

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062877.D
 Acq On : 25 Jun 2019 14:20
 Operator : VA/AP
 Sample : K3500-08RE
 Misc : 4.97g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-8(9-10)

Quant Time: Jun 26 05:34:31 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	7.04	168	773270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1105328	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	899896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	419035	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	431829	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
35) Dibromofluoromethane	6.93	113	448443	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
50) Toluene-d8	10.41	98	955974	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
62) 4-Bromofluorobenzene	13.56	95	397343	43.08	ug/l	0.00
Spiked Amount			Recovery	=	86.16%	

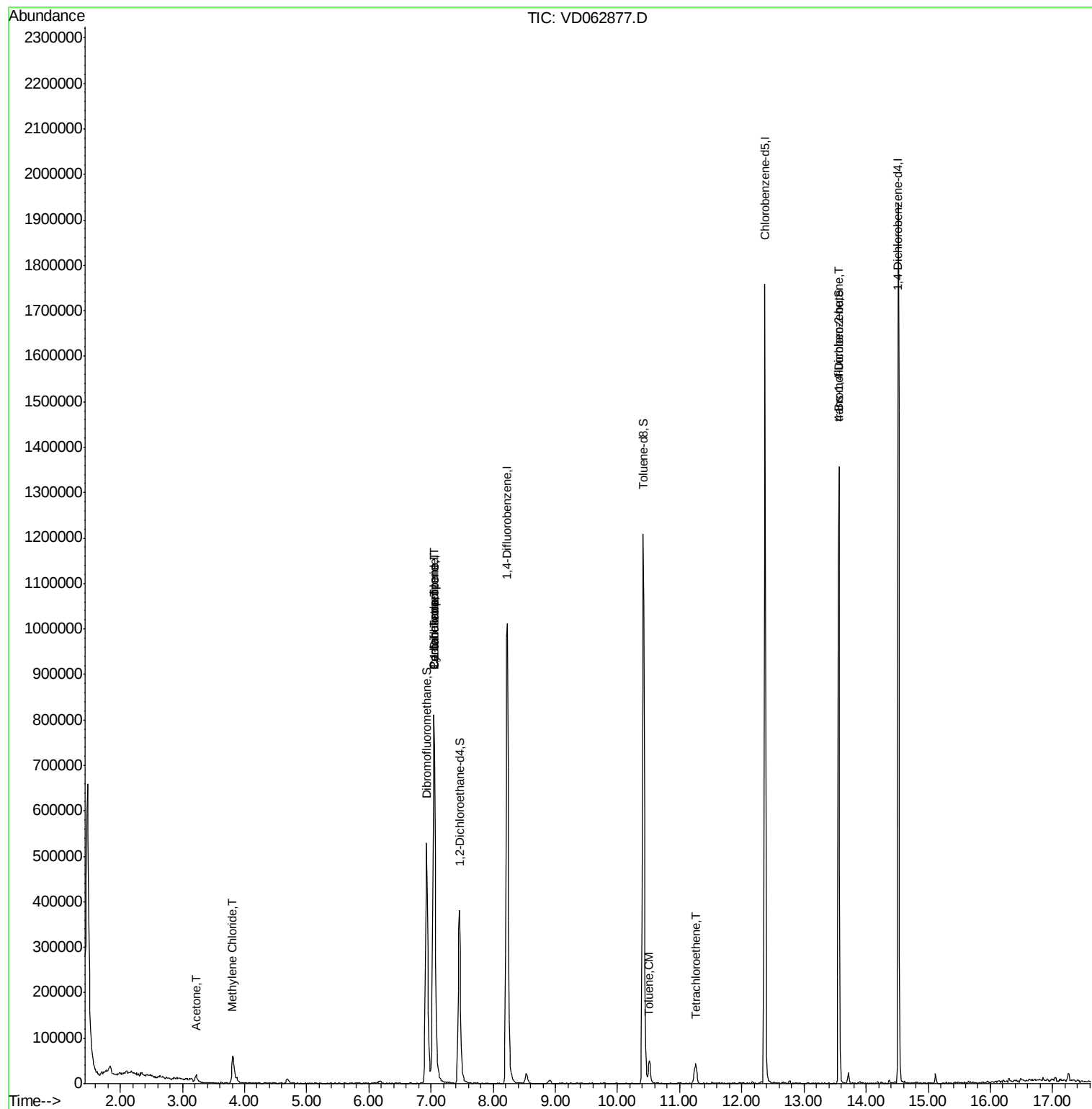
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	35791	14.405	ug/l #	87
20) Methylene Chloride	3.81	84	35924	5.604	ug/l #	90
31) Cyclohexane	7.04	56	17317	2.194	ug/l #	18
36) 1,1-Dichloropropene	7.04	75	61449	5.873	ug/l #	55
37) Ethyl Acetate	6.16	43	300	Below Cal	#	69
38) Carbon Tetrachloride	7.04	117	79391	5.045	ug/l #	16
52) Toluene	10.51	92	23172	1.641	ug/l	97
64) Tetrachloroethene	11.26	164	9216	1.244	ug/l #	63
81) trans-1,4-Dichloro-2-buten	13.55	75	183870	145.028	ug/l #	2

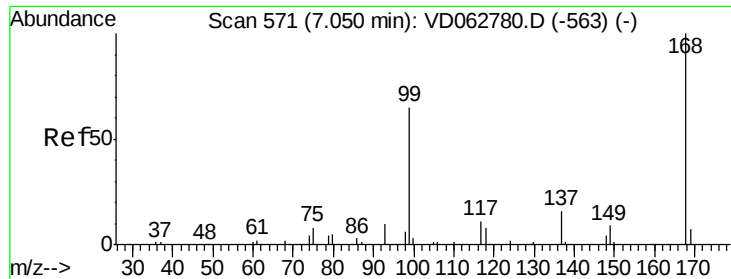
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062519\
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B-8(9-10)

Quant Time: Jun 26 05:34:31 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

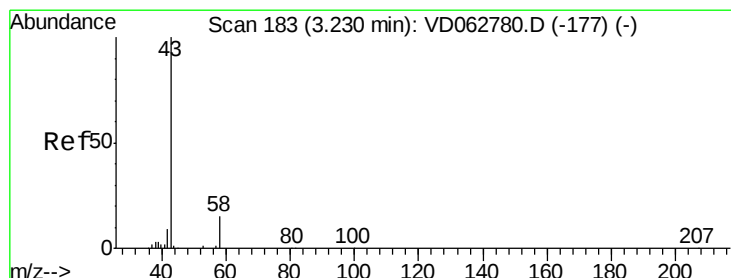
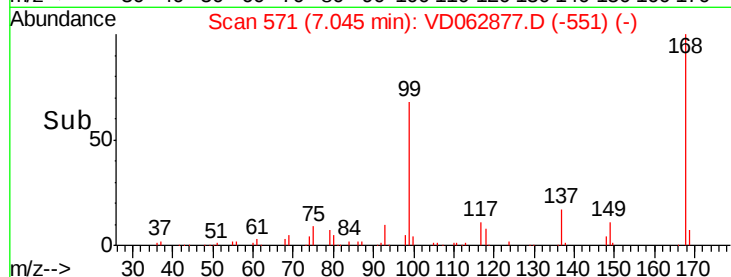
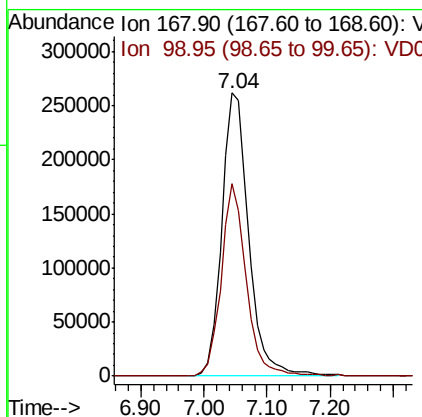
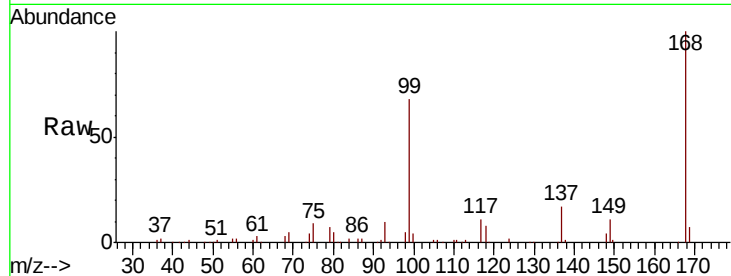




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.00 min
Lab File: VD062877.D
Acq: 25 Jun 2019 14:20

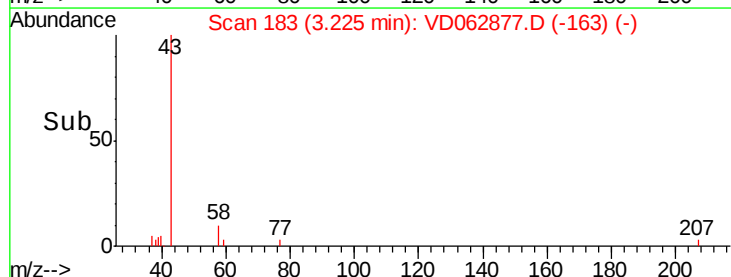
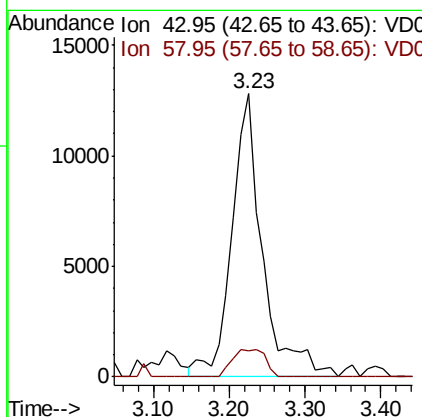
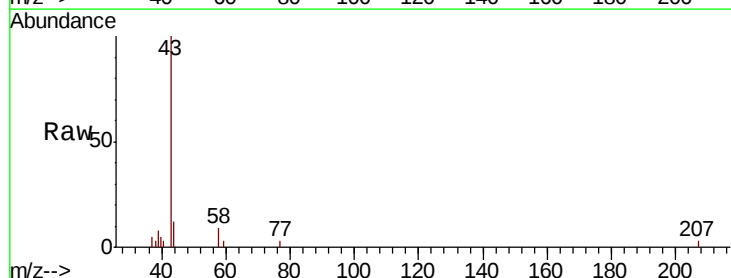
Instrument :
MSVOA_D
ClientSampleId :
B-8(9-10)

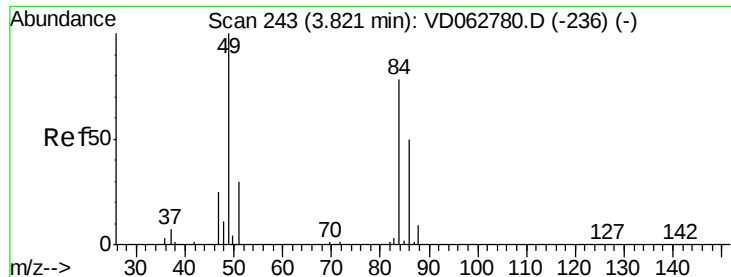
Tot Ion:168 Resp: 773270
Ion Ratio Lower Upper
168 100
99 67.9 53.0 79.6



#16
Acetone
Concen: 14.405 ug/l
RT: 3.23 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD062877.D
Acq: 25 Jun 2019 14:20

Tgt Ion: 43 Resp: 35791
Ion Ratio Lower Upper
43 100
58 9.4 11.9 17.9#

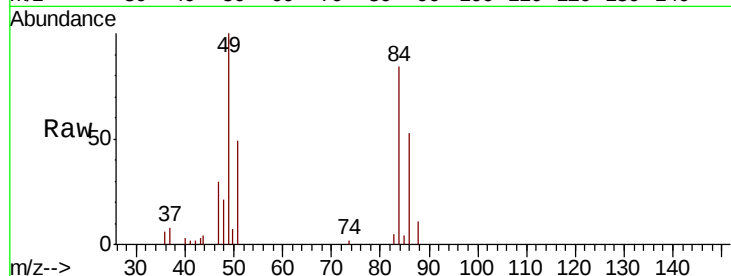




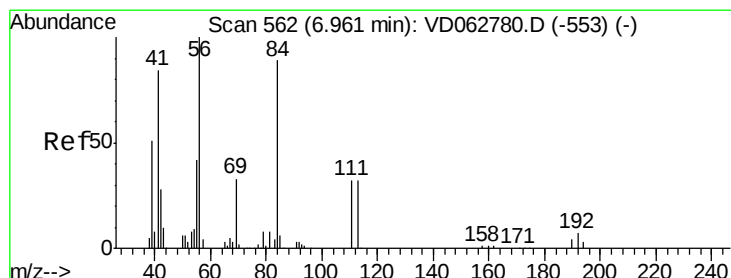
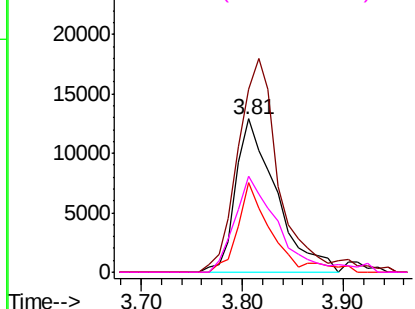
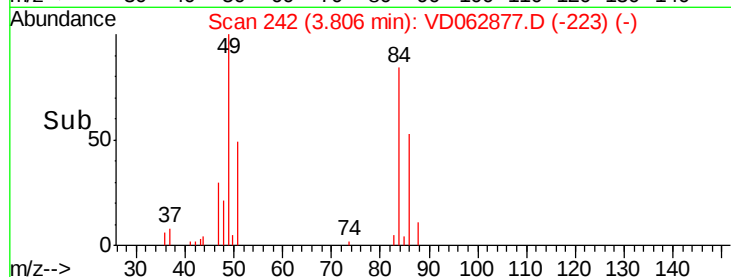
#20
Methvlene Chloride
Concen: 5.604 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062877.D
Acq: 25 Jun 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :
B-8(9-10)

Tot Ion: 84 Resp: 35924
Ion Ratio Lower Upper
84 100
49 119.7 102.9 154.3
51 58.8 31.2 46.8#
86 62.9 51.4 77.2

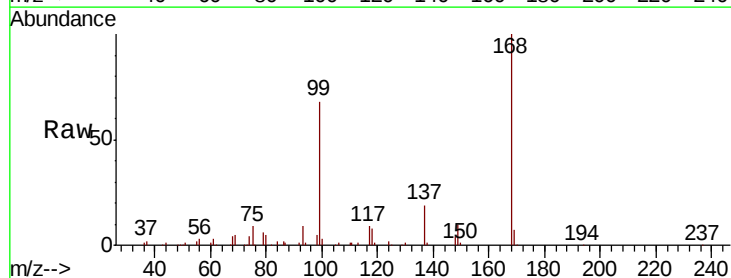


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

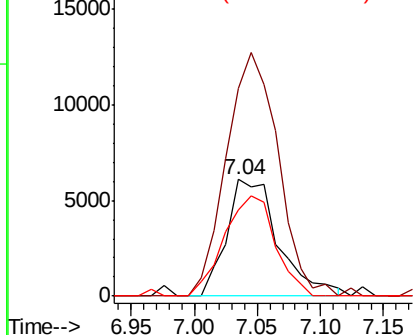
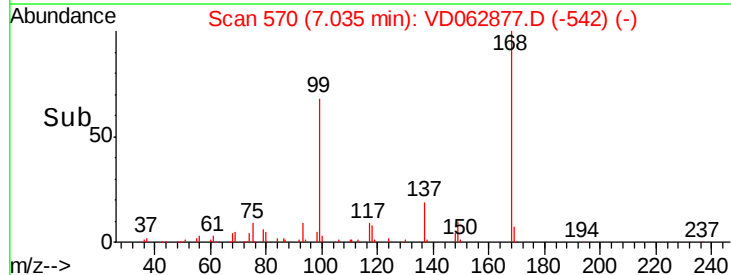


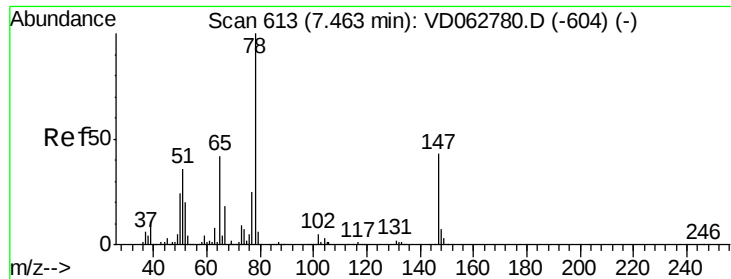
#31
Cyclohexane
Concen: 2.194 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD062877.D
Acq: 25 Jun 2019 14:20

Tgt Ion: 56 Resp: 17317
Ion Ratio Lower Upper
56 100
69 178.4 26.6 39.8#
84 74.2 75.5 113.3#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 51.376 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062877.D

Acq: 25 Jun 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

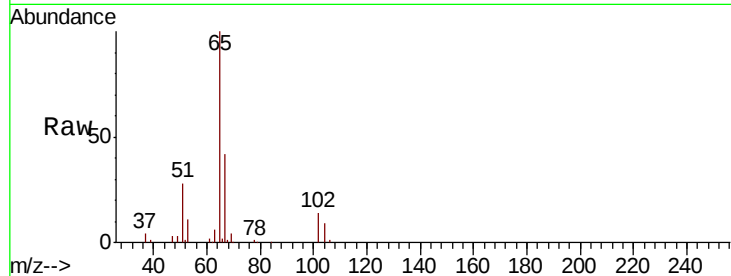
B-8(9-10)

Tot Ion: 65 Resp: 431829

Ion Ratio Lower Upper

65 100

67 42.0 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

150000

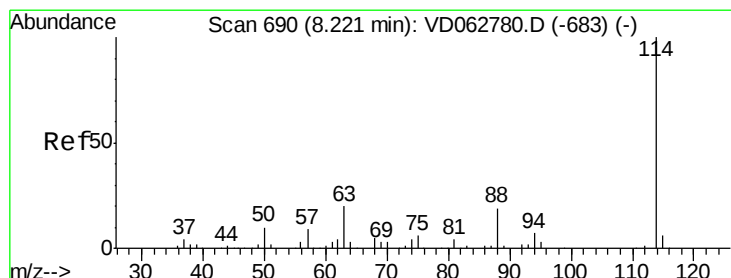
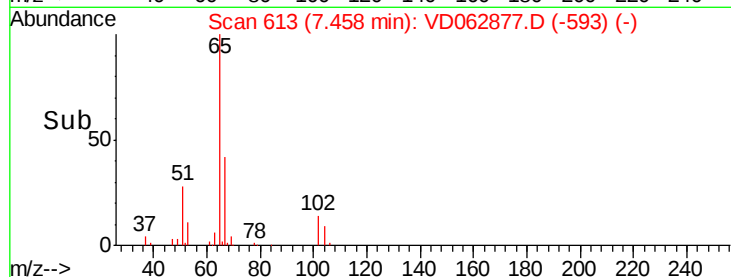
100000

50000

0

Time-->

7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062877.D

Acq: 25 Jun 2019 14:20

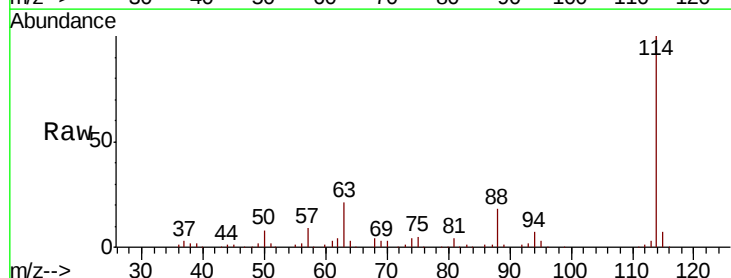
Tgt Ion: 114 Resp: 1105328

Ion Ratio Lower Upper

114 100

63 20.7 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

8.23

500000

400000

300000

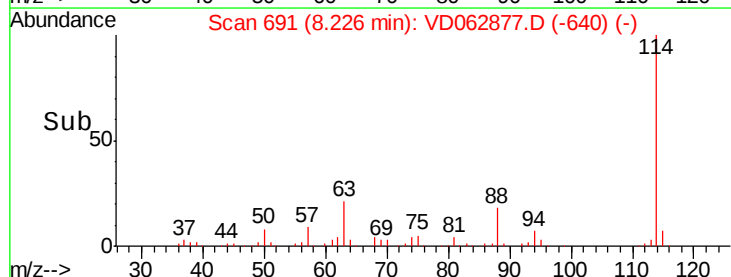
200000

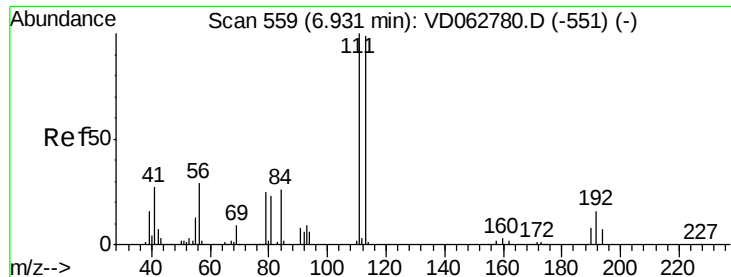
100000

0

Time-->

8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 48.116 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062877.D

Acq: 25 Jun 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

B-8(9-10)

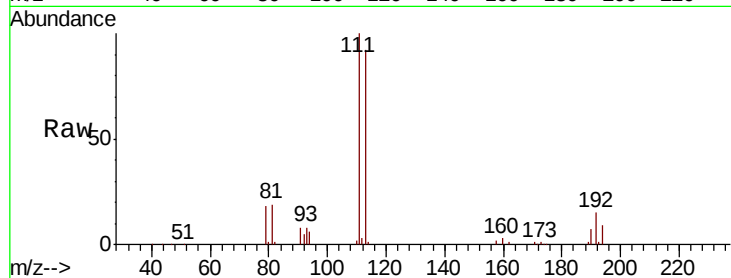
Tot Ion:113 Resp: 448443

Ion Ratio Lower Upper

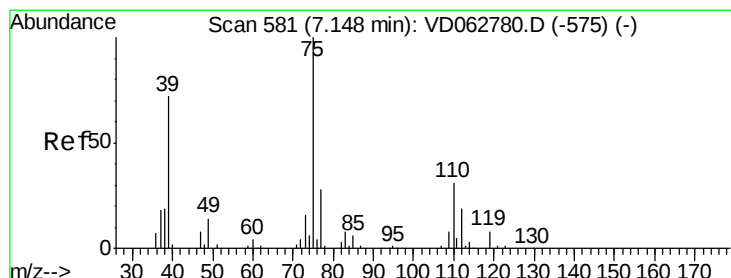
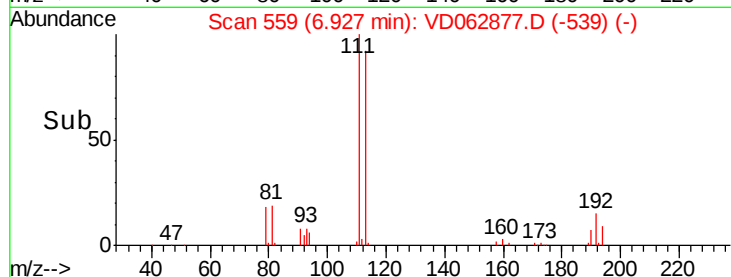
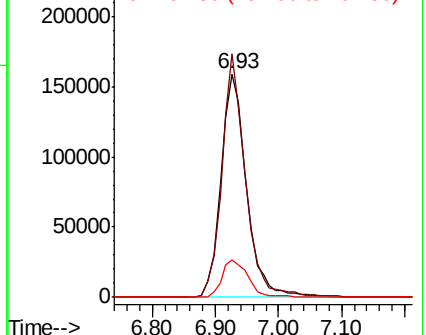
113 100

111 108.9 81.2 121.8

192 16.7 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: 5.873 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062877.D

Acq: 25 Jun 2019 14:20

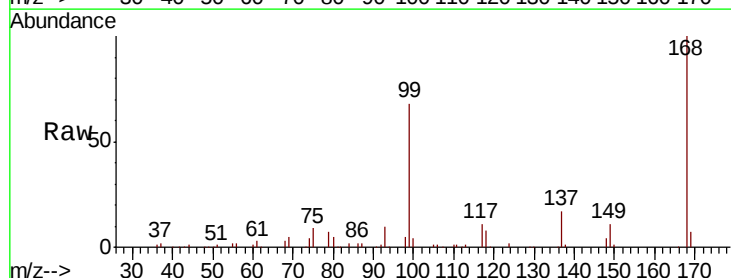
Tgt Ion: 75 Resp: 61449

Ion Ratio Lower Upper

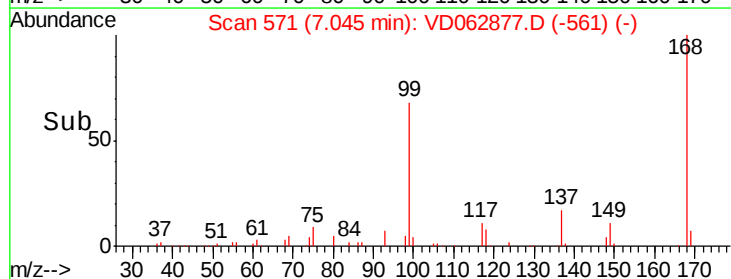
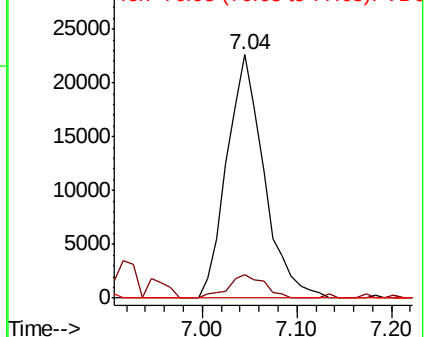
75 100

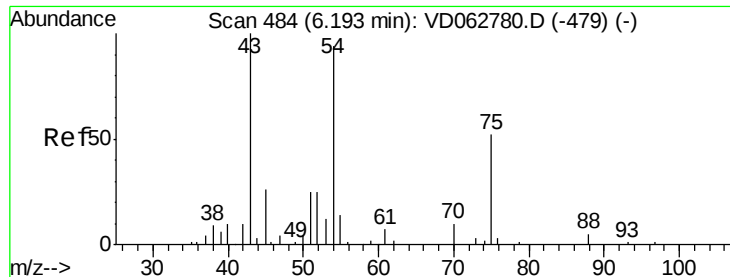
110 9.5 15.0 45.1#

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

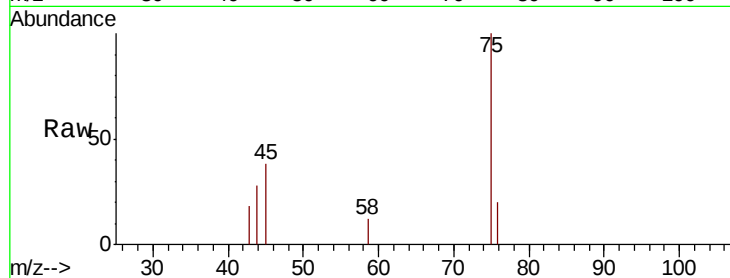




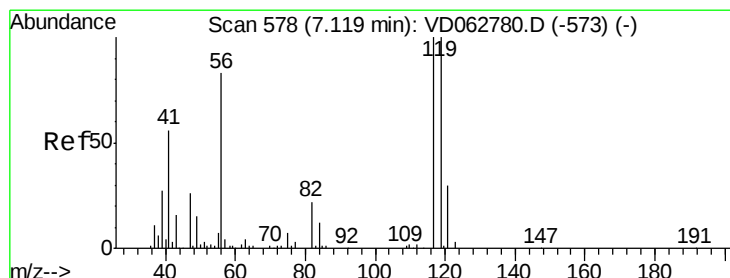
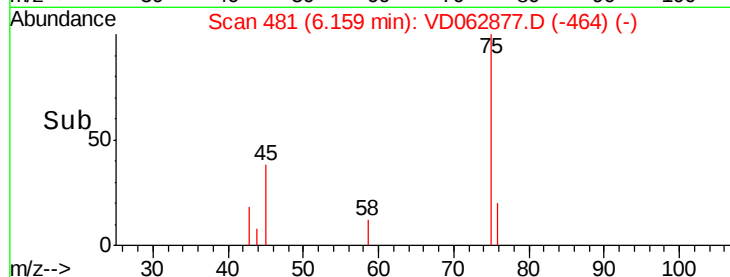
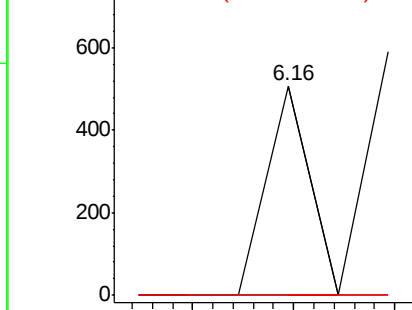
#37
Ethyl Acetate
Concen: Below Cal
RT: 6.16 min Scan# 481
Delta R.T. -0.03 min
Lab File: VD062877.D
Acq: 25 Jun 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :
B-8(9-10)

Tot Ion: 43 Resp: 300
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 6.4 9.6#

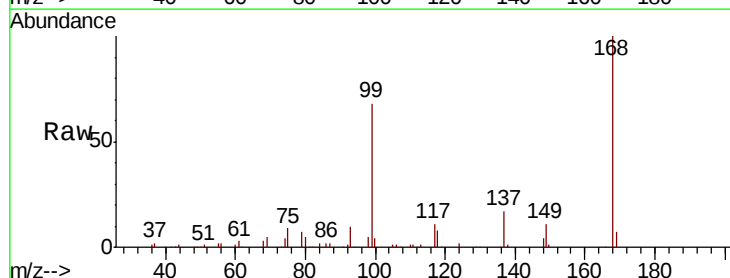


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

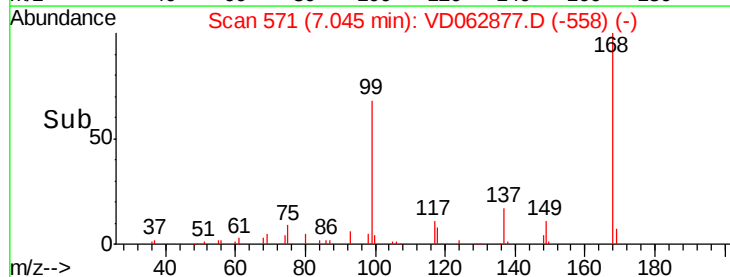
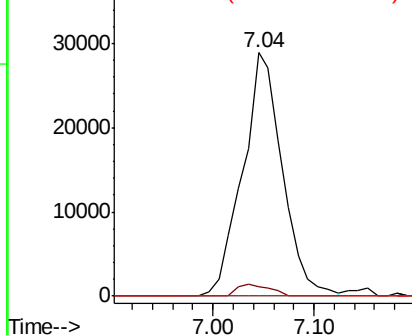


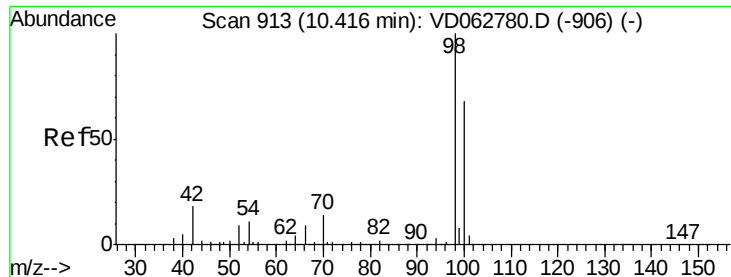
#38
Carbon Tetrachloride
Concen: 5.045 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD062877.D
Acq: 25 Jun 2019 14:20

Tgt Ion: 117 Resp: 79391
Ion Ratio Lower Upper
117 100
119 4.0 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

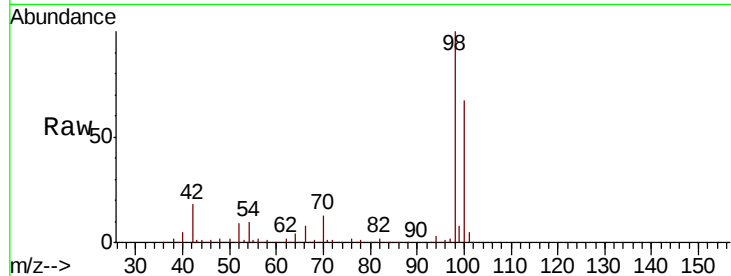




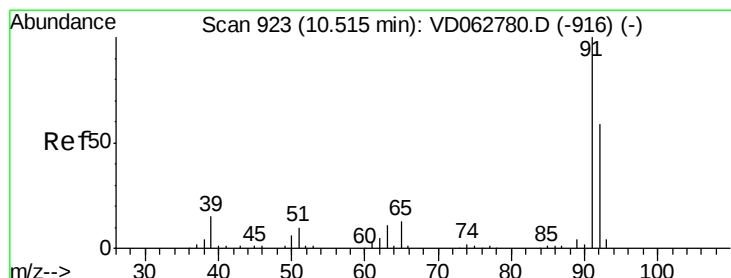
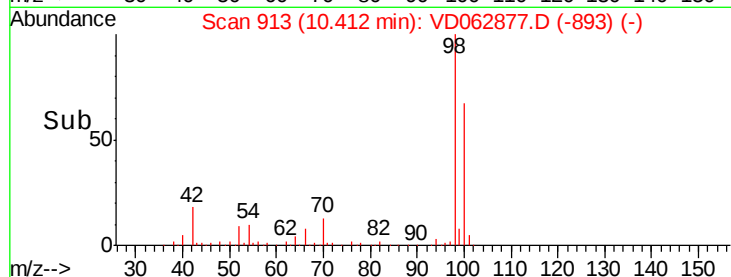
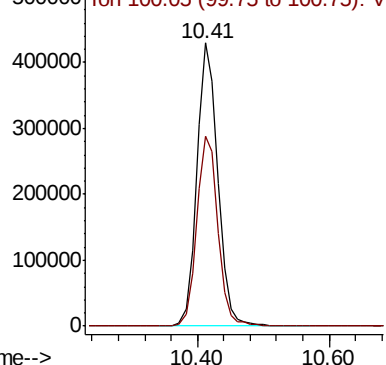
#50
Toluene-d8
Concen: 47.128 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062877.D
Acq: 25 Jun 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :
B-8(9-10)

Tot Ion: 98 Resp: 955974
Ion Ratio Lower Upper
98 100
100 67.3 54.7 82.1

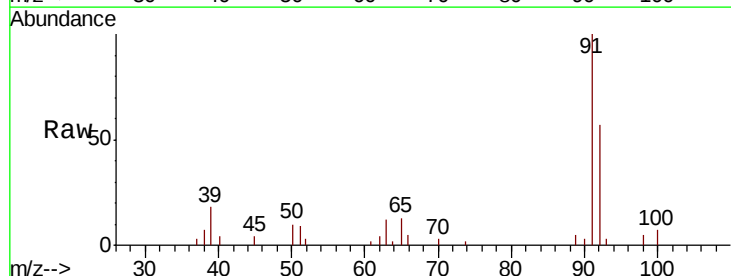


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

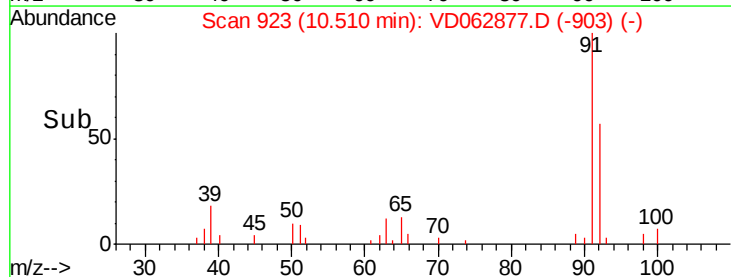
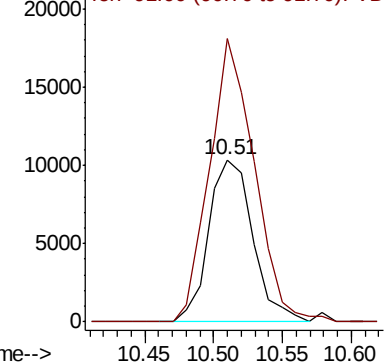


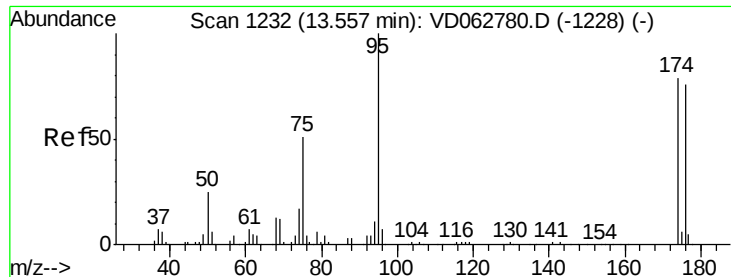
#52
Toluene
Concen: 1.641 ug/l
RT: 10.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: VD062877.D
Acq: 25 Jun 2019 14:20

Tgt Ion: 92 Resp: 23172
Ion Ratio Lower Upper
92 100
91 174.6 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: 43.079 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062877.D

Acq: 25 Jun 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

B-8(9-10)

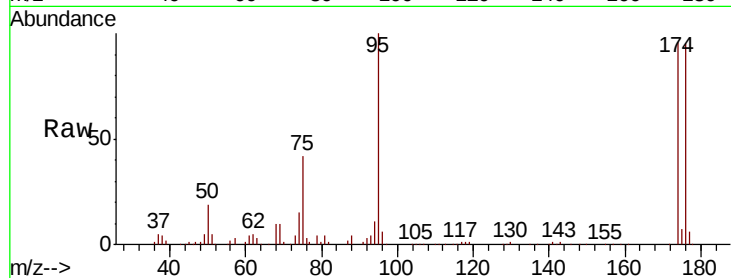
Tot Ion: 95 Resp: 397343

Ion Ratio Lower Upper

95 100

174 95.5 0.0 158.0

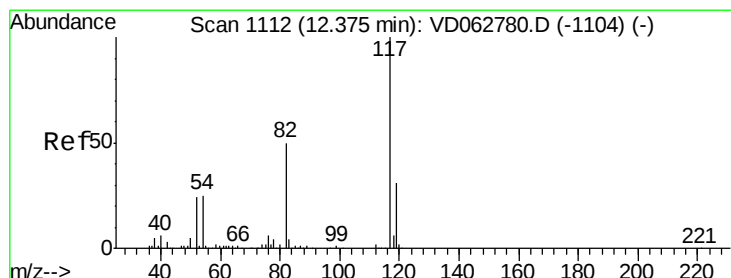
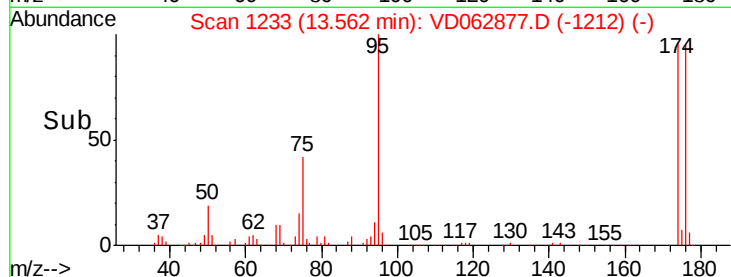
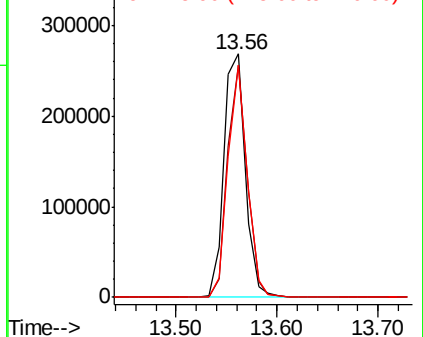
176 95.2 0.0 151.6



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: 12.37 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD062877.D

Acq: 25 Jun 2019 14:20

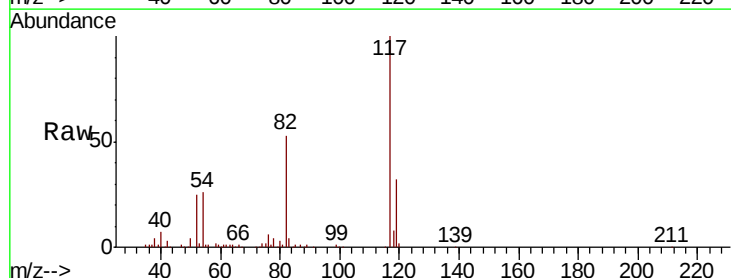
Tgt Ion: 117 Resp: 899896

Ion Ratio Lower Upper

117 100

82 53.1 40.4 60.6

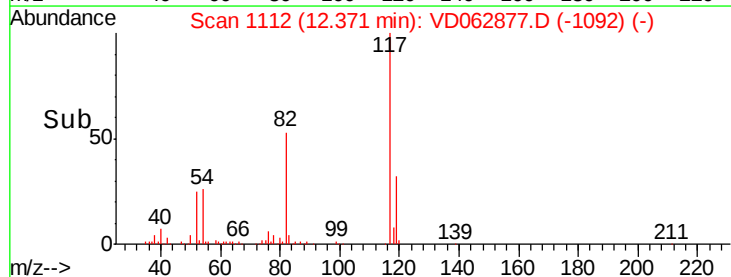
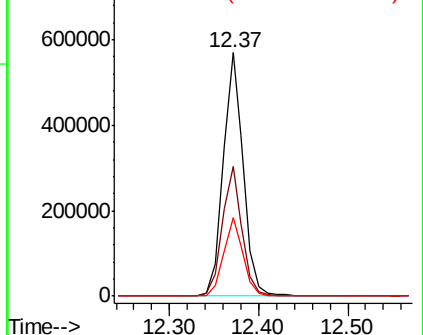
119 32.3 25.2 37.8

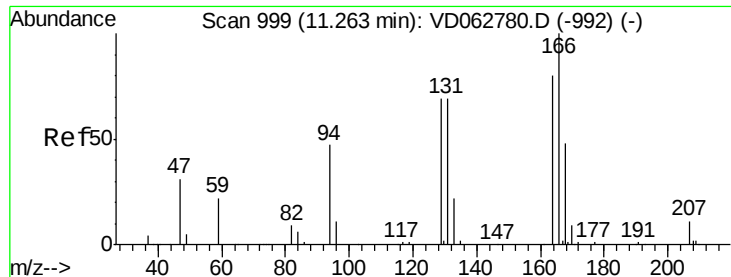


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#64

Tetrachloroethene

Concen: 1.244 ug/l

RT: 11.26 min Scan# 999

Delta R.T. -0.00 min

Lab File: VD062877.D

Acq: 25 Jun 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

B-8(9-10)

Tot Ion:164 Resp: 9216

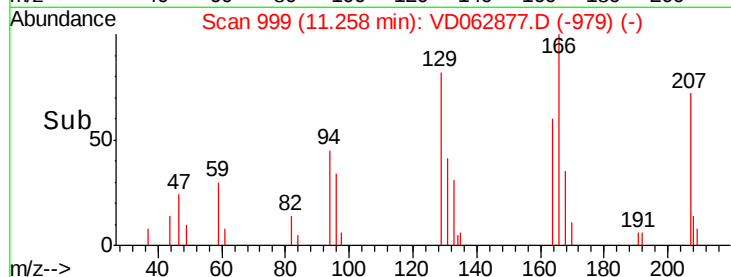
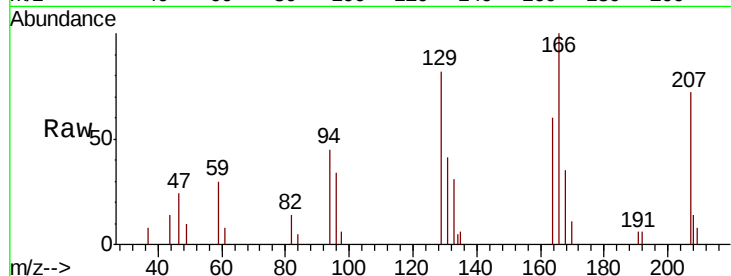
Ion Ratio Lower Upper

164 100

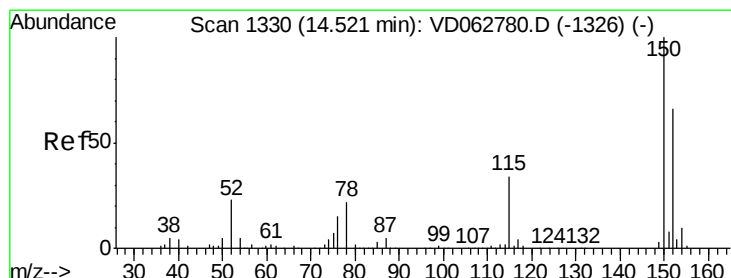
166 167.3 100.6 150.8#

129 136.8 69.4 104.0#

131 68.9 69.3 103.9#



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062877.D

Acq: 25 Jun 2019 14:20

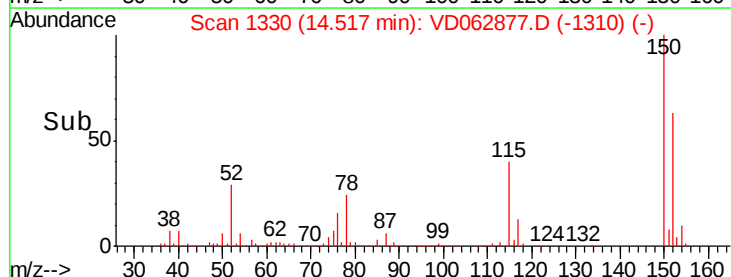
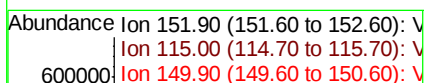
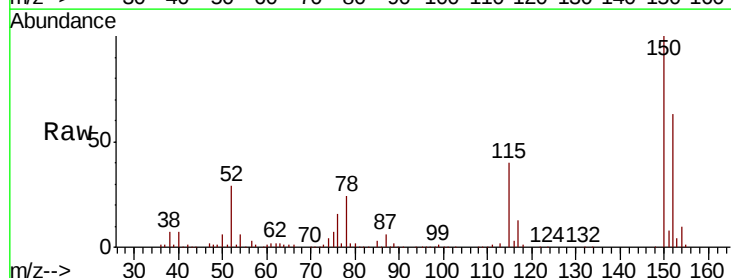
Tgt Ion:152 Resp: 419035

Ion Ratio Lower Upper

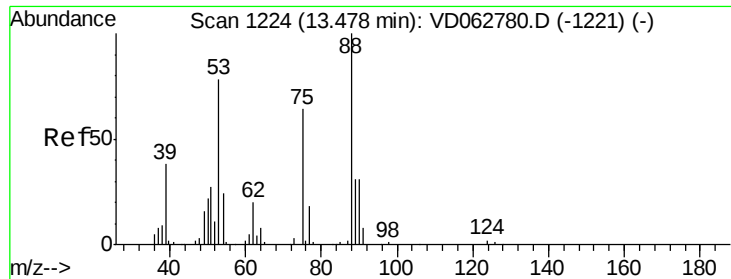
152 100

115 64.0 29.2 87.6

150 158.4 0.0 305.8



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 145.028 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062877.D

Acq: 25 Jun 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

B-8(9-10)

Tot Ion: 75 Resp: 183870

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

