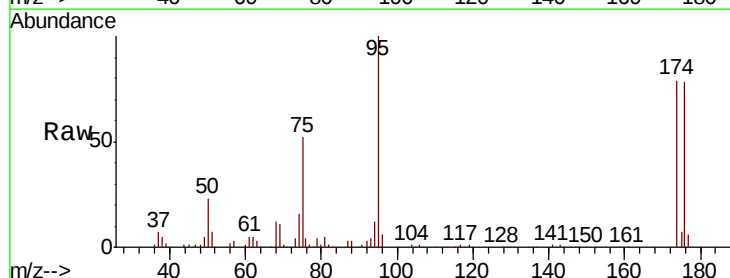
Tgt Ion: 75 Resp: 209059

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

