

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051119\
 Data File : VD062243.D
 Acq On : 11 May 2019 17:54
 Operator : FY/SY
 Sample : K2718-14RE
 Misc : 6.03g/5mL/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-1218-01

Quant Time: May 11 22:23:11 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	645217	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	948652	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	691261	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	261338	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	344717	57.49	ug/l	0.03
Spiked Amount			Recovery	=	114.98%	
35) Dibromofluoromethane	6.92	113	413220	52.50	ug/l	0.03
Spiked Amount			Recovery	=	105.00%	
50) Toluene-d8	10.41	98	837355	44.12	ug/l	0.01
Spiked Amount			Recovery	=	88.24%	
62) 4-Bromofluorobenzene	13.56	95	290711	38.15	ug/l	0.01
Spiked Amount			Recovery	=	76.30%	

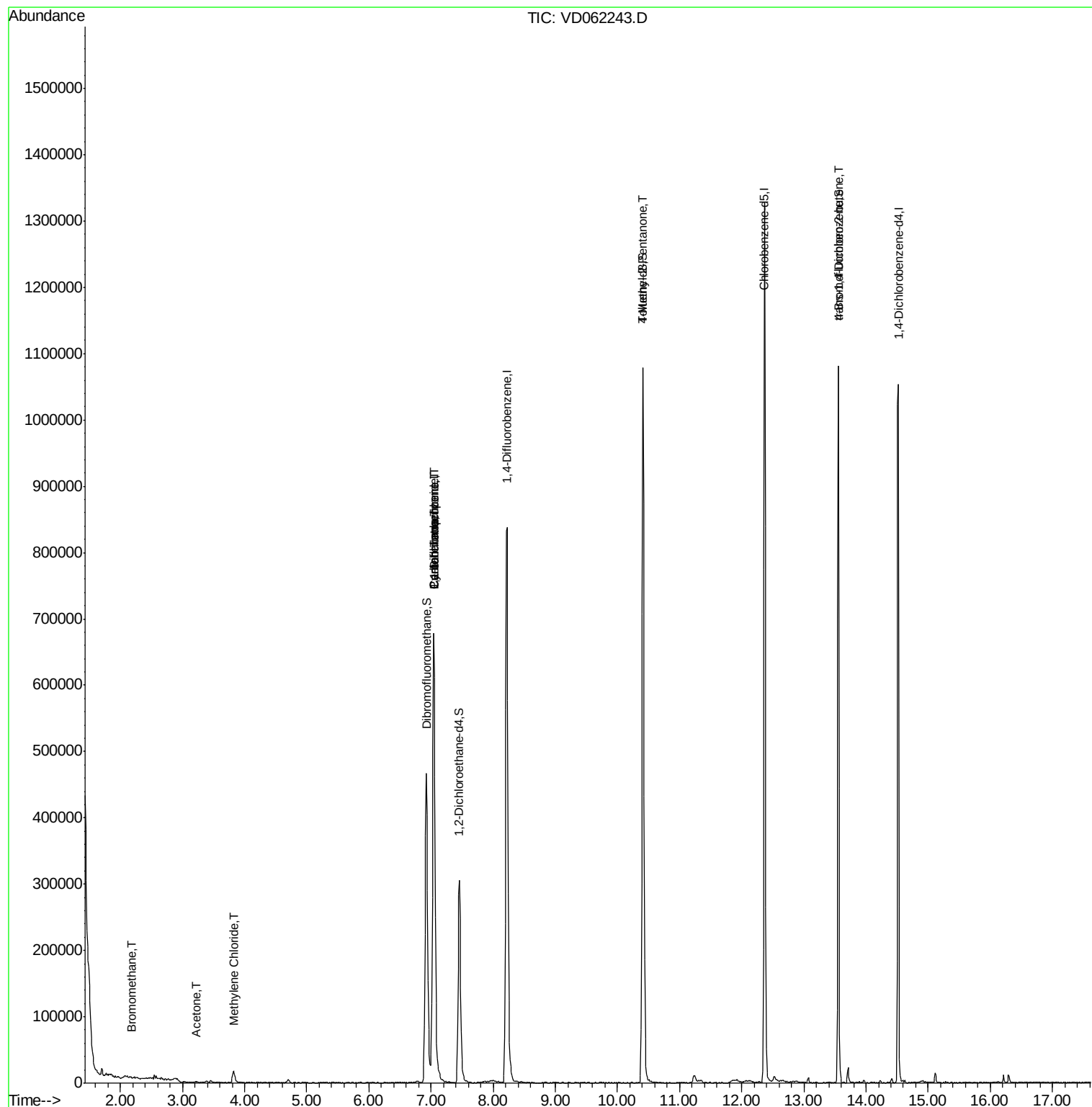
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	1378	1.342	ug/l #	12
16) Acetone	3.21	43	2733	2.173	ug/l #	50
18) Methyl Acetate	3.50	43	217	Below Cal	#	53
20) Methylene Chloride	3.82	84	12409	2.363	ug/l	91
31) Cyclohexane	7.04	56	13032	2.071	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	50169	6.450	ug/l #	49
38) Carbon Tetrachloride	7.04	117	65622	6.096	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	4723	1.571	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	126925	144.762	ug/l #	16

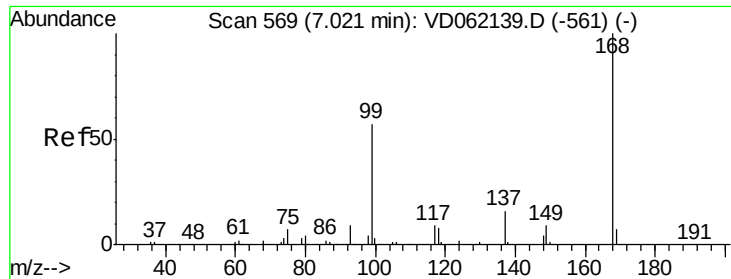
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062243.D

Acq: 11 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

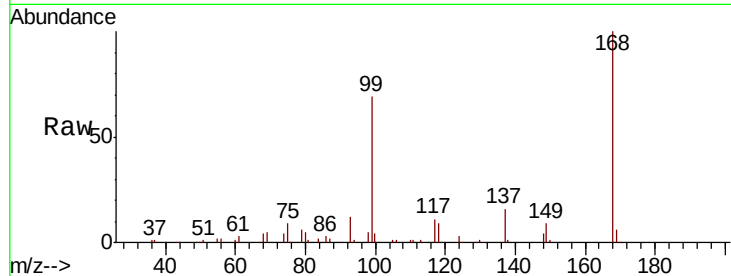
P026-SS006-1218-01

Tot Ion:168 Resp: 645217

Ion Ratio Lower Upper

168 100

99 68.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

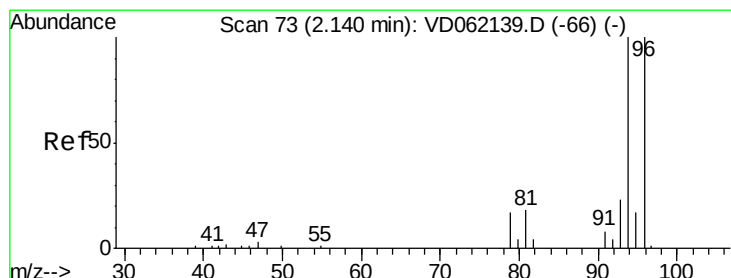
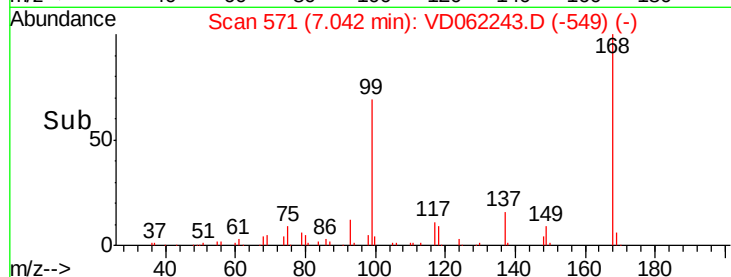
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.342 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD062243.D

Acq: 11 May 2019 17:54

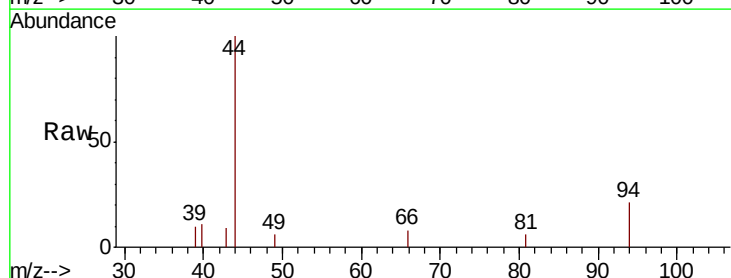
Tgt Ion: 94 Resp: 1378

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

2.17

1500

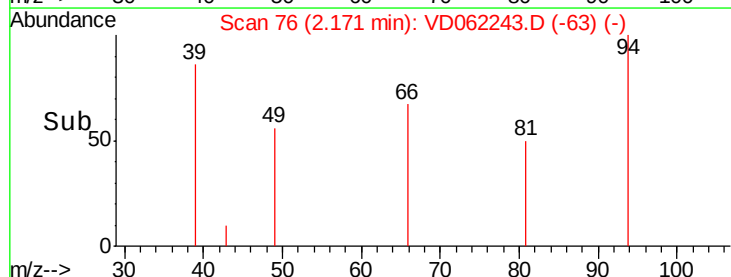
1000

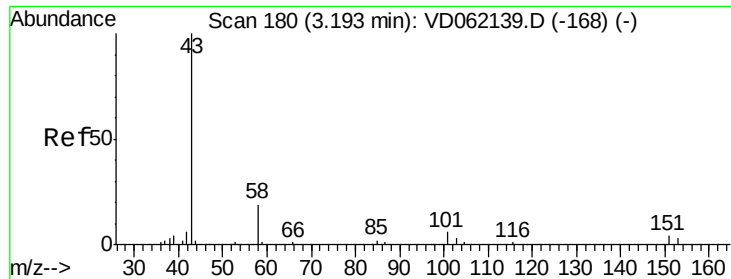
500

0

Time-->

2.10 2.15 2.20





#16

Acetone

Concen: 2.173 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD062243.D

Acq: 11 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

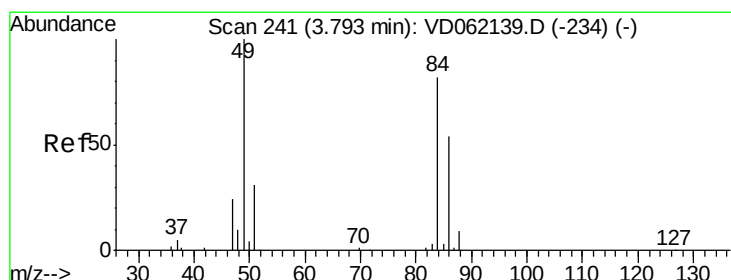
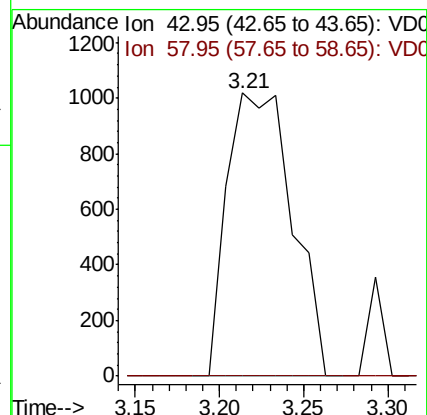
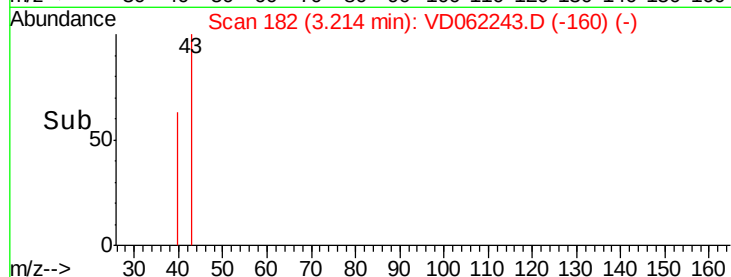
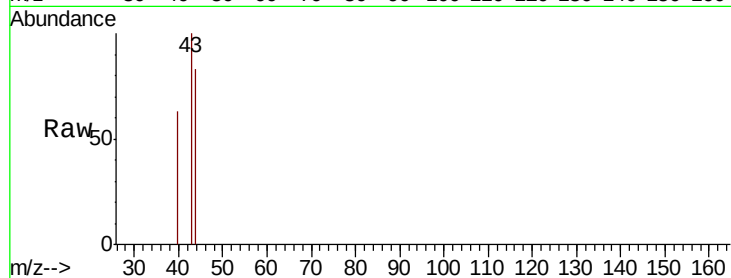
P026-SS006-1218-01

Tot Ion: 43 Resp: 2733

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



#20

Methylene Chloride

Concen: 2.363 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD062243.D

Acq: 11 May 2019 17:54

Tgt Ion: 84 Resp: 12409

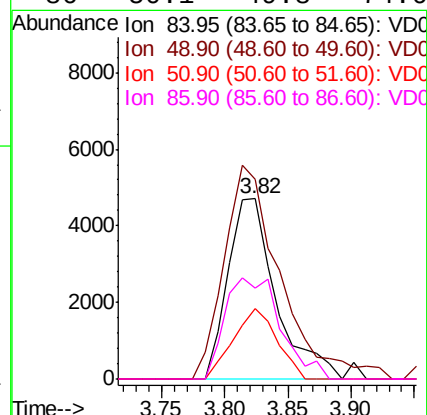
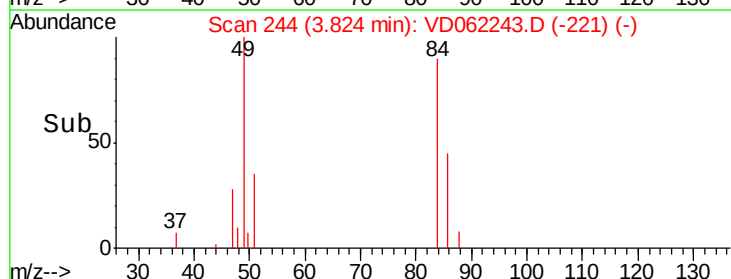
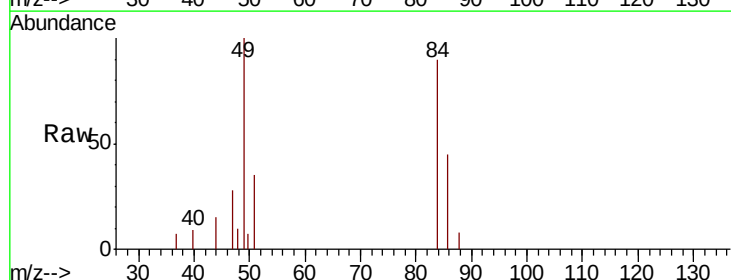
Ion Ratio Lower Upper

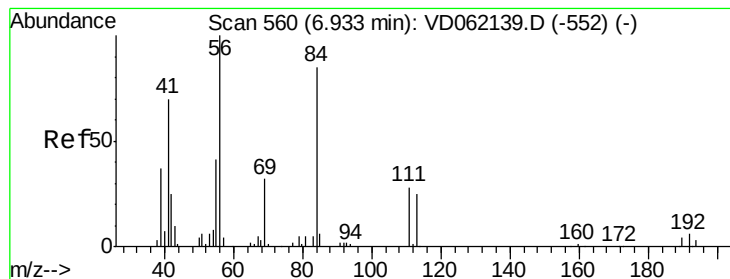
84 100

49 111.0 94.0 141.0

51 39.1 29.0 43.4

86 50.1 49.8 74.6





#31

Cyclohexane

Concen: 2.071 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD062243.D

Acq: 11 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

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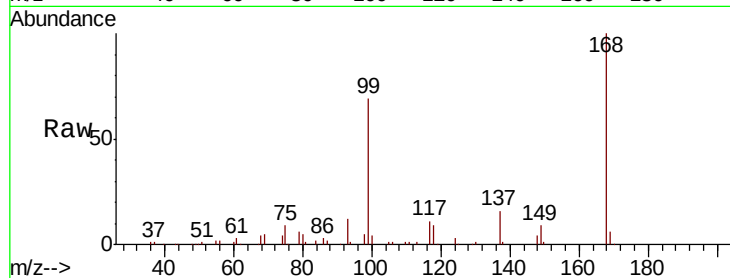
Tot Ion: 56 Resp: 13032

Ion Ratio Lower Upper

56 100

69 217.1 25.8 38.6#

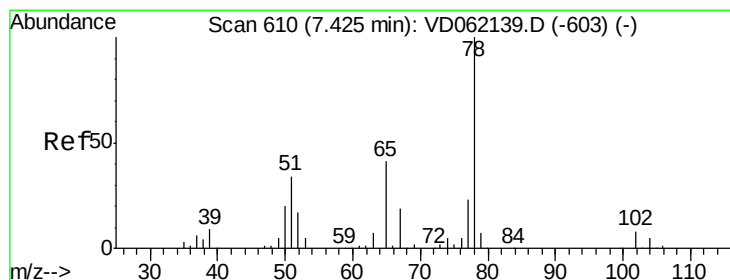
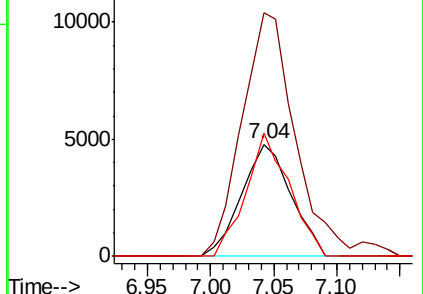
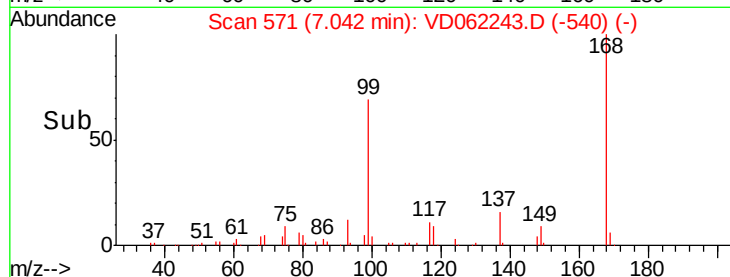
84 109.6 72.2 108.4#



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: 57.490 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062243.D

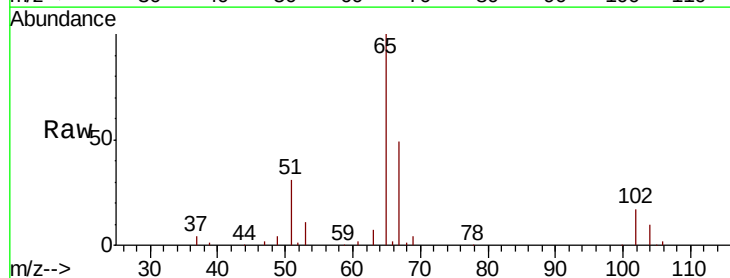
Acq: 11 May 2019 17:54

Tgt Ion: 65 Resp: 344717

Ion Ratio Lower Upper

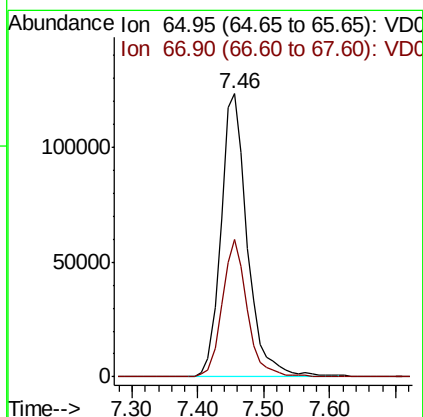
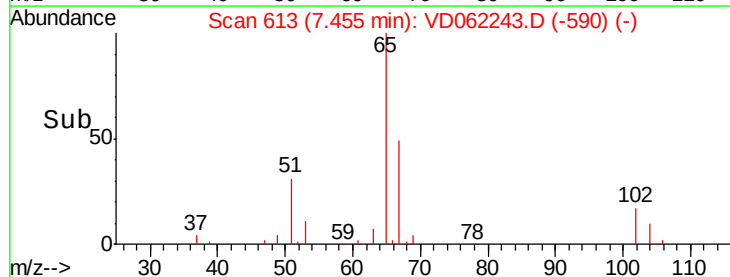
65 100

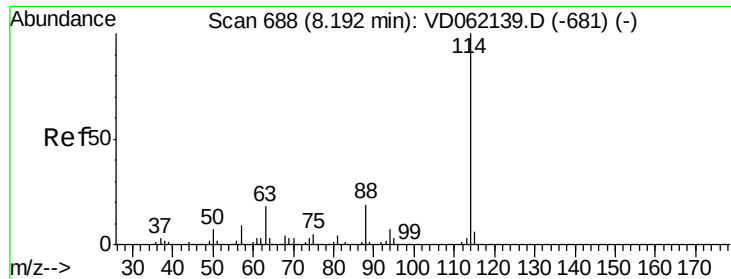
67 48.7 0.0 98.0



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# 691

Delta R.T. 0.03 min

Lab File: VD062243.D

Acq: 11 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-1218-01

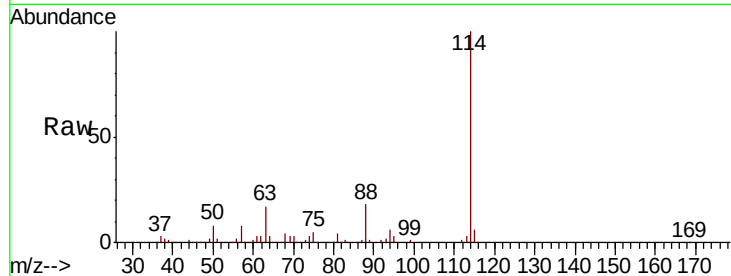
Tot Ion:114 Resp: 948652

Ion Ratio Lower Upper

114 100

63 17.3 0.0 32.4

88 17.9 0.0 33.6



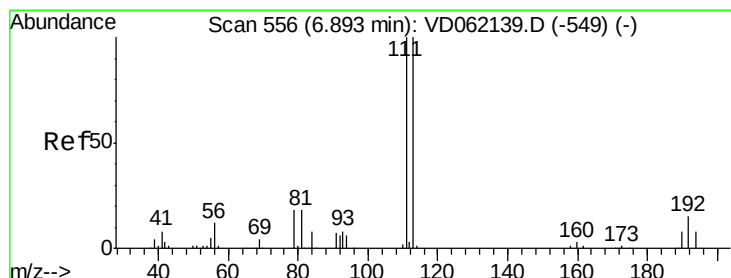
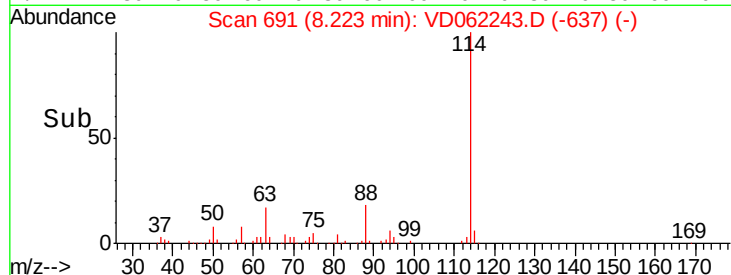
Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V

8.22

Time-->



#35

Dibromofluoromethane

Concen: 52.499 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062243.D

Acq: 11 May 2019 17:54

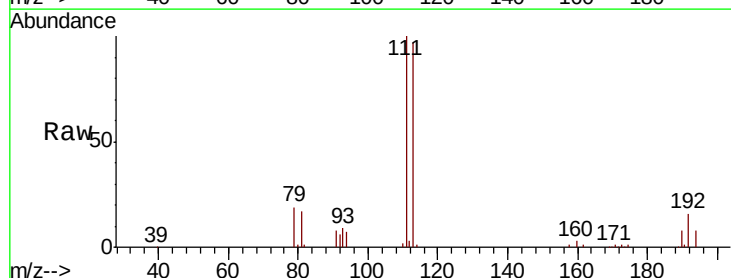
Tgt Ion:113 Resp: 413220

Ion Ratio Lower Upper

113 100

111 103.6 78.5 117.7

192 16.6 13.0 19.4



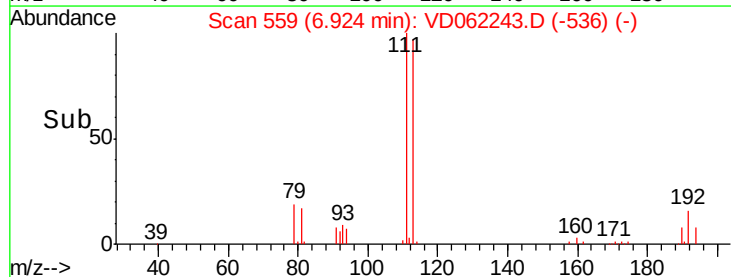
Abundance Ion 112.90 (112.60 to 113.60): V

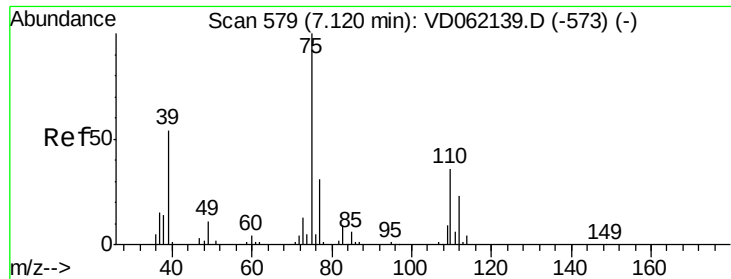
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

6.92

Time-->

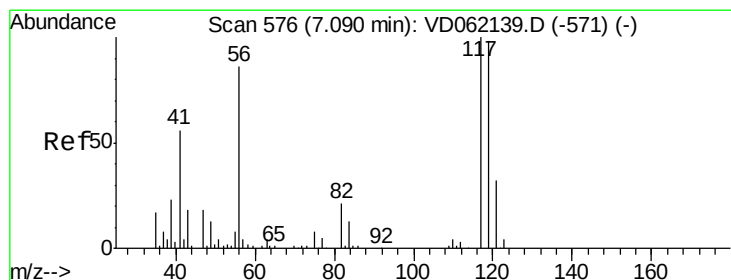
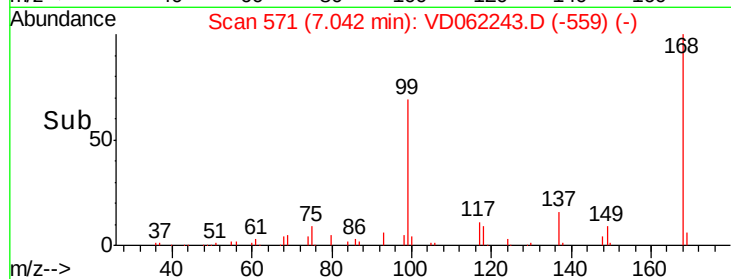
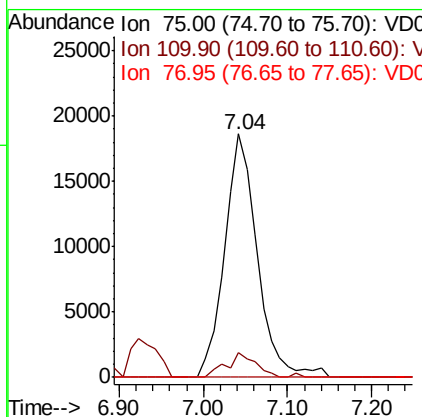
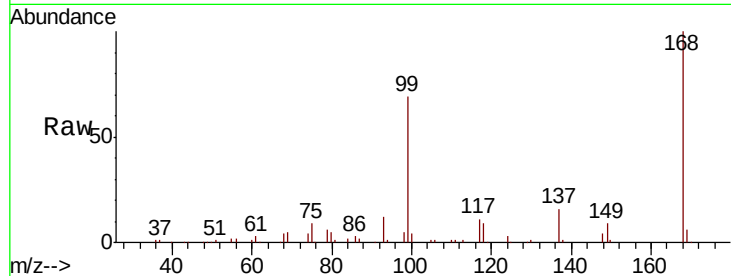




#36
 1,1-Dichloropropene
 Concen: 6.450 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.08 min
 Lab File: VD062243.D
 Acq: 11 May 2019 17:54

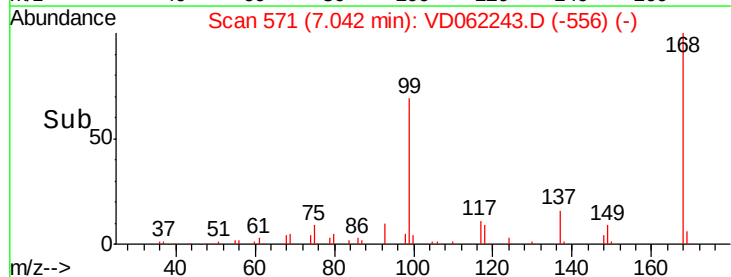
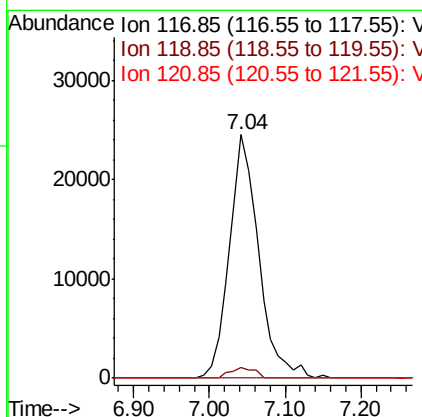
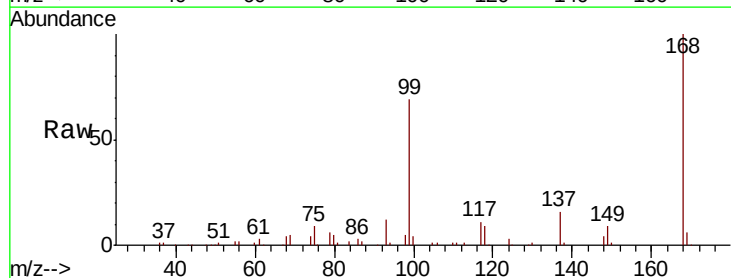
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-1218-01

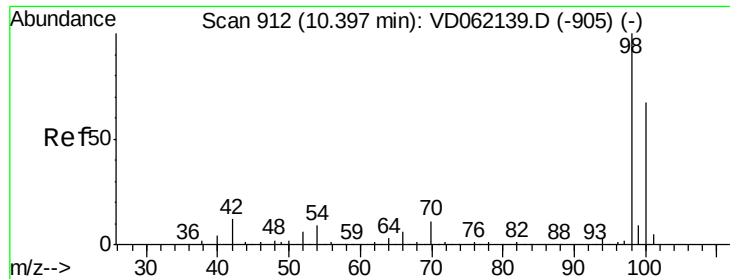
Tot Ion	75	Resp	50169
Ion Ratio	Lower	Upper	
75	100		
110	10.1	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.096 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.05 min
 Lab File: VD062243.D
 Acq: 11 May 2019 17:54

Tgt Ion	117	Resp	65622
Ion Ratio	Lower	Upper	
117	100		
119	4.2	75.8	113.8#
121	0.0	25.9	38.9#

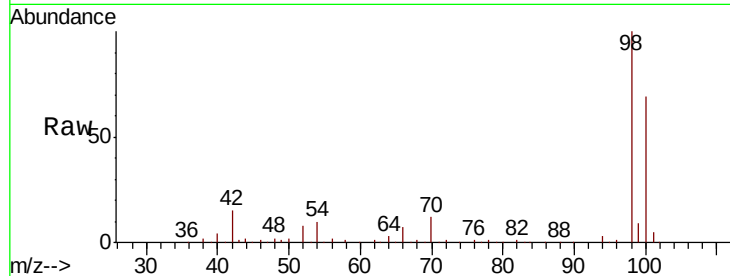




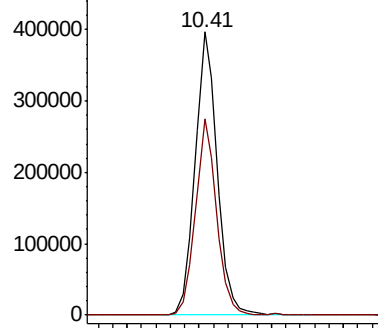
#50
Toluene-d8
Concen: 44.123 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062243.D
Acq: 11 May 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-1218-01

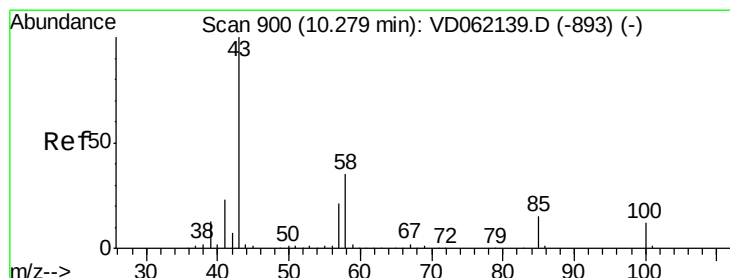
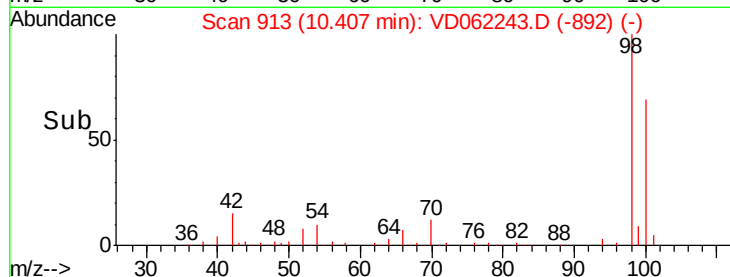
Tot Ion: 98 Resp: 837355
Ion Ratio Lower Upper
98 100
100 69.1 53.8 80.8



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

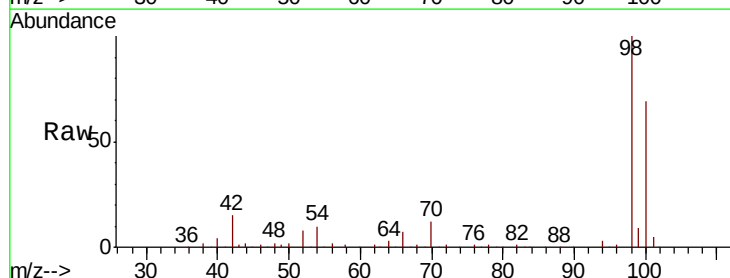


Time-->

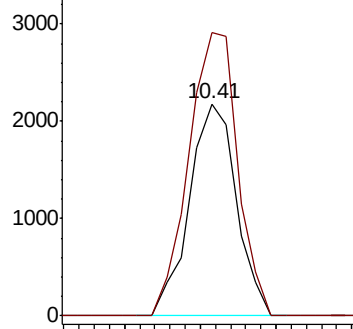


#51
4-Methyl-2-Pentanone
Concen: 1.571 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.13 min
Lab File: VD062243.D
Acq: 11 May 2019 17:54

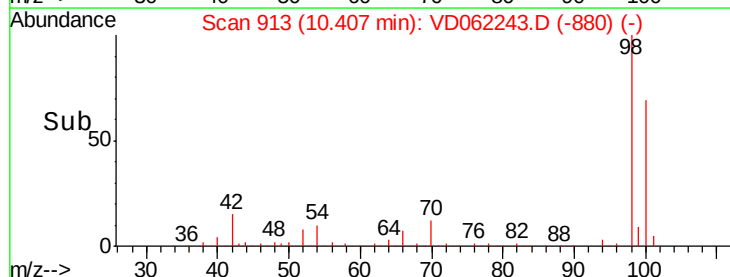
Tgt Ion: 43 Resp: 4723
Ion Ratio Lower Upper
43 100
58 133.4 30.4 45.6#

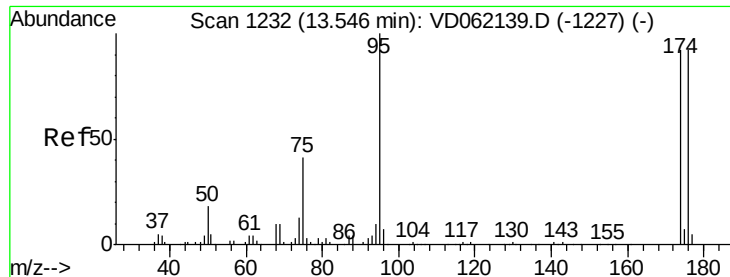


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



Time-->





#62

4-Bromofluorobenzene

Concen: 38.147 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062243.D

Acq: 11 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-1218-01

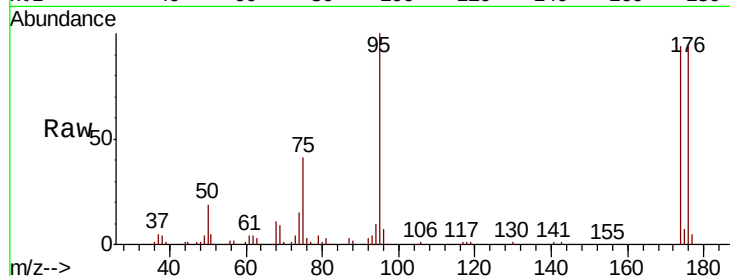
Tot Ion: 95 Resp: 290711

Ion Ratio Lower Upper

95 100

174 93.9 0.0 181.8

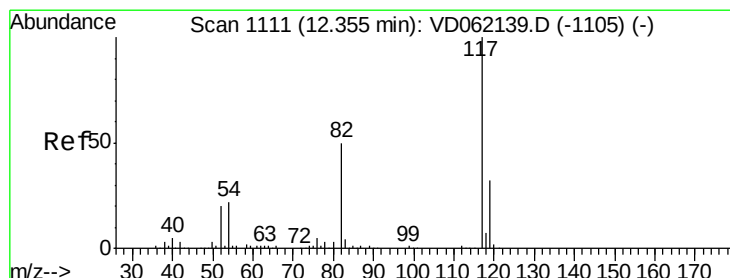
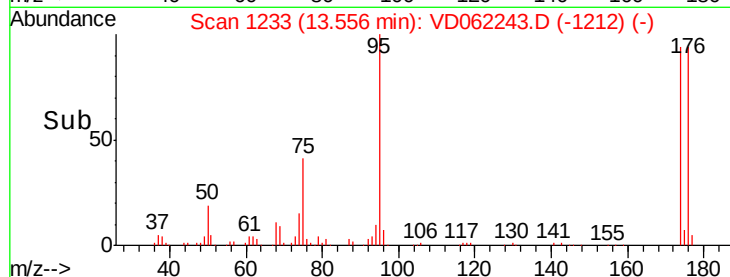
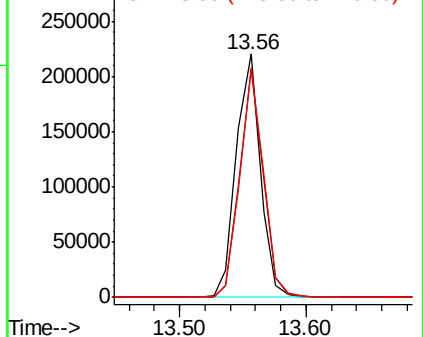
176 94.0 0.0 174.4



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD062243.D

Acq: 11 May 2019 17:54

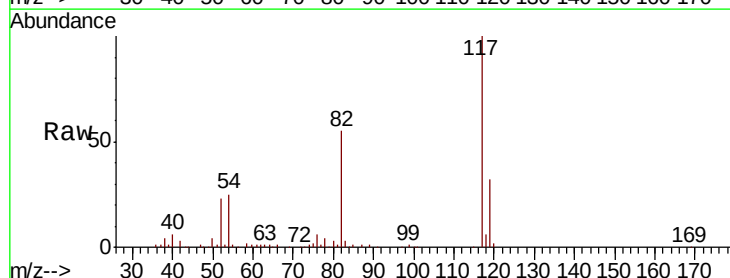
Tgt Ion: 117 Resp: 691261

Ion Ratio Lower Upper

117 100

82 55.5 36.2 54.2#

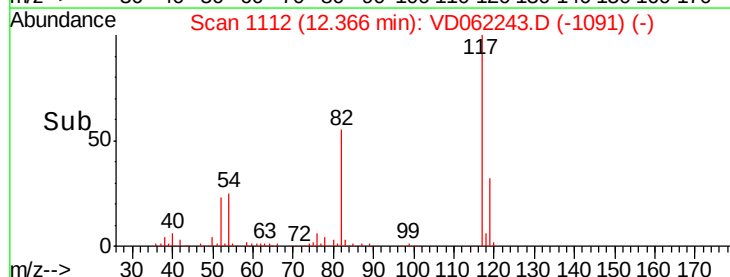
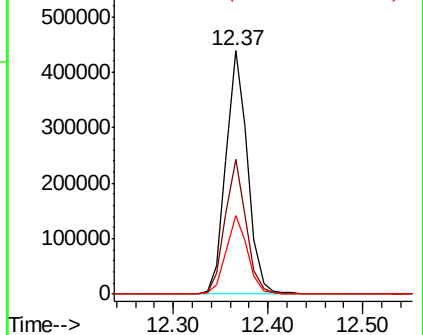
119 32.2 26.2 39.4

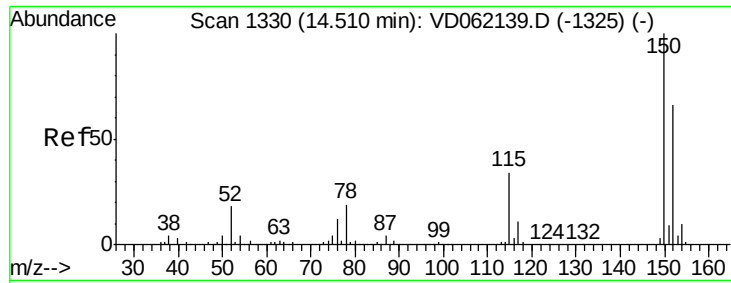


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1331

Delta R.T. 0.01 min

Lab File: VD062243.D

Acq: 11 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-1218-01

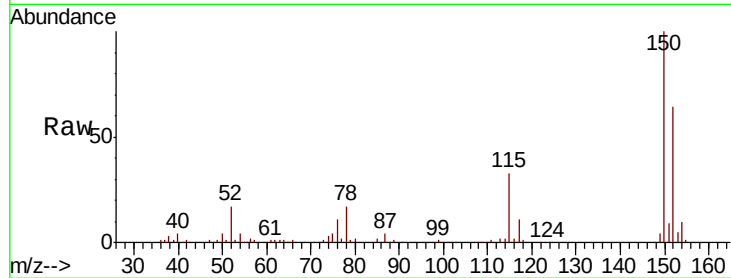
Tot Ion:152 Resp: 261338

Ion Ratio Lower Upper

152 100

115 51.6 30.9 92.7

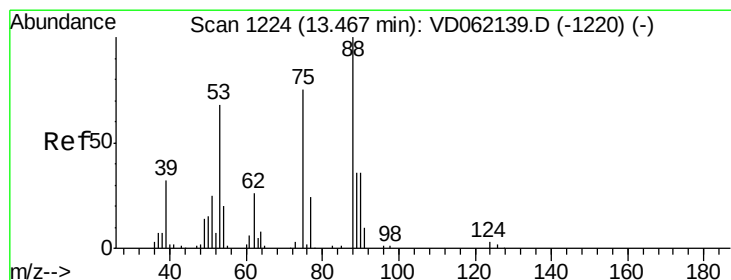
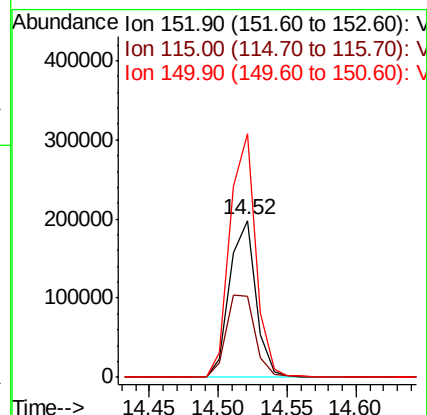
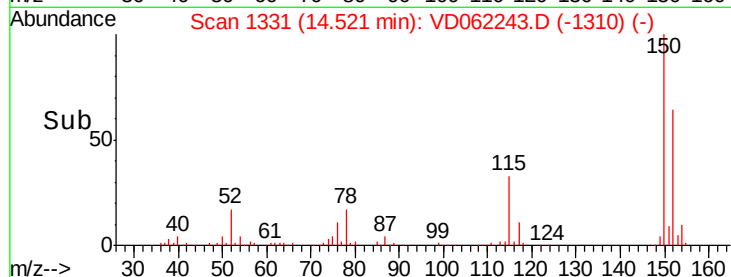
150 155.4 0.0 314.8



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: 144.762 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062243.D

Acq: 11 May 2019 17:54

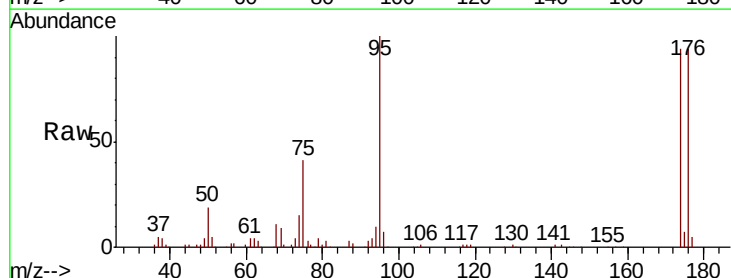
Tgt Ion: 75 Resp: 126925

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): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

