

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062847.D
 Acq On : 24 Jun 2019 18:20
 Operator : VA/AP
 Sample : K3500-03
 Misc : 6.81g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-3(9-10)

Quant Time: Jun 25 05:05:07 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	685938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	910596	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	724789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	433542	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	398977	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	
35) Dibromofluoromethane	6.92	113	413852	53.90	ug/l	0.00
Spiked Amount			Recovery	=	107.80%	
50) Toluene-d8	10.41	98	857701	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	13.56	95	382057	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	

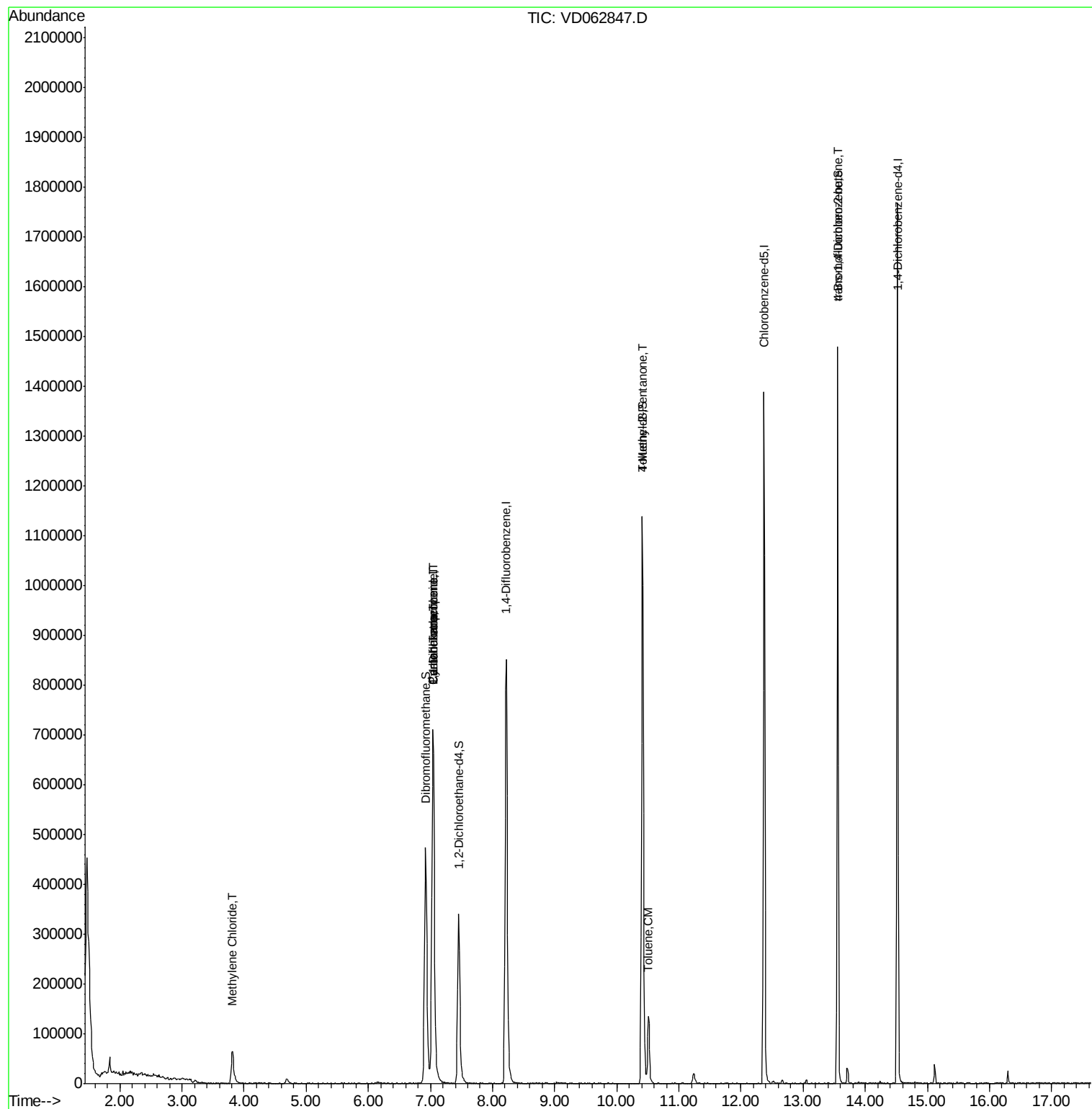
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.81	84	38649	6.797	ug/l	88
31) Cyclohexane	7.03	56	17250	2.464	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	55750	6.467	ug/l #	55
37) Ethyl Acetate	6.17	43	211	Below Cal	#	69
38) Carbon Tetrachloride	7.04	117	73834	5.695	ug/l #	17
51) 4-Methyl-2-Pentanone	10.41	43	6979	2.178	ug/l #	1
52) Toluene	10.51	92	64115	5.512	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.56	75	181398	138.291	ug/l #	2

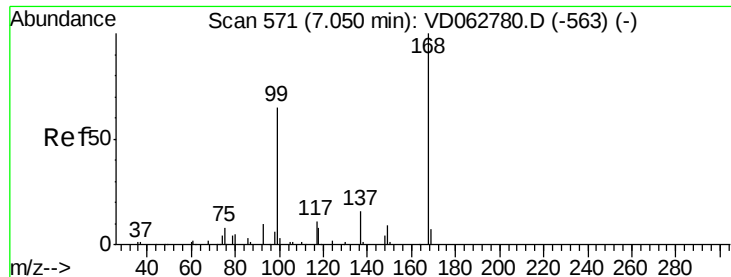
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
Data File : VD062847.D
Acq On : 24 Jun 2019 18:20
Operator : VA/AP
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Misc : 6.81g/5ml/MSVOA D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :
B-3(9-10)

Quant Time: Jun 25 05:05:07 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# 570

Delta R.T. -0.01 min

Lab File: VD062847.D

Acq: 24 Jun 2019 18:20

Instrument :

MSVOA_D

ClientSampled :

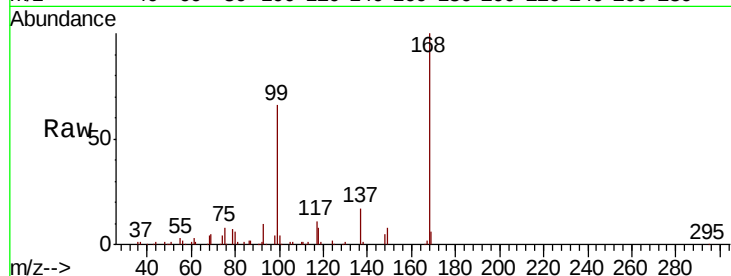
B-3(9-10)

Tot Ion:168 Resp: 685938

Ion Ratio Lower Upper

168 100

99 65.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

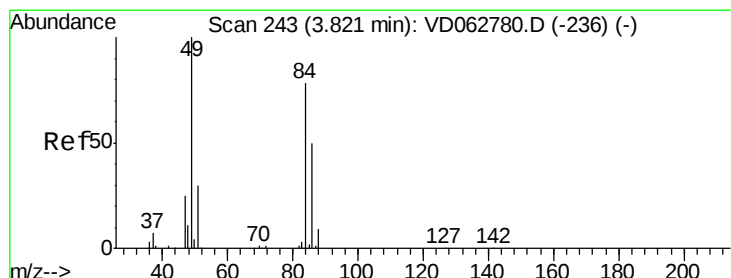
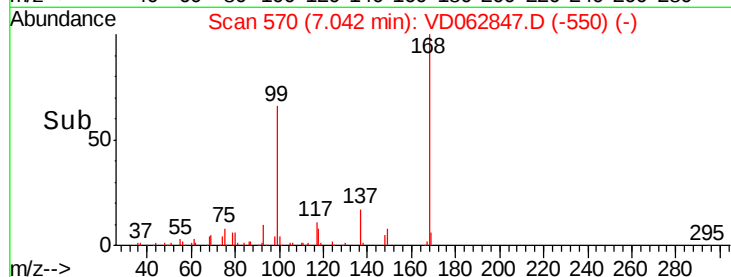
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 6.797 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD062847.D

Acq: 24 Jun 2019 18:20

Tgt Ion: 84 Resp: 38649

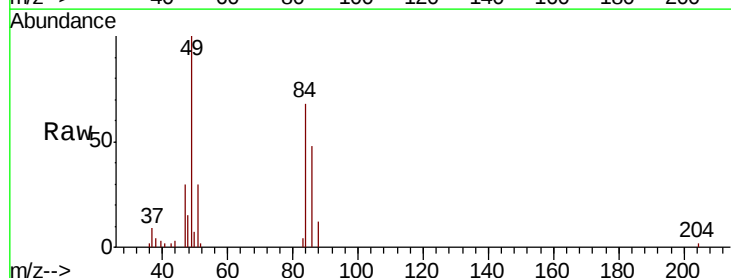
Ion Ratio Lower Upper

84 100

49 147.0 102.9 154.3

51 43.9 31.2 46.8

86 70.1 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

30000

25000

20000

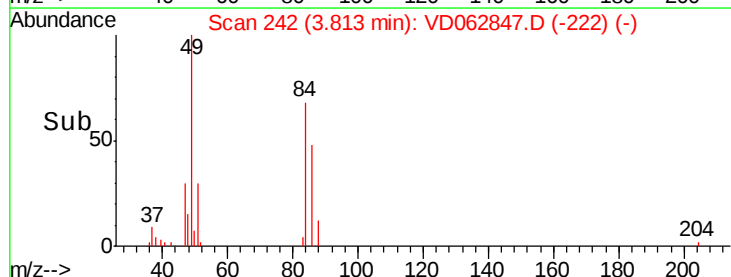
15000

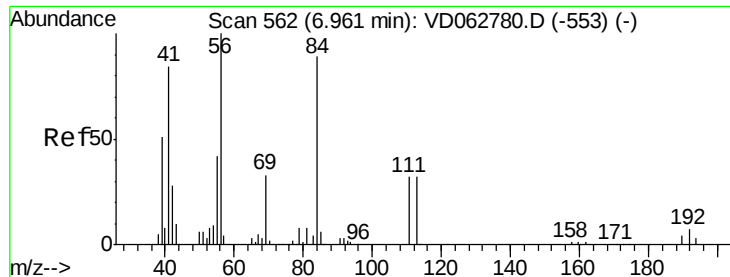
10000

5000

0

Time-->

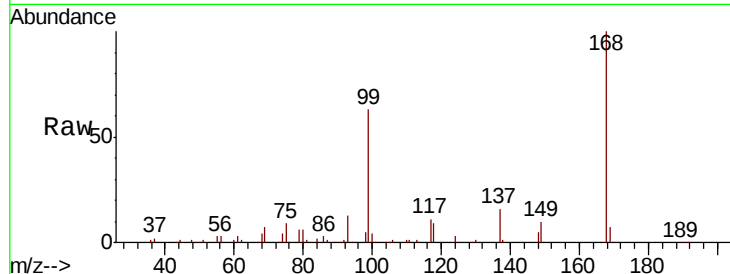




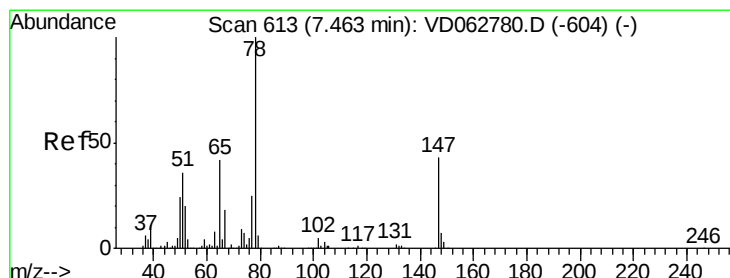
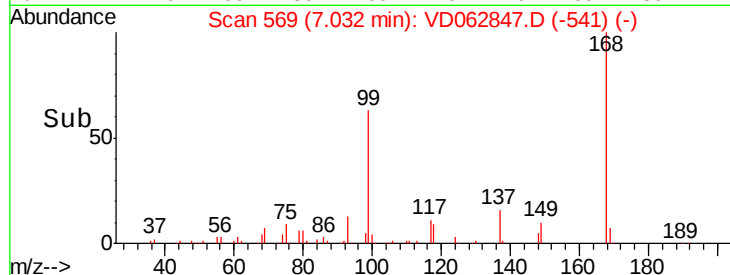
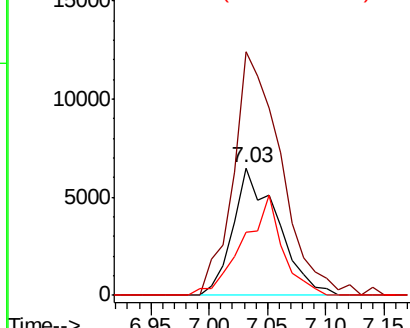
#31
Cyclohexane
Concen: 2.464 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.07 min
Lab File: VD062847.D
Acq: 24 Jun 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :
B-3(9-10)

Tot Ion: 56 Resp: 17250
Ion Ratio Lower Upper
56 100
69 191.0 26.6 39.8#
84 49.1 75.5 113.3#

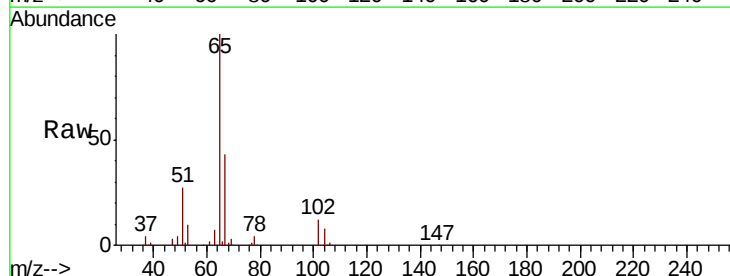


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

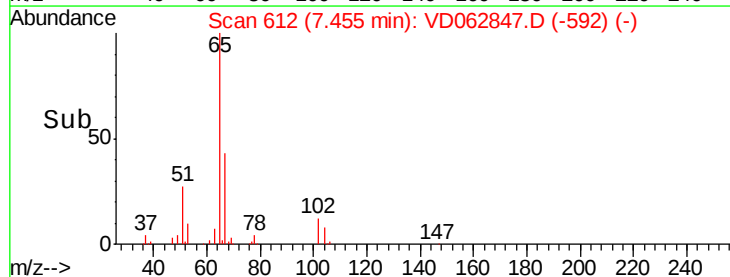
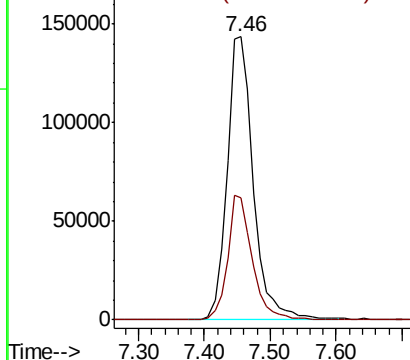


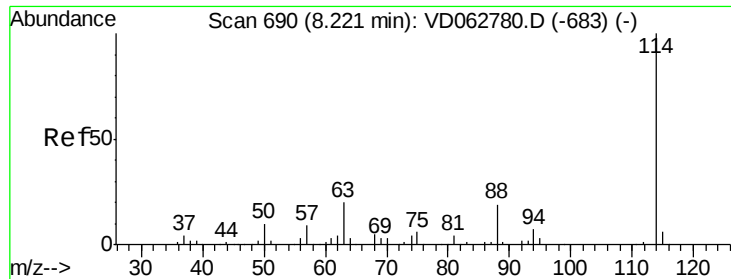
#33
1,2-Dichloroethane-d4
Concen: 53.511 ug/l
RT: 7.46 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD062847.D
Acq: 24 Jun 2019 18:20

Tgt Ion: 65 Resp: 398977
Ion Ratio Lower Upper
65 100
67 43.1 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

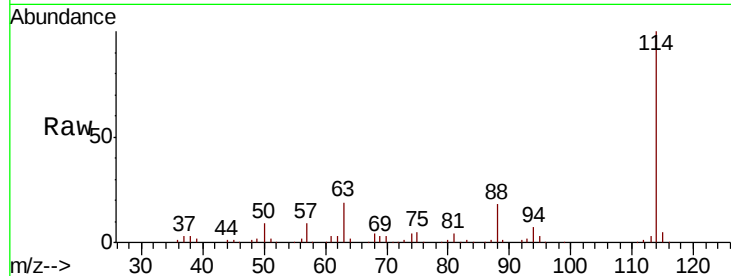




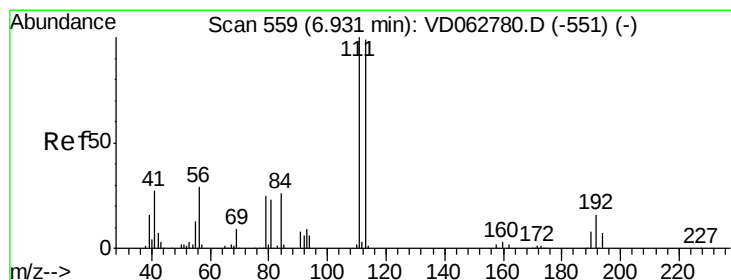
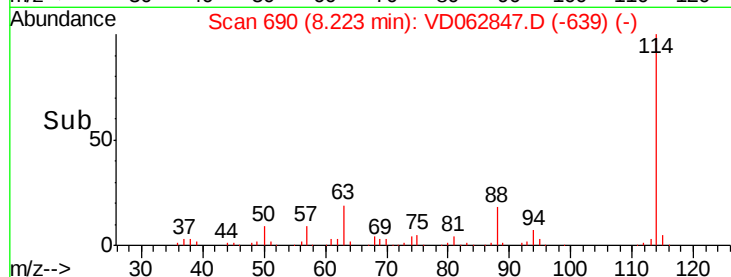
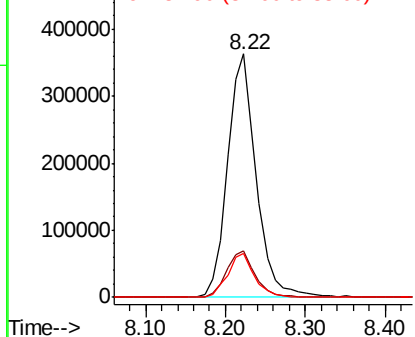
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.22 min Scan# 690
Delta R.T. 0.00 min
Lab File: VD062847.D
Acq: 24 Jun 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :
B-3(9-10)

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	40.0
88	18.3	0.0	38.8

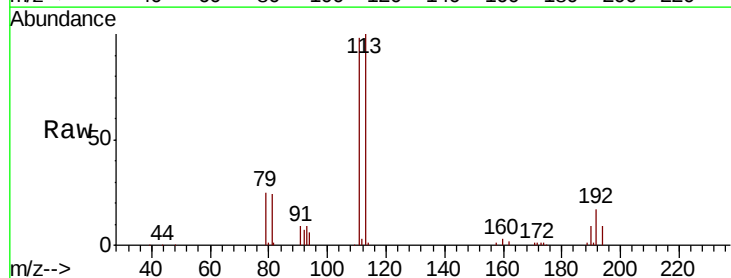


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

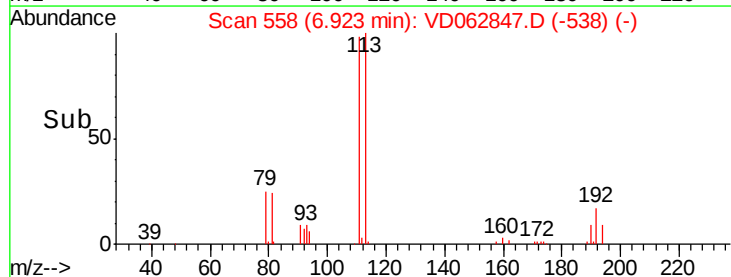
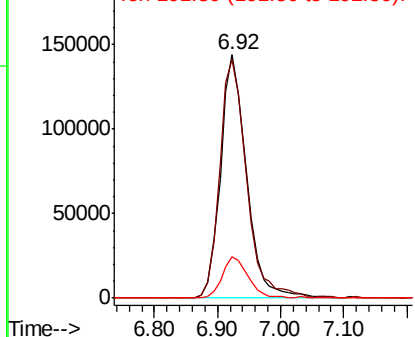


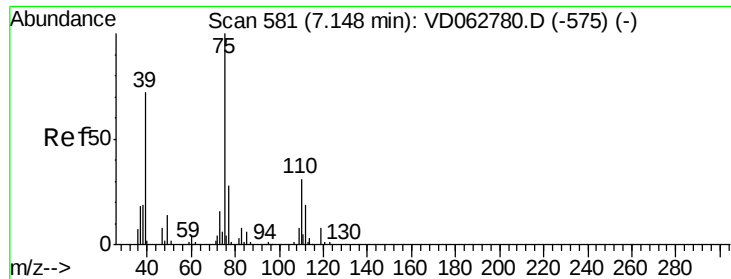
#35
Dibromofluoromethane
Concen: 53.900 ug/l
RT: 6.92 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD062847.D
Acq: 24 Jun 2019 18:20

Tgt Ion	Ratio	Lower	Upper
113	100		
111	97.9	81.2	121.8
192	17.2	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: 6.467 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD062847.D

Acq: 24 Jun 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

B-3(9-10)

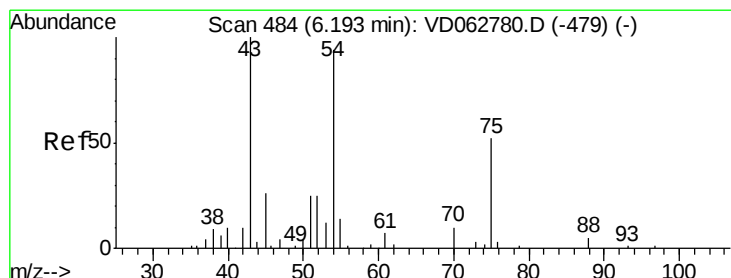
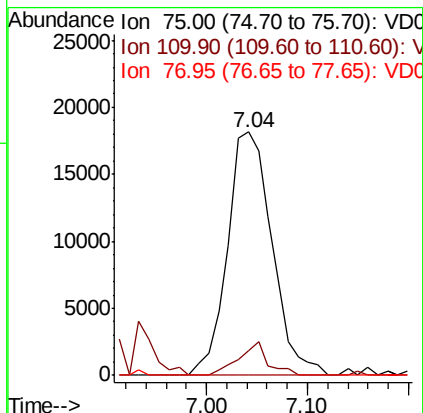
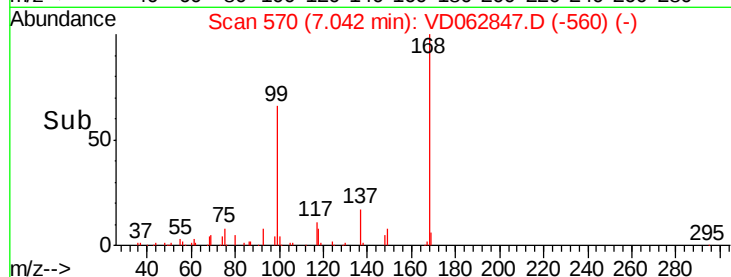
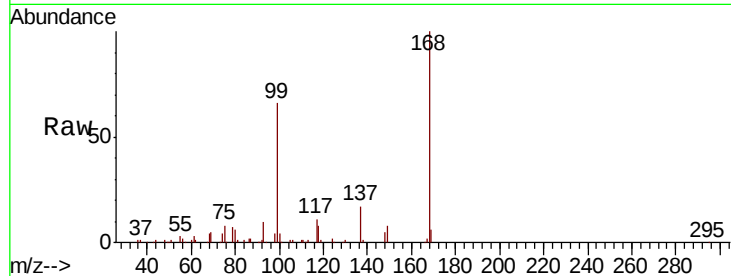
Tot Ion: 75 Resp: 55750

Ion Ratio Lower Upper

75 100

110 9.9 15.0 45.1#

77 0.0 22.2 33.2#



#37

Ethyl Acetate

Concen: Below Cal

RT: 6.17 min Scan# 481

Delta R.T. -0.03 min

Lab File: VD062847.D

Acq: 24 Jun 2019 18:20

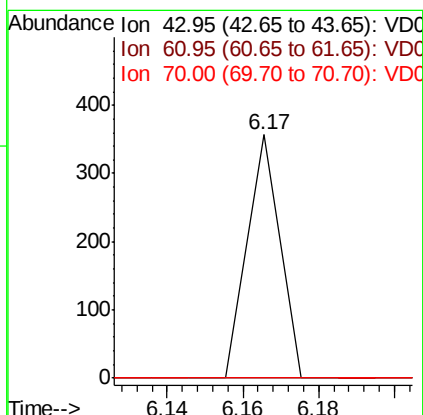
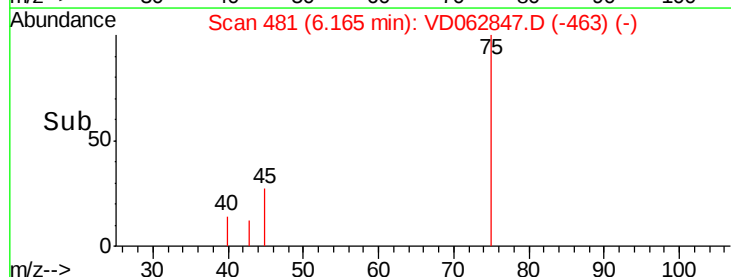
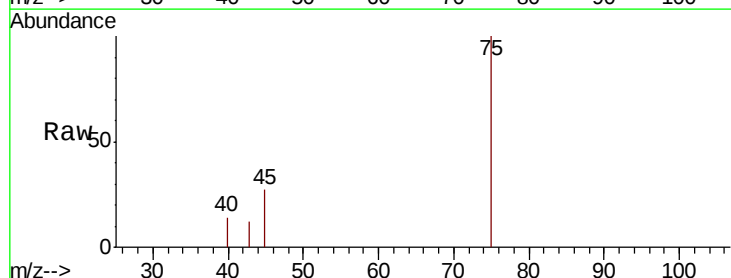
Tgt Ion: 43 Resp: 211

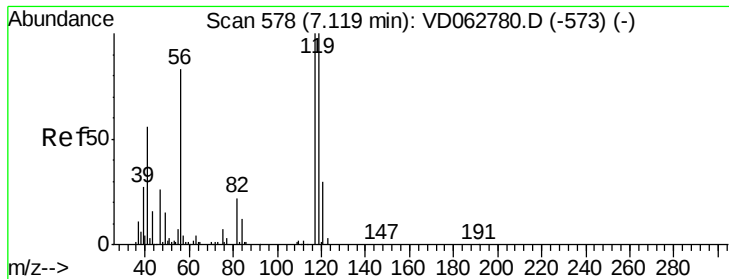
Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

70 0.0 6.4 9.6#





#38

Carbon Tetrachloride

Concen: 5.695 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD062847.D

Acq: 24 Jun 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

B-3(9-10)

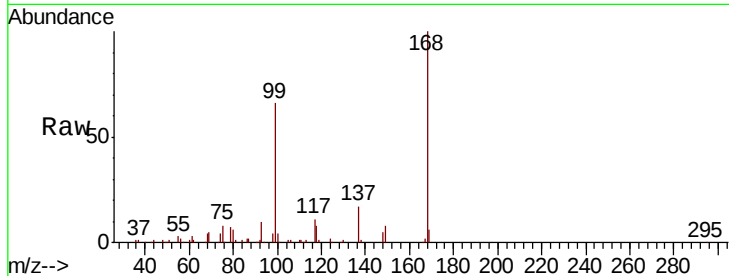
Tot Ion:117 Resp: 73834

Ion Ratio Lower Upper

117 100

119 6.0 75.4 113.2#

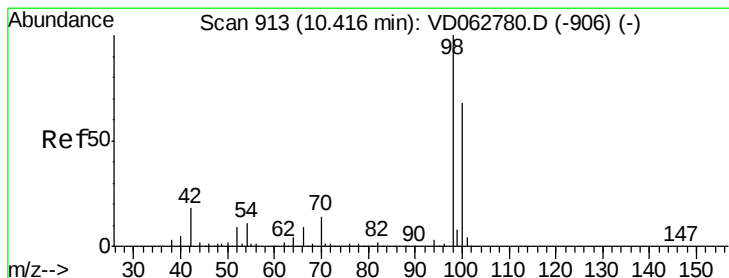
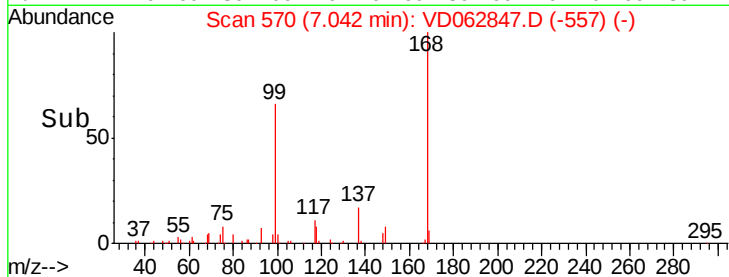
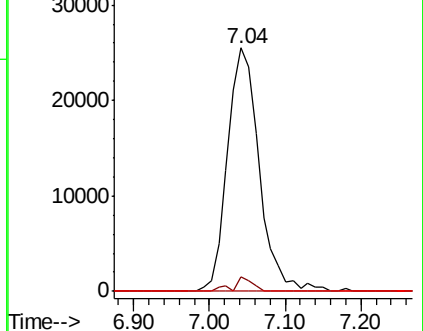
121 0.0 22.3 33.5#



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: 51.325 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD062847.D

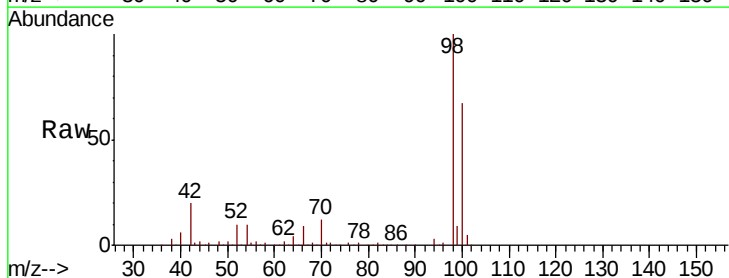
Acq: 24 Jun 2019 18:20

Tgt Ion: 98 Resp: 857701

Ion Ratio Lower Upper

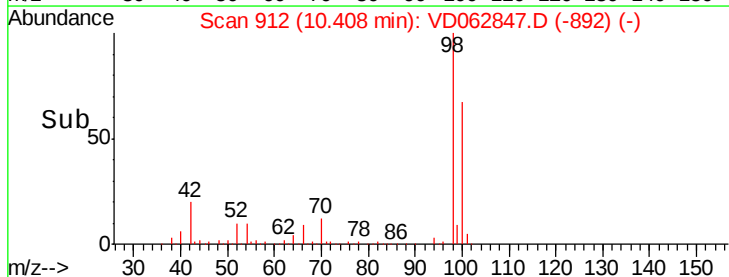
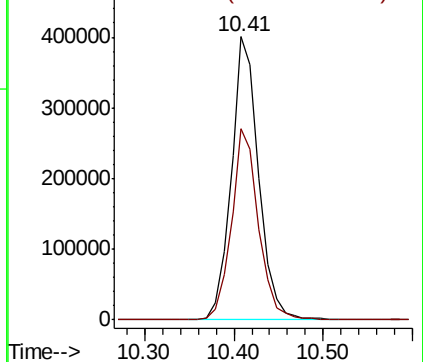
98 100

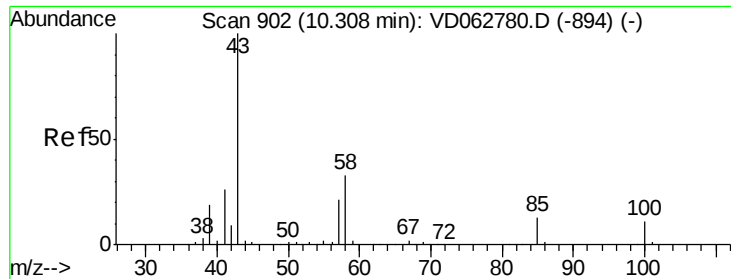
100 67.4 54.7 82.1



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: 2.178 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.10 min

Lab File: VD062847.D

Acq: 24 Jun 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

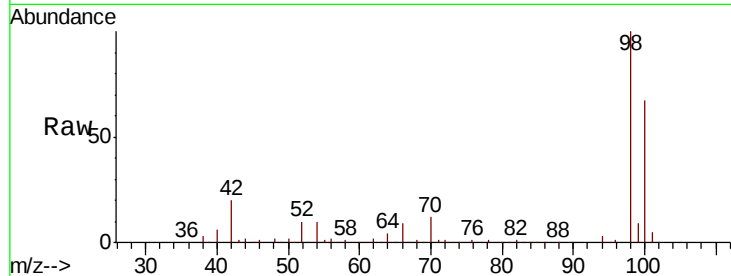
B-3(9-10)

Tot Ion: 43 Resp: 6979

Ion Ratio Lower Upper

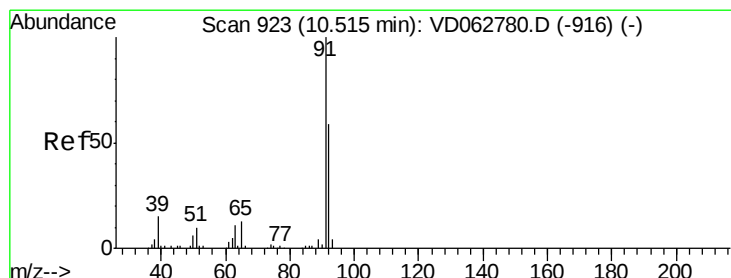
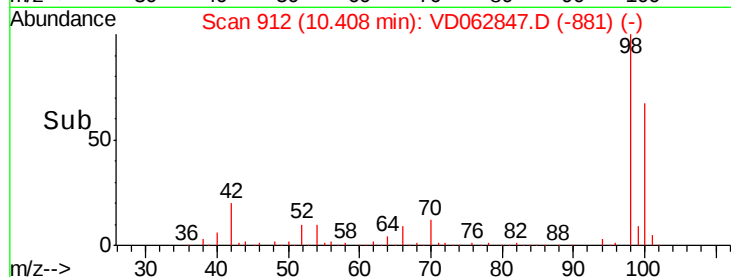
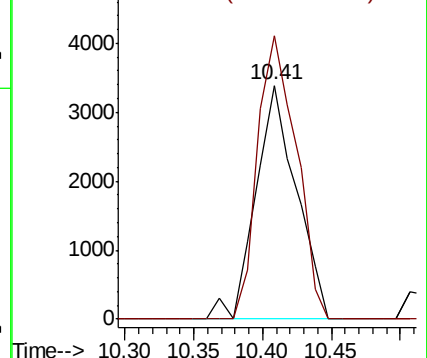
43 100

58 121.2 26.6 40.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 5.512 ug/l

RT: 10.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062847.D

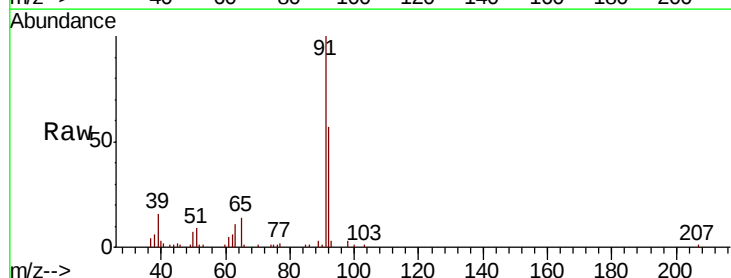
Acq: 24 Jun 2019 18:20

Tgt Ion: 92 Resp: 64115

Ion Ratio Lower Upper

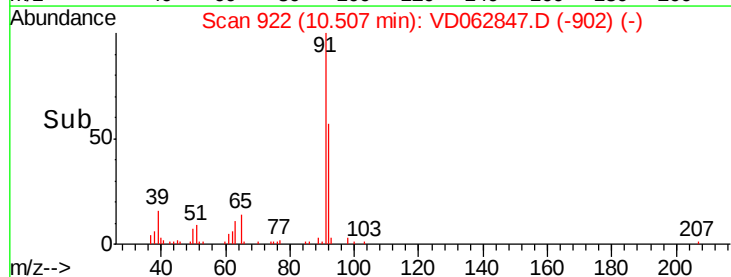
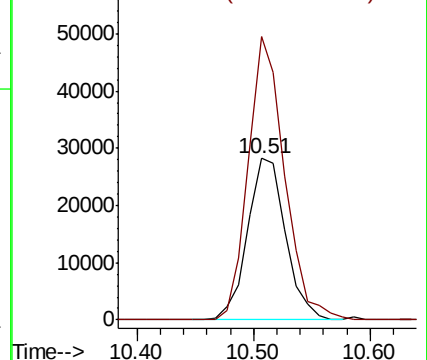
92 100

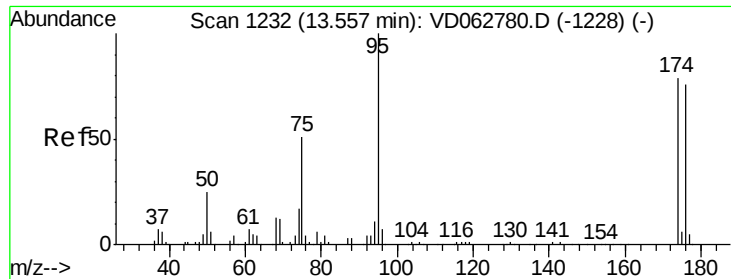
91 175.1 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: 50.280 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062847.D

Acq: 24 Jun 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

B-3(9-10)

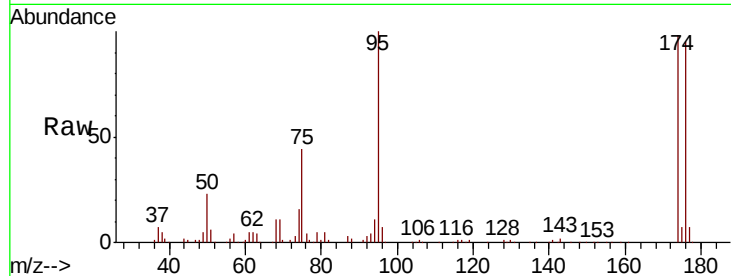
Tot Ion: 95 Resp: 382057

Ion Ratio Lower Upper

95 100

174 97.8 0.0 158.0

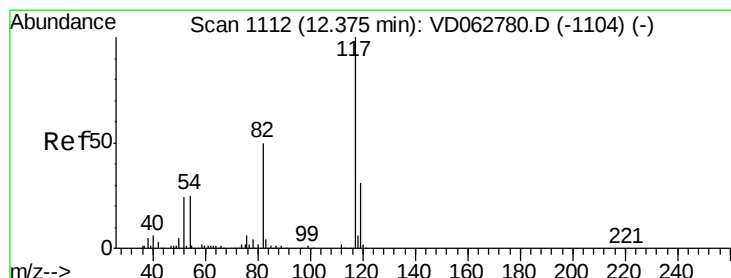
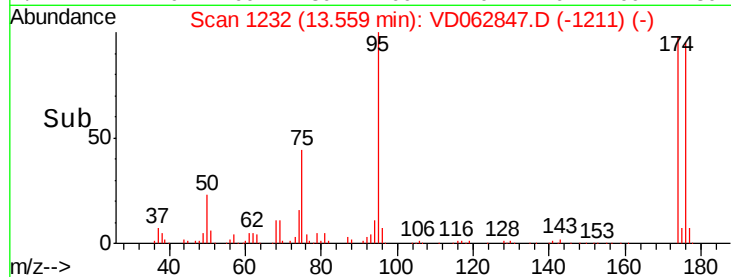
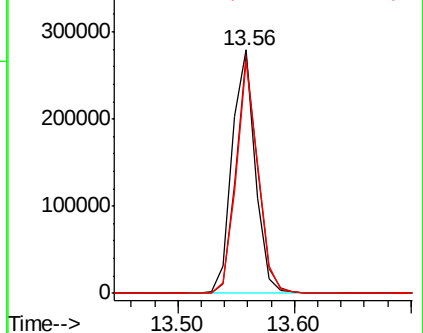
176 95.3 0.0 151.6



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: 12.37 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD062847.D

Acq: 24 Jun 2019 18:20

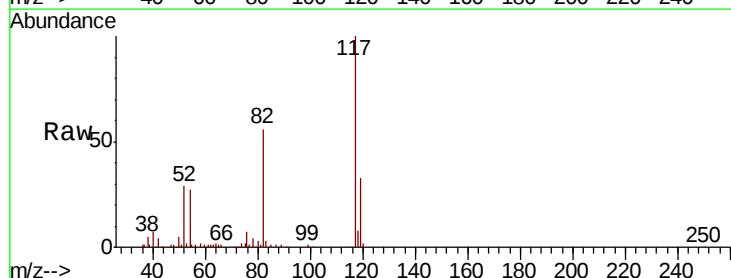
Tgt Ion: 117 Resp: 724789

Ion Ratio Lower Upper

117 100

82 55.7 40.4 60.6

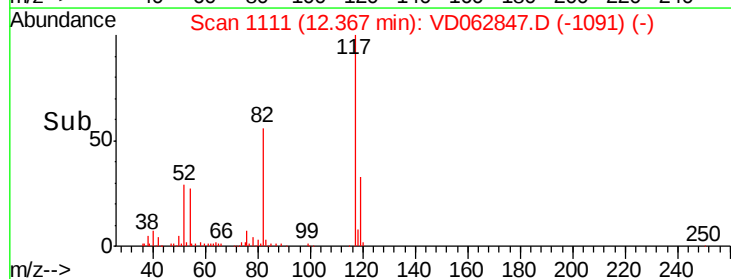
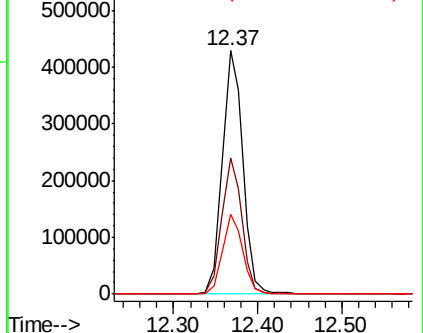
119 32.9 25.2 37.8

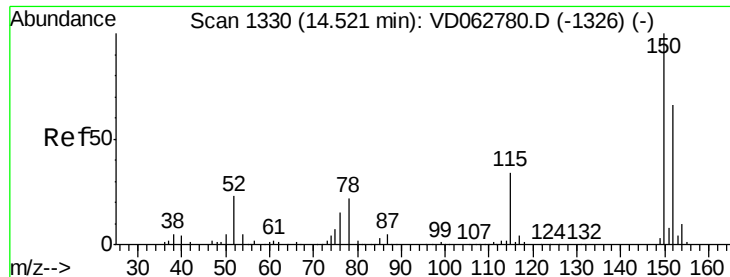


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062847.D

Acq: 24 Jun 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

B-3(9-10)

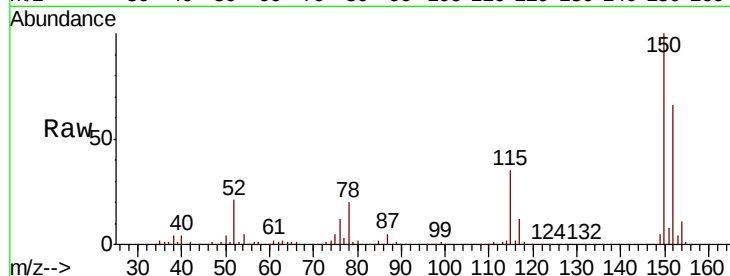
Tot Ion:152 Resp: 433542

Ion Ratio Lower Upper

152 100

115 52.4 29.2 87.6

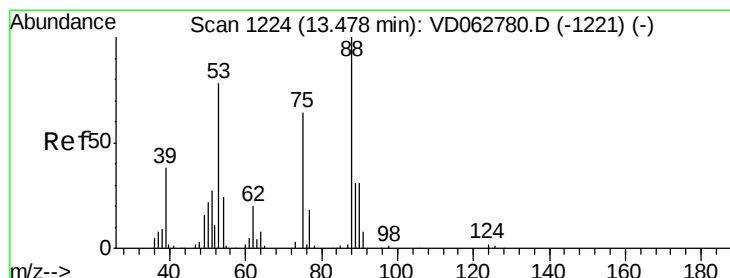
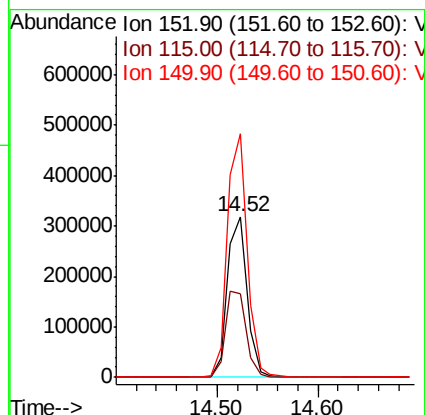
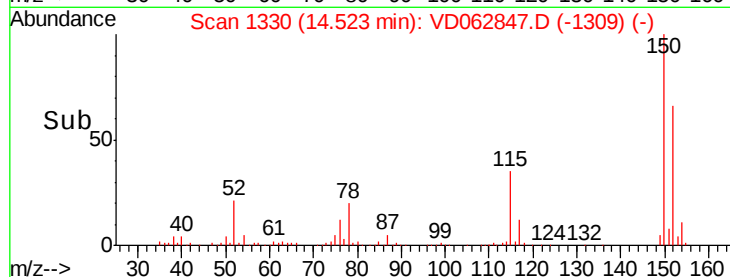
150 151.5 0.0 305.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 138.291 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062847.D

Acq: 24 Jun 2019 18:20

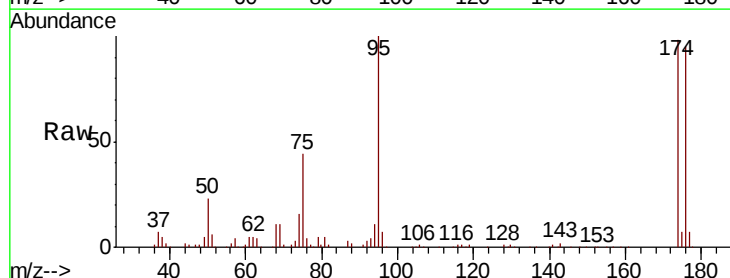
Tgt Ion: 75 Resp: 181398

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

