

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062822.D
 Acq On : 21 Jun 2019 17:53
 Operator : VA/AP
 Sample : K3470-09RE
 Misc : 5.95µl/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-6RE

Quant Time: Jun 22 04:14:28 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	601699	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.24	114	808798	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	612816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	246743	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	383386	58.62	ug/l	0.00
Spiked Amount			Recovery	=	117.24%	
35) Dibromofluoromethane	6.95	113	377375	55.34	ug/l	0.01
Spiked Amount			Recovery	=	110.68%	
50) Toluene-d8	10.42	98	676971	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
62) 4-Bromofluorobenzene	13.56	95	265659	39.36	ug/l	0.00
Spiked Amount			Recovery	=	78.72%	

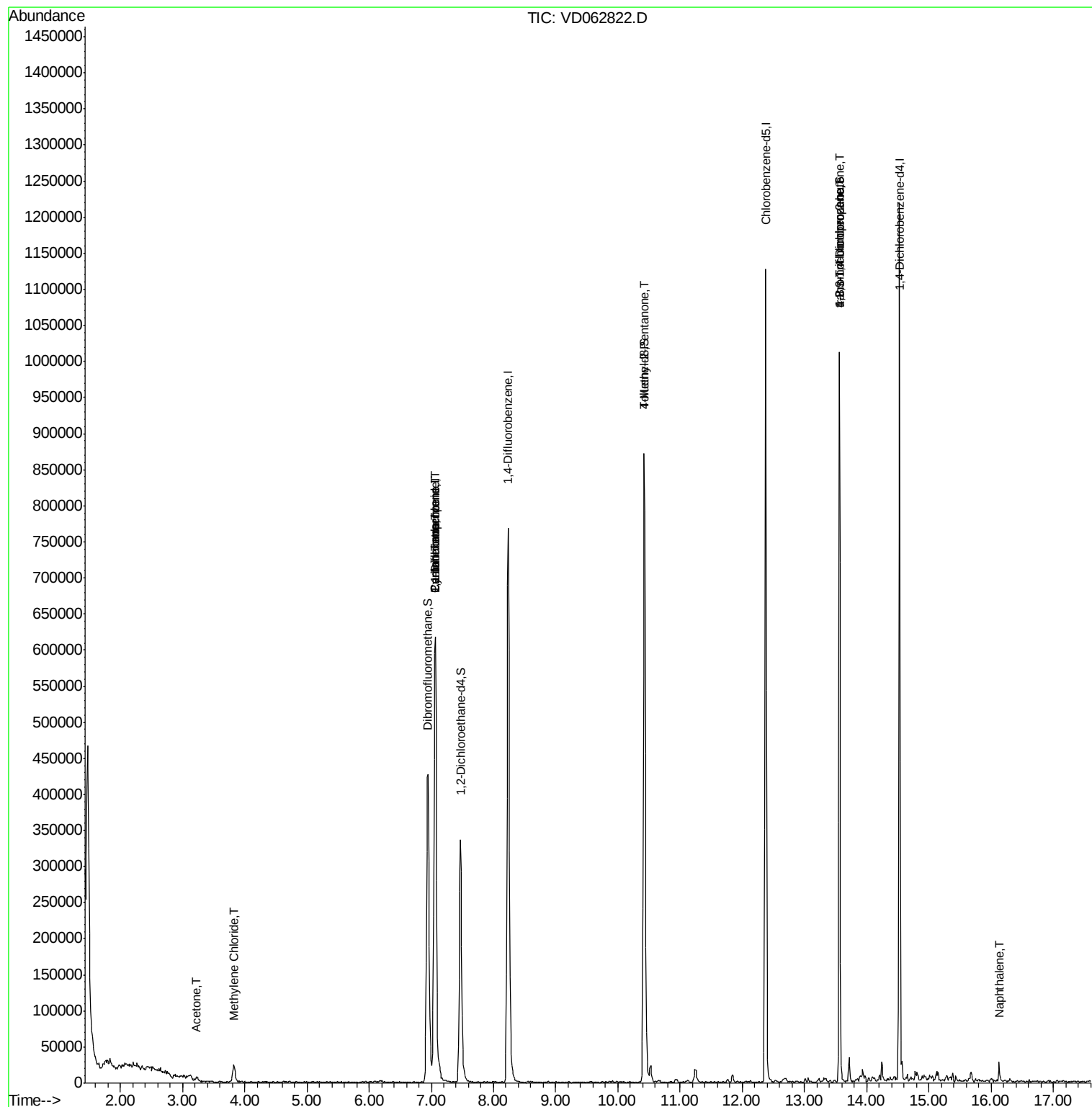
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.24	43	14034	3.689	ug/l #	91
20) Methylene Chloride	3.83	84	14321	2.871	ug/l	89
31) Cyclohexane	7.05	56	15454	2.516	ug/l #	4
36) 1,1-Dichloropropene	7.06	75	46886	6.124	ug/l #	52
37) Ethyl Acetate	6.26	43	248	Below Cal	#	69
38) Carbon Tetrachloride	7.06	117	62977	5.469	ug/l #	19
51) 4-Methyl-2-Pentanone	10.43	43	5767	2.026	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	103884	36.470	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	132000	176.816	ug/l #	2
95) Naphthalene	16.13	128	15144	2.119	ug/l #	91

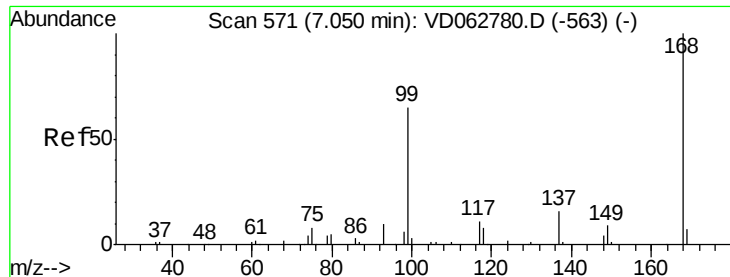
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 22 04:14:28 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# 573

Delta R.T. 0.01 min

Lab File: VD062822.D

Acq: 21 Jun 2019 17:53

Instrument :

MSVOA_D

ClientSampleId :

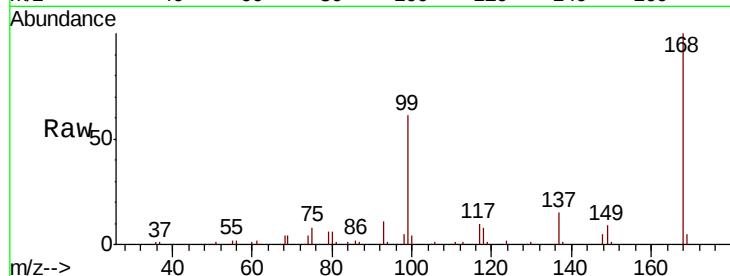
SAMPLE-6RE

Tot Ion:168 Resp: 601699

Ion Ratio Lower Upper

168 100

99 60.6 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

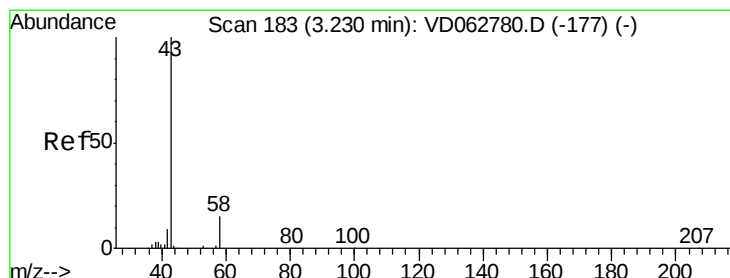
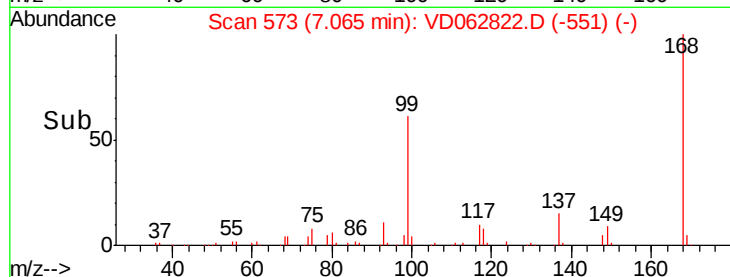
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 3.689 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062822.D

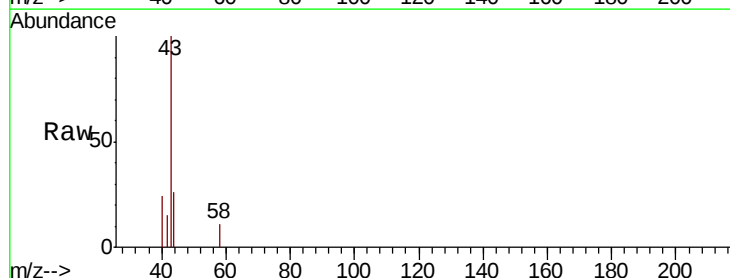
Acq: 21 Jun 2019 17:53

Tgt Ion: 43 Resp: 14034

Ion Ratio Lower Upper

43 100

58 11.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.24

5000

4000

3000

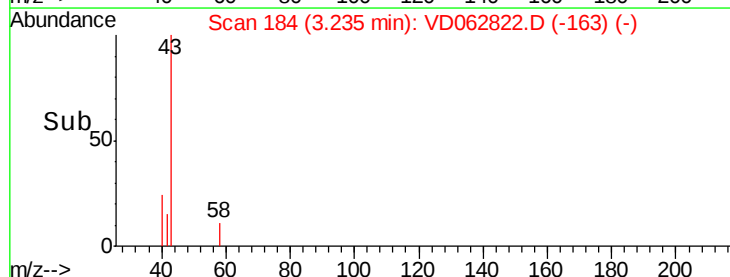
2000

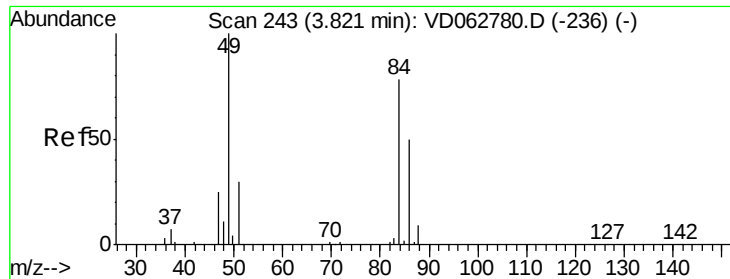
1000

0

Time-->

3.20 3.30

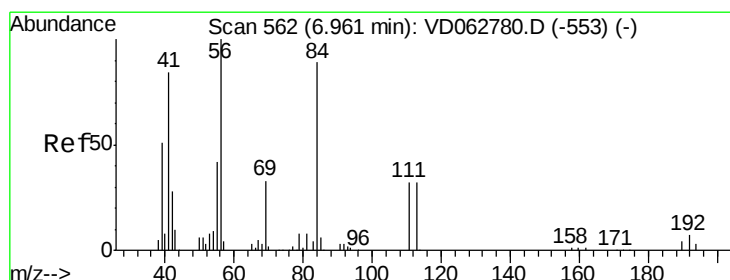
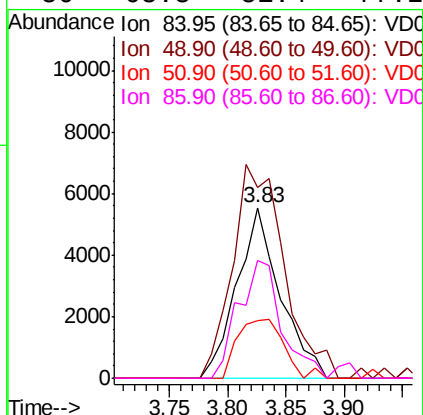
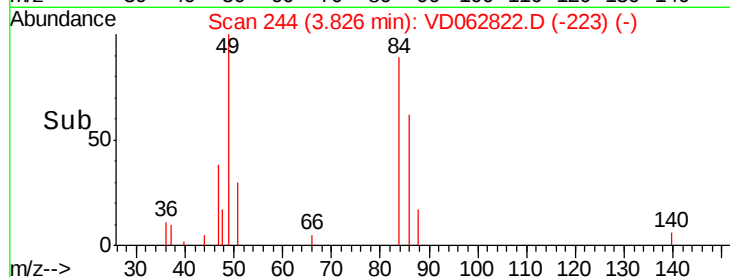
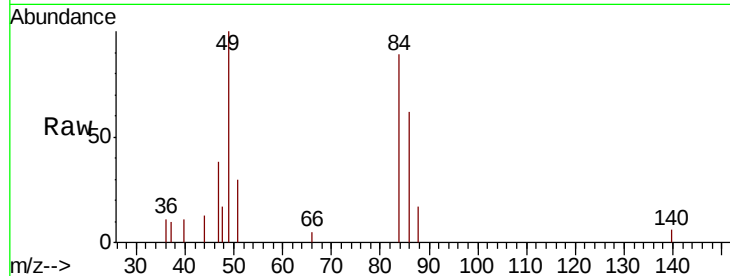




#20
Methylene Chloride
Concen: 2.871 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD062822.D
Acq: 21 Jun 2019 17:53

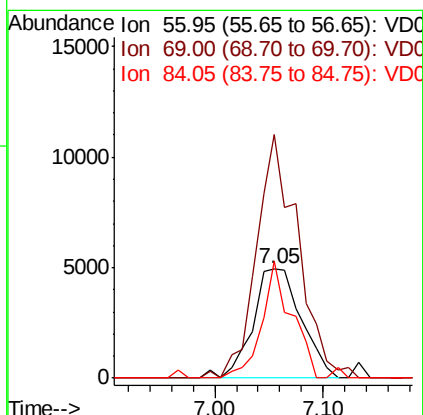
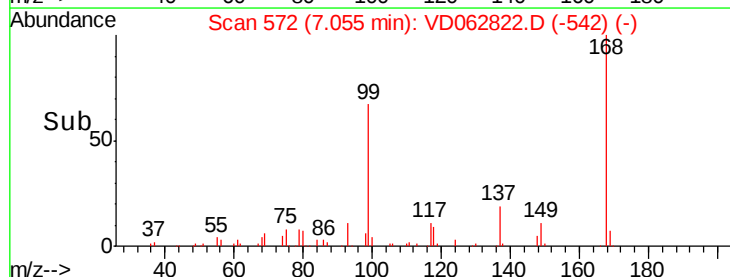
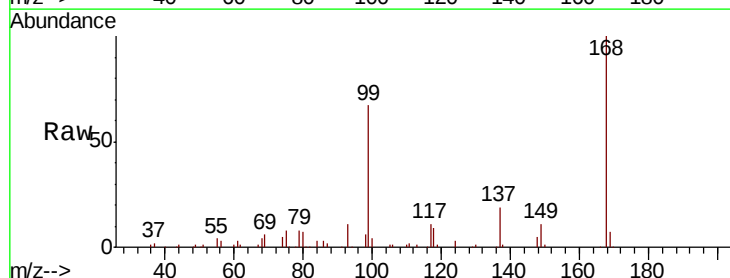
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-6RE

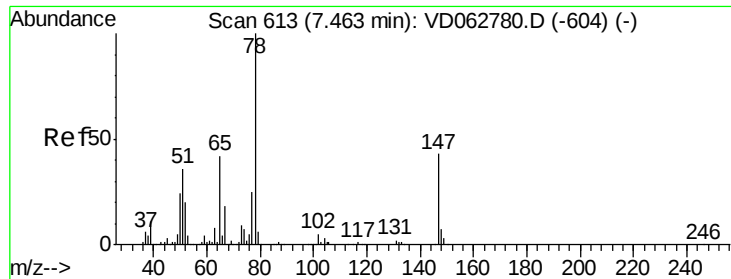
Tot Ion: 84 Resp: 14321
Ion Ratio Lower Upper
84 100
49 111.9 102.9 154.3
51 33.7 31.2 46.8
86 68.8 51.4 77.2



#31
Cyclohexane
Concen: 2.516 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.09 min
Lab File: VD062822.D
Acq: 21 Jun 2019 17:53

Tgt Ion: 56 Resp: 15454
Ion Ratio Lower Upper
56 100
69 222.3 26.6 39.8#
84 106.7 75.5 113.3





#33

1,2-Dichloroethane-d4

Concen: 58.618 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD062822.D

Acq: 21 Jun 2019 17:53

Instrument :

MSVOA_D

ClientSampleId :

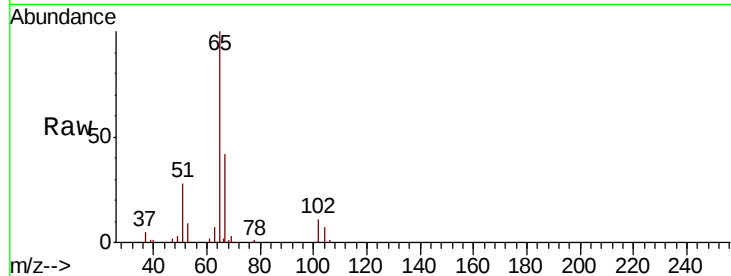
SAMPLE-6RE

Tot Ion: 65 Resp: 383386

Ion Ratio Lower Upper

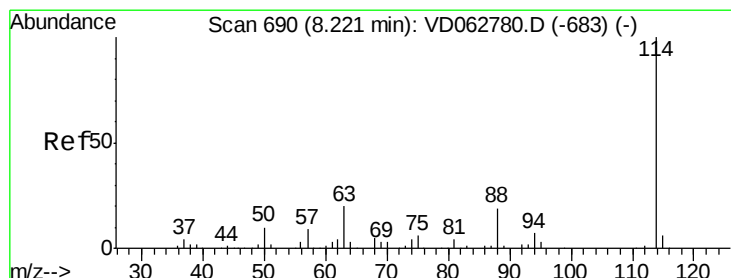
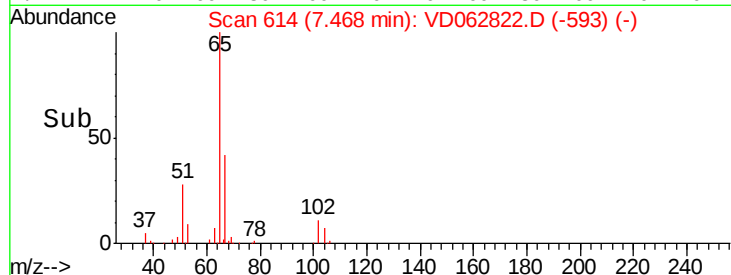
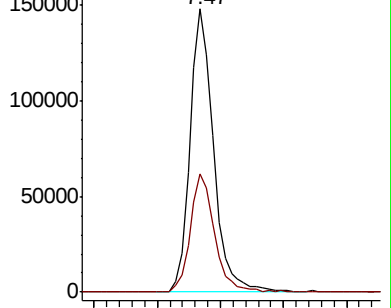
65 100

67 41.6 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: 8.24 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD062822.D

Acq: 21 Jun 2019 17:53

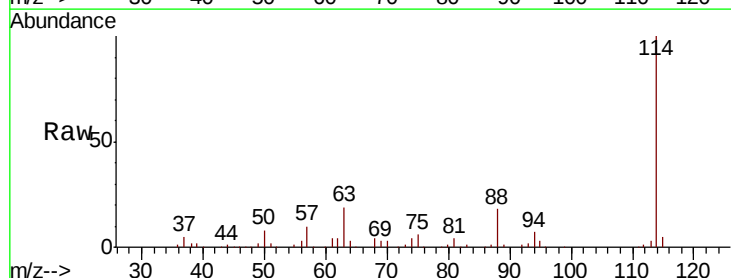
Tgt Ion: 114 Resp: 808798

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

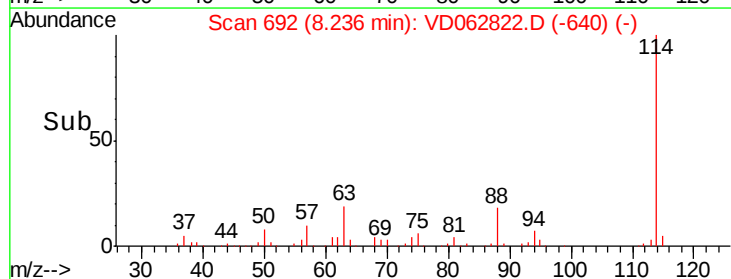
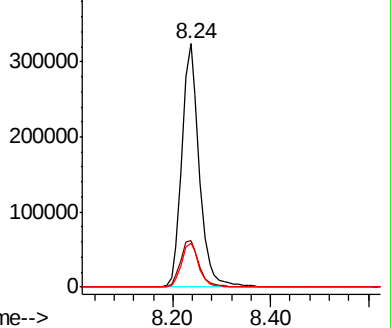
88 17.9 0.0 38.8

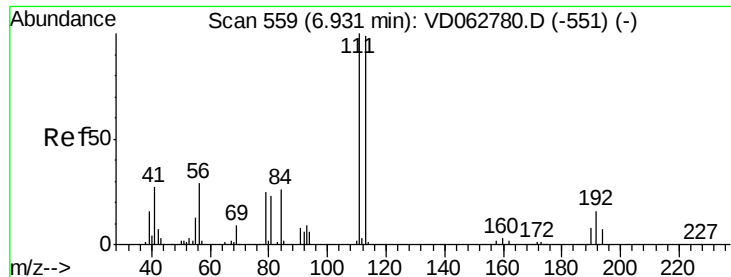


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 55.336 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD062822.D

Acq: 21 Jun 2019 17:53

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-6RE

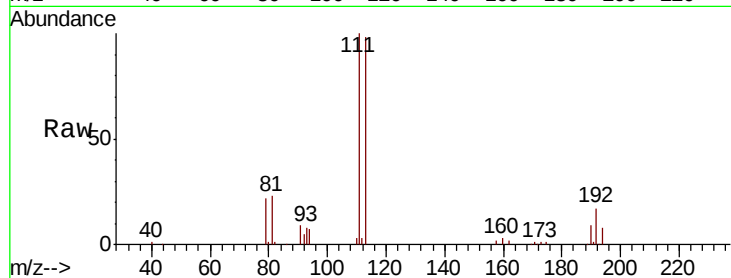
Tot Ion:113 Resp: 377375

Ion Ratio Lower Upper

113 100

111 102.5 81.2 121.8

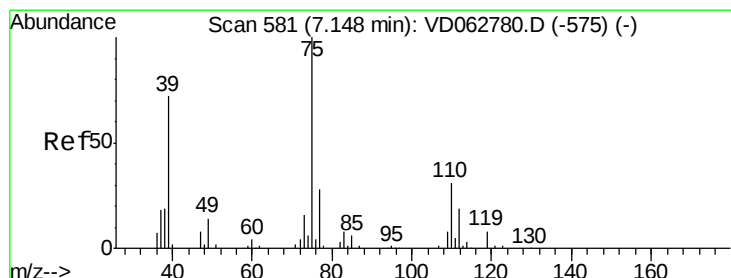
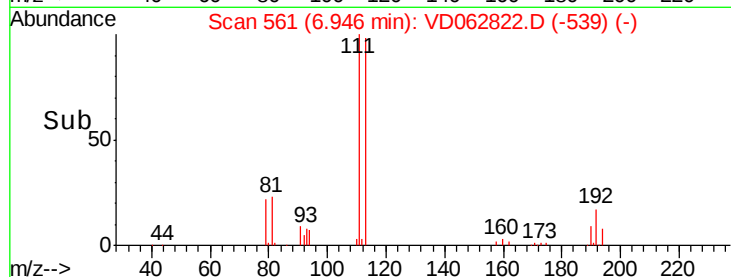
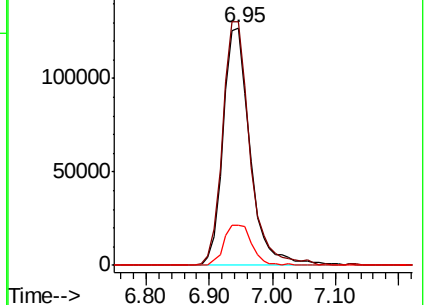
192 17.1 12.9 19.3



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: 6.124 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.08 min

Lab File: VD062822.D

Acq: 21 Jun 2019 17:53

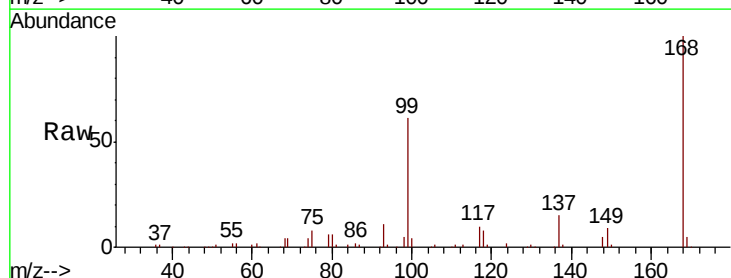
Tgt Ion: 75 Resp: 46886

Ion Ratio Lower Upper

75 100

110 6.0 15.0 45.1#

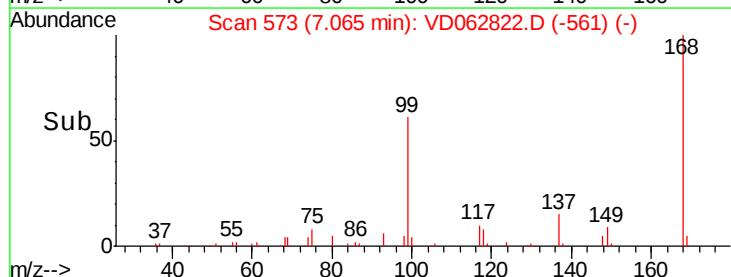
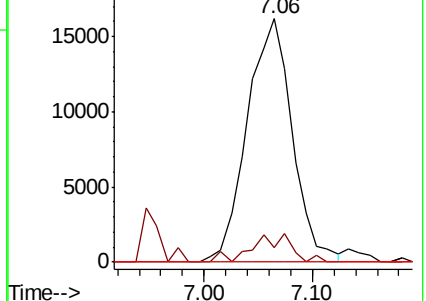
77 0.0 22.2 33.2#

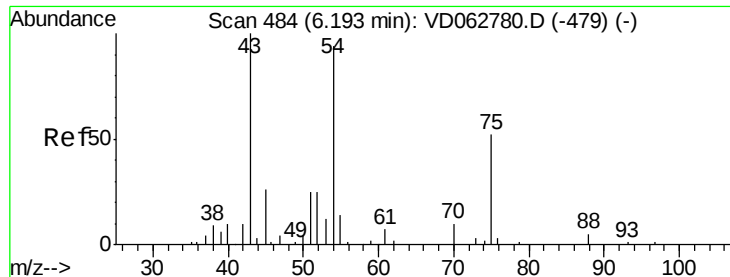


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

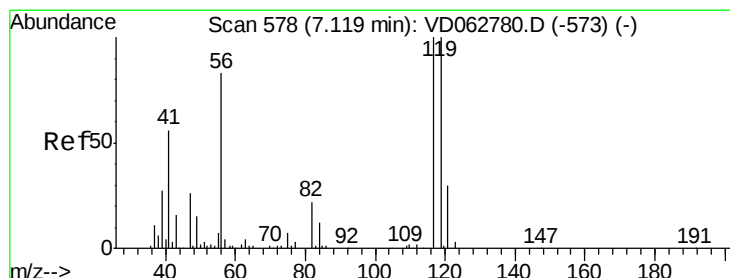
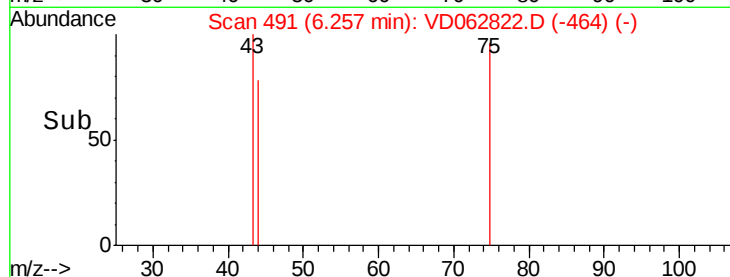
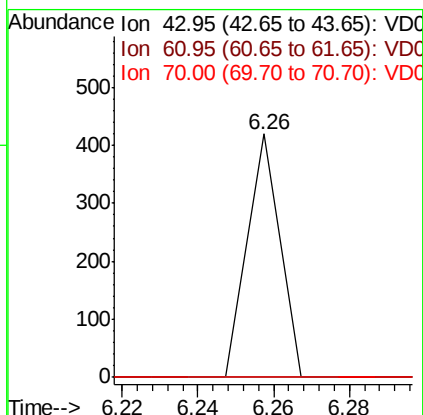
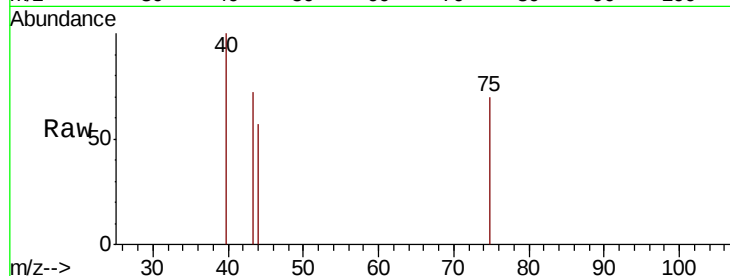




#37
Ethyl Acetate
Concen: Below Cal
RT: 6.26 min Scan# 491
Delta R.T. 0.06 min
Lab File: VD062822.D
Acq: 21 Jun 2019 17:53

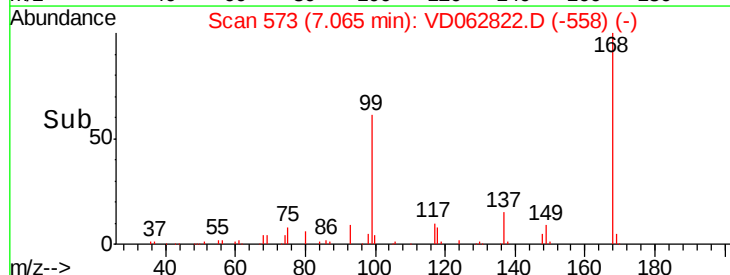
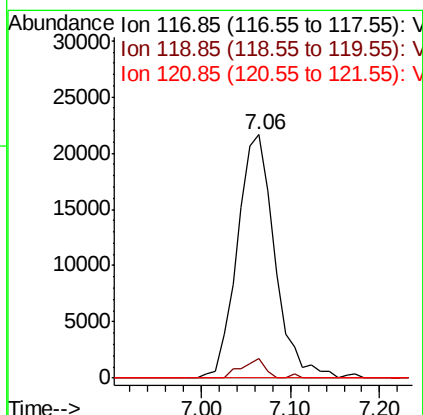
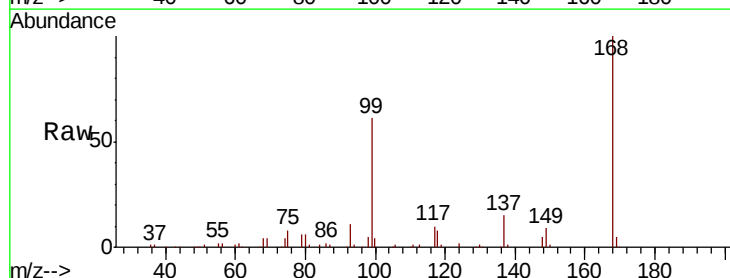
Instrument :
MSVOA_D
ClientSampleID :
SAMPLE-6RE

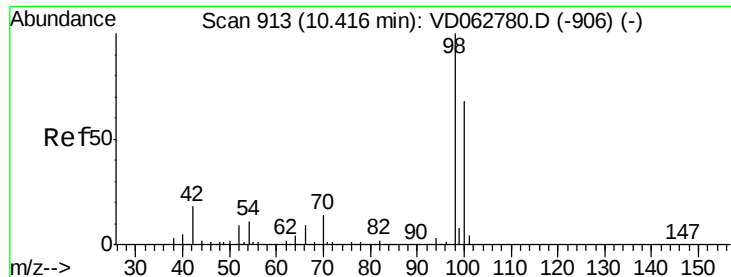
Tot Ion: 43 Resp: 248
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 5.469 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.05 min
Lab File: VD062822.D
Acq: 21 Jun 2019 17:53

Tgt Ion: 117 Resp: 62977
Ion Ratio Lower Upper
117 100
119 7.9 75.4 113.2#
121 0.0 22.3 33.5#





#50

Toluene-d8

Concen: 45.609 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD062822.D

Acq: 21 Jun 2019 17:53

Instrument :

MSVOA_D

ClientSampleId :

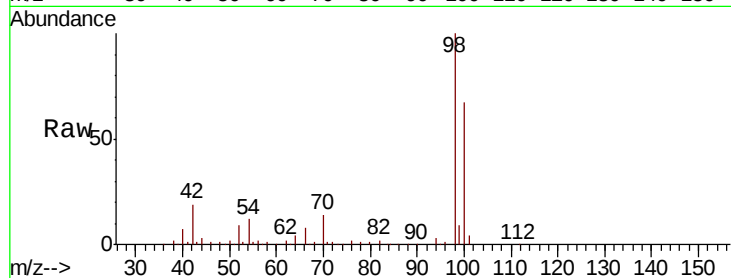
SAMPLE-6RE

Tot Ion: 98 Resp: 676971

Ion Ratio Lower Upper

98 100

100 67.3 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.42

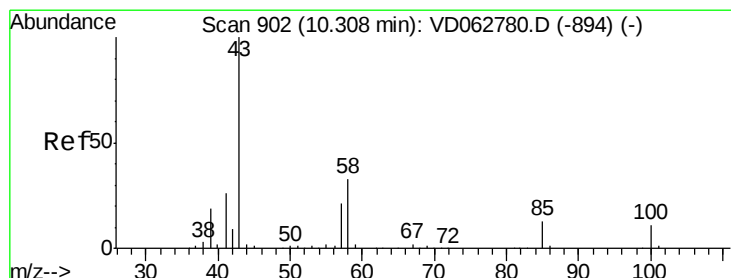
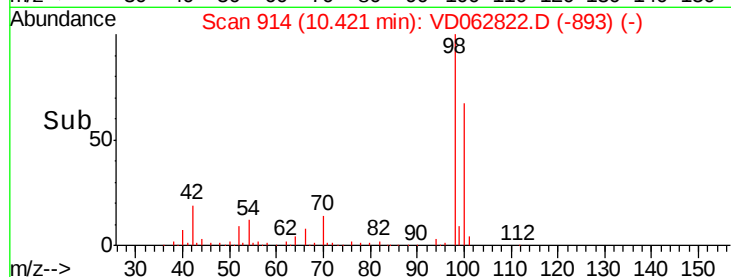
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.026 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.12 min

Lab File: VD062822.D

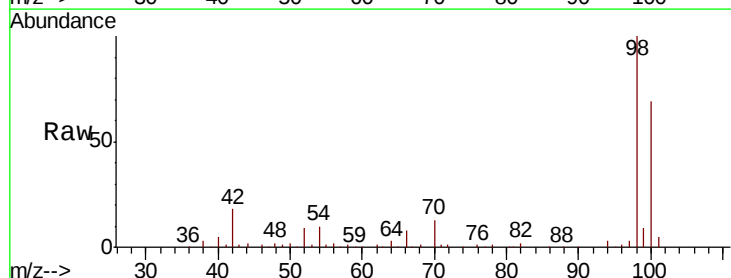
Acq: 21 Jun 2019 17:53

Tgt Ion: 43 Resp: 5767

Ion Ratio Lower Upper

43 100

58 103.1 26.6 40.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.43

3000

2500

2000

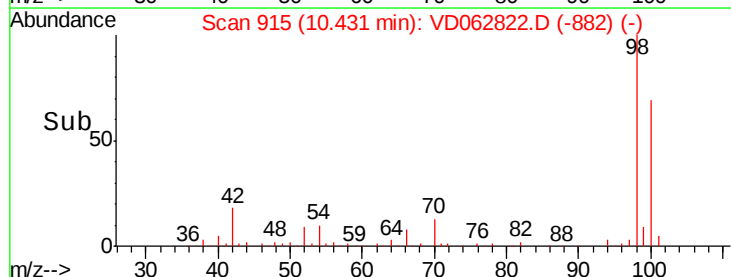
1500

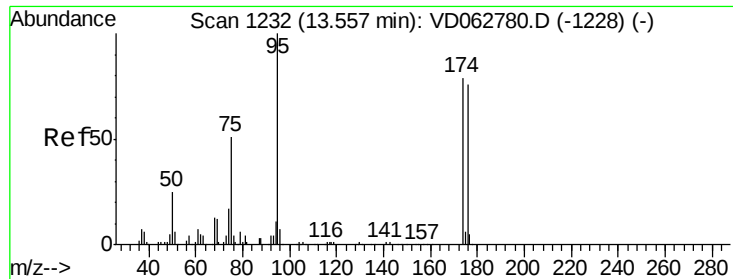
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 39.362 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062822.D

Acq: 21 Jun 2019 17:53

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-6RE

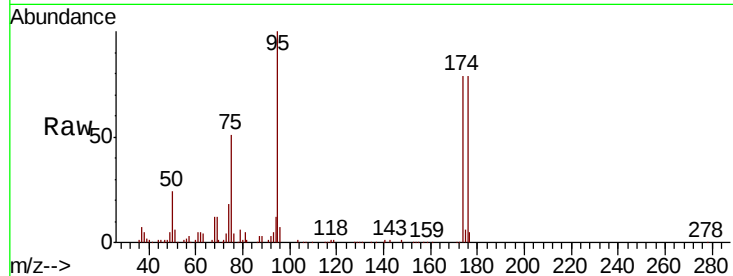
Tot Ion: 95 Resp: 265659

Ion Ratio Lower Upper

95 100

174 79.3 0.0 158.0

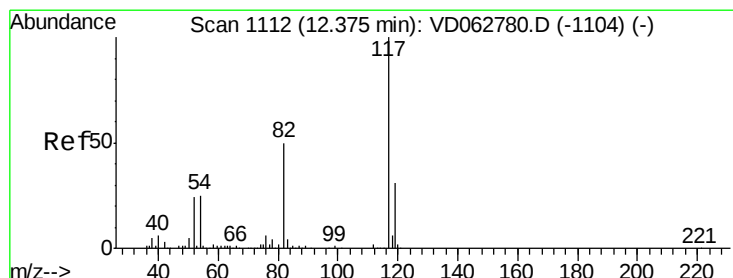
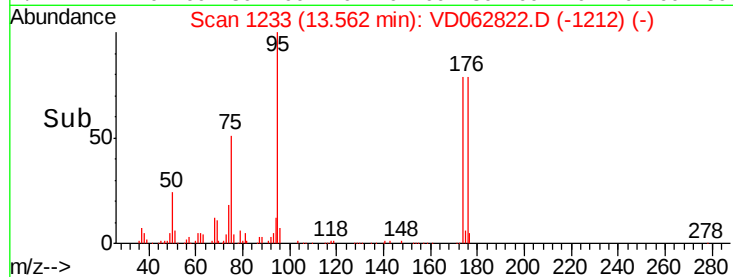
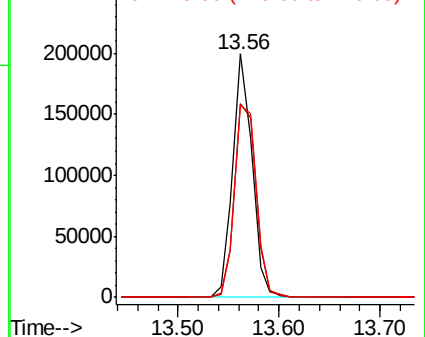
176 79.3 0.0 151.6



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# 1113

Delta R.T. 0.01 min

Lab File: VD062822.D

Acq: 21 Jun 2019 17:53

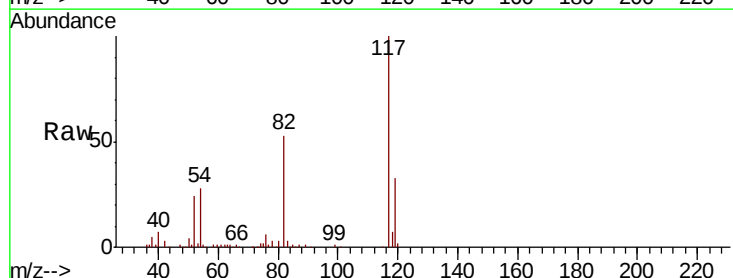
Tgt Ion: 117 Resp: 612816

Ion Ratio Lower Upper

117 100

82 52.9 40.4 60.6

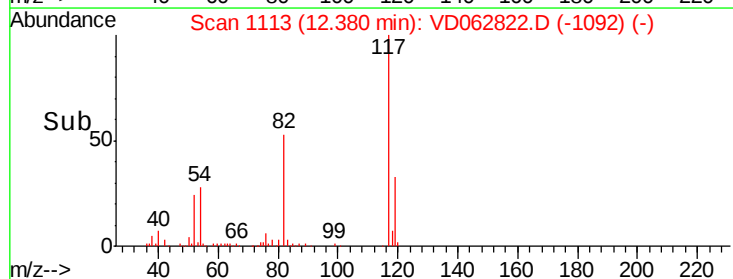
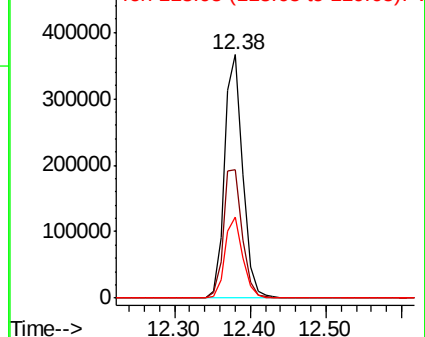
119 33.3 25.2 37.8

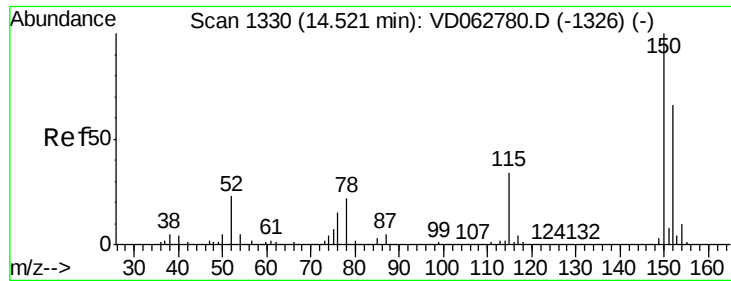


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062822.D

Acq: 21 Jun 2019 17:53

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-6RE

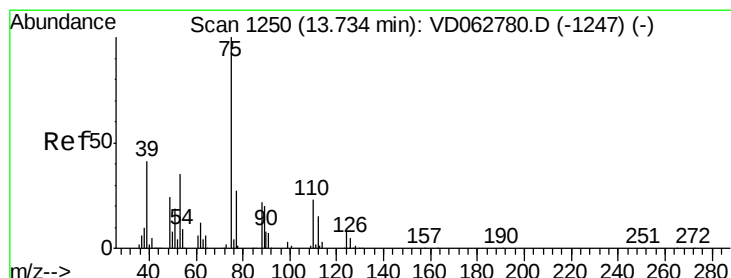
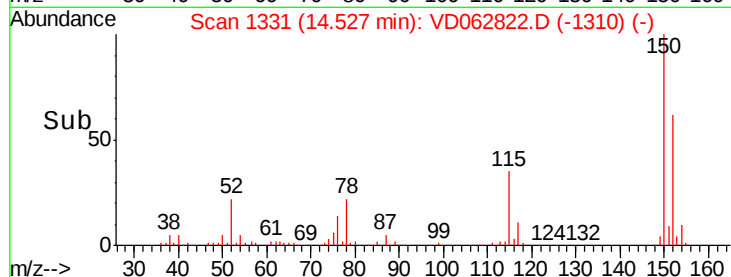
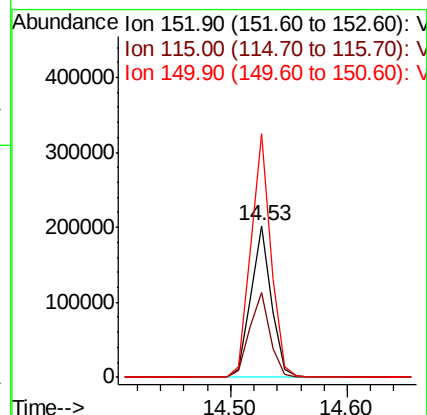
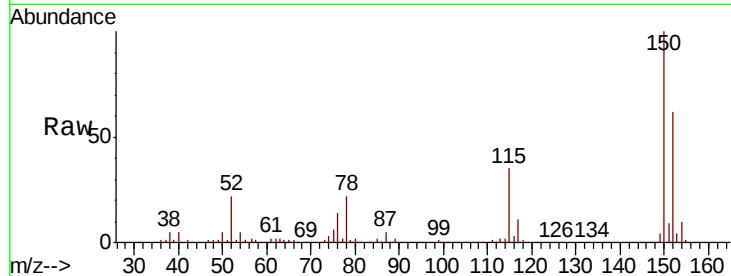
Tot Ion:152 Resp: 246743

Ion Ratio Lower Upper

152 100

115 56.1 29.2 87.6

150 160.5 0.0 305.8



#76

1,2,3-Trichloropropane

Concen: 36.470 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062822.D

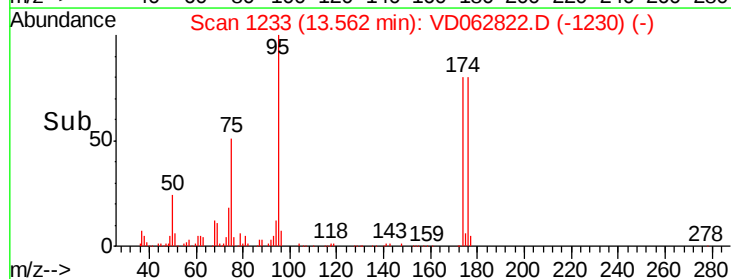
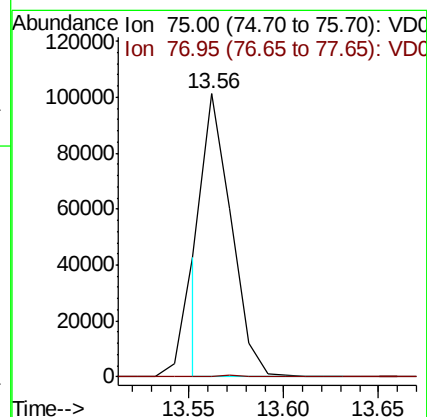
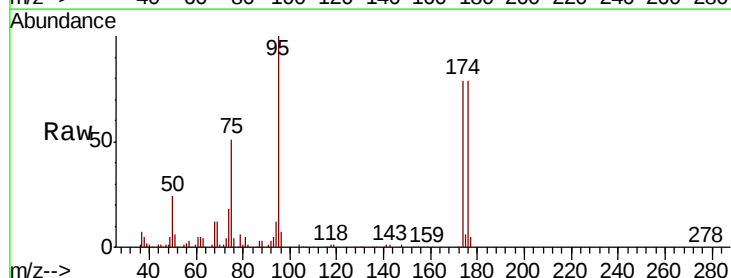
Acq: 21 Jun 2019 17:53

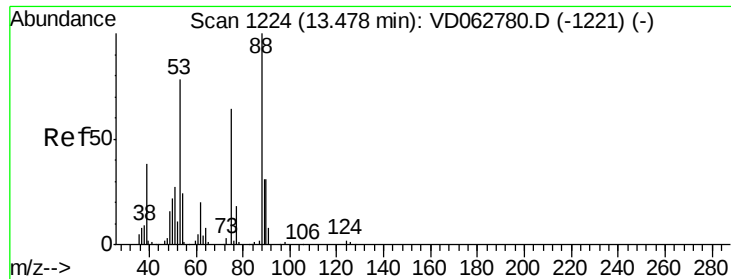
Tgt Ion: 75 Resp: 103884

Ion Ratio Lower Upper

75 100

77 0.0 15.0 45.1#

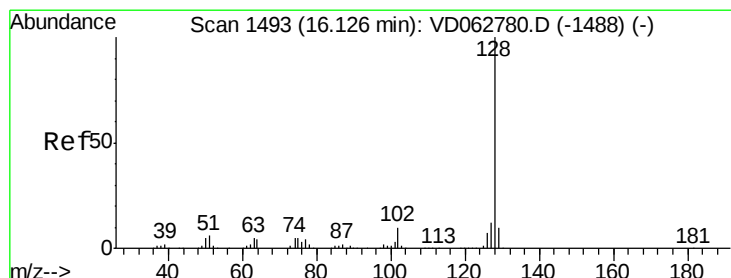
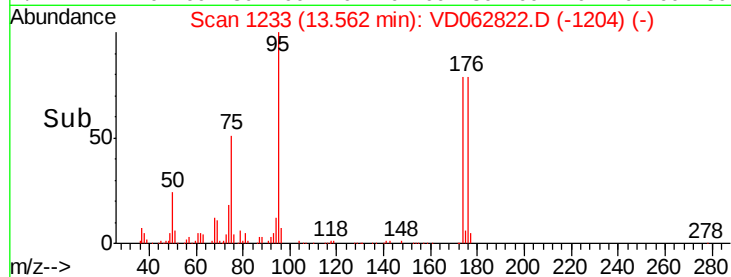
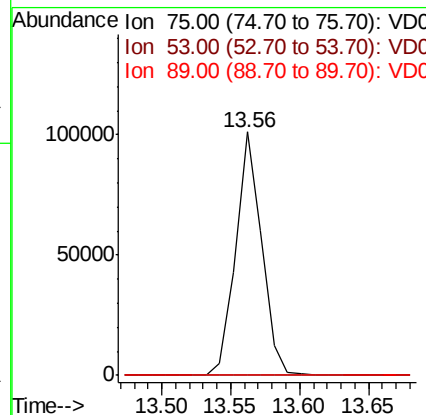
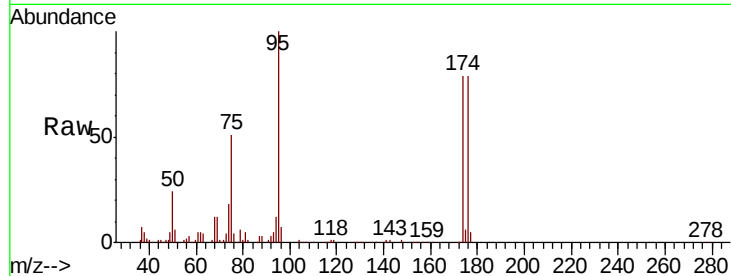




#81
trans-1,4-Dichloro-2-butene
Concen: 176.816 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.08 min
Lab File: VD062822.D
Acq: 21 Jun 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-6RE

Tot Ion: 75 Resp: 132000
Ion Ratio Lower Upper
75 100
53 0.0 97.8 146.8#
89 0.0 39.4 59.2#



#95
Naphthalene
Concen: 2.119 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062822.D
Acq: 21 Jun 2019 17:53

Tgt Ion:128 Resp: 15144
Ion Ratio Lower Upper
128 100
127 18.5 9.7 14.5#
129 10.0 8.3 12.5

