

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051119\
 Data File : VD062233.D
 Acq On : 11 May 2019 13:18
 Operator : FY/SY
 Sample : K2729-01
 Misc : 6.75g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-1

Quant Time: May 11 22:20:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

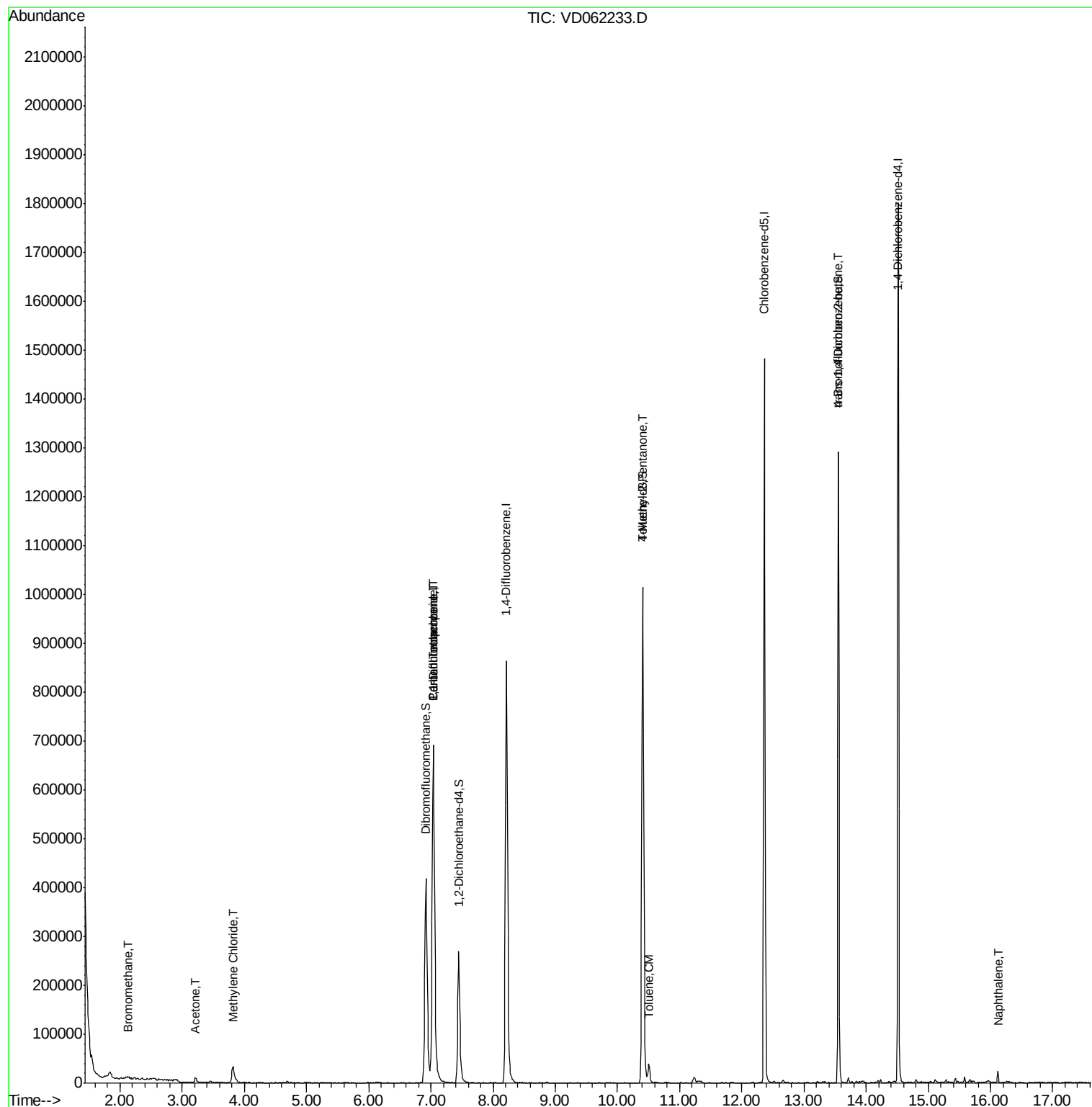
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	687767	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	985006	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	796422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	378550	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	290393	45.43	ug/l	0.03
Spiked Amount 50.000			Recovery	=	90.86%	
35) Dibromofluoromethane	6.92	113	370269	45.31	ug/l	0.03
Spiked Amount 50.000			Recovery	=	90.62%	
50) Toluene-d8	10.40	98	879015	44.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.22%	
62) 4-Bromofluorobenzene	13.55	95	366472	46.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.62%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.14	94	1933	1.766	ug/l #	12
16) Acetone	3.21	43	19435	14.500	ug/l #	77
20) Methylene Chloride	3.82	84	23157	4.138	ug/l	91
36) 1,1-Dichloropropene	7.04	75	51126	6.330	ug/l #	48
38) Carbon Tetrachloride	7.04	117	66456	5.945	ug/l #	16
51) 4-Methyl-2-Pentanone	10.39	43	4270	1.368	ug/l #	1
52) Toluene	10.50	92	19183	1.617	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.55	75	151162	119.023	ug/l #	16
95) Naphthalene	16.12	128	13331	1.373	ug/l	97

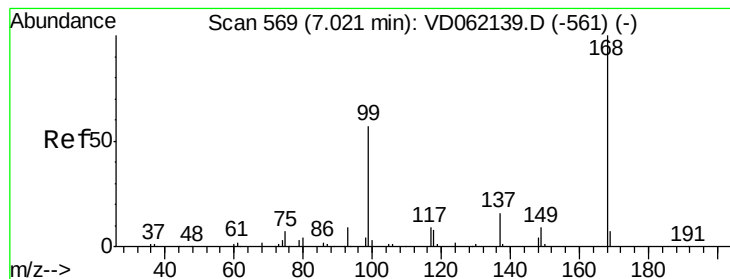
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051119\
Data File : VD062233.D
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Quant Time: May 11 22:20:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD062233.D

Acq: 11 May 2019 13:18

Instrument :

MSVOA_D

ClientSampleId :

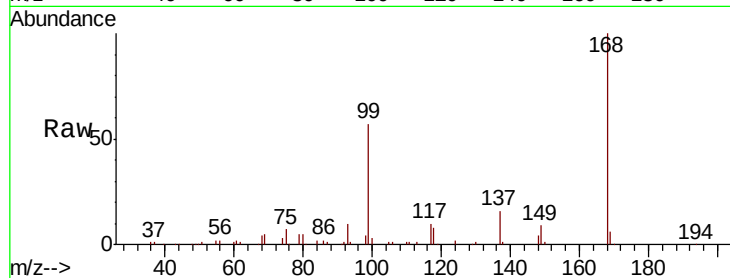
B-1

Tot Ion:168 Resp: 687767

Ion Ratio Lower Upper

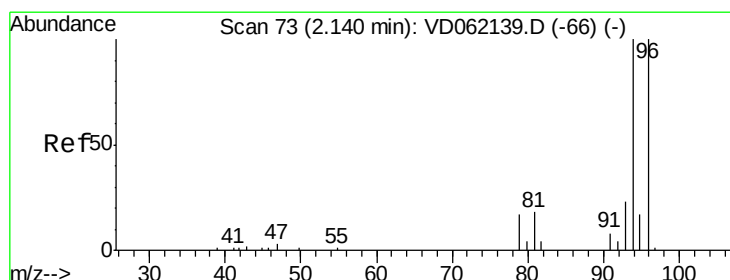
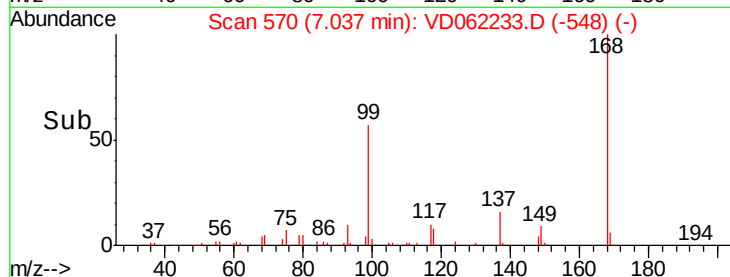
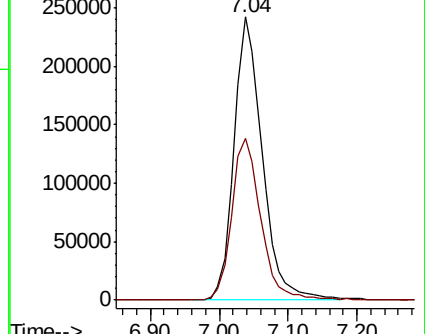
168 100

99 57.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.766 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD062233.D

Acq: 11 May 2019 13:18

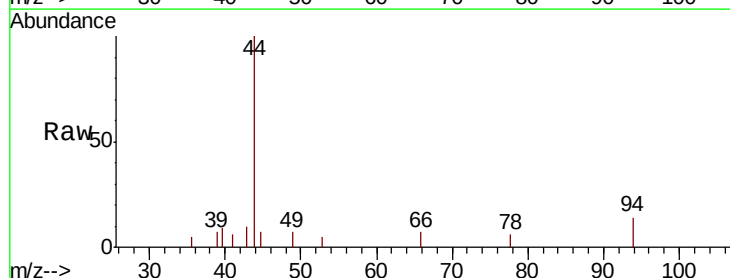
Tgt Ion: 94 Resp: 1933

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

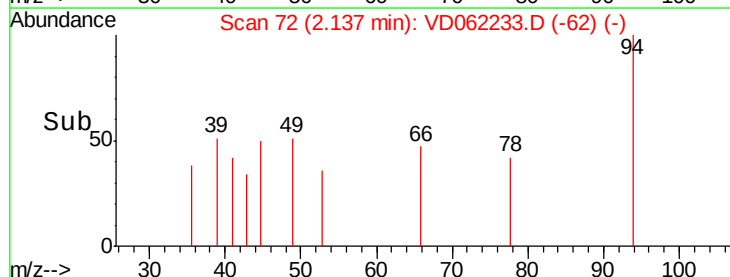
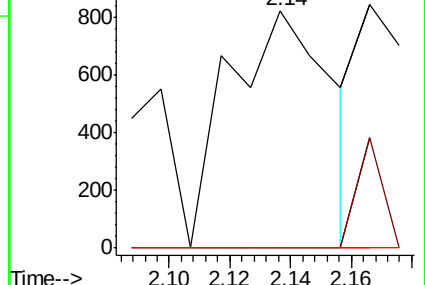
93 0.0 18.5 27.7#

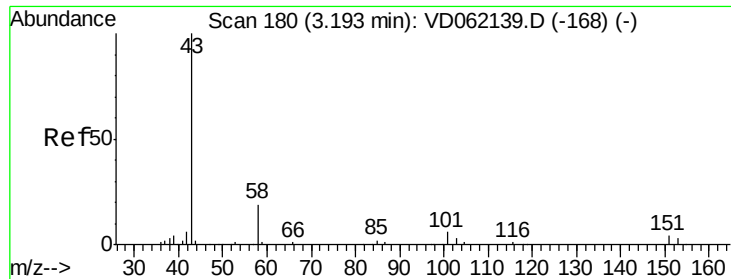


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

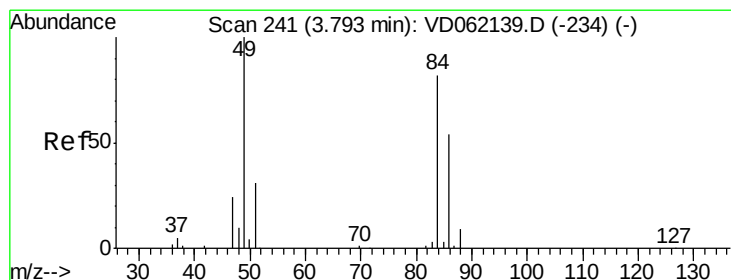
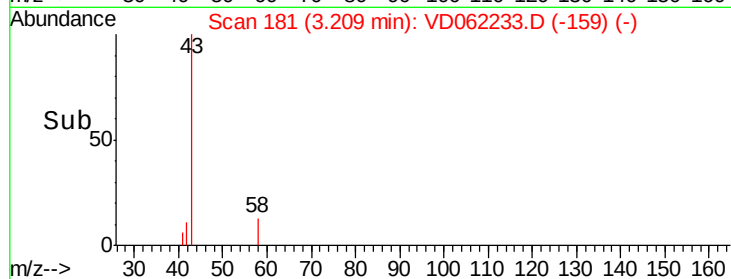
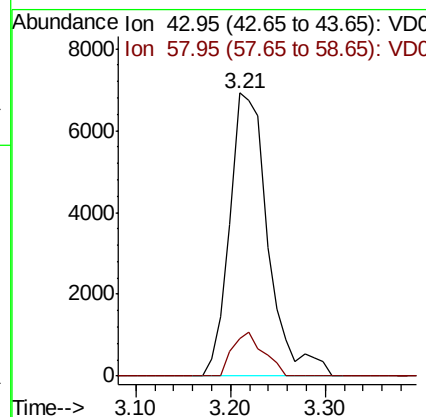
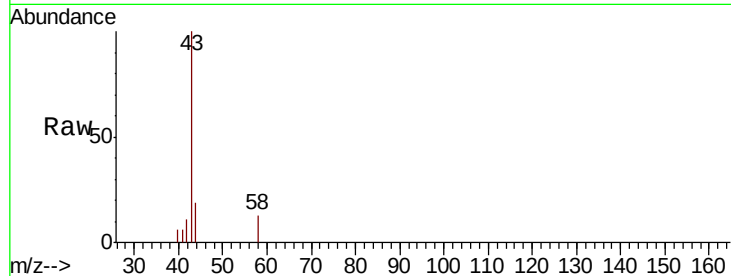




#16
Acetone
Concen: 14.500 ug/l
RT: 3.21 min Scan# 181
Delta R.T. 0.02 min
Lab File: VD062233.D
Acq: 11 May 2019 13:18

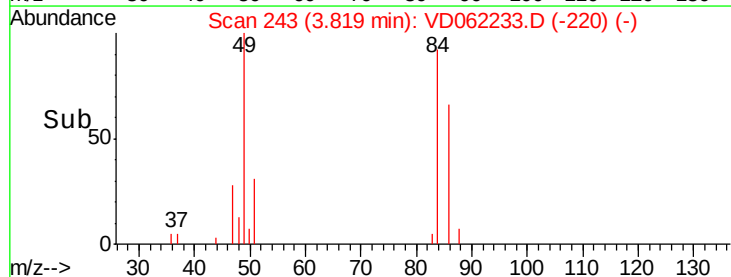
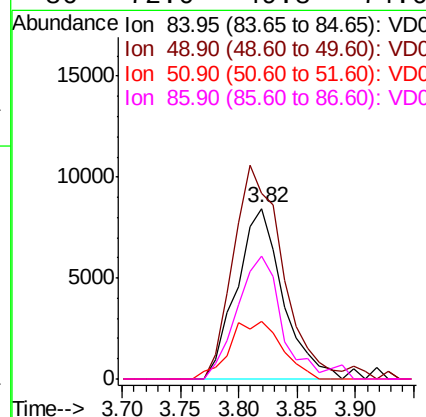
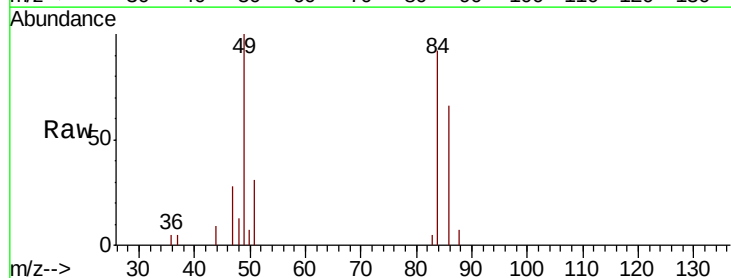
Instrument :
MSVOA_D
ClientSampleId :
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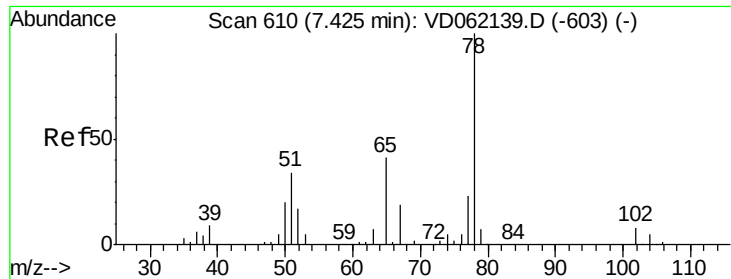
Tot Ion: 43 Resp: 19435
Ion Ratio Lower Upper
43 100
58 13.3 19.9 29.9#



#20
Methylene Chloride
Concen: 4.138 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.03 min
Lab File: VD062233.D
Acq: 11 May 2019 13:18

Tgt Ion: 84 Resp: 23157
Ion Ratio Lower Upper
84 100
49 108.9 94.0 141.0
51 34.1 29.0 43.4
86 72.0 49.8 74.6

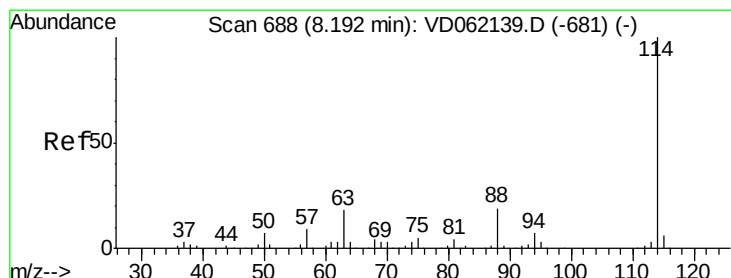
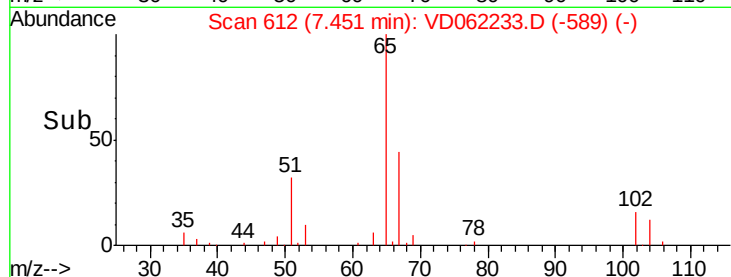
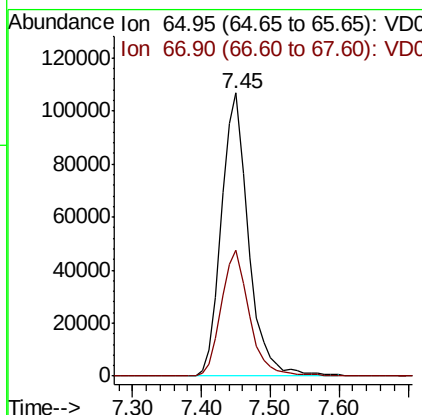
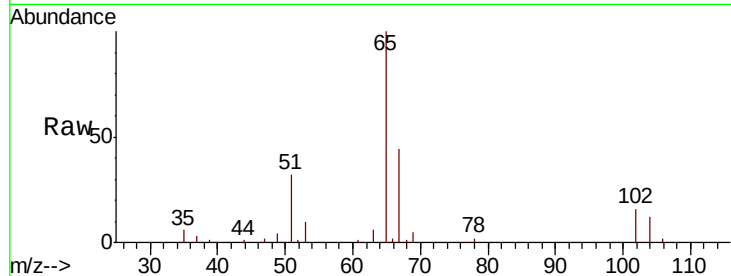




#33
 1,2-Dichloroethane-d4
 Concen: 45.434 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.03 min
 Lab File: VD062233.D
 Acq: 11 May 2019 13:18

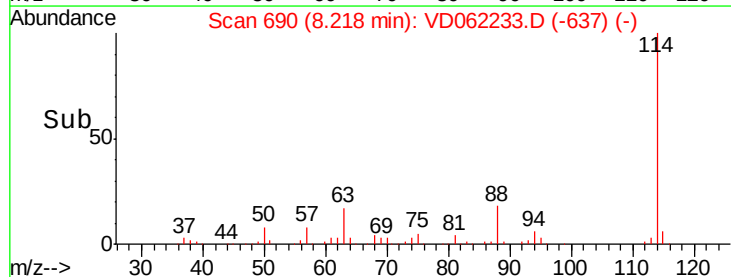
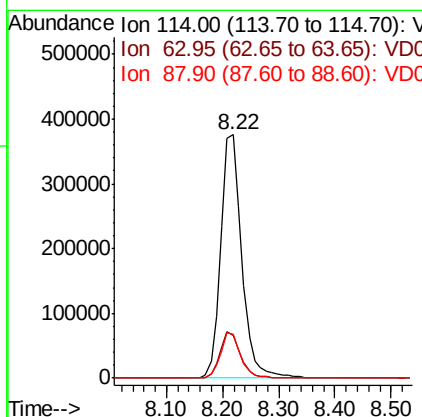
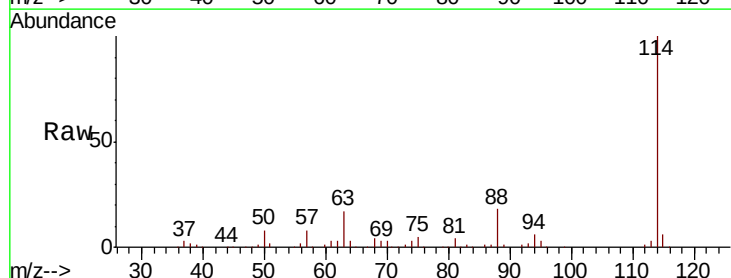
Instrument :
 MSVOA_D
 ClientSampleId :
 B-1

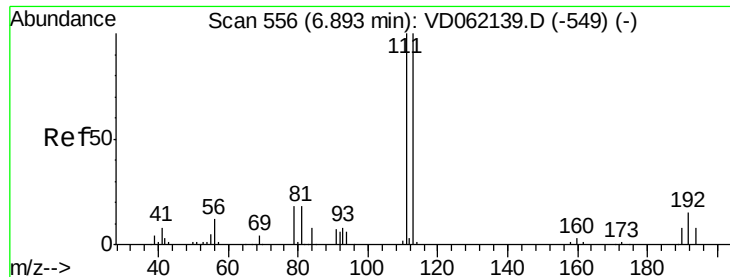
Tot Ion: 65 Resp: 290393
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.03 min
 Lab File: VD062233.D
 Acq: 11 May 2019 13:18

Tgt Ion: 114 Resp: 985006
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 32.4
 88 17.9 0.0 33.6





#35

Dibromofluoromethane

Concen: 45.306 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.03 min

Lab File: VD062233.D

Acq: 11 May 2019 13:18

Instrument :

MSVOA_D

ClientSampleId :

B-1

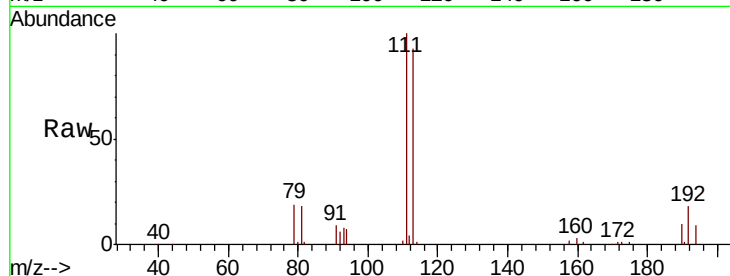
Tot Ion:113 Resp: 370269

Ion Ratio Lower Upper

113 100

111 107.9 78.5 117.7

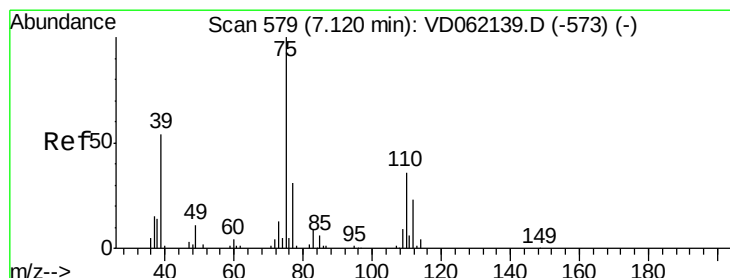
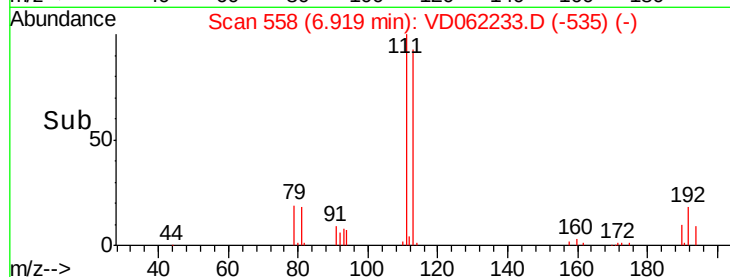
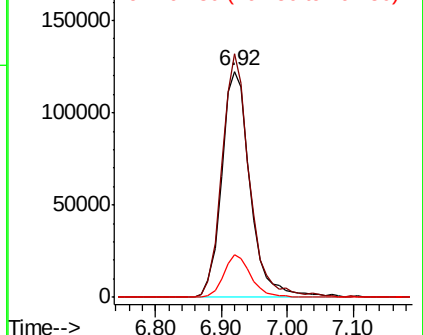
192 19.1 13.0 19.4



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: 6.330 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD062233.D

Acq: 11 May 2019 13:18

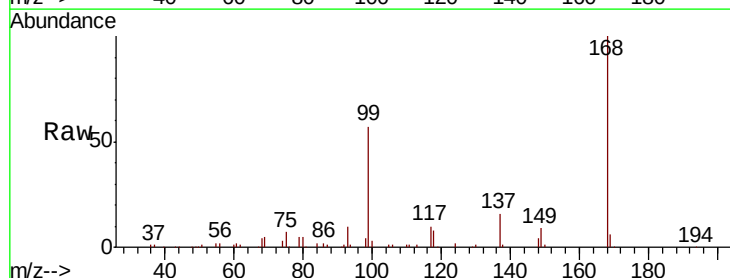
Tgt Ion: 75 Resp: 51126

Ion Ratio Lower Upper

75 100

110 9.5 19.1 57.1#

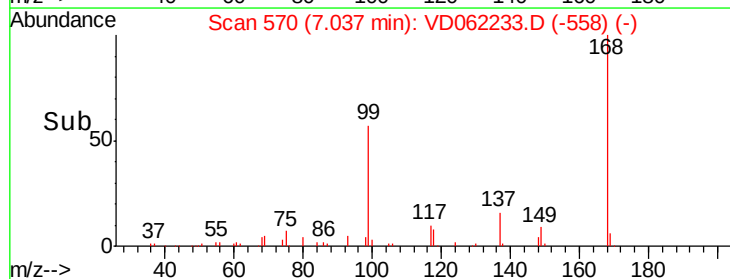
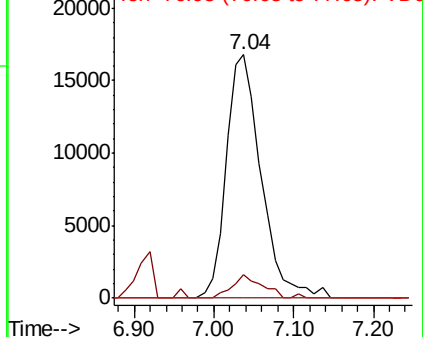
77 0.0 25.6 38.4#

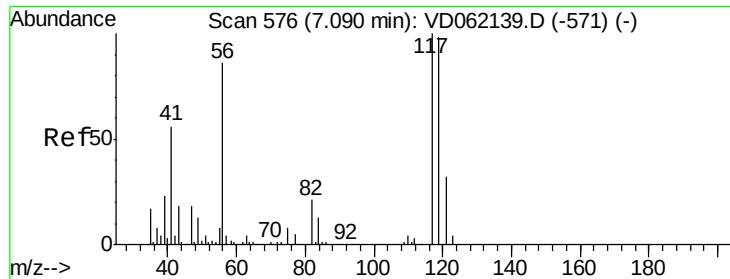


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.945 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD062233.D

Acq: 11 May 2019 13:18

Instrument :

MSVOA_D

ClientSampleId :

B-1

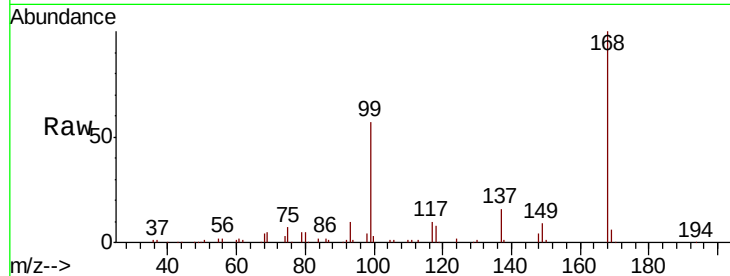
Tot Ion:117 Resp: 66456

Ion Ratio Lower Upper

117 100

119 4.3 75.8 113.8#

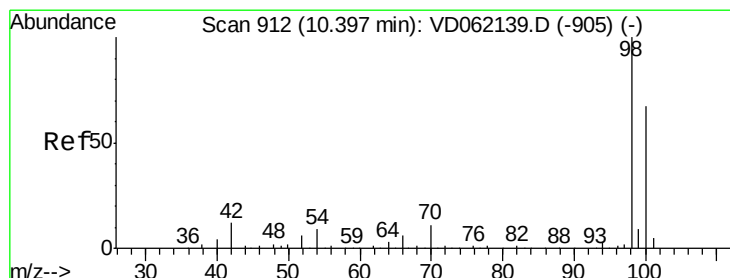
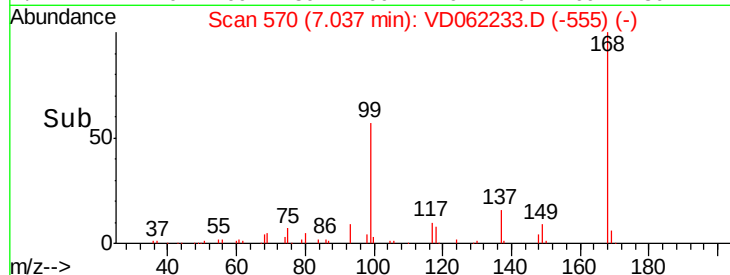
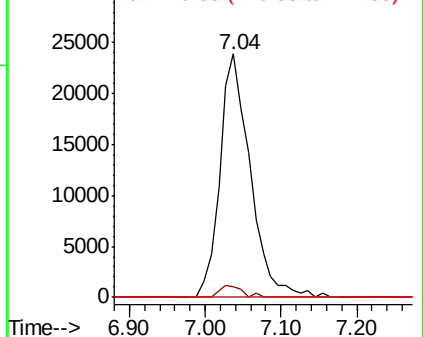
121 0.0 25.9 38.9#



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: 44.609 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD062233.D

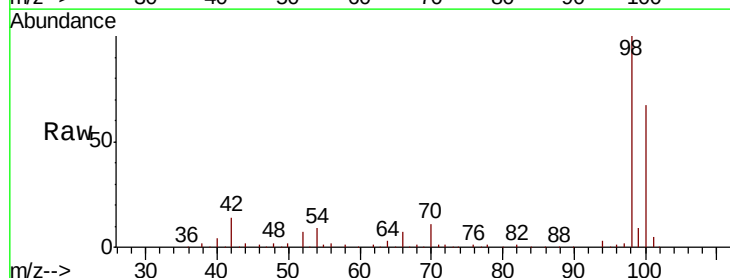
Acq: 11 May 2019 13:18

Tgt Ion: 98 Resp: 879015

Ion Ratio Lower Upper

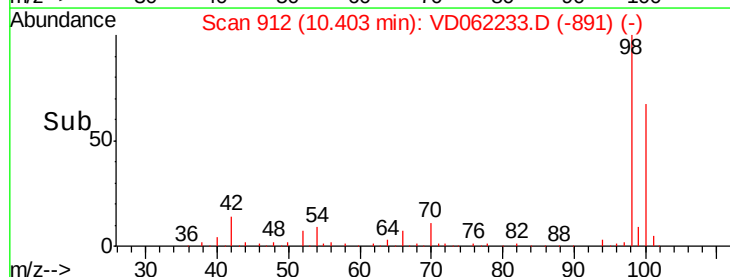
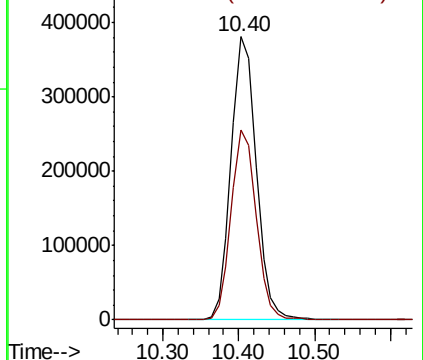
98 100

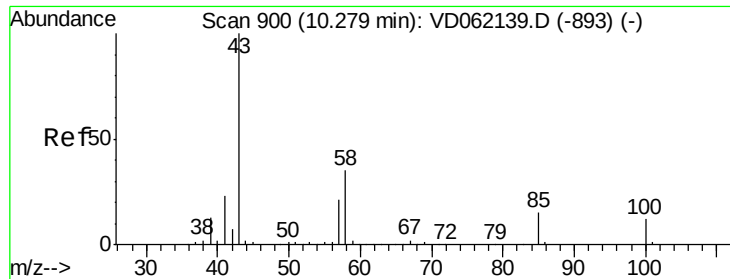
100 67.0 53.8 80.8



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: 1.368 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.11 min

Lab File: VD062233.D

Acq: 11 May 2019 13:18

Instrument :

MSVOA_D

ClientSampleId :

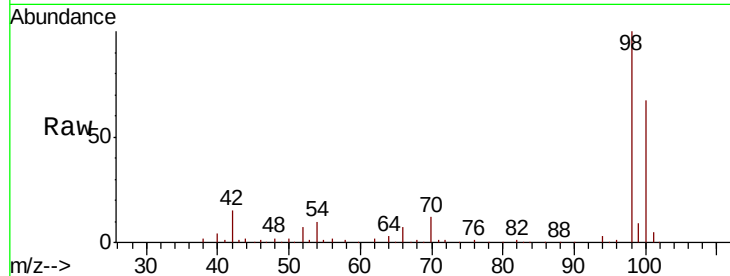
B-1

Tot Ion: 43 Resp: 4270

Ion Ratio Lower Upper

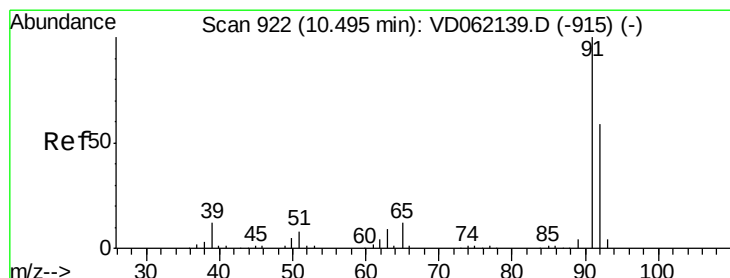
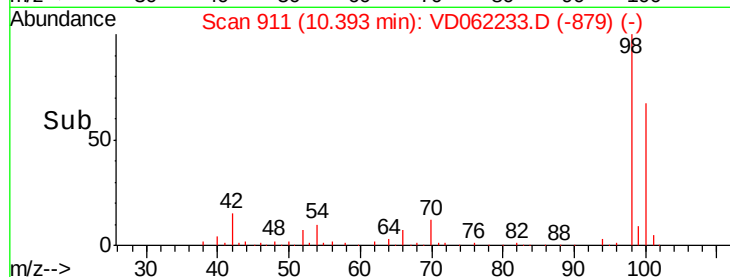
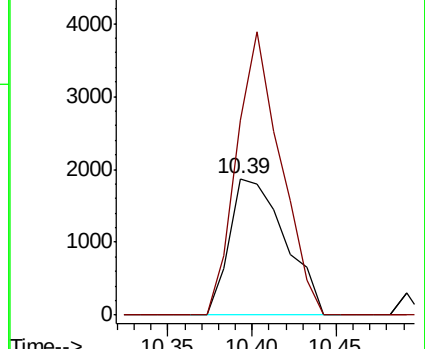
43 100

58 143.4 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 1.617 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD062233.D

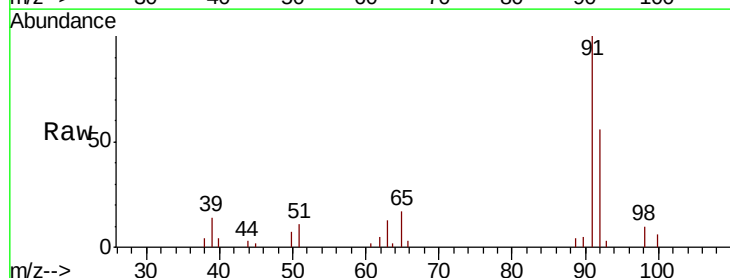
Acq: 11 May 2019 13:18

Tgt Ion: 92 Resp: 19183

Ion Ratio Lower Upper

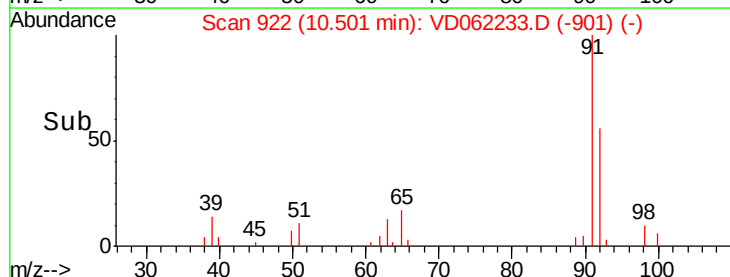
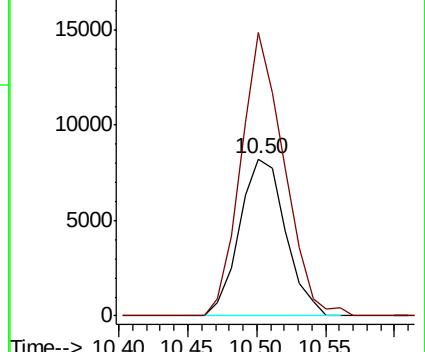
92 100

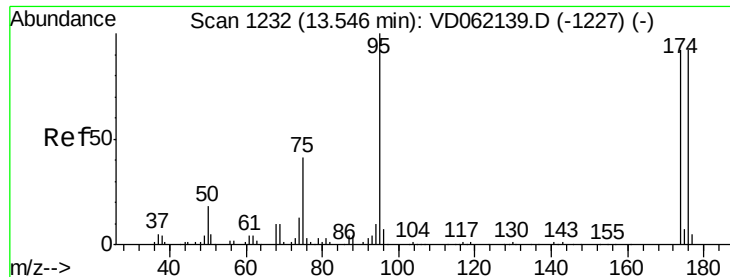
91 180.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: 46.314 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD062233.D

Acq: 11 May 2019 13:18

Instrument :

MSVOA_D

ClientSampleId :

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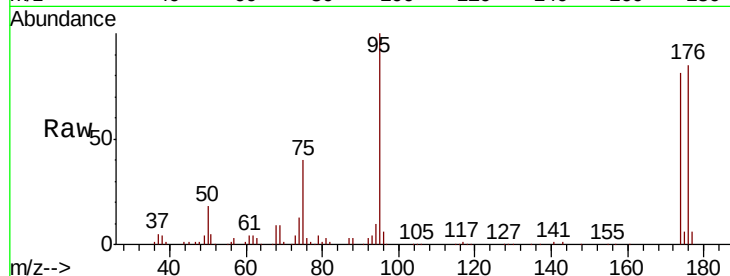
Tot Ion: 95 Resp: 366472

Ion Ratio Lower Upper

95 100

174 81.4 0.0 181.8

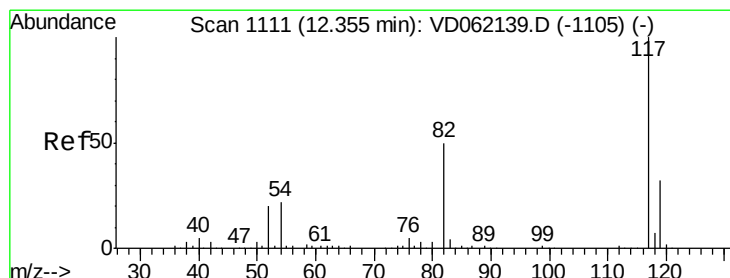
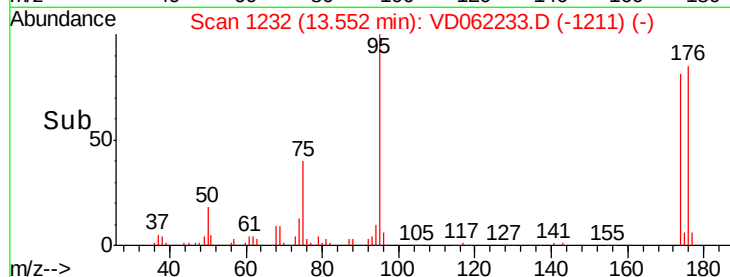
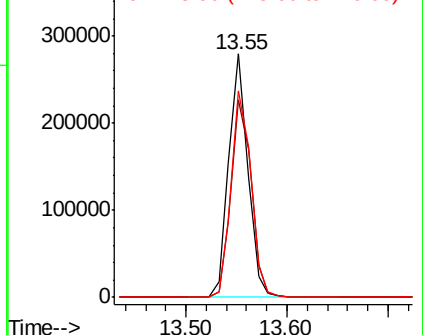
176 84.6 0.0 174.4



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: 12.36 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD062233.D

Acq: 11 May 2019 13:18

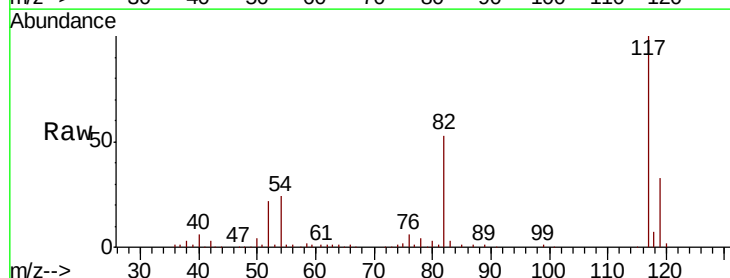
Tgt Ion: 117 Resp: 796422

Ion Ratio Lower Upper

117 100

82 53.1 36.2 54.2

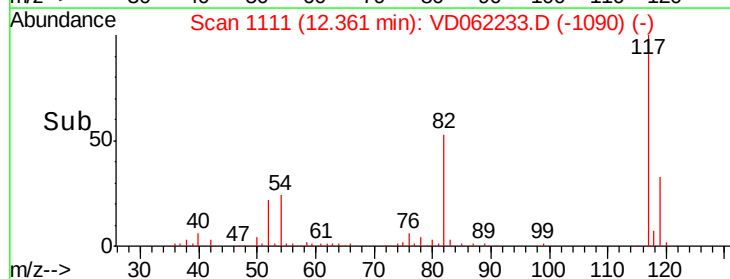
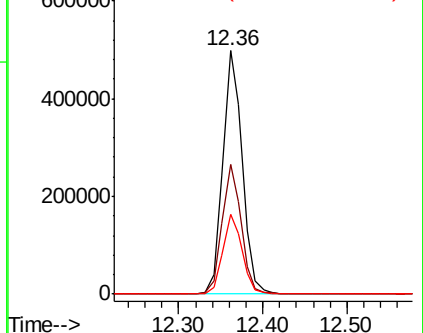
119 32.6 26.2 39.4

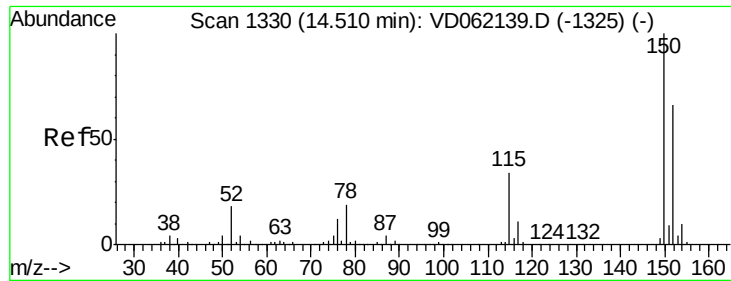


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD062233.D

Acq: 11 May 2019 13:18

Instrument :

MSVOA_D

ClientSampleId :

B-1

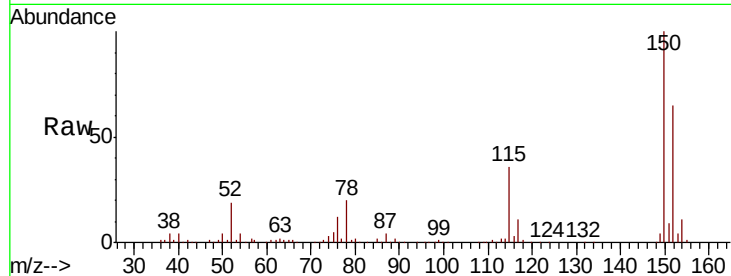
Tot Ion:152 Resp: 378550

Ion Ratio Lower Upper

152 100

115 55.3 30.9 92.7

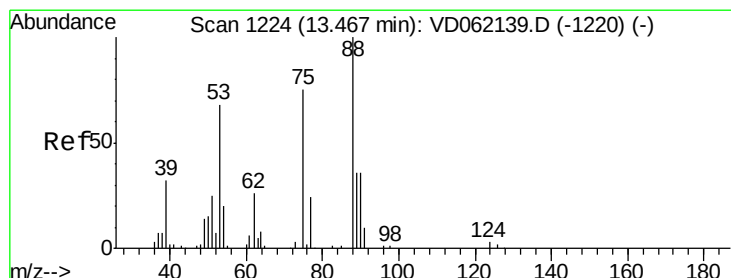
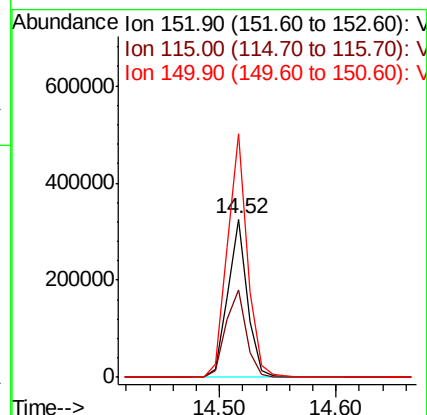
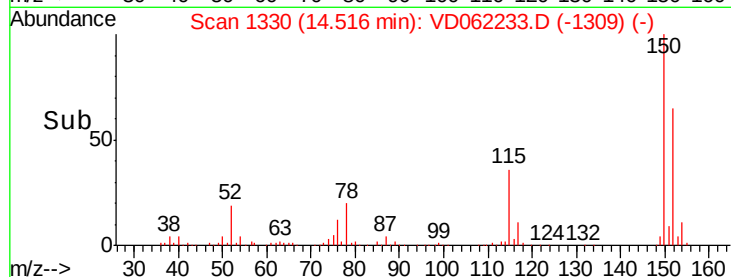
150 154.0 0.0 314.8



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: 119.023 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD062233.D

Acq: 11 May 2019 13:18

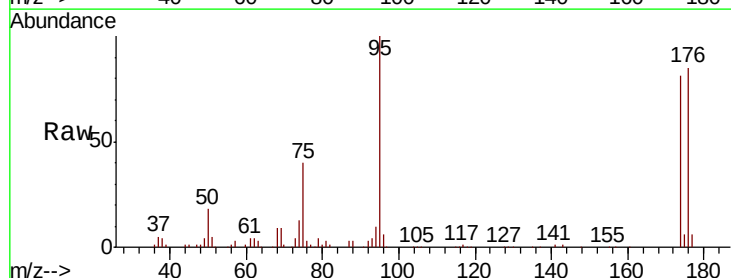
Tgt Ion: 75 Resp: 151162

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

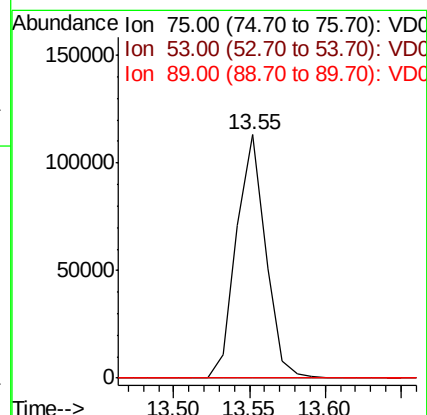
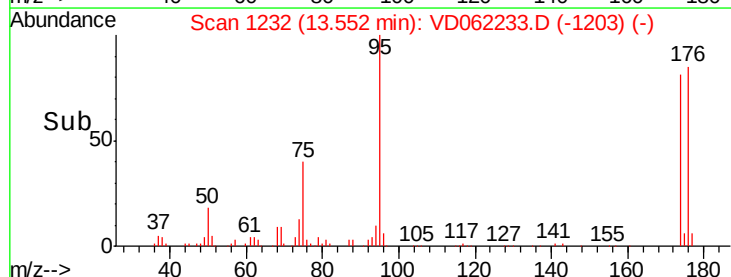
89 0.0 35.0 52.6#

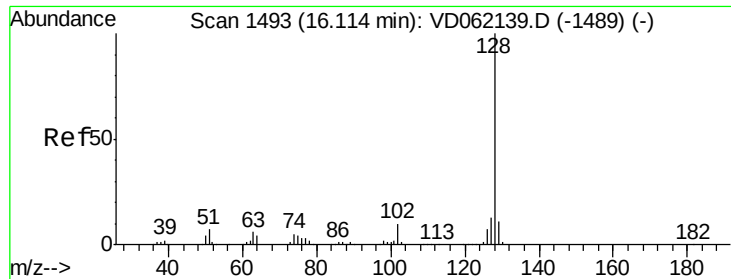


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V





#95

Naphthalene

Concen: 1.373 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD062233.D

Acq: 11 May 2019 13:18

Instrument :

MSVOA_D

ClientSampleId :

B-1

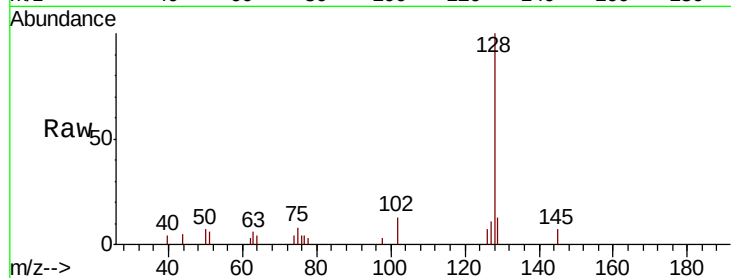
Tot Ion:128 Resp: 13331

Ion Ratio Lower Upper

128 100

127 11.3 9.8 14.8

129 12.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

