

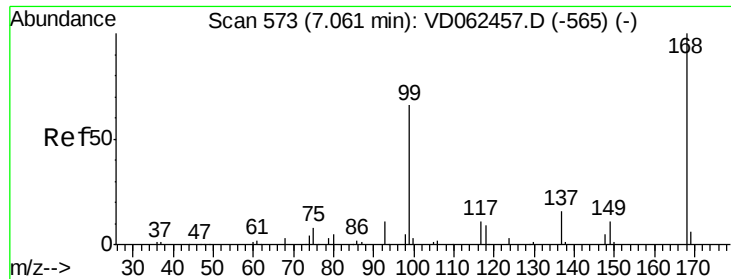
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052819\
 Data File : VD062543.D
 Acq On : 28 May 2019 17:13
 Operator : VA/AP
 Sample : K3065-03RE
 Misc : 4.99g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15-1.5-2.0RE

Quant Time: May 29 01:01:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	322923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	428834	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.39	117	333286	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	174152	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	160594	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	6.94	113	170683	44.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.24%	
50) Toluene-d8	10.43	98	306144	36.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.32%	
62) 4-Bromofluorobenzene	13.57	95	141390	38.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.36%	
Target Compounds						
					Qvalue	
16) Acetone	3.23	43	10585	17.088	ug/l #	73
20) Methylene Chloride	3.82	84	3457	Below Cal	#	76
31) Cyclohexane	7.06	56	7182	2.201	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	28368	6.919	ug/l #	46
38) Carbon Tetrachloride	7.06	117	35469	5.821	ug/l #	15
67) Ethyl Benzene	12.53	91	26602	2.410	ug/l	91
68) m/p-Xylenes	12.68	106	4691	1.184	ug/l	81
81) trans-1,4-Dichloro-2-buten	13.57	75	70582	122.004	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.00 min

Lab File: VD062543.D

Acq: 28 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

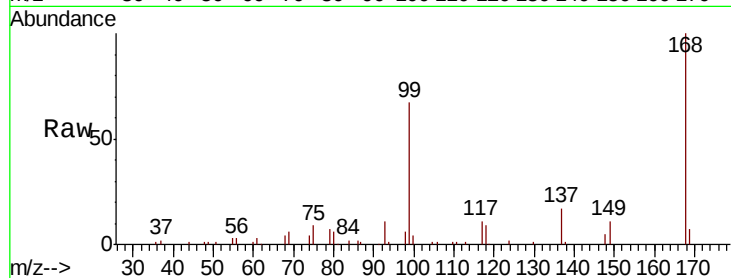
B-15-1.5-2.0RE

Tot Ion:168 Resp: 322923

Ion Ratio Lower Upper

168 100

99 66.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

120000

100000

80000

60000

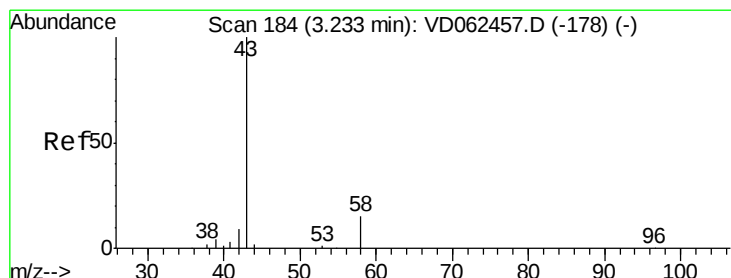
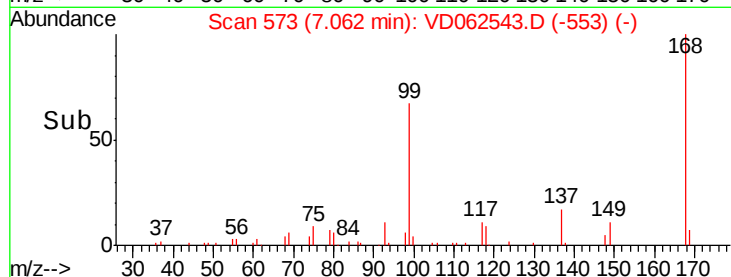
40000

20000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 17.088 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD062543.D

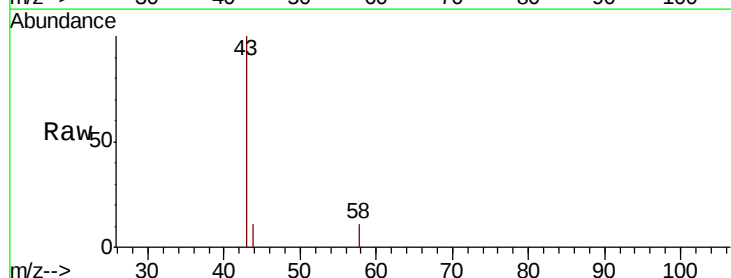
Acq: 28 May 2019 17:13

Tgt Ion: 43 Resp: 10585

Ion Ratio Lower Upper

43 100

58 11.3 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

4000

3000

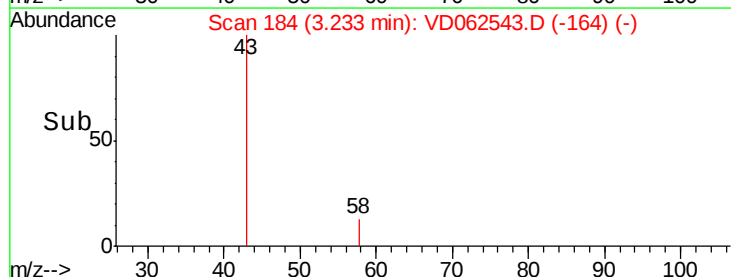
2000

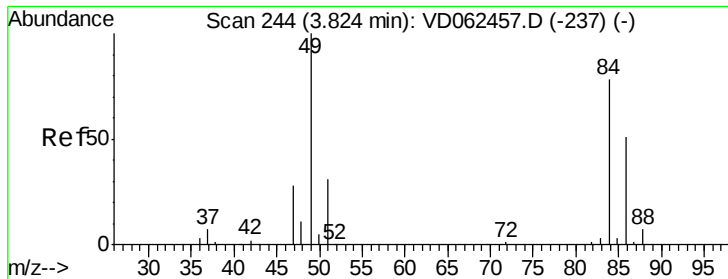
1000

0

Time-->

3.20 3.30

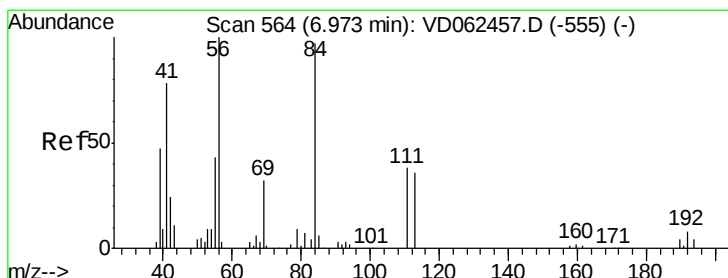
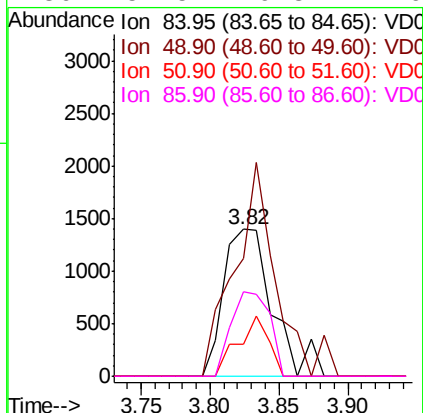
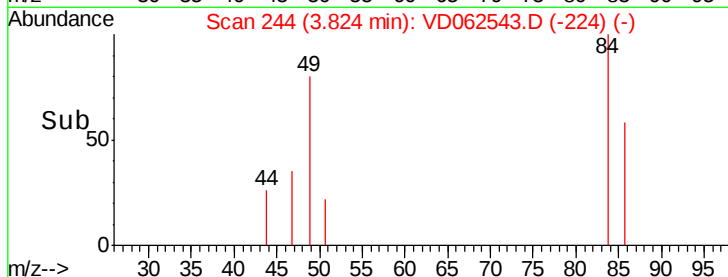
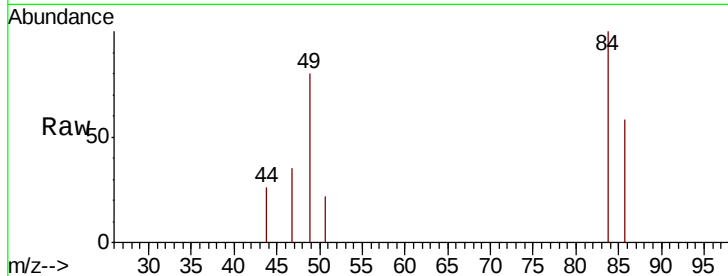




#20
Methylene Chloride
Concen: Below Cal
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD062543.D
Acq: 28 May 2019 17:13

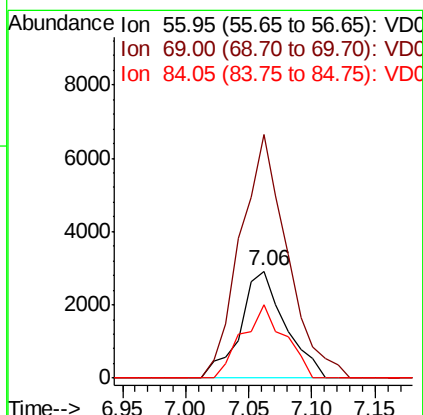
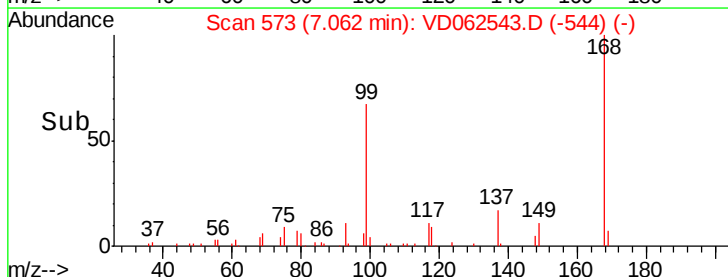
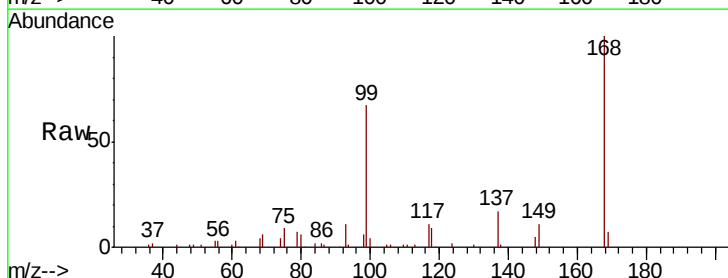
Instrument :
MSVOA_D
ClientSampleId :
B-15-1.5-2.0RE

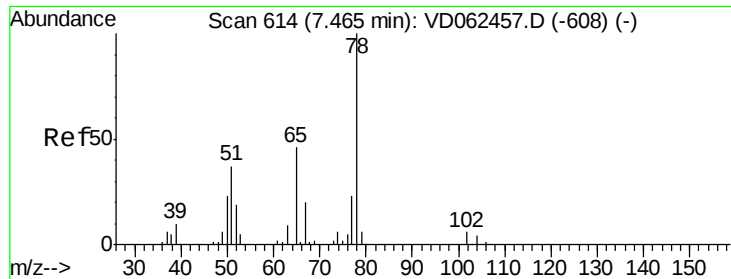
Tot Ion: 84 Resp: 3457
Ion Ratio Lower Upper
84 100
49 80.1 94.0 141.0#
51 21.8 29.0 43.4#
86 57.5 49.8 74.6



#31
Cyclohexane
Concen: 2.201 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.09 min
Lab File: VD062543.D
Acq: 28 May 2019 17:13

Tgt Ion: 56 Resp: 7182
Ion Ratio Lower Upper
56 100
69 227.6 25.8 38.6#
84 68.6 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: 46.459 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.00 min

Lab File: VD062543.D

Acq: 28 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

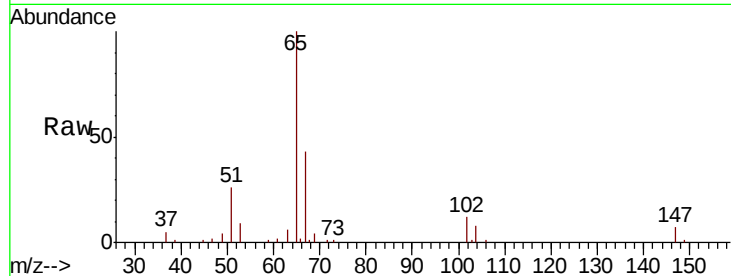
B-15-1.5-2.0RE

Tot Ion: 65 Resp: 160594

Ion Ratio Lower Upper

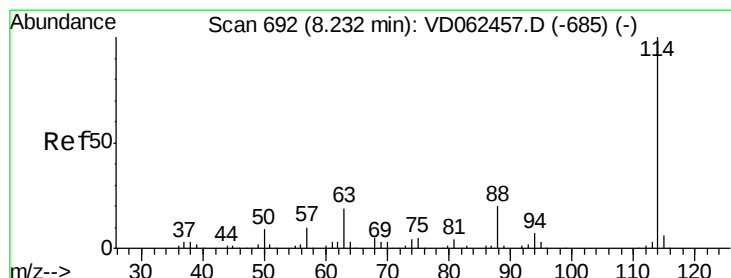
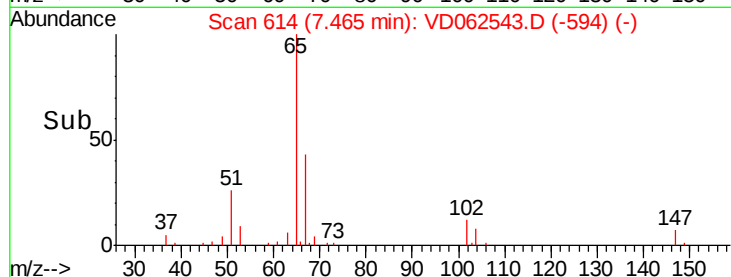
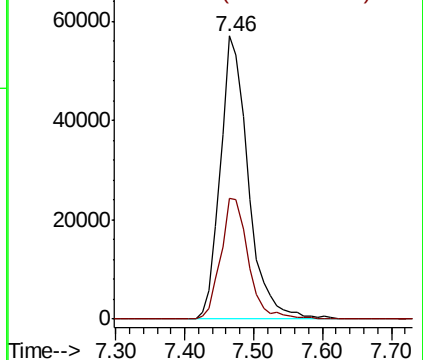
65 100

67 42.9 0.0 98.0



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# 692

Delta R.T. 0.00 min

Lab File: VD062543.D

Acq: 28 May 2019 17:13

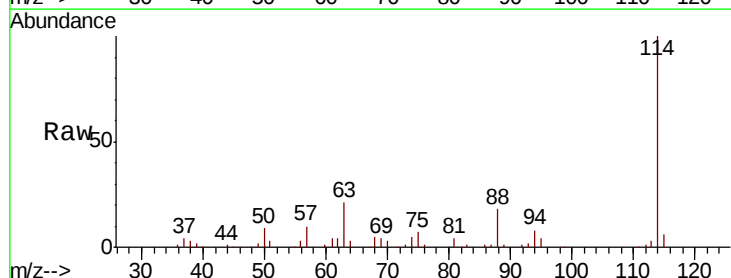
Tgt Ion: 114 Resp: 428834

Ion Ratio Lower Upper

114 100

63 20.6 0.0 32.4

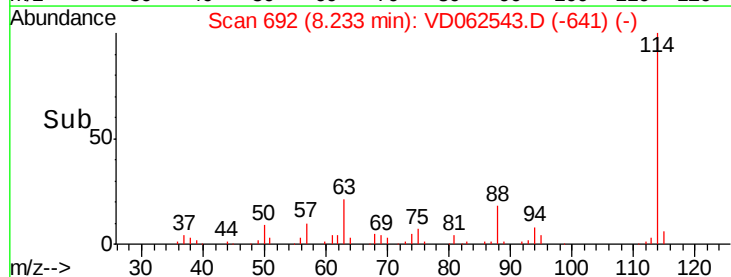
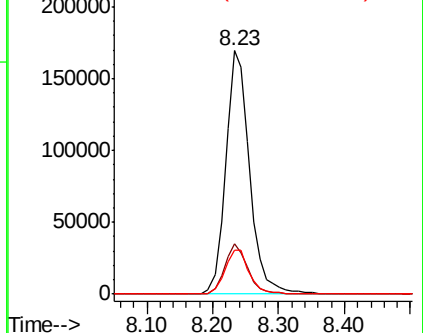
88 17.9 0.0 33.6

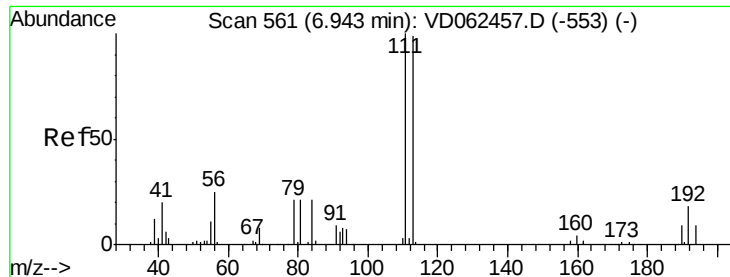


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 44.120 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD062543.D

Acq: 28 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

B-15-1.5-2.0RE

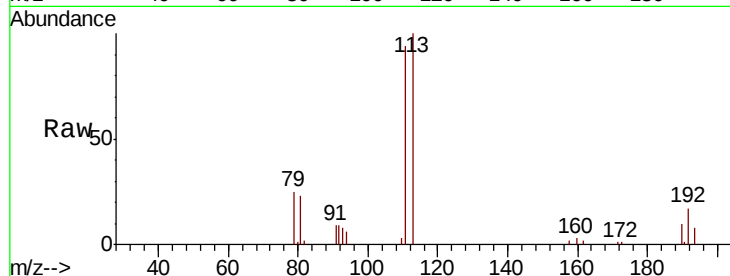
Tot Ion:113 Resp: 170683

Ion Ratio Lower Upper

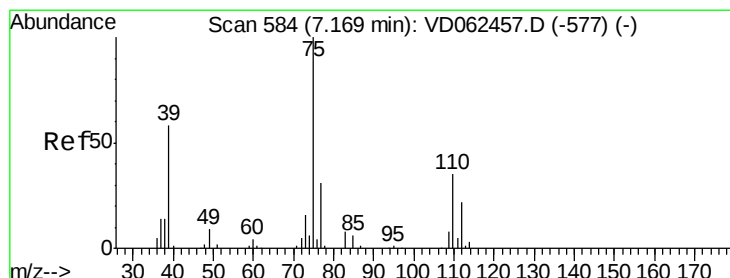
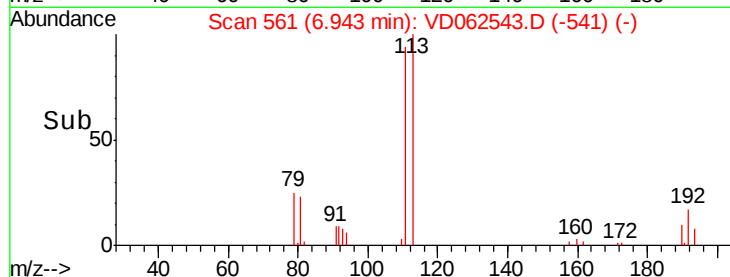
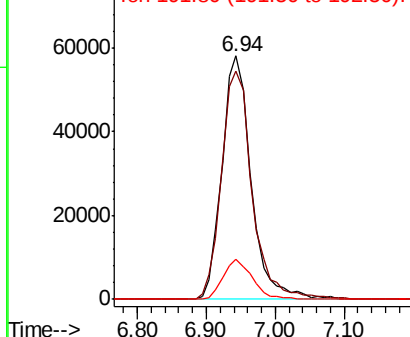
113 100

111 93.6 78.5 117.7

192 16.7 13.0 19.4



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: 6.919 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.11 min

Lab File: VD062543.D

Acq: 28 May 2019 17:13

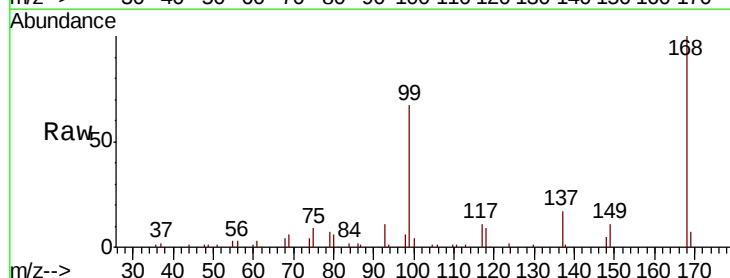
Tgt Ion: 75 Resp: 28368

Ion Ratio Lower Upper

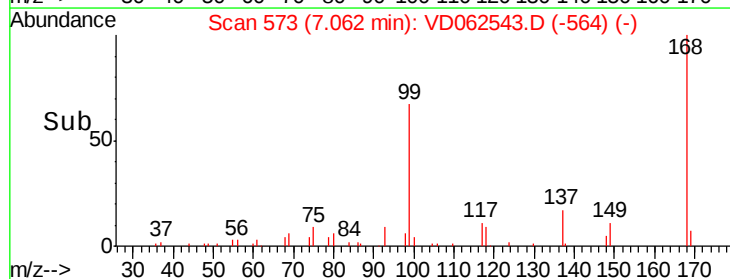
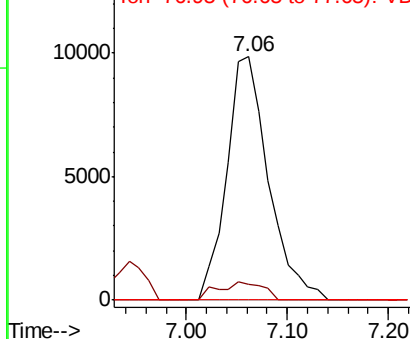
75 100

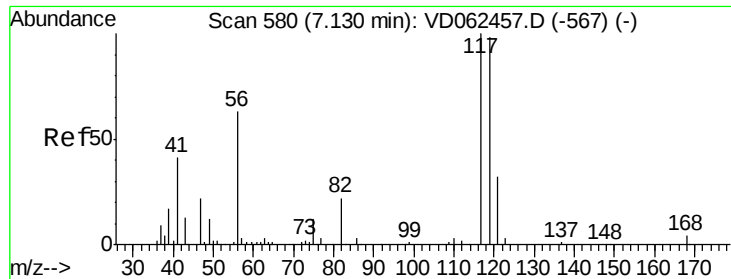
110 6.7 19.1 57.1#

77 0.0 25.6 38.4#



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

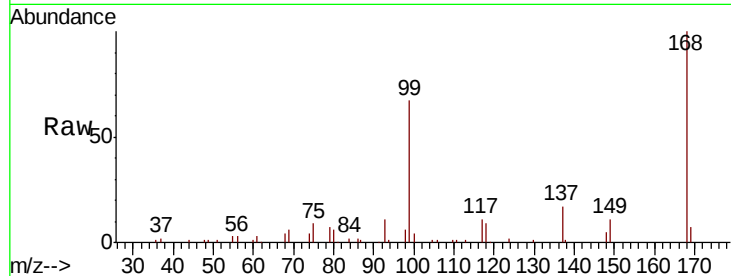




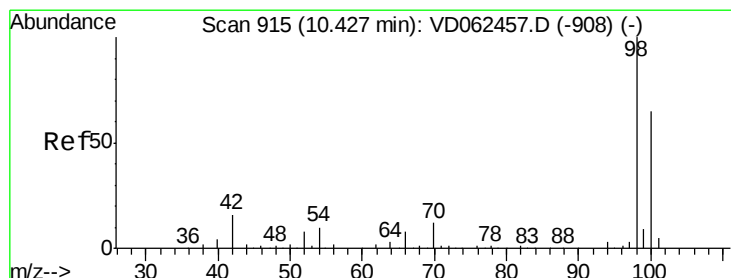
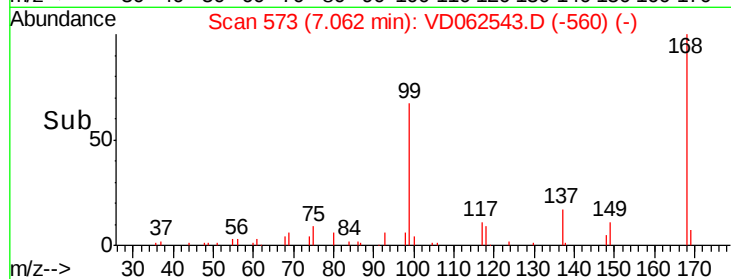
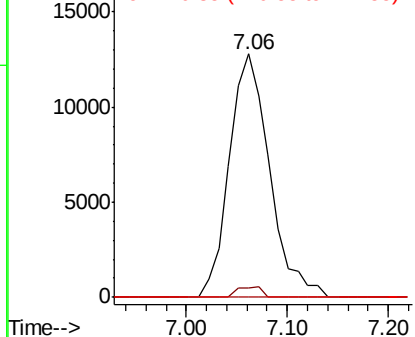
#38
Carbon Tetrachloride
Concen: 5.821 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.07 min
Lab File: VD062543.D
Acq: 28 May 2019 17:13

Instrument :
MSVOA_D
ClientSampleId :
B-15-1.5-2.0RE

Tot Ion:117 Resp: 35469
Ion Ratio Lower Upper
117 100
119 3.7 75.8 113.8#
121 0.0 25.9 38.9#

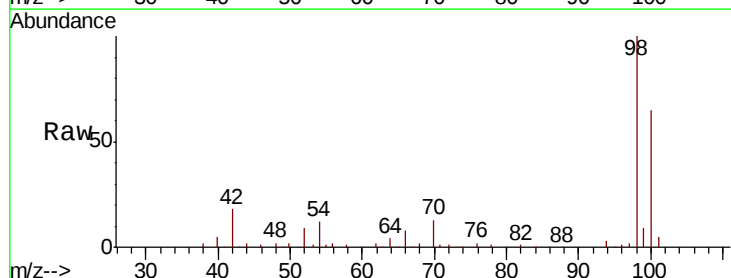


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

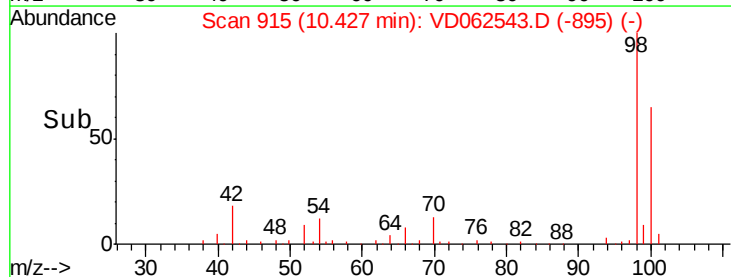
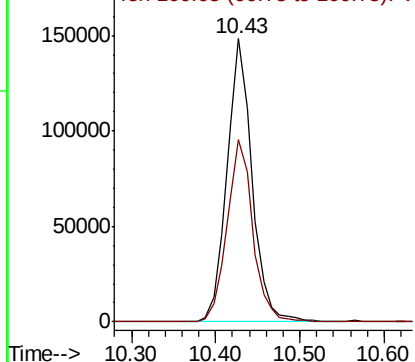


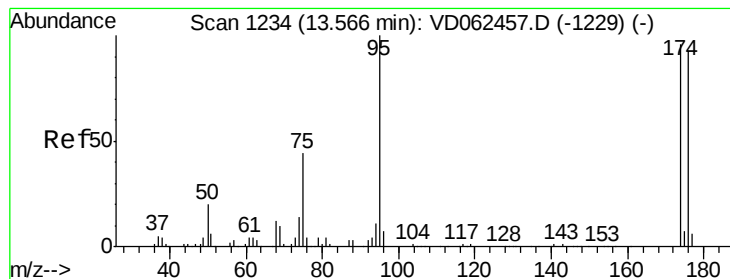
#50
Toluene-d8
Concen: 36.161 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD062543.D
Acq: 28 May 2019 17:13

Tgt Ion: 98 Resp: 306144
Ion Ratio Lower Upper
98 100
100 64.6 53.8 80.8



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





#62

4-Bromofluorobenzene

Concen: 38.179 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VD062543.D

Acq: 28 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

B-15-1.5-2.0RE

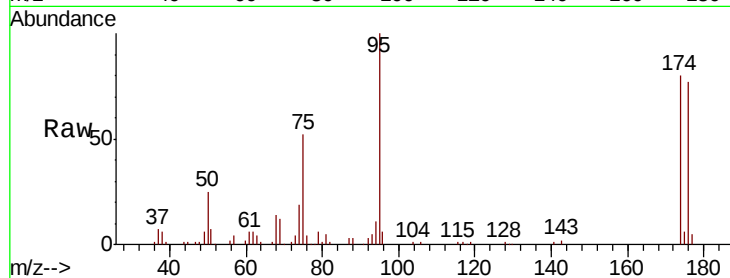
Tot Ion: 95 Resp: 141390

Ion Ratio Lower Upper

95 100

174 80.2 0.0 181.8

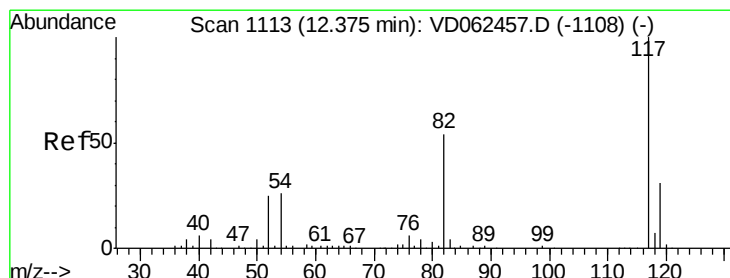
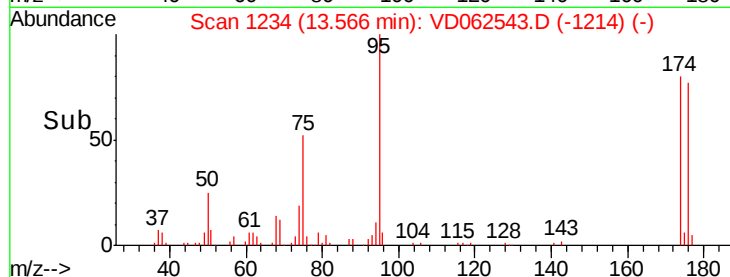
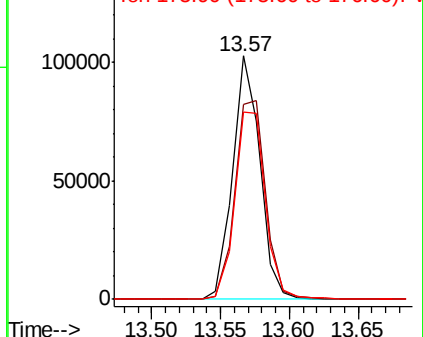
176 77.1 0.0 174.4



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: 12.39 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VD062543.D

Acq: 28 May 2019 17:13

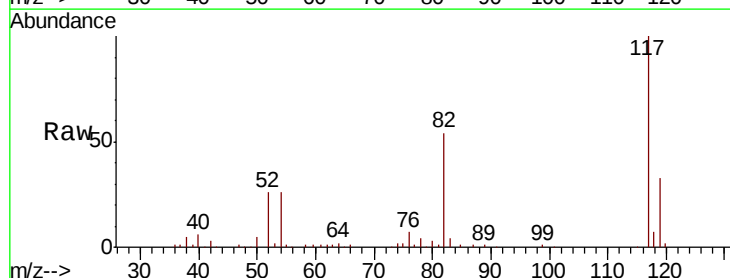
Tgt Ion: 117 Resp: 333286

Ion Ratio Lower Upper

117 100

82 54.1 36.2 54.2

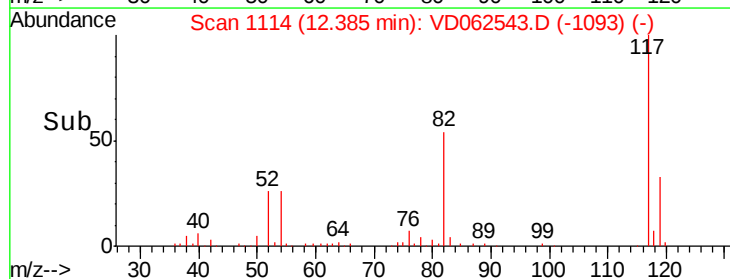
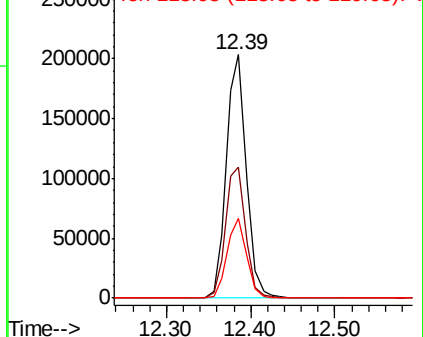
119 32.6 26.2 39.4

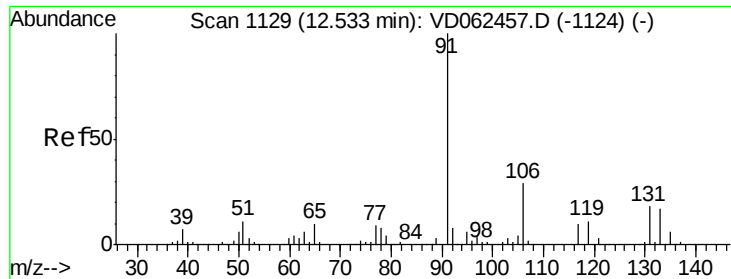


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

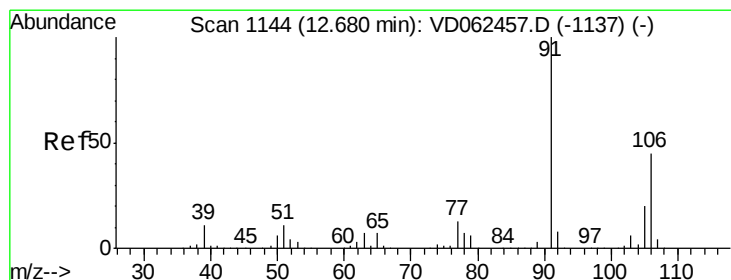
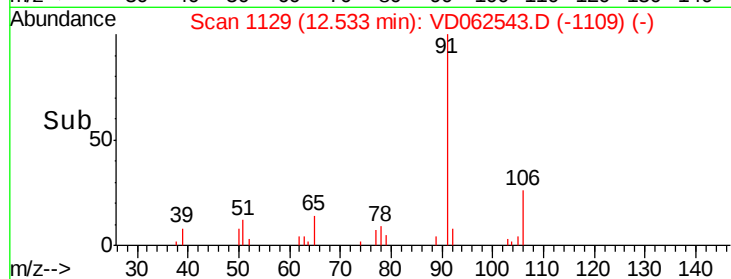
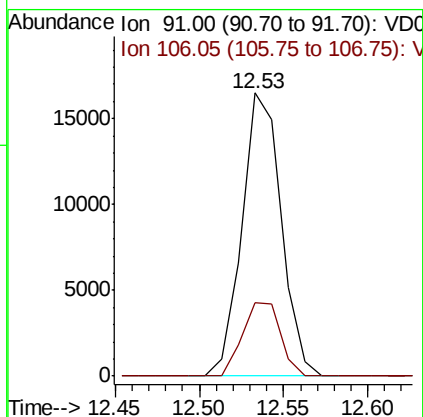
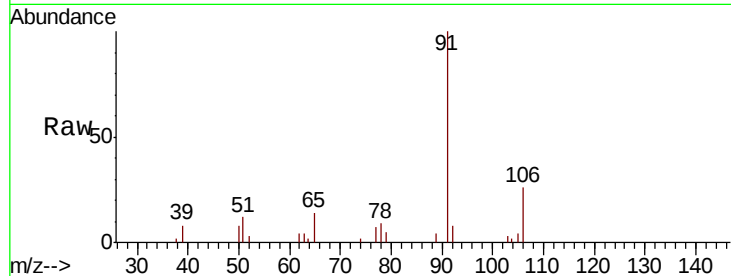




#67
Ethyl Benzene
Concen: 2.410 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VD062543.D
Acq: 28 May 2019 17:13

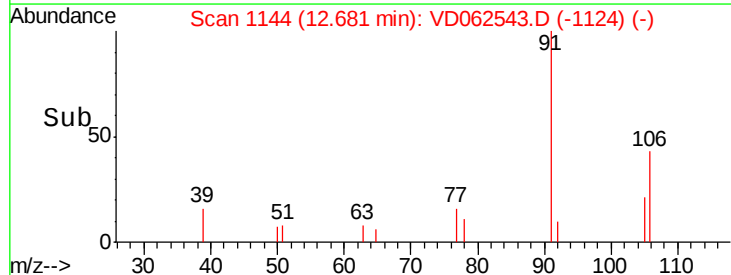
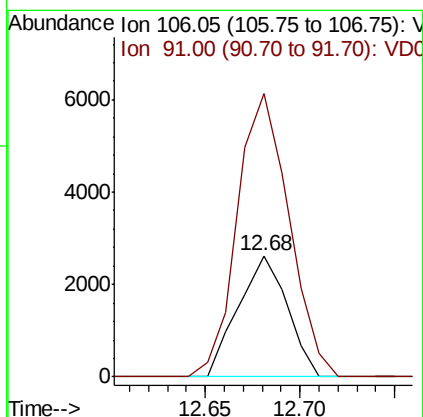
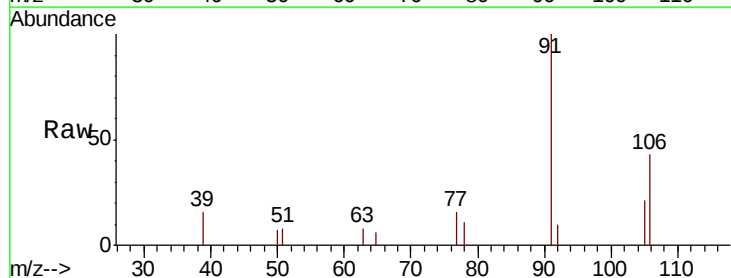
Instrument :
MSVOA_D
ClientSampleId :
B-15-1.5-2.0RE

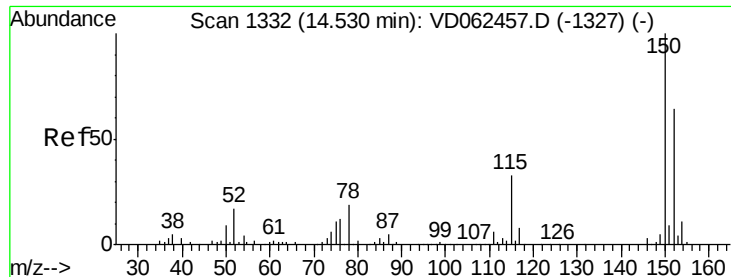
Tot Ion: 91 Resp: 26602
Ion Ratio Lower Upper
91 100
106 25.9 24.7 37.1



#68
m/p-Xylenes
Concen: 1.184 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VD062543.D
Acq: 28 May 2019 17:13

Tgt Ion: 106 Resp: 4691
Ion Ratio Lower Upper
106 100
91 234.2 164.0 246.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VD062543.D

Acq: 28 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

B-15-1.5-2.0RE

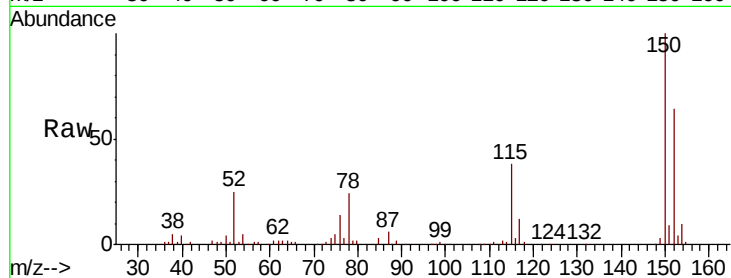
Tot Ion:152 Resp: 174152

Ion Ratio Lower Upper

152 100

115 59.0 30.9 92.7

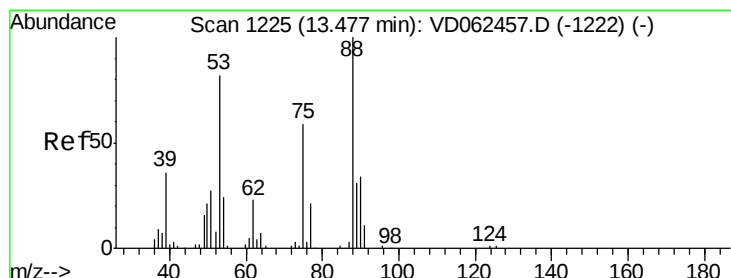
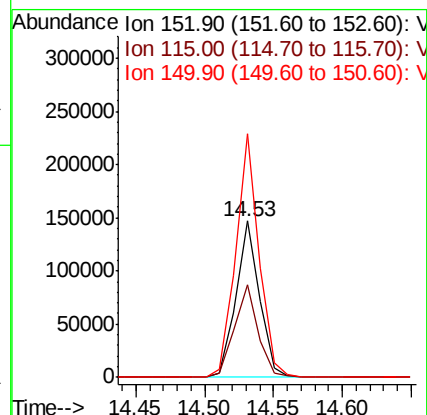
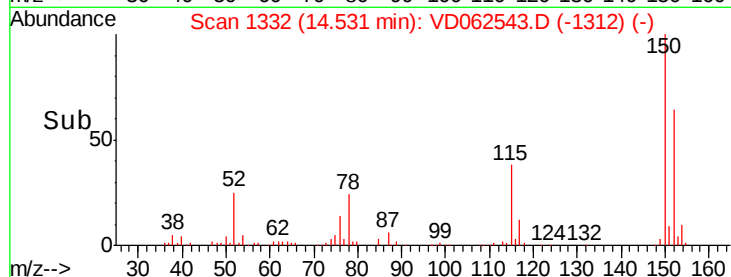
150 155.7 0.0 314.8



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: 122.004 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.09 min

Lab File: VD062543.D

Acq: 28 May 2019 17:13

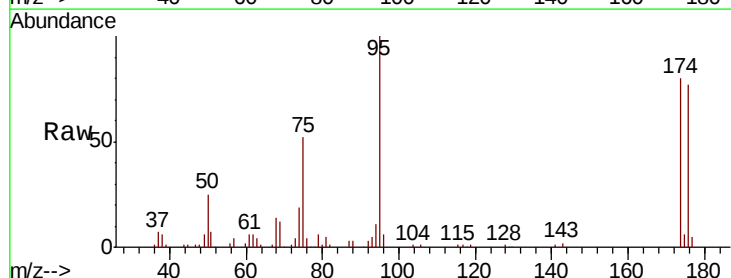
Tgt Ion: 75 Resp: 70582

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

