

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062817.D
 Acq On : 21 Jun 2019 15:37
 Operator : VA/AP
 Sample : K3470-05
 Misc : 4.14g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-5

Quant Time: Jun 22 04:13:50 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	610193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	828551	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	704316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	364616	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	330162	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
35) Dibromofluoromethane	6.94	113	361040	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
50) Toluene-d8	10.42	98	744794	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	13.56	95	327423	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	

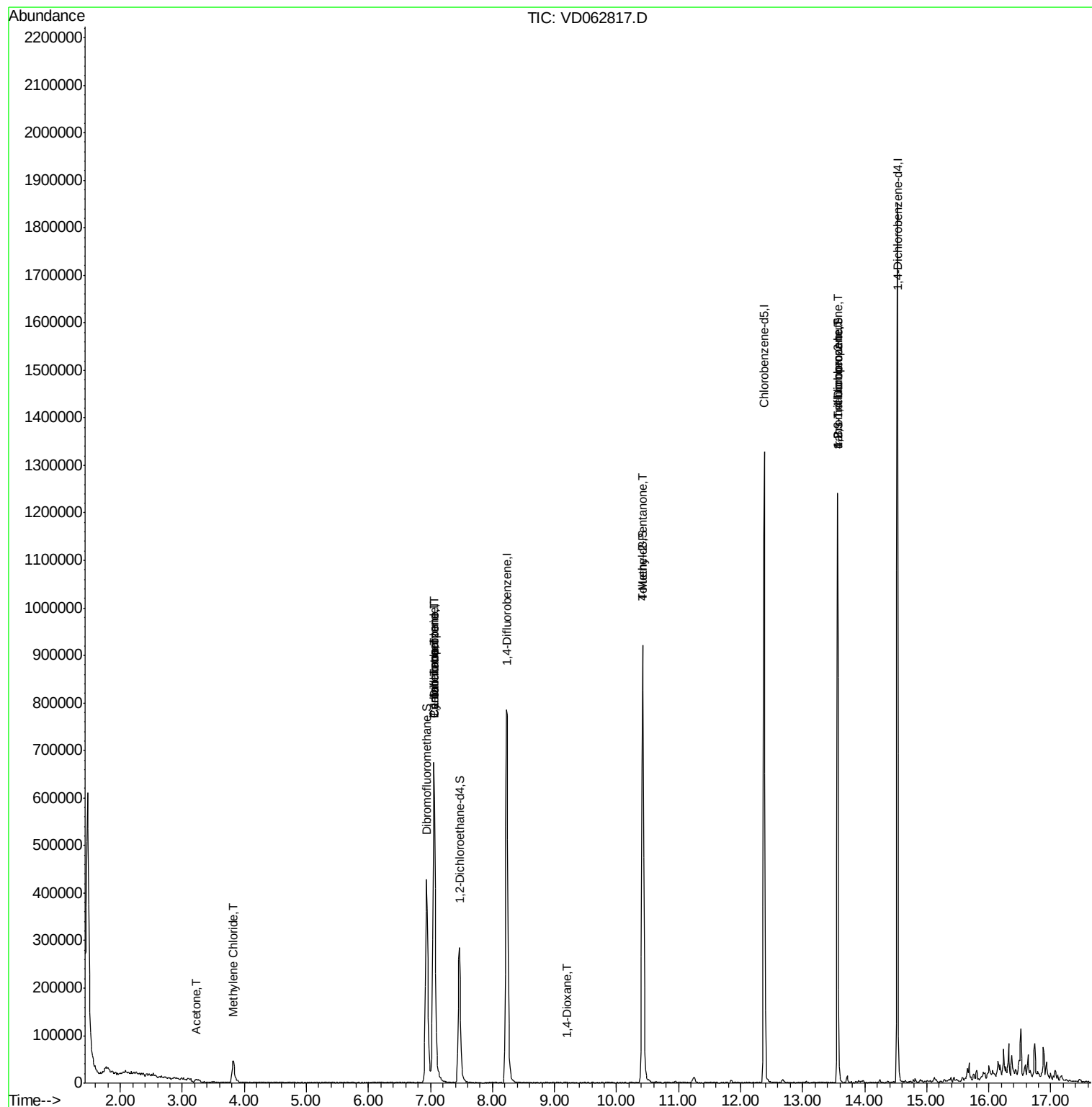
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	13265	2.949	ug/l #	84
20) Methylene Chloride	3.82	84	31701	6.267	ug/l #	88
31) Cyclohexane	7.06	56	14261	2.290	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	52630	6.710	ug/l #	52
38) Carbon Tetrachloride	7.05	117	65377	5.542	ug/l #	17
49) 1,4-Dioxane	9.20	88	184	7.569	ug/l #	29
51) 4-Methyl-2-Pentanone	10.43	43	4233	1.452	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	124932	29.680	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.56	75	159020	144.148	ug/l #	2

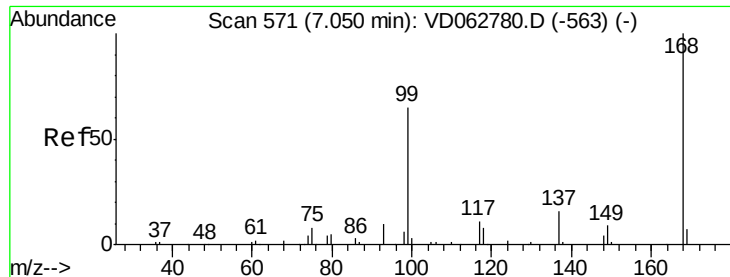
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062119\
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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: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062817.D

Acq: 21 Jun 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

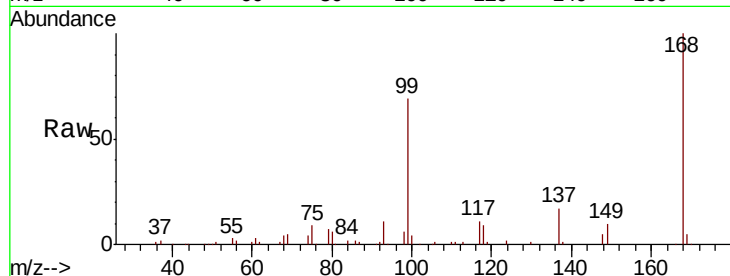
SAMPLE-5

Tot Ion:168 Resp: 610193

Ion Ratio Lower Upper

168 100

99 69.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

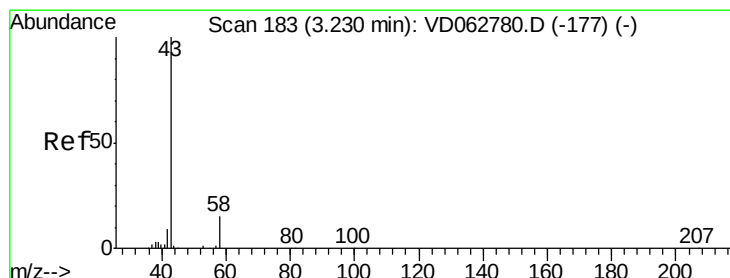
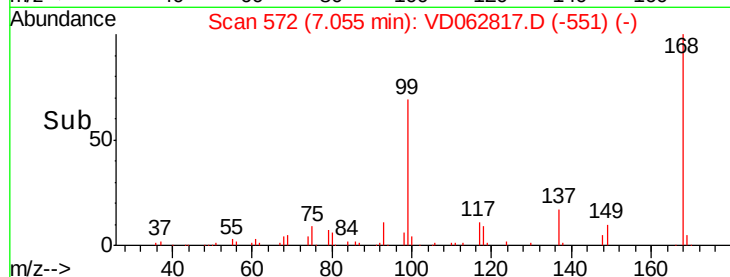
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 2.949 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062817.D

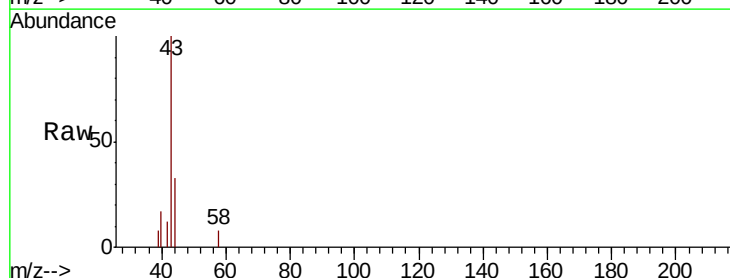
Acq: 21 Jun 2019 15:37

Tgt Ion: 43 Resp: 13265

Ion Ratio Lower Upper

43 100

58 8.4 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

5000

4000

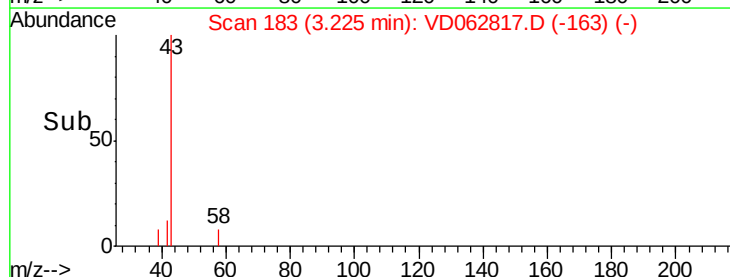
3000

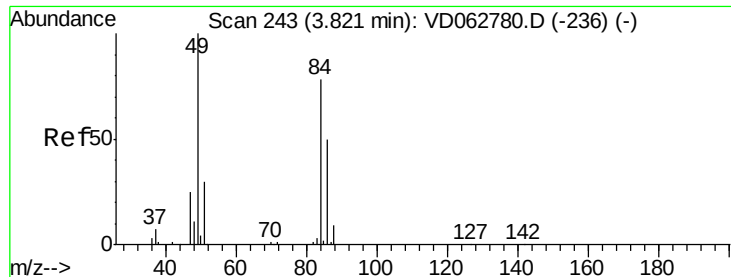
2000

1000

0

Time--> 3.10 3.20 3.30

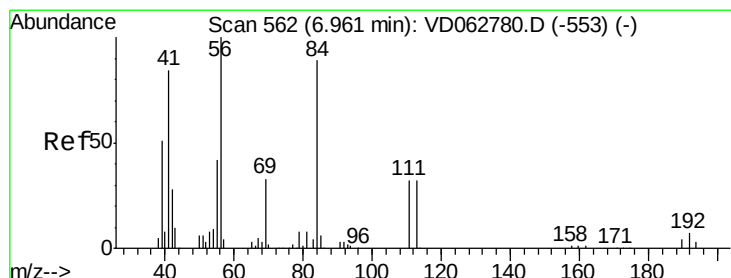
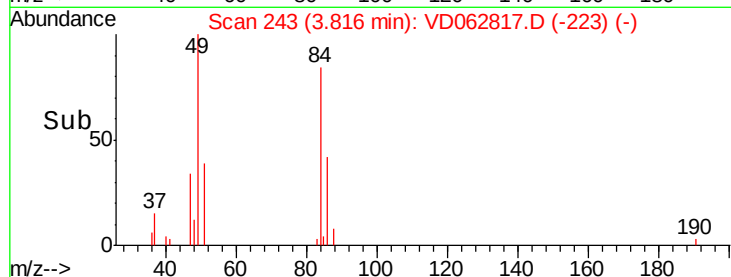
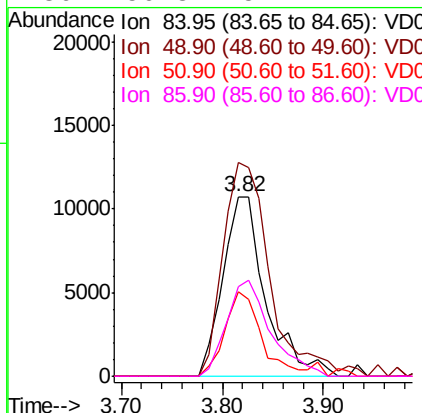
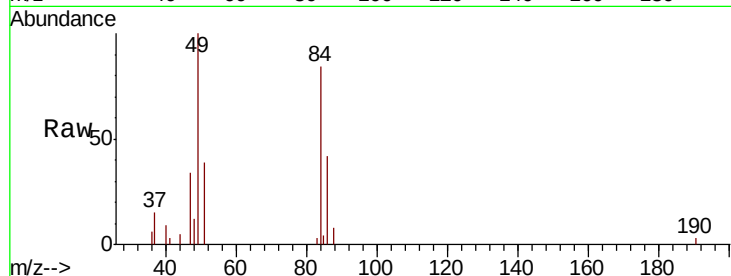




#20
Methylene Chloride
Concen: 6.267 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062817.D
Acq: 21 Jun 2019 15:37

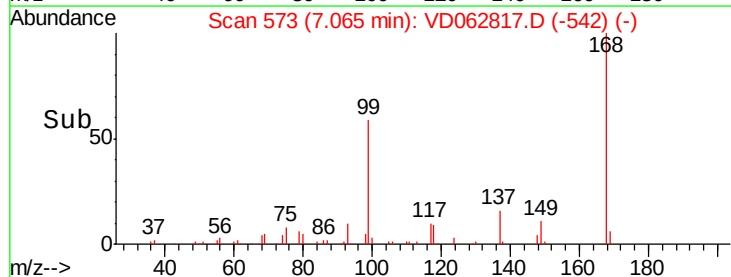
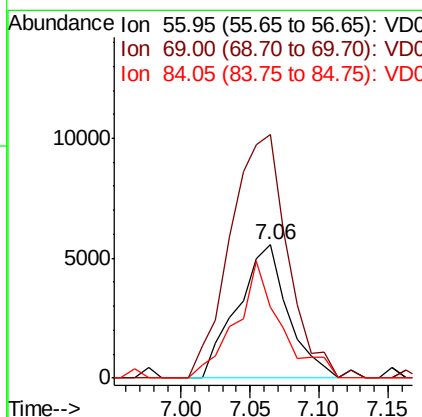
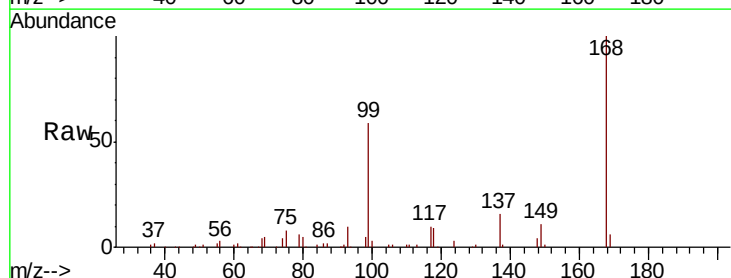
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-5

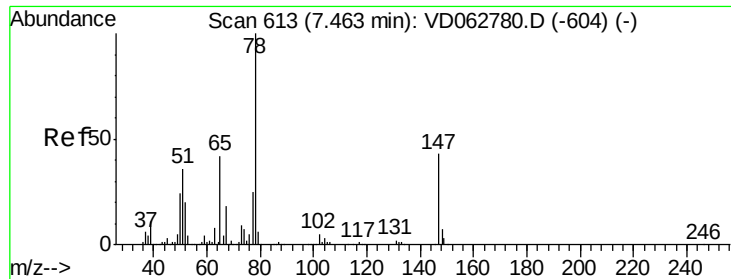
Tot Ion: 84 Resp: 31701
Ion Ratio Lower Upper
84 100
49 119.2 102.9 154.3
51 46.9 31.2 46.8#
86 50.3 51.4 77.2#



#31
Cyclohexane
Concen: 2.290 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.10 min
Lab File: VD062817.D
Acq: 21 Jun 2019 15:37

Tgt Ion: 56 Resp: 14261
Ion Ratio Lower Upper
56 100
69 182.8 26.6 39.8#
84 53.5 75.5 113.3#

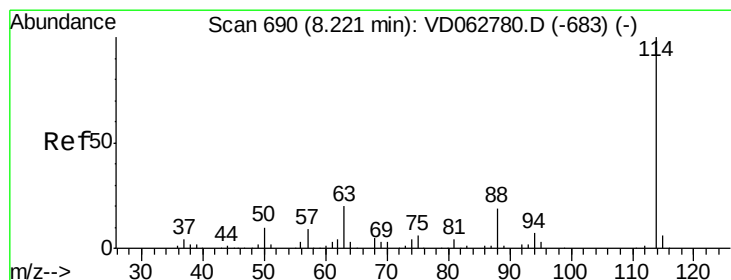
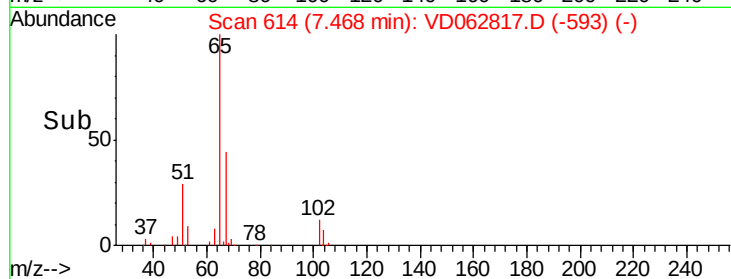
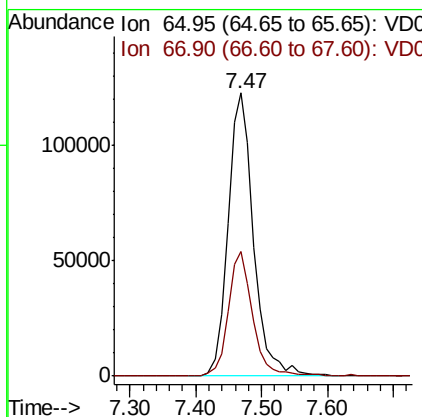
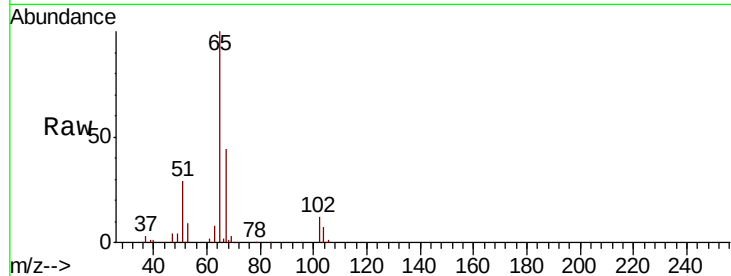




#33
 1,2-Dichloroethane-d4
 Concen: 49.778 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VD062817.D
 Acq: 21 Jun 2019 15:37

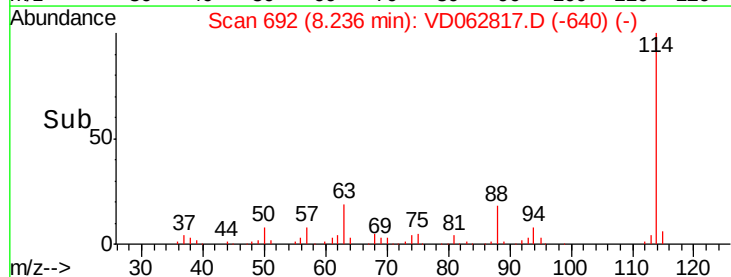
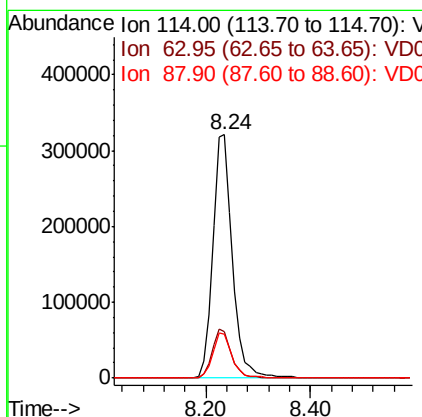
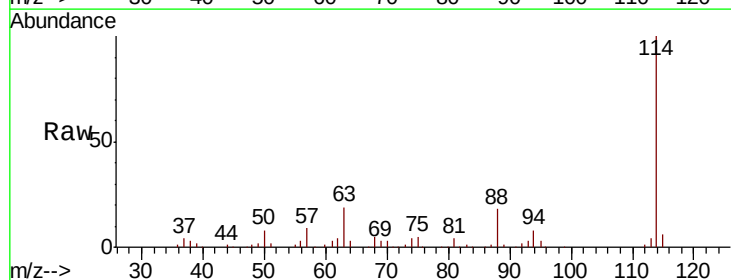
Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-5

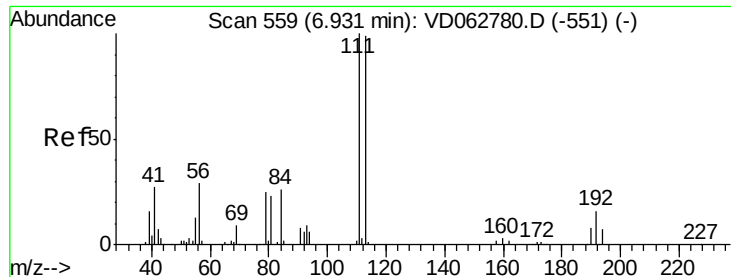
Tot Ion: 65 Resp: 330162
 Ion Ratio Lower Upper
 65 100
 67 44.1 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD062817.D
 Acq: 21 Jun 2019 15:37

Tgt Ion: 114 Resp: 828551
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.0
 88 18.2 0.0 38.8

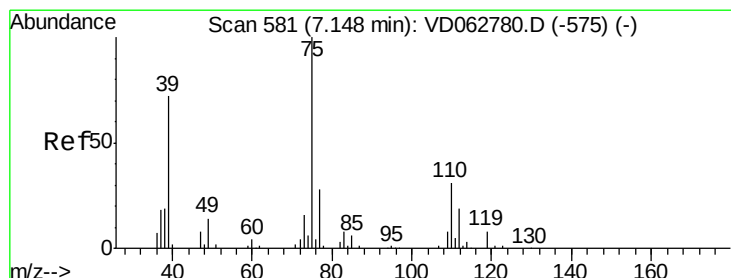
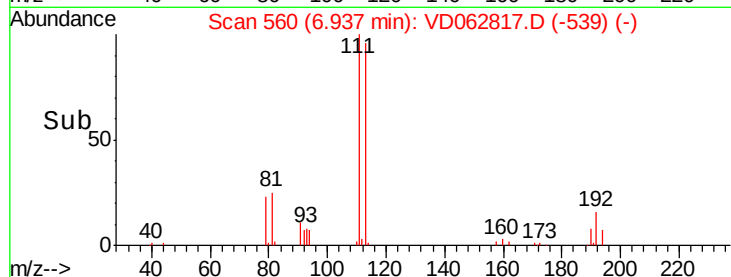
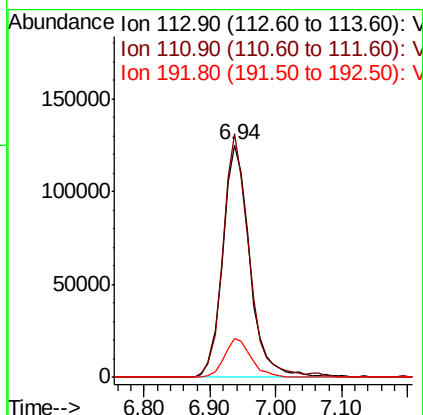
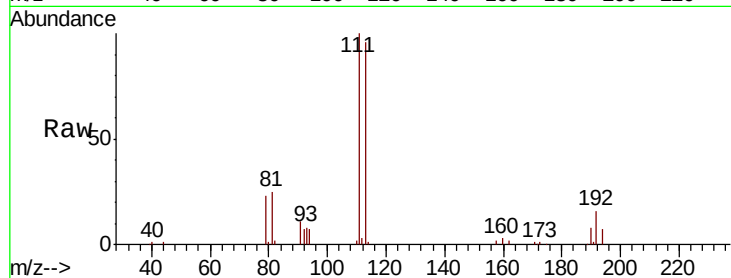




#35
 Dibromofluoromethane
 Concen: 51.678 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD062817.D
 Acq: 21 Jun 2019 15:37

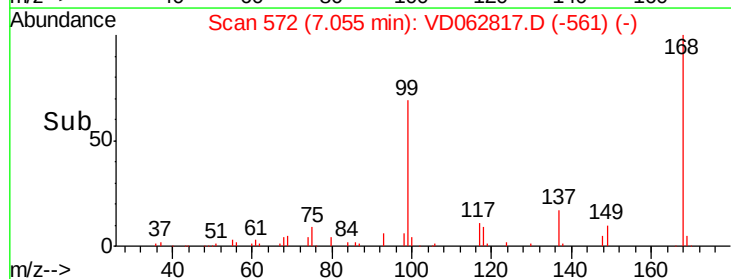
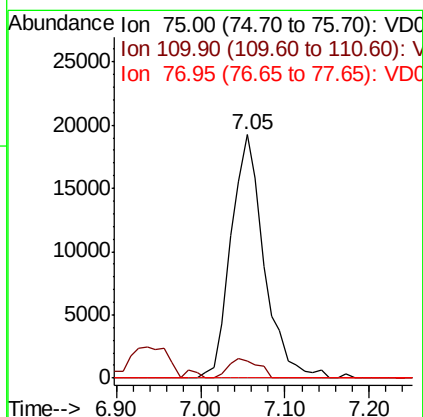
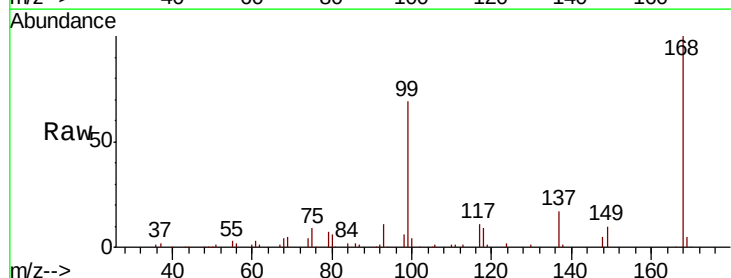
Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-5

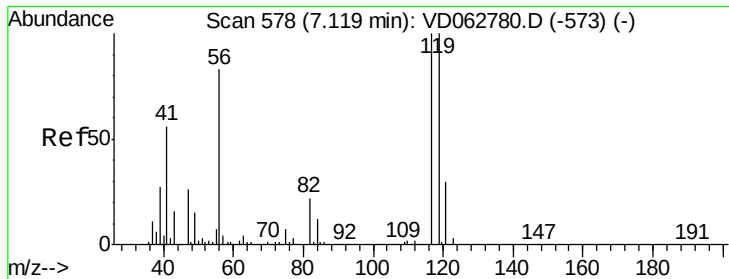
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.2	121.8
192	16.5	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 6.710 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD062817.D
 Acq: 21 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.0	15.0	45.1#
77	0.0	22.2	33.2#

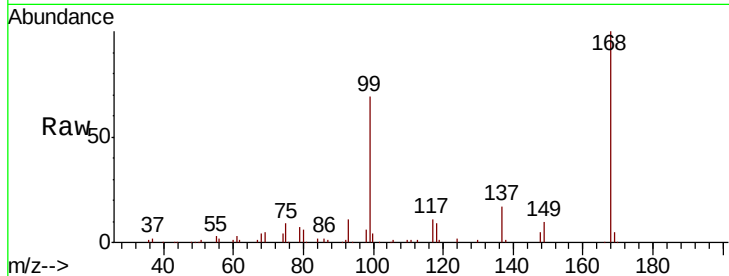




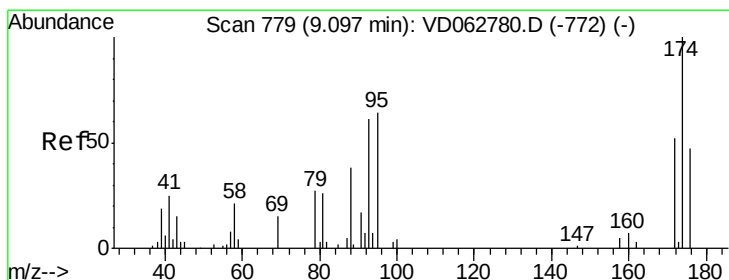
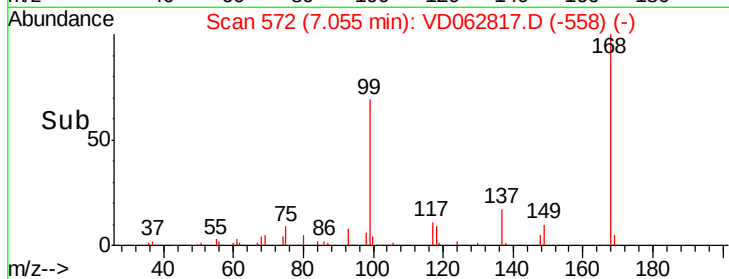
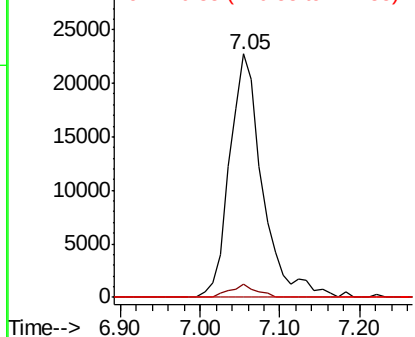
#38
Carbon Tetrachloride
Concen: 5.542 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.06 min
Lab File: VD062817.D
Acq: 21 Jun 2019 15:37

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-5

Tot Ion:117 Resp: 65377
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 22.3 33.5#

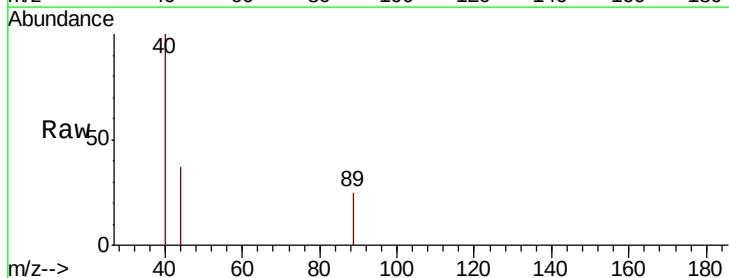


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

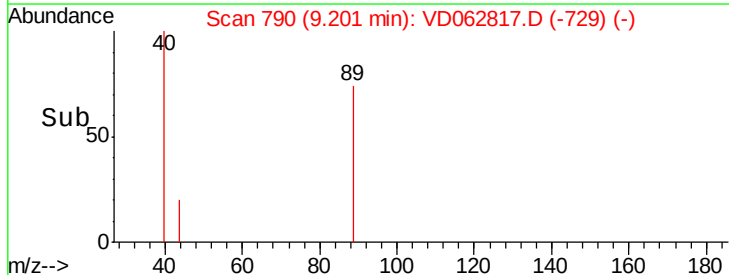
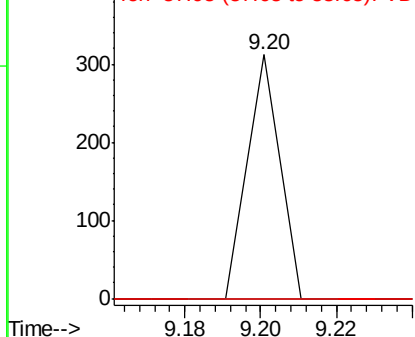


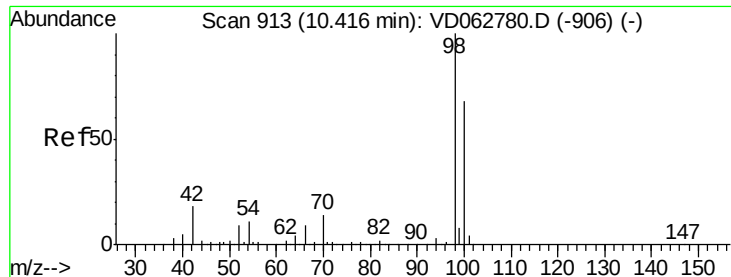
#49
1,4-Dioxane
Concen: 7.569 ug/l
RT: 9.20 min Scan# 790
Delta R.T. 0.10 min
Lab File: VD062817.D
Acq: 21 Jun 2019 15:37

Tgt Ion: 88 Resp: 184
Ion Ratio Lower Upper
88 100
43 0.0 32.1 48.1#
58 0.0 44.1 66.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

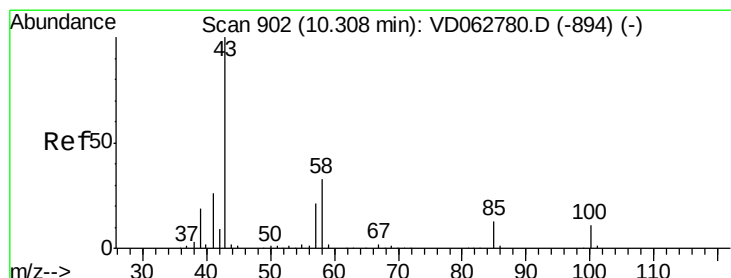
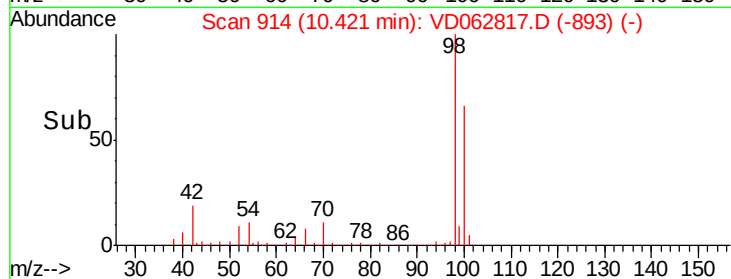
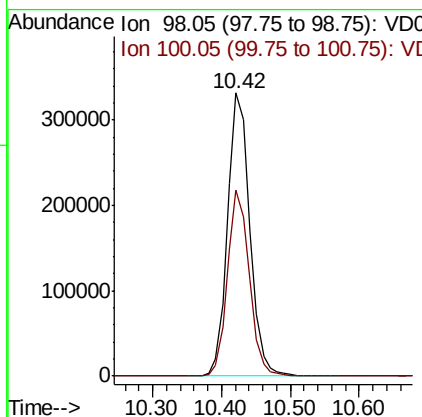
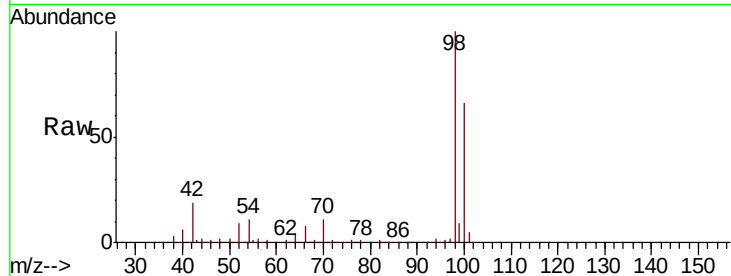




#50
Toluene-d8
Concen: 48.982 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062817.D
Acq: 21 Jun 2019 15:37

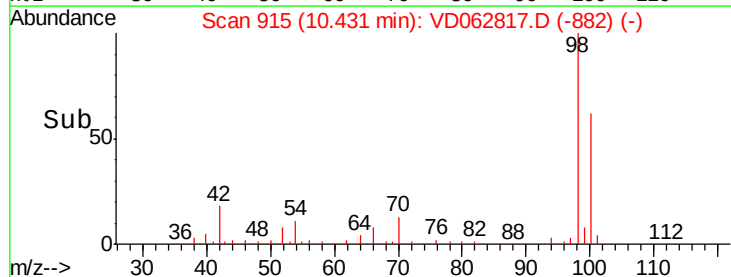
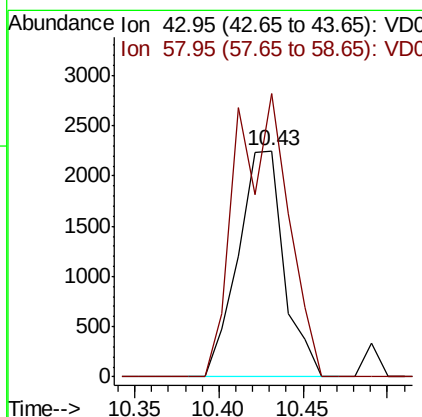
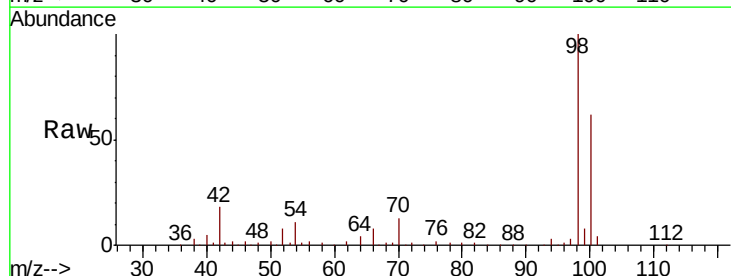
Instrument :
MSVOA_D
ClientSampleId :
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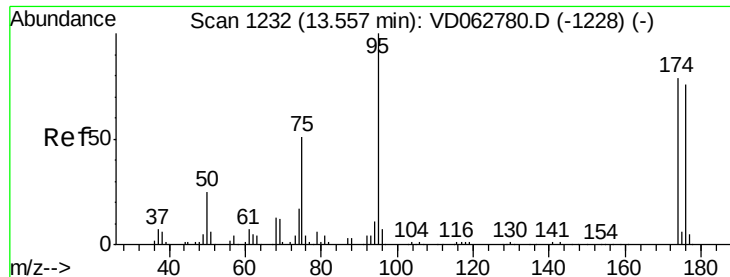
Tot Ion: 98 Resp: 744794
Ion Ratio Lower Upper
98 100
100 65.8 54.7 82.1



#51
4-Methyl-2-Pentanone
Concen: 1.452 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.12 min
Lab File: VD062817.D
Acq: 21 Jun 2019 15:37

Tgt Ion: 43 Resp: 4233
Ion Ratio Lower Upper
43 100
58 125.1 26.6 40.0#





#62

4-Bromofluorobenzene

Concen: 47.356 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062817.D

Acq: 21 Jun 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-5

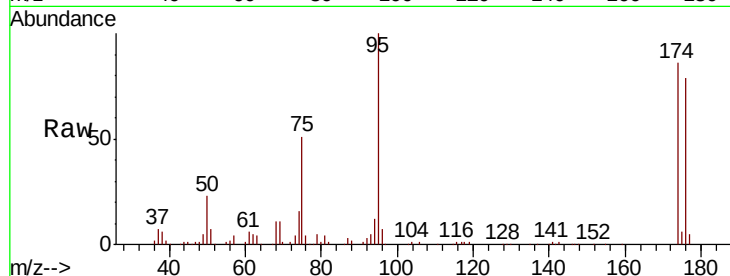
Tot Ion: 95 Resp: 327423

Ion Ratio Lower Upper

95 100

174 86.4 0.0 158.0

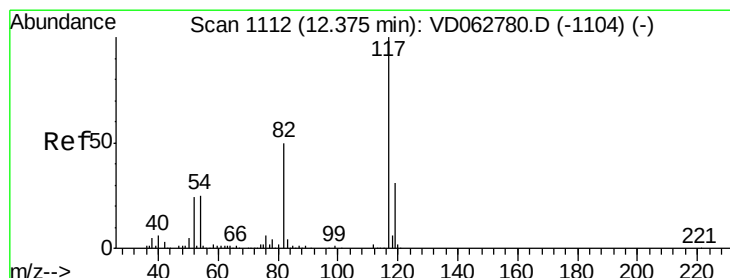
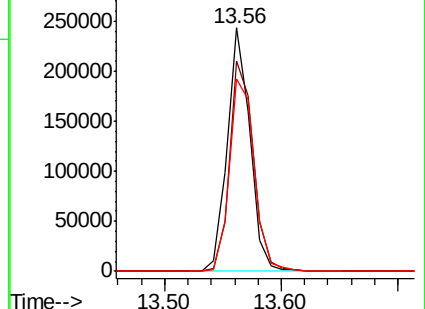
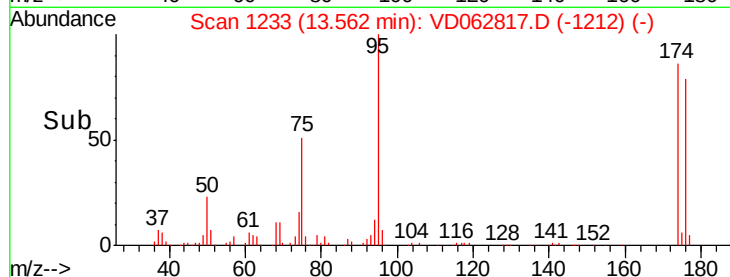
176 78.9 0.0 151.6



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: VD062817.D

Acq: 21 Jun 2019 15:37

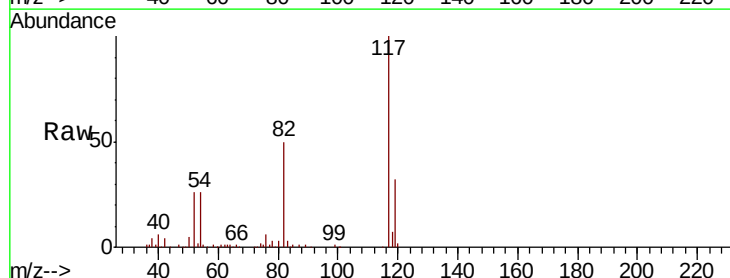
Tgt Ion: 117 Resp: 704316

Ion Ratio Lower Upper

117 100

82 49.6 40.4 60.6

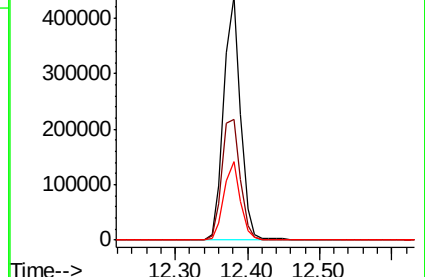
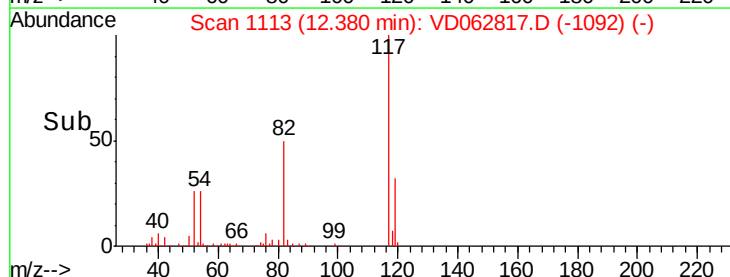
119 32.1 25.2 37.8

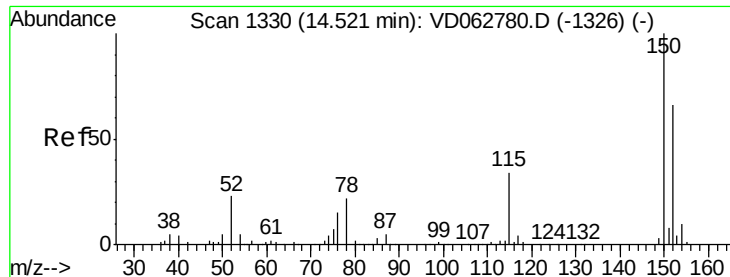


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062817.D

Acq: 21 Jun 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-5

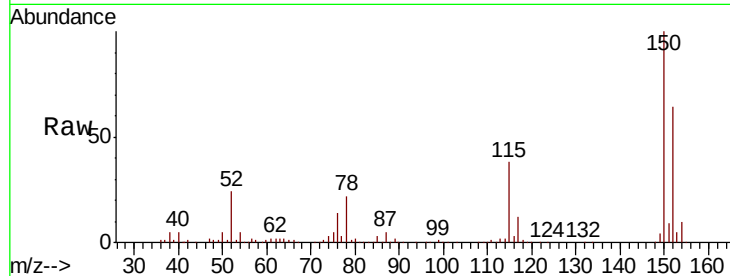
Tot Ion:152 Resp: 364616

Ion Ratio Lower Upper

152 100

115 59.7 29.2 87.6

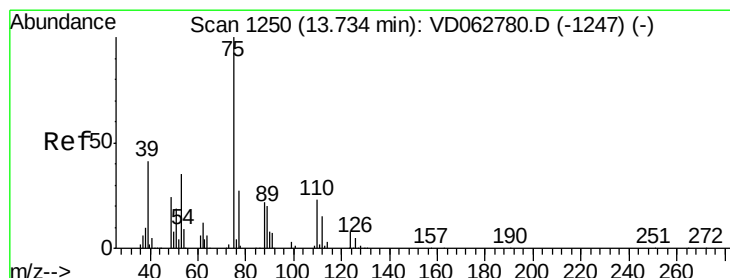
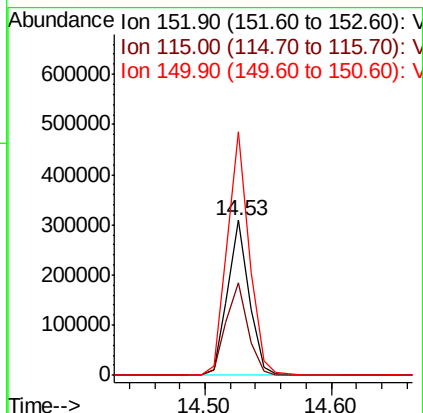
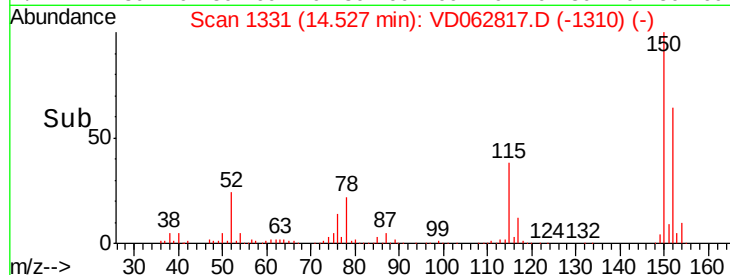
150 157.3 0.0 305.8



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



#76

1,2,3-Trichloropropane

Concen: 29.680 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062817.D

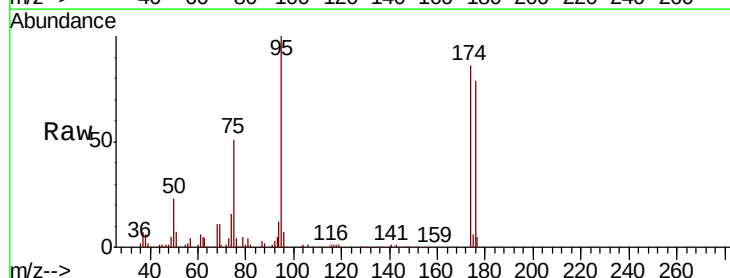
Acq: 21 Jun 2019 15:37

Tgt Ion: 75 Resp: 124932

Ion Ratio Lower Upper

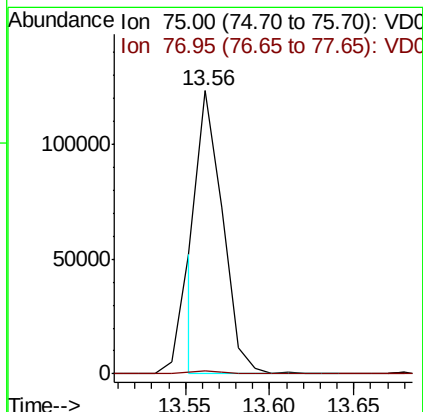
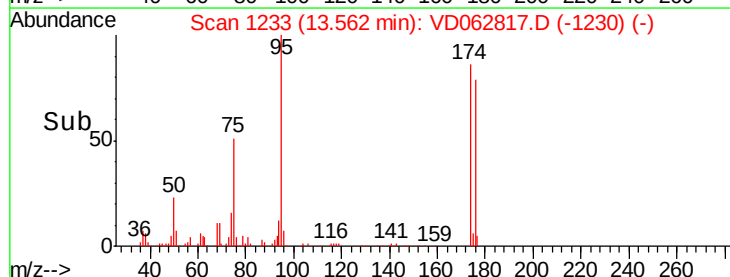
75 100

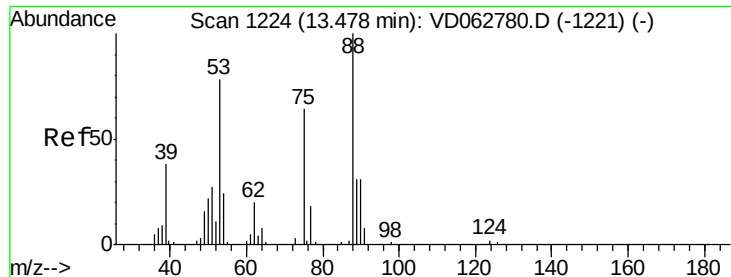
77 0.9 15.0 45.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 144.148 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062817.D

Acq: 21 Jun 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-5

Tot Ion: 75 Resp: 159020

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

