

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051019\
 Data File : VD062217.D
 Acq On : 10 May 2019 15:59
 Operator : FY/SY
 Sample : K2717-12RE
 Misc : 5.68g/5mL/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-02RE

Quant Time: May 10 23:32:32 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

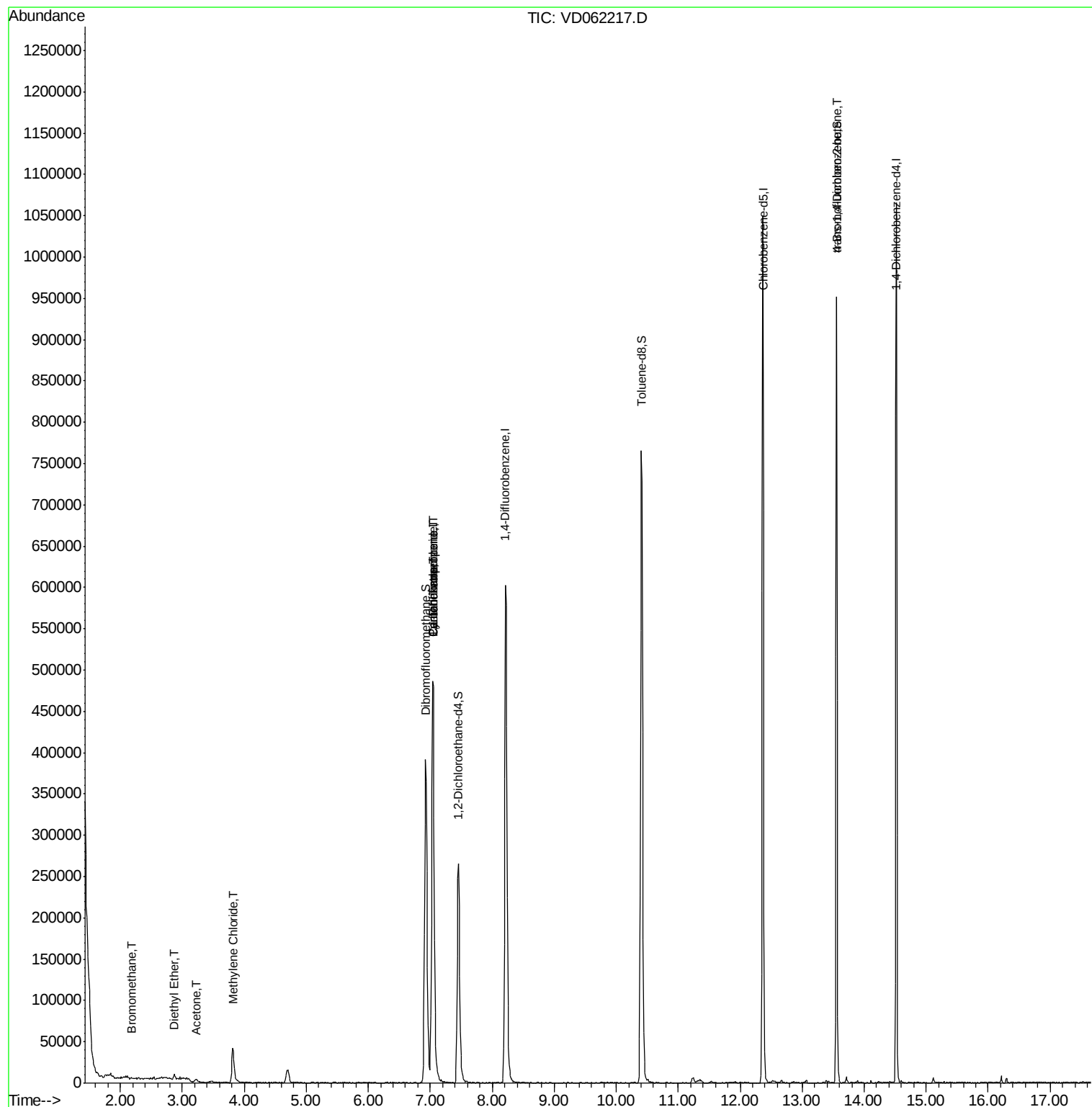
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	464267	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	682712	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	539207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	241160	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	302734	70.17	ug/l	0.03
Spiked Amount 50.000			Recovery	=	140.34%	
35) Dibromofluoromethane	6.92	113	354218	62.53	ug/l	0.03
Spiked Amount 50.000			Recovery	=	125.06%	
50) Toluene-d8	10.41	98	680080	49.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	13.56	95	247458	45.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.24%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.19	94	1582	2.141	ug/l #	12
8) Diethyl Ether	2.87	74	1553	1.314	ug/l #	38
16) Acetone	3.22	43	7894	8.725	ug/l #	73
20) Methylene Chloride	3.81	84	28575	7.564	ug/l #	92
31) Cyclohexane	7.04	56	8897	1.965	ug/l #	14
36) 1,1-Dichloropropene	7.04	75	36062	6.442	ug/l #	47
38) Carbon Tetrachloride	7.04	117	46916	6.056	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.56	75	107951	133.423	ug/l #	16

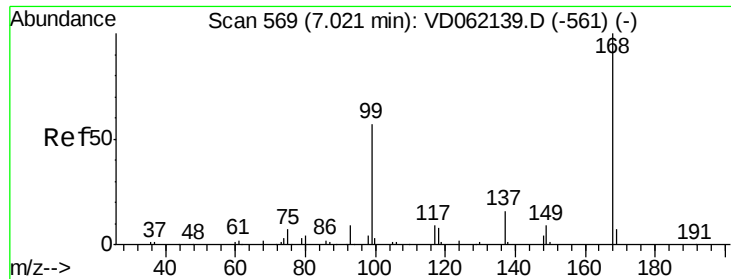
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 07 14:26:29 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062217.D

Acq: 10 May 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

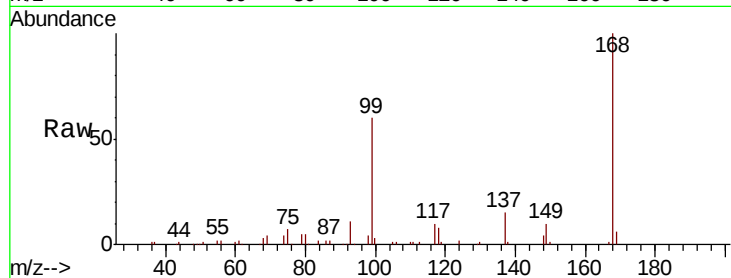
P026-SS002-1218-02RE

Tot Ion:168 Resp: 464267

Ion Ratio Lower Upper

168 100

99 59.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

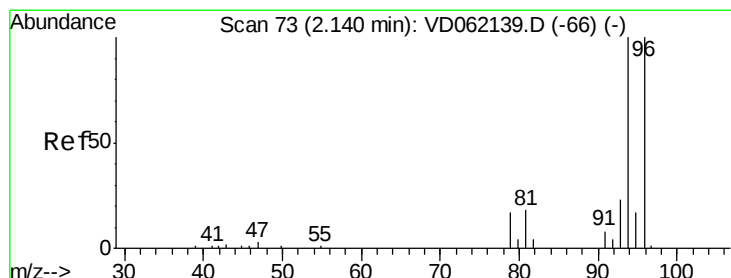
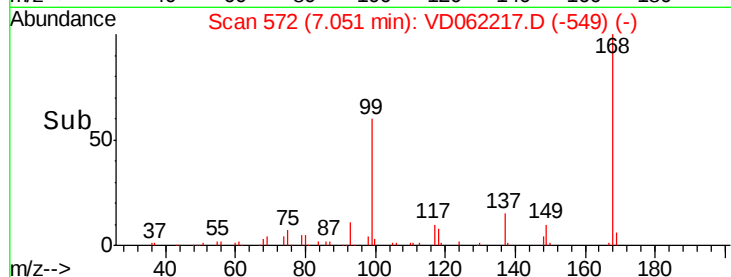
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 2.141 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.05 min

Lab File: VD062217.D

Acq: 10 May 2019 15:59

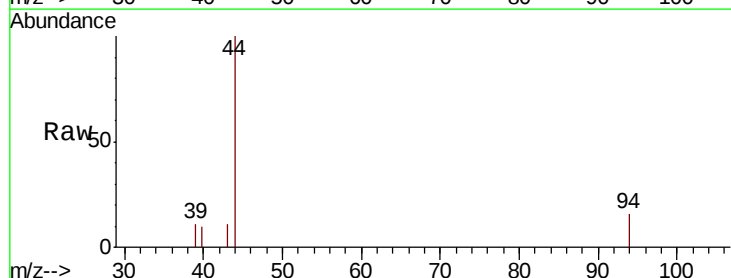
Tgt Ion: 94 Resp: 1582

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

800

600

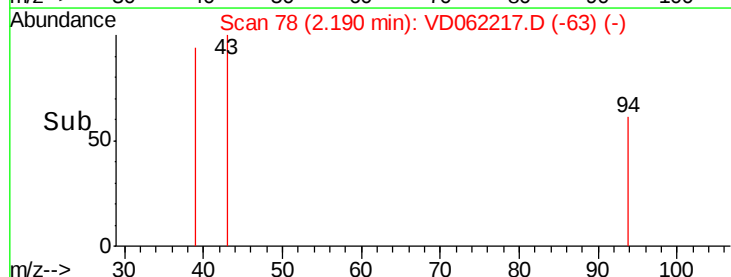
400

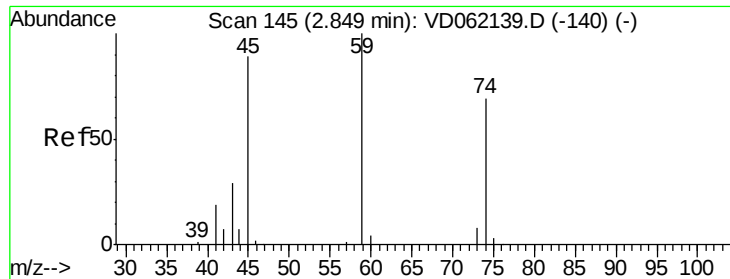
200

0

Time-->

2.15 2.20





#8

Diethyl Ether

Concen: 1.314 ug/l

RT: 2.87 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD062217.D

Acq: 10 May 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

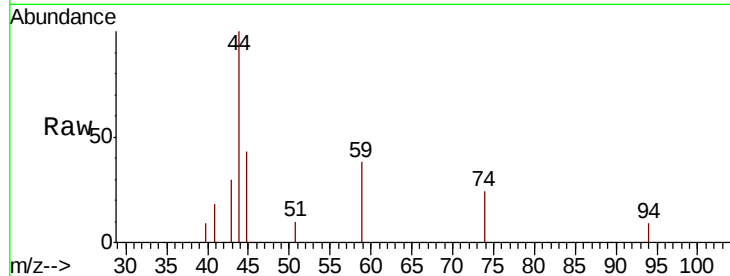
P026-SS002-1218-02RE

Tot Ion: 74 Resp: 1553

Ion Ratio Lower Upper

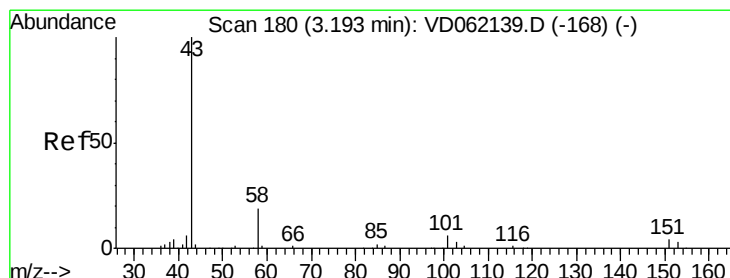
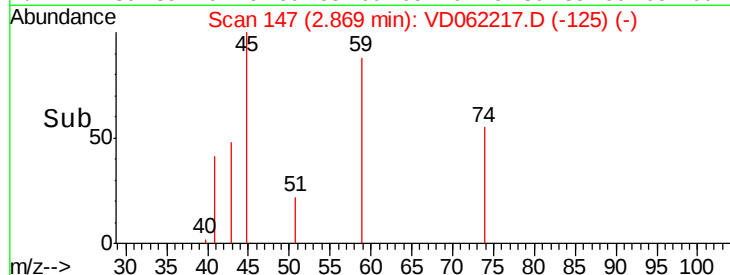
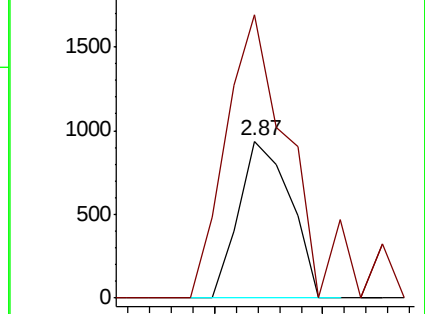
74 100

45 180.4 56.9 170.7#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#16

Acetone

Concen: 8.725 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062217.D

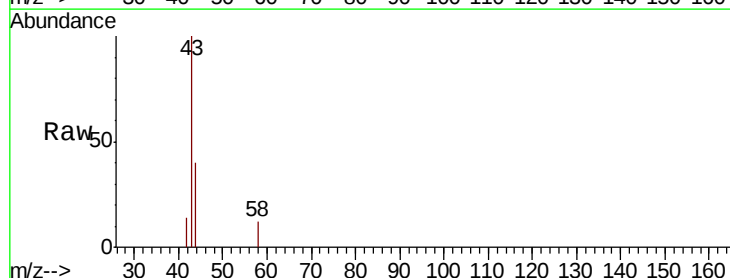
Acq: 10 May 2019 15:59

Tgt Ion: 43 Resp: 7894

Ion Ratio Lower Upper

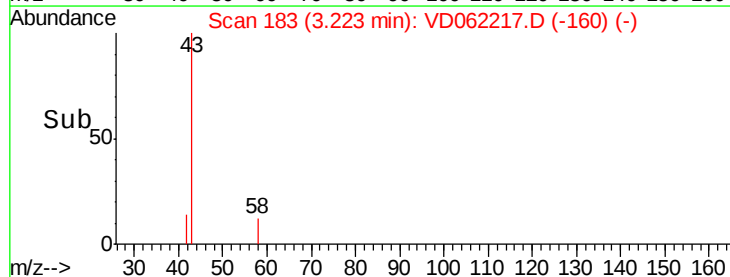
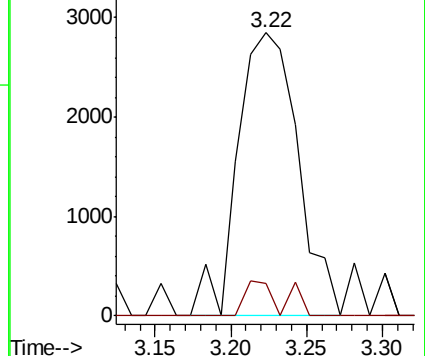
43 100

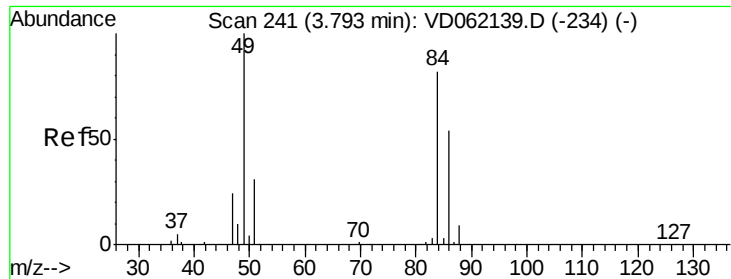
58 11.6 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

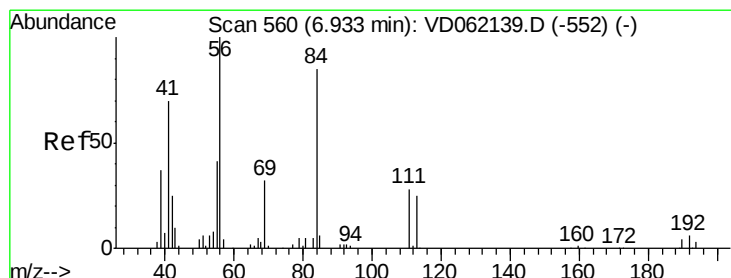
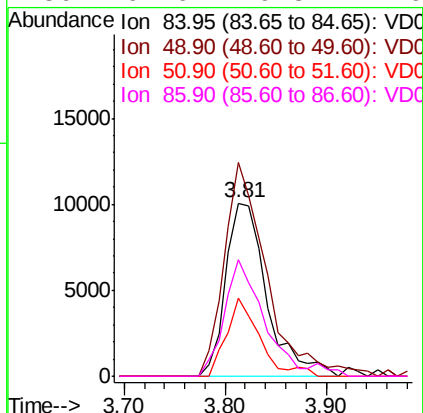
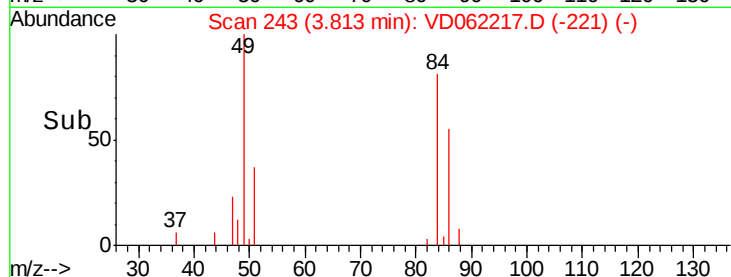
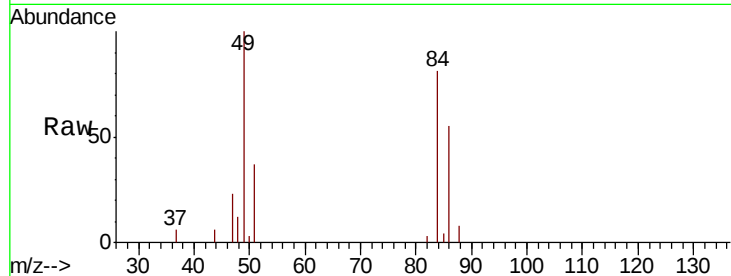




#20
Methylene Chloride
Concen: 7.564 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062217.D
Acq: 10 May 2019 15:59

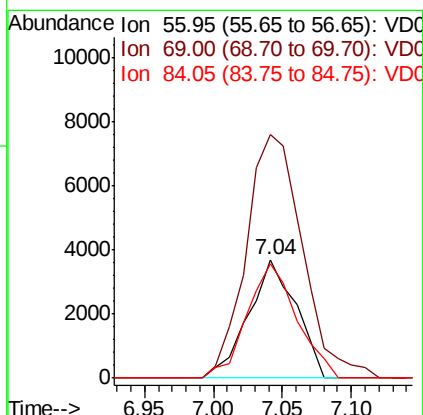
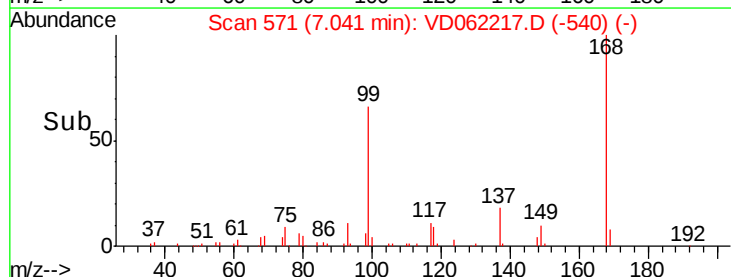
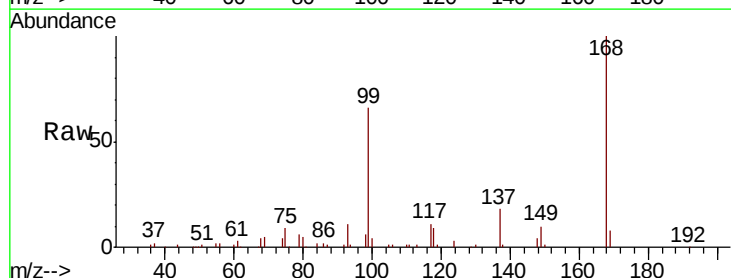
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-02RE

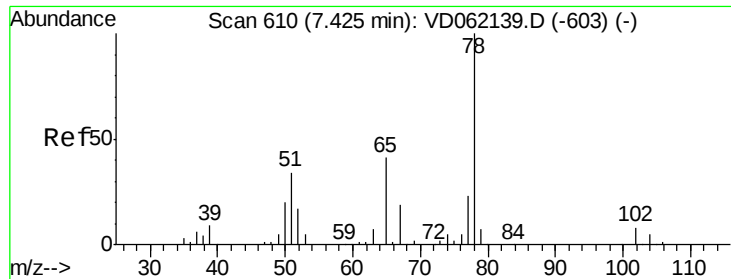
Tot Ion: 84 Resp: 28575
Ion Ratio Lower Upper
84 100
49 123.6 94.0 141.0
51 45.3 29.0 43.4#
86 67.6 49.8 74.6



#31
Cyclohexane
Concen: 1.965 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD062217.D
Acq: 10 May 2019 15:59

Tgt Ion: 56 Resp: 8897
Ion Ratio Lower Upper
56 100
69 205.6 25.8 38.6#
84 96.3 72.2 108.4





#33

1,2-Dichloroethane-d4

Concen: 70.167 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062217.D

Acq: 10 May 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

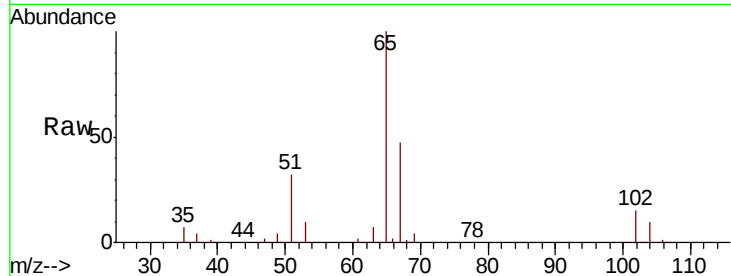
P026-SS002-1218-02RE

Tot Ion: 65 Resp: 302734

Ion Ratio Lower Upper

65 100

67 47.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

100000

80000

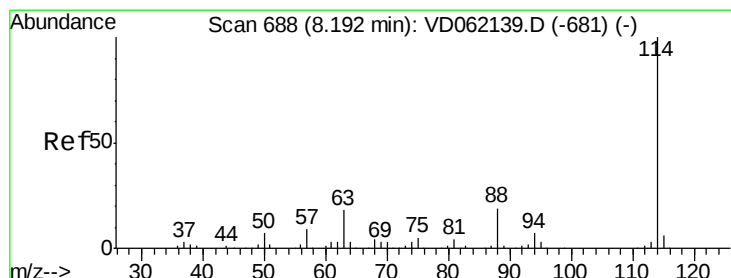
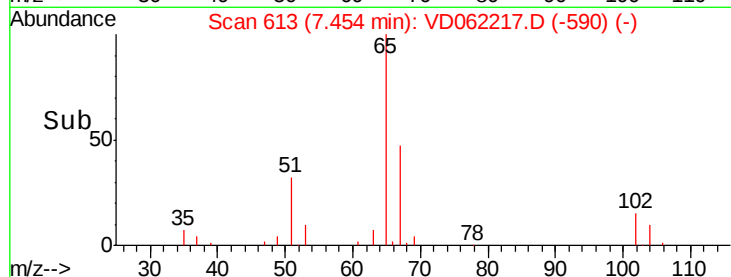
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062217.D

Acq: 10 May 2019 15:59

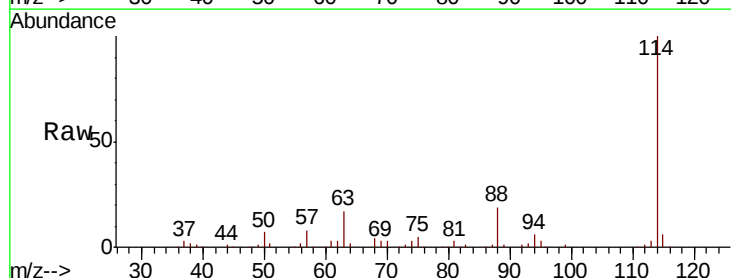
Tgt Ion: 114 Resp: 682712

Ion Ratio Lower Upper

114 100

63 17.4 0.0 32.4

88 19.1 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

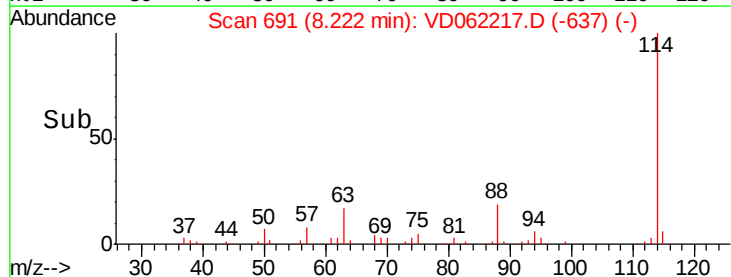
300000

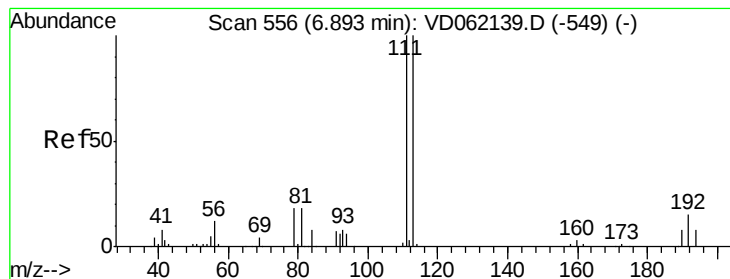
200000

100000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 62.533 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062217.D

Acq: 10 May 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-02RE

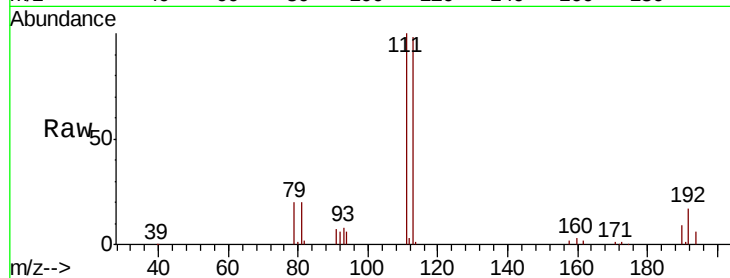
Tot Ion:113 Resp: 354218

Ion Ratio Lower Upper

113 100

111 102.5 78.5 117.7

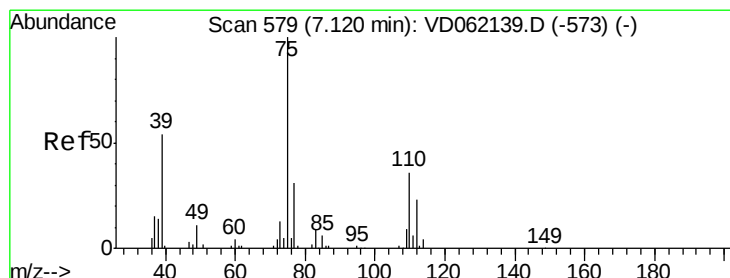
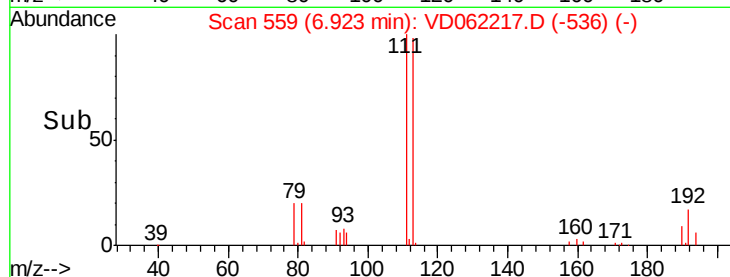
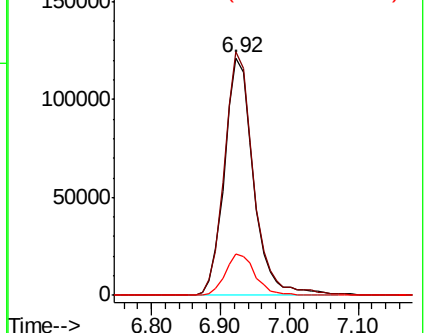
192 17.7 13.0 19.4



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



#36

1,1-Dichloropropene

Concen: 6.442 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062217.D

Acq: 10 May 2019 15:59

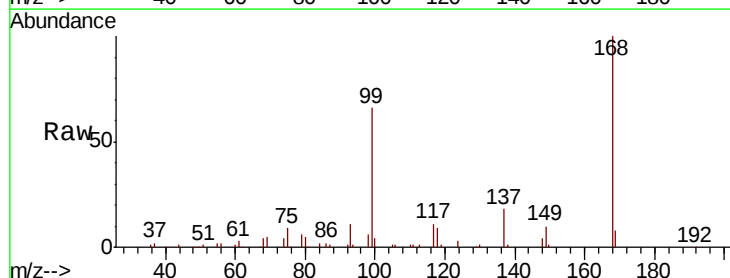
Tgt Ion: 75 Resp: 36062

Ion Ratio Lower Upper

75 100

110 8.6 19.1 57.1#

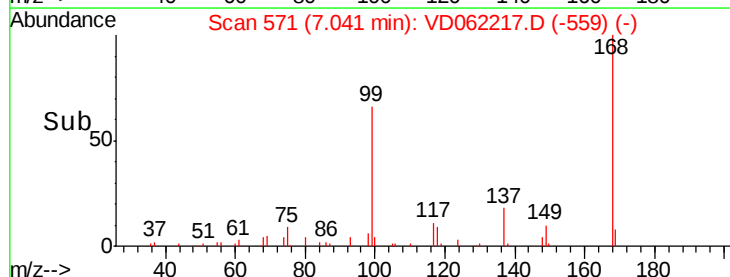
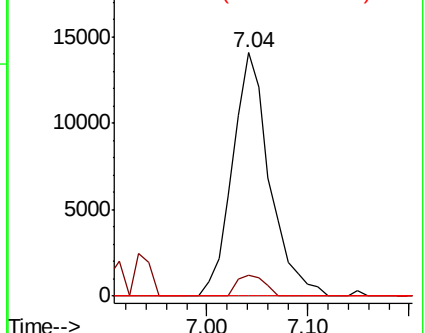
77 0.0 25.6 38.4#

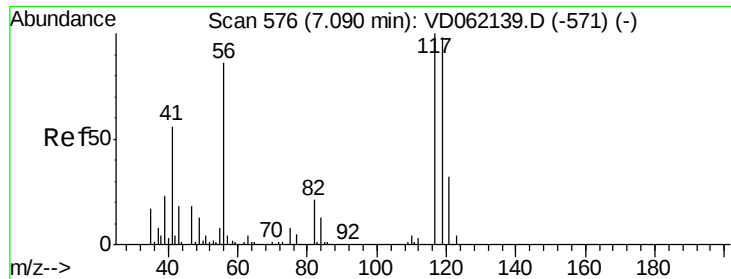


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

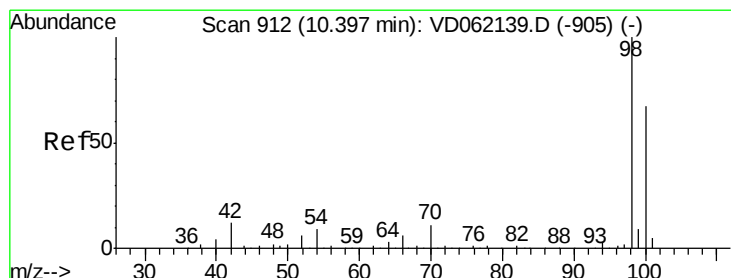
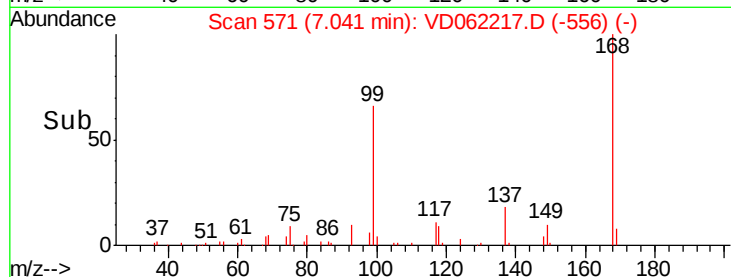
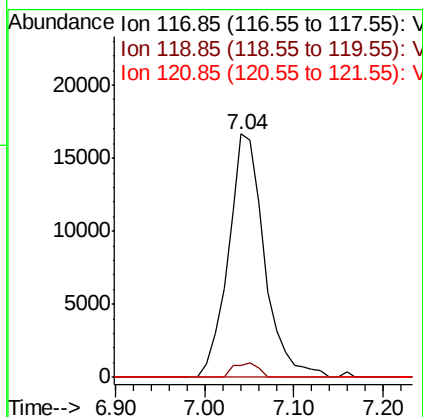
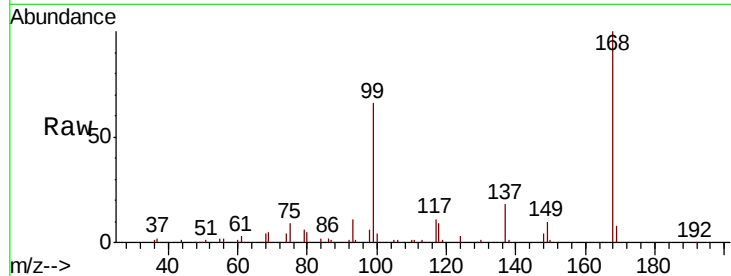




#38
Carbon Tetrachloride
Concen: 6.056 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.05 min
Lab File: VD062217.D
Acq: 10 May 2019 15:59

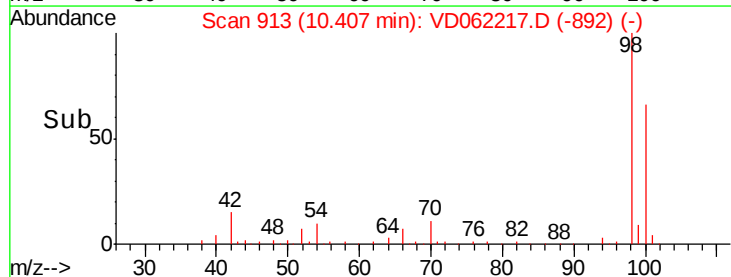
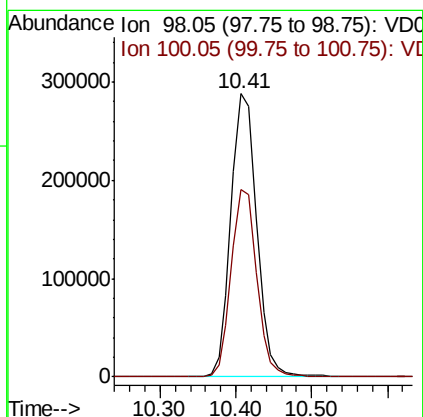
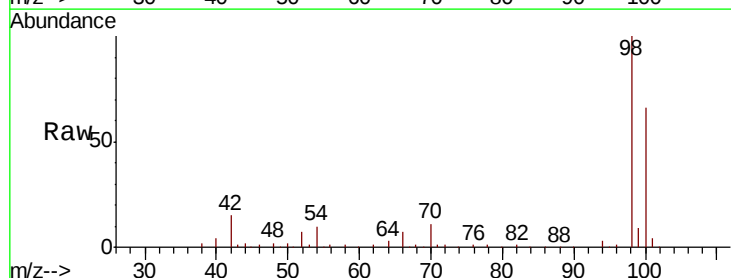
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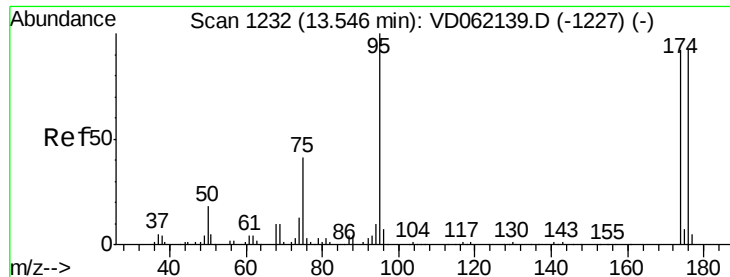
Tot Ion:117 Resp: 46916
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 49.795 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062217.D
Acq: 10 May 2019 15:59

Tgt Ion: 98 Resp: 680080
Ion Ratio Lower Upper
98 100
100 66.3 53.8 80.8

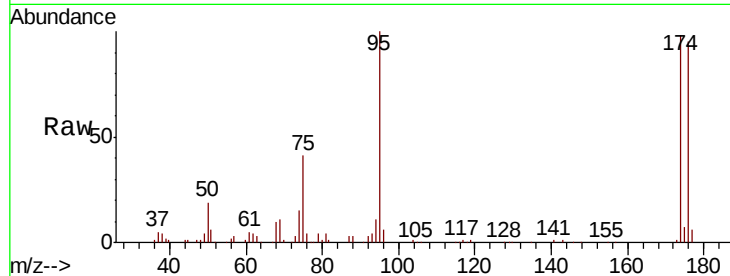




#62
4-Bromofluorobenzene
Concen: 45.120 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062217.D
Acq: 10 May 2019 15:59

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-02RE

Tot Ion	95	Resp	247458
Ion Ratio	100		
Lower		0.0	181.8
Upper		0.0	174.4

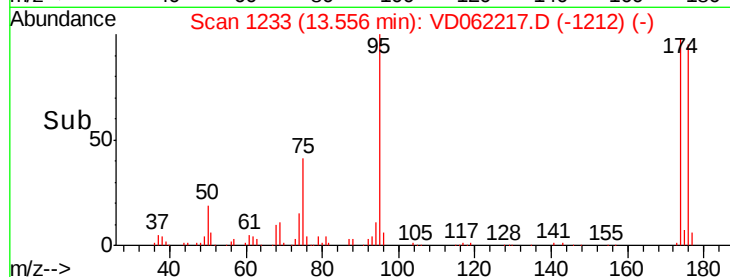


Abundance Ion 95.00 (94.70 to 95.70): V

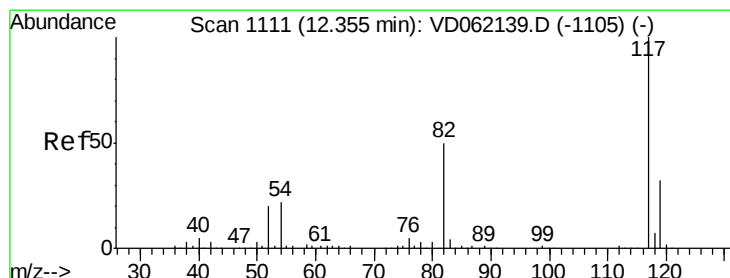
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

Time-->

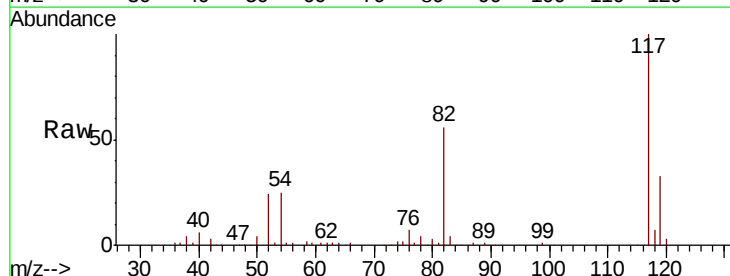


Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062217.D
Acq: 10 May 2019 15:59

Tgt Ion	117	Resp	539207
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower		36.2	54.2#
Upper		26.2	39.4

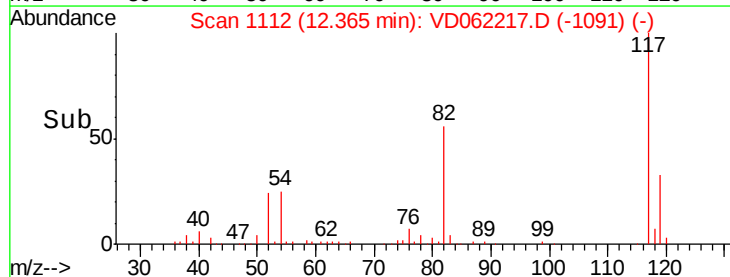


Abundance Ion 116.95 (116.65 to 117.65): V

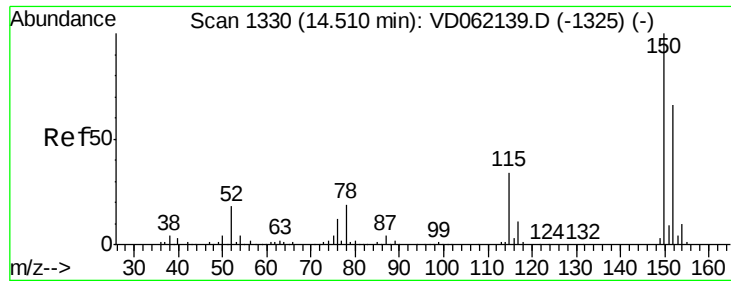
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062217.D

Acq: 10 May 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-02RE

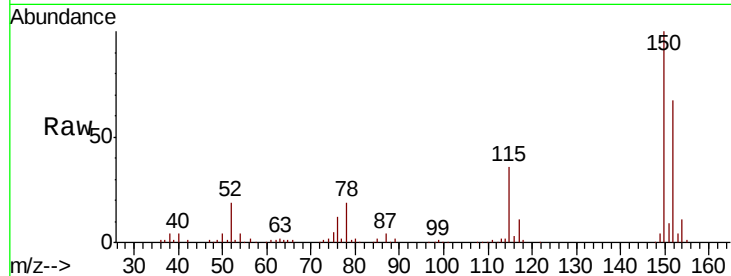
Tot Ion:152 Resp: 241160

Ion Ratio Lower Upper

152 100

115 53.5 30.9 92.7

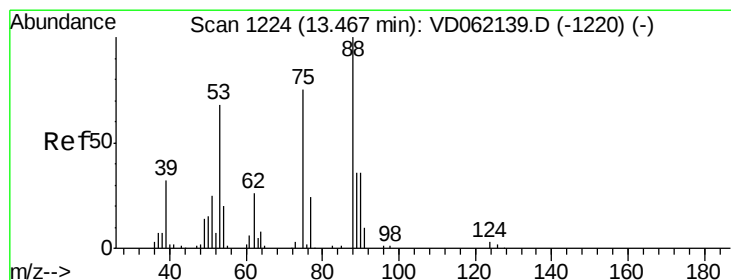
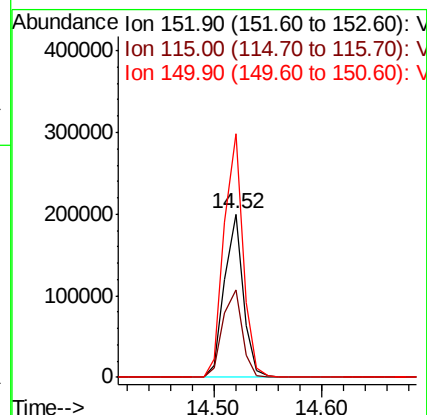
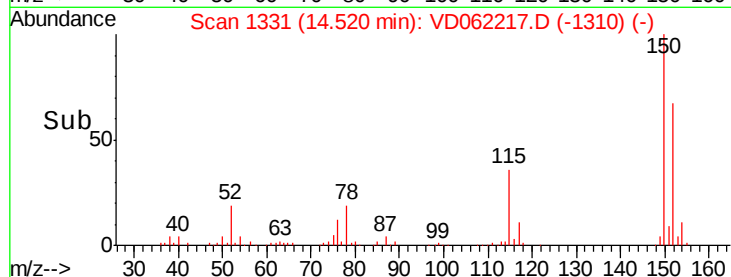
150 149.3 0.0 314.8



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: 133.423 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062217.D

Acq: 10 May 2019 15:59

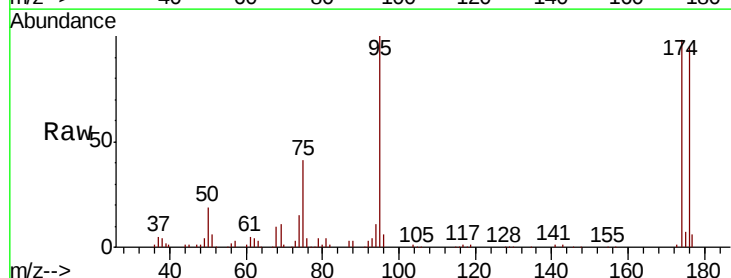
Tgt Ion: 75 Resp: 107951

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

