

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062311.D
 Acq On : 13 May 2019 18:11
 Operator : FY/SY
 Sample : K2733-08RE
 Misc : 7.01g/5mL/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-1824-01RE

Quant Time: May 14 05:11:39 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

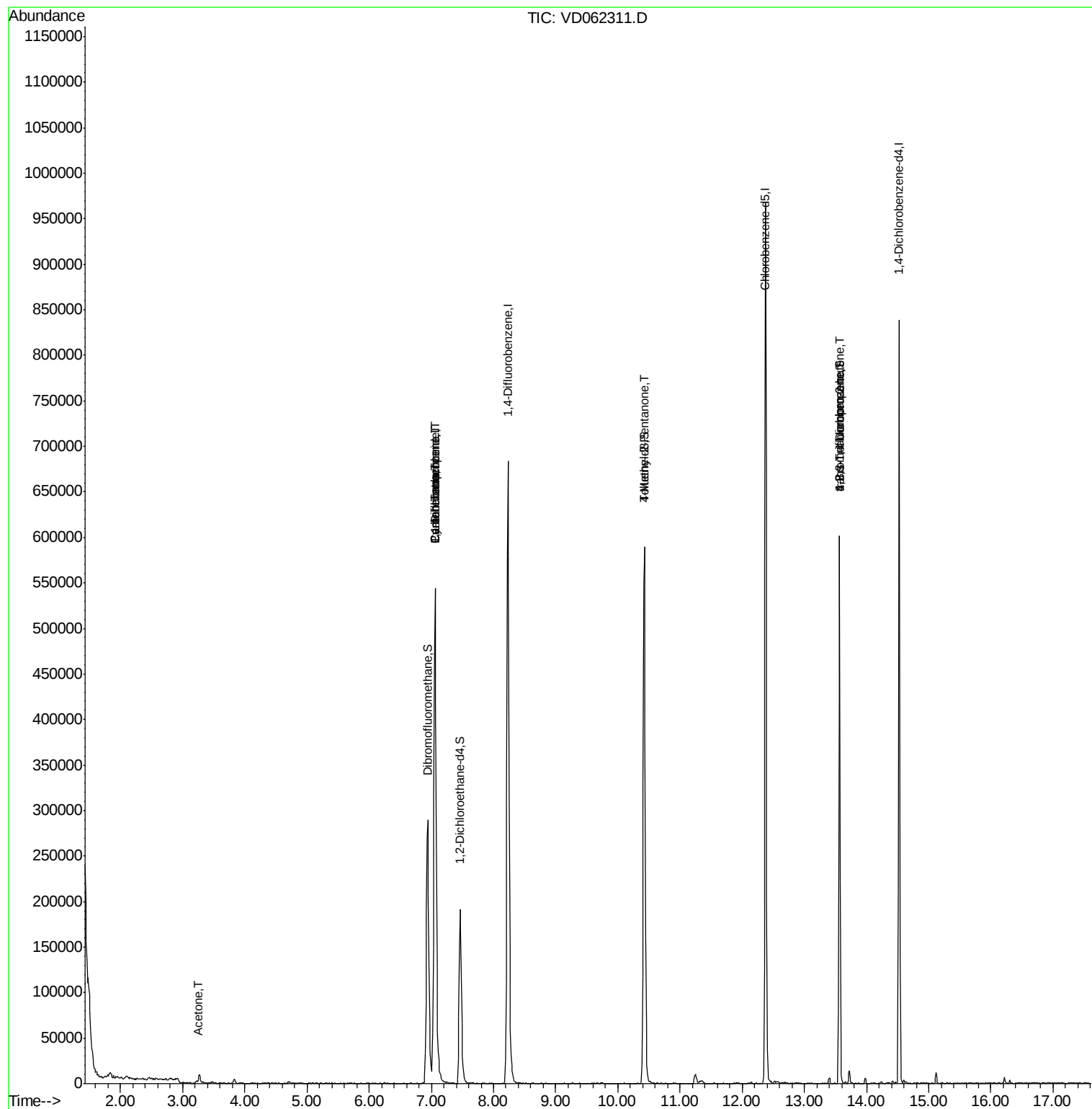
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	492644	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	700971	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	495390	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	195857	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	226064	49.38	ug/l	0.04
Spiked Amount	50.000		Recovery	=	98.76%	
35) Dibromofluoromethane	6.94	113	246378	42.36	ug/l	0.05
Spiked Amount	50.000		Recovery	=	84.72%	
50) Toluene-d8	10.43	98	490570	34.98	ug/l	0.03
Spiked Amount	50.000		Recovery	=	69.96%	
62) 4-Bromofluorobenzene	13.56	95	163514	29.04	ug/l	0.02
Spiked Amount	50.000		Recovery	=	58.08%	
Target Compounds						
					Qvalue	
16) Acetone	3.24	43	4630	4.822	ug/l #	50
18) Methyl Acetate	3.63	43	231	Below Cal	#	53
31) Cyclohexane	7.05	56	10365	2.158	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	40052	6.969	ug/l #	45
38) Carbon Tetrachloride	7.06	117	52168	6.558	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	2805	1.262	ug/l #	21
76) 1,2,3-Trichloropropane	13.56	75	68149	29.279	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	74702	113.685	ug/l #	16

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

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MSVOA_D

ClientSampleId :

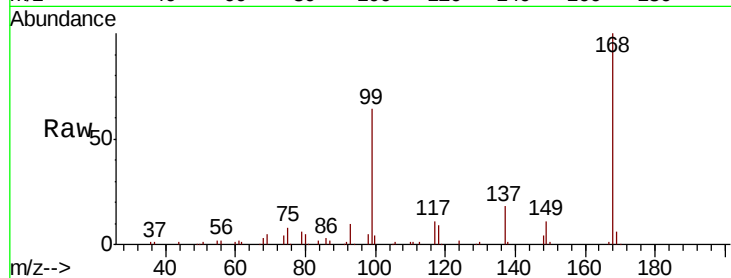
P021-SS001-1824-01RE

Tot Ion:168 Resp: 492644

Ion Ratio Lower Upper

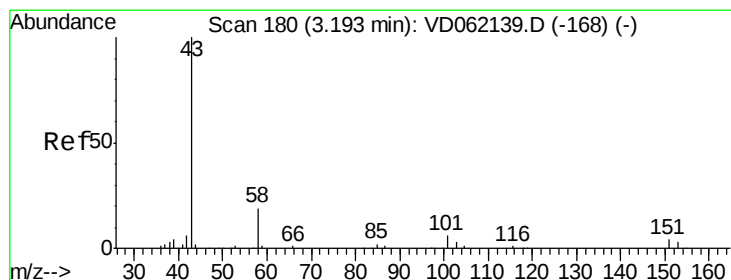
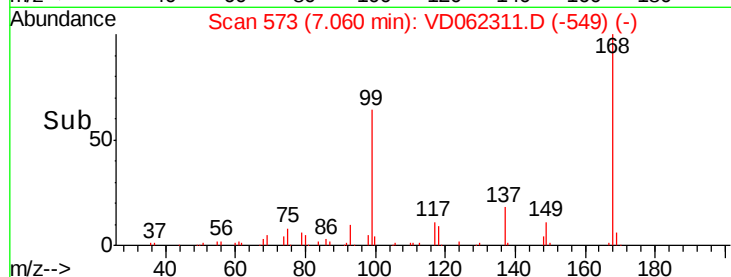
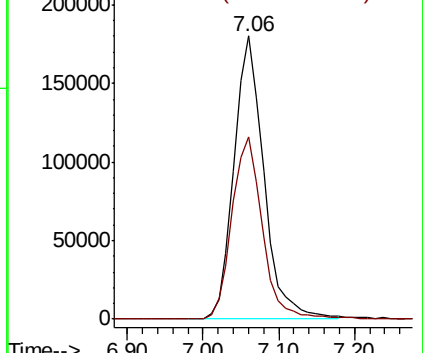
168 100

99 64.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 4.822 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.05 min

Lab File: VD062311.D

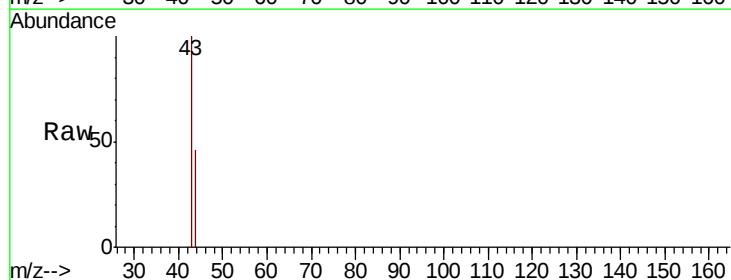
Acq: 13 May 2019 18:11

Tgt Ion: 43 Resp: 4630

Ion Ratio Lower Upper

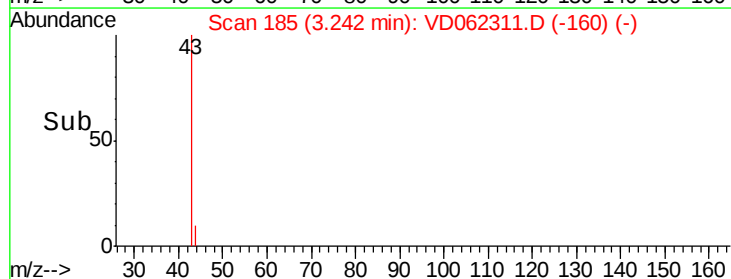
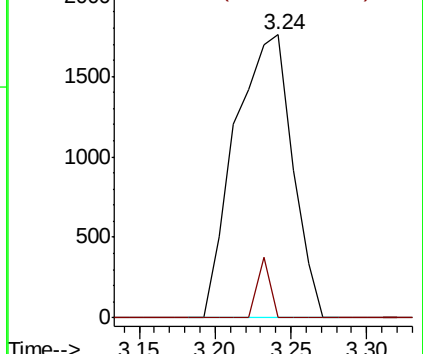
43 100

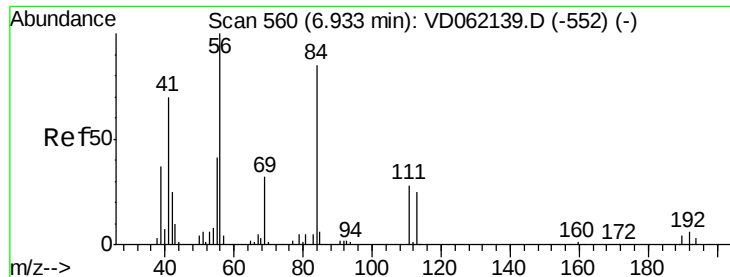
58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

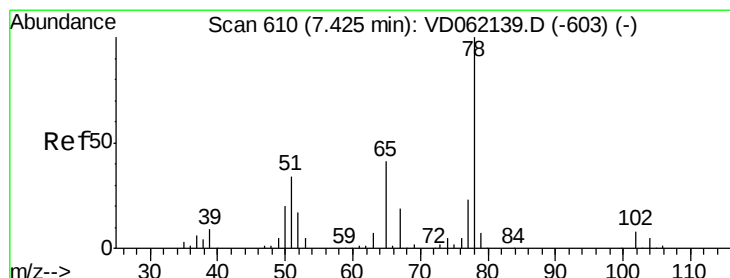
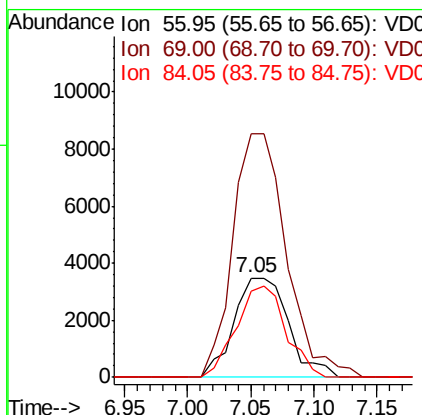
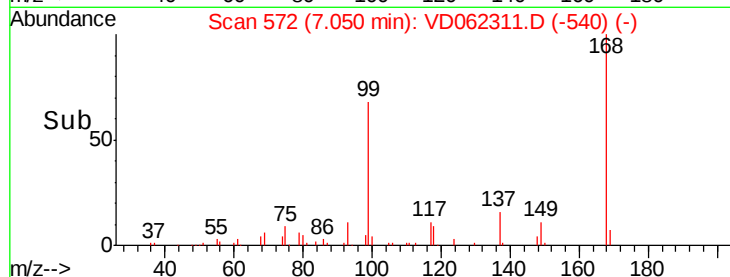
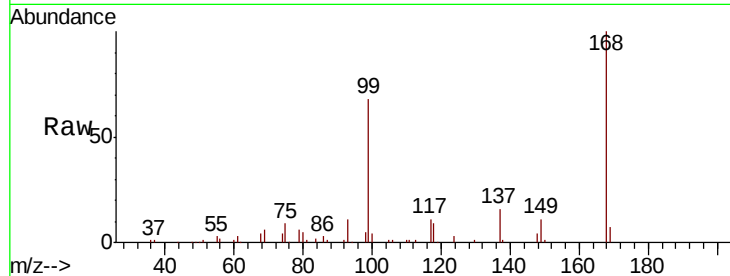




#31
Cyclohexane
Concen: 2.158 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD062311.D
Acq: 13 May 2019 18:11

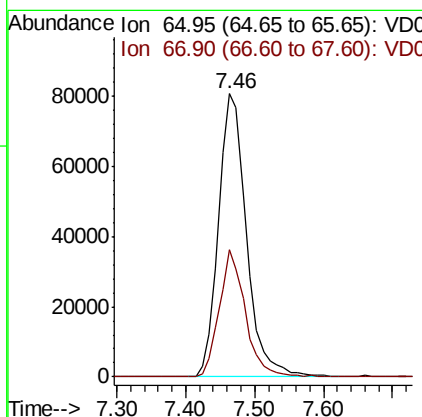
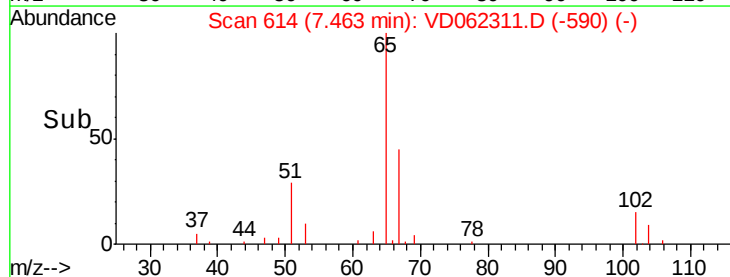
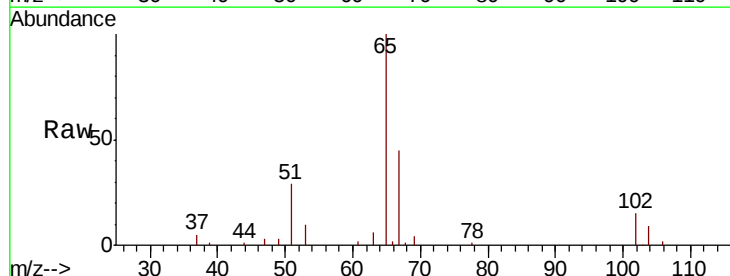
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-1824-01RE

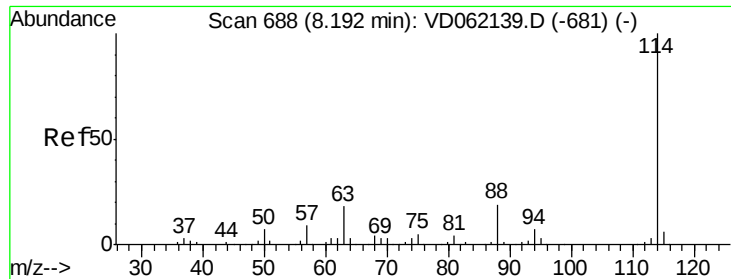
Tot Ion: 56 Resp: 10365
Ion Ratio Lower Upper
56 100
69 244.5 25.8 38.6#
84 86.3 72.2 108.4



#33
1,2-Dichloroethane-d4
Concen: 49.378 ug/l
RT: 7.46 min Scan# 614
Delta R.T. 0.04 min
Lab File: VD062311.D
Acq: 13 May 2019 18:11

Tgt Ion: 65 Resp: 226064
Ion Ratio Lower Upper
65 100
67 45.0 0.0 98.0

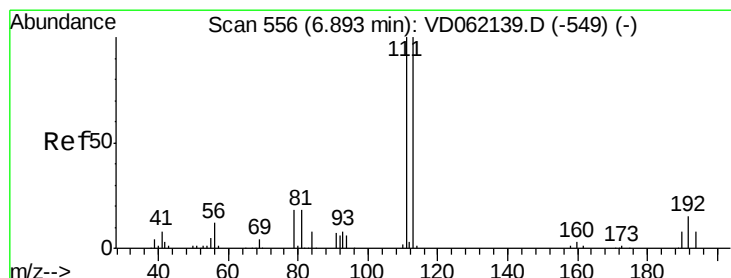
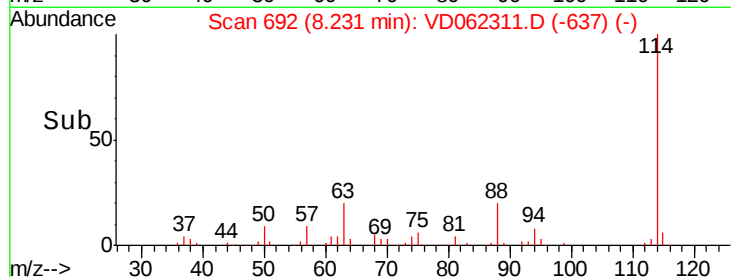
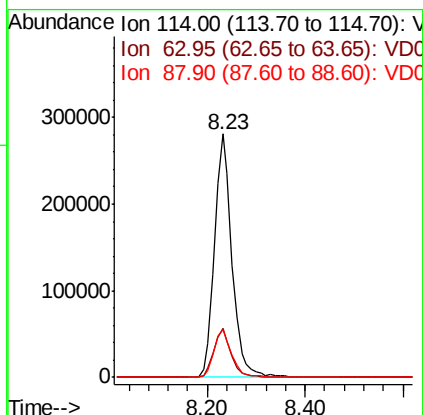
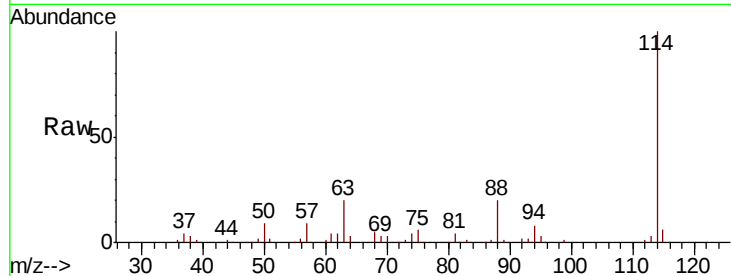




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062311.D
 Acq: 13 May 2019 18:11

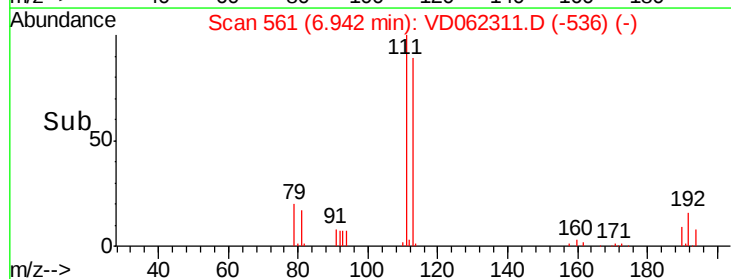
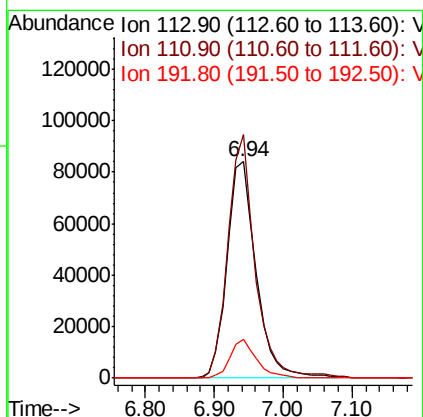
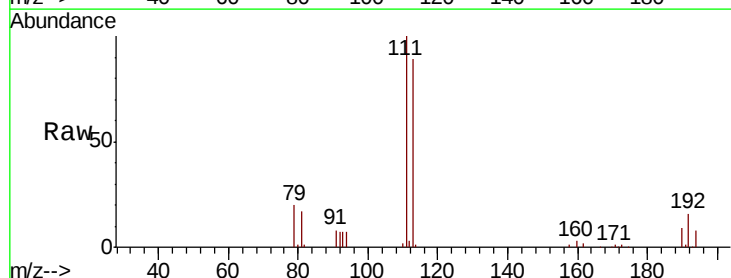
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-1824-01RE

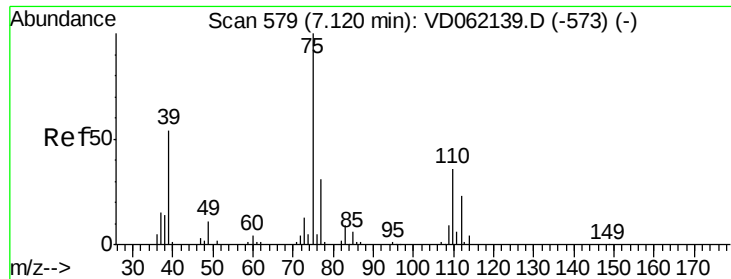
Tot Ion:114 Resp: 700971
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 32.4
 88 19.7 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 42.362 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062311.D
 Acq: 13 May 2019 18:11

Tgt Ion:113 Resp: 246378
 Ion Ratio Lower Upper
 113 100
 111 112.4 78.5 117.7
 192 17.7 13.0 19.4





#36

1,1-Dichloropropene

Concen: 6.969 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.07 min

Lab File: VD062311.D

Acq: 13 May 2019 18:11

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-1824-01RE

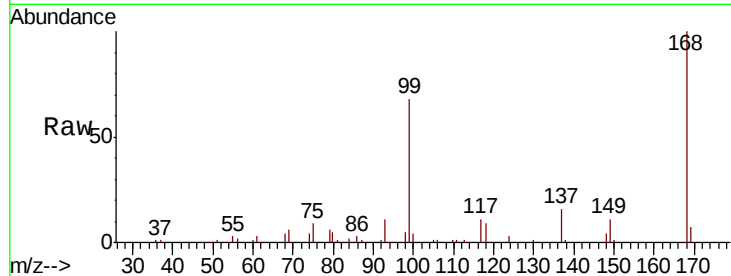
Tot Ion: 75 Resp: 40052

Ion Ratio Lower Upper

75 100

110 5.7 19.1 57.1#

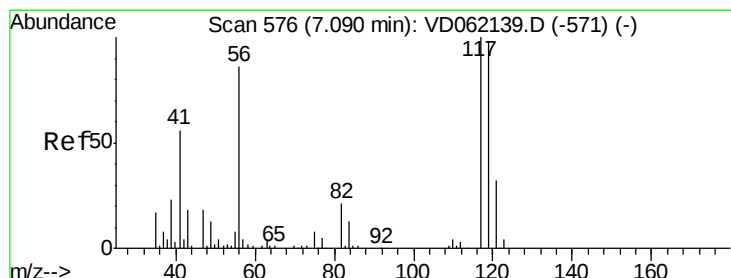
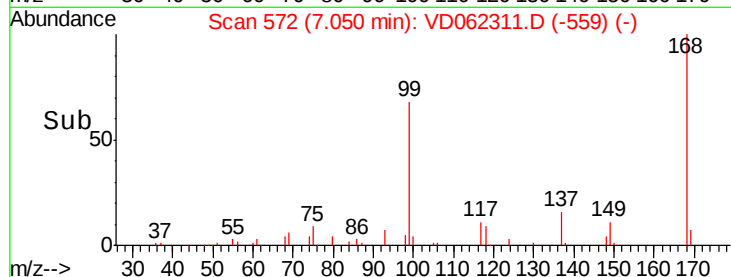
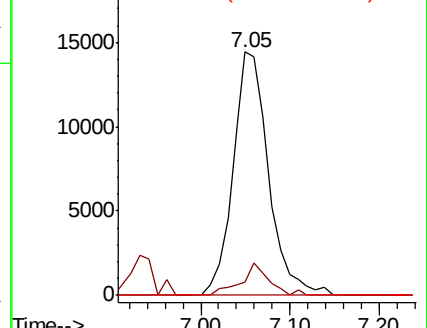
77 0.0 25.6 38.4#



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: 6.558 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD062311.D

Acq: 13 May 2019 18:11

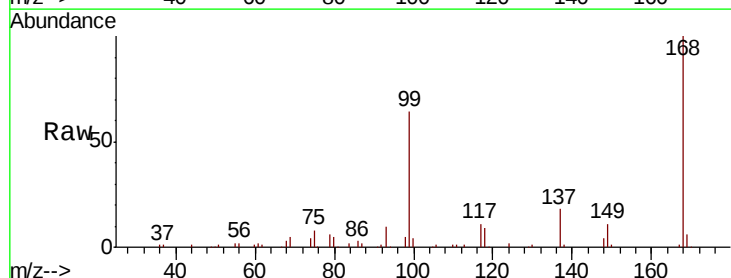
Tgt Ion: 117 Resp: 52168

Ion Ratio Lower Upper

117 100

119 2.7 75.8 113.8#

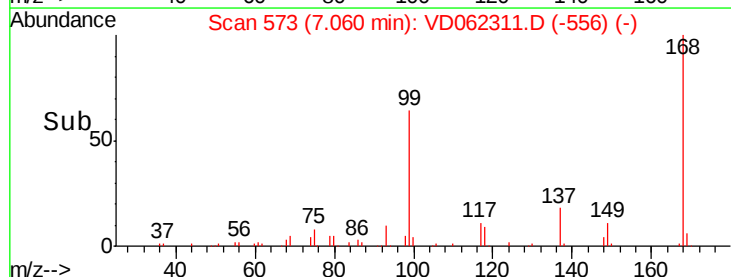
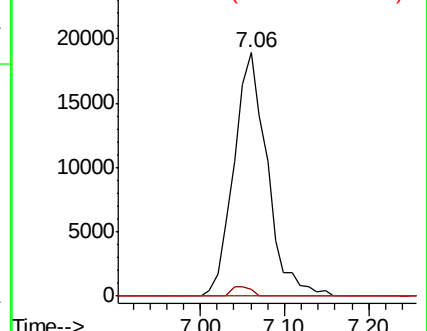
121 0.0 25.9 38.9#

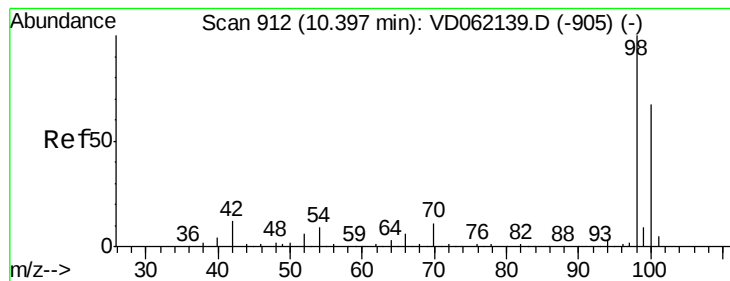


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 34.984 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062311.D

Acq: 13 May 2019 18:11

Instrument :

MSVOA_D

ClientSampleId :

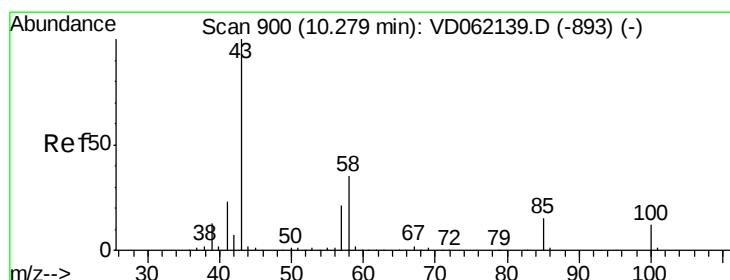
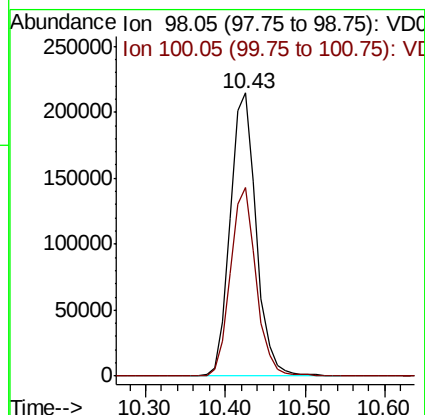
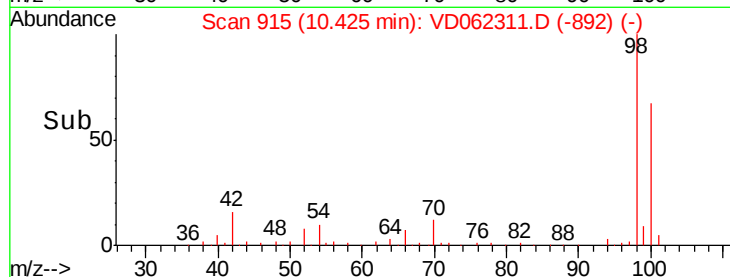
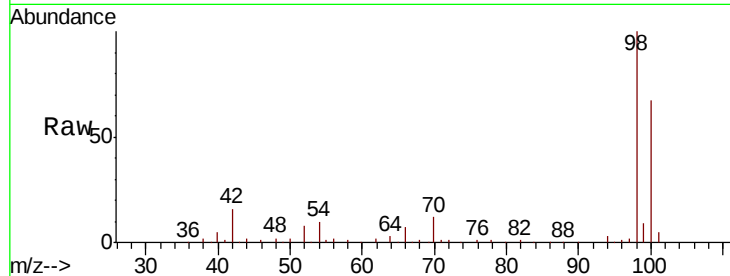
P021-SS001-1824-01RE

Tot Ion: 98 Resp: 490570

Ion Ratio Lower Upper

98 100

100 66.7 53.8 80.8



#51

4-Methyl-2-Pentanone

Concen: 1.262 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.14 min

Lab File: VD062311.D

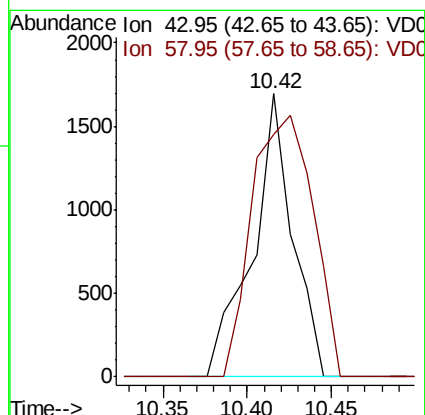
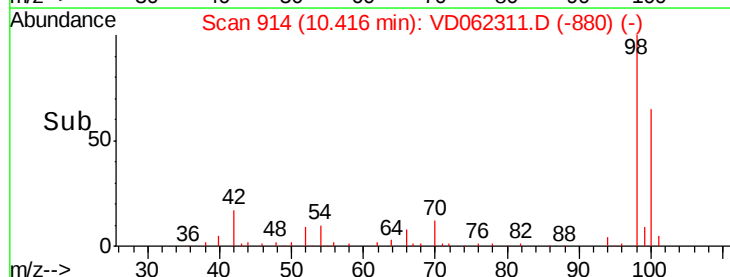
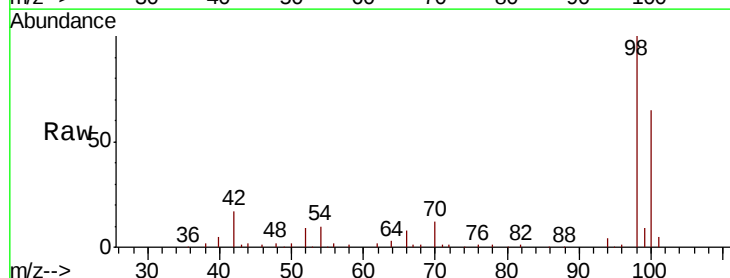
Acq: 13 May 2019 18:11

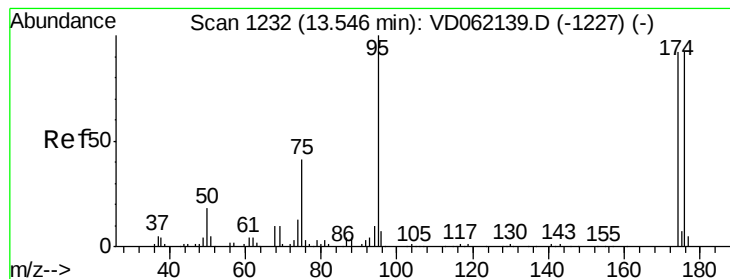
Tgt Ion: 43 Resp: 2805

Ion Ratio Lower Upper

43 100

58 85.8 30.4 45.6#





#62

4-Bromofluorobenzene

Concen: 29.038 ug/l

RT: 13.56 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062311.D

Acq: 13 May 2019 18:11

Instrument :

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ClientSampleId :

P021-SS001-1824-01RE

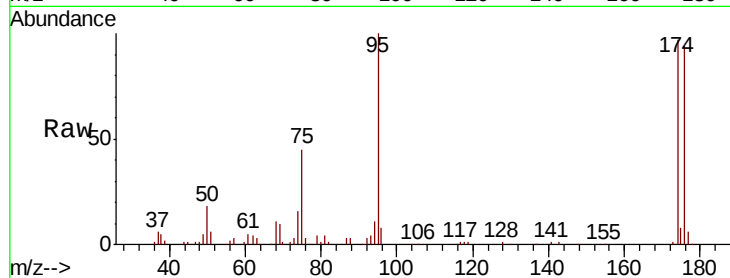
Tot Ion: 95 Resp: 163514

Ion Ratio Lower Upper

95 100

174 96.8 0.0 181.8

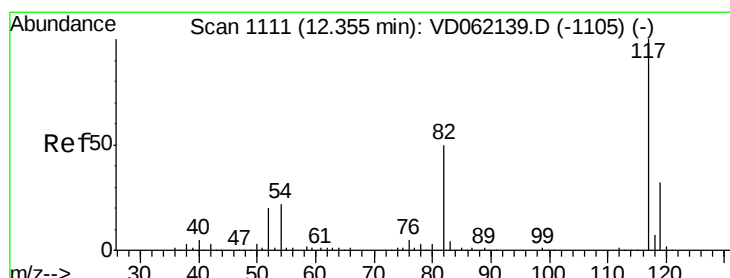
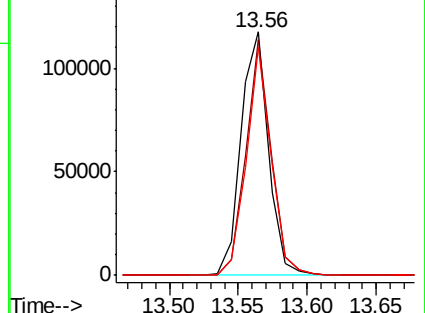
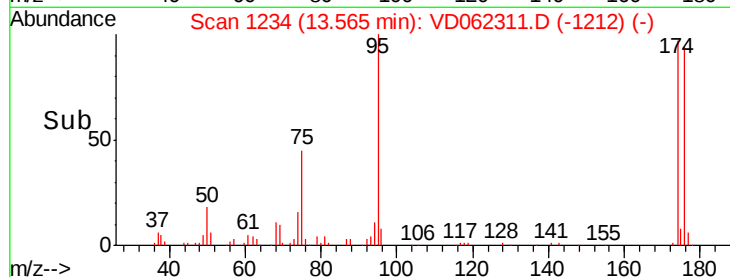
176 93.6 0.0 174.4



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# 1113

Delta R.T. 0.02 min

Lab File: VD062311.D

Acq: 13 May 2019 18:11

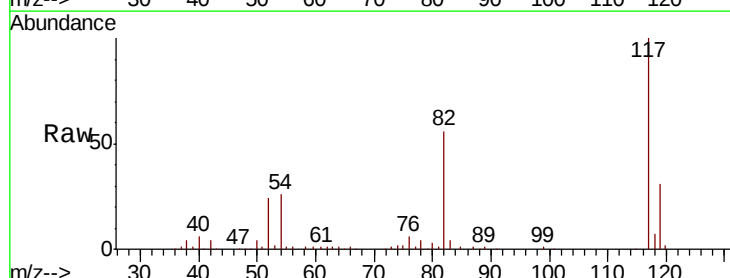
Tgt Ion: 117 Resp: 495390

Ion Ratio Lower Upper

117 100

82 55.6 36.2 54.2#

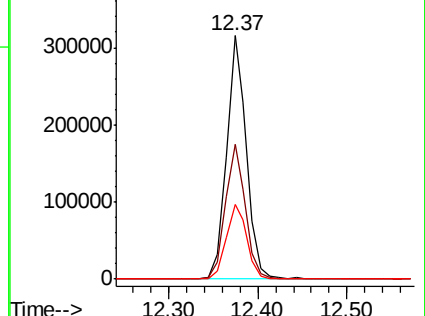
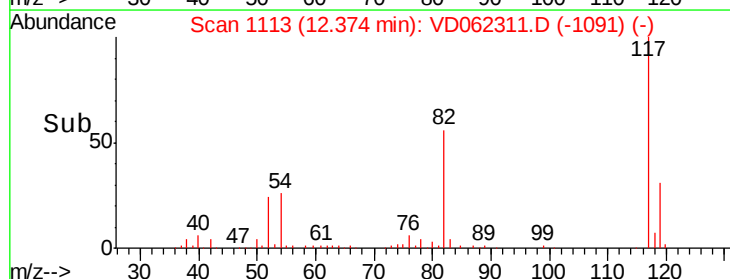
119 30.9 26.2 39.4

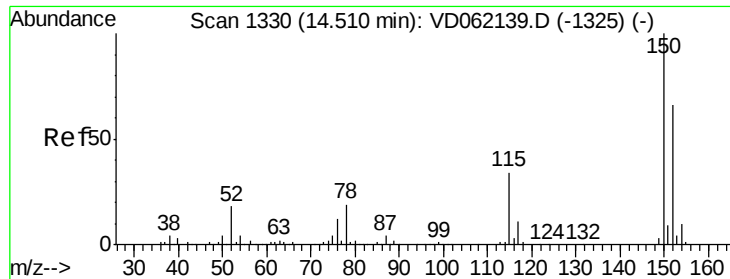


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD062311.D

Acq: 13 May 2019 18:11

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-1824-01RE

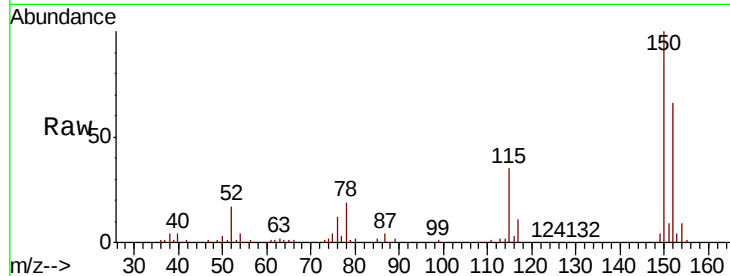
Tot Ion:152 Resp: 195857

Ion Ratio Lower Upper

152 100

115 52.2 30.9 92.7

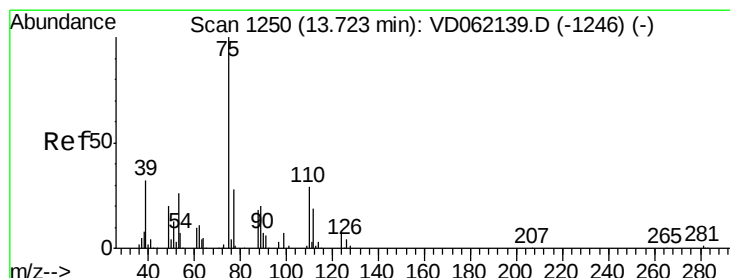
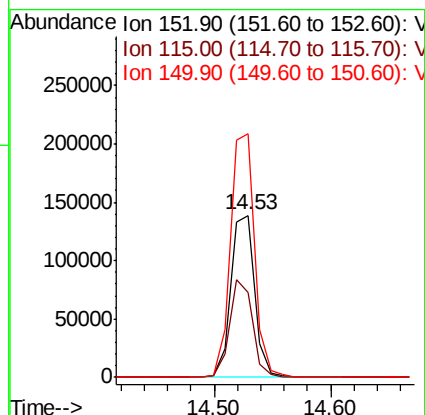
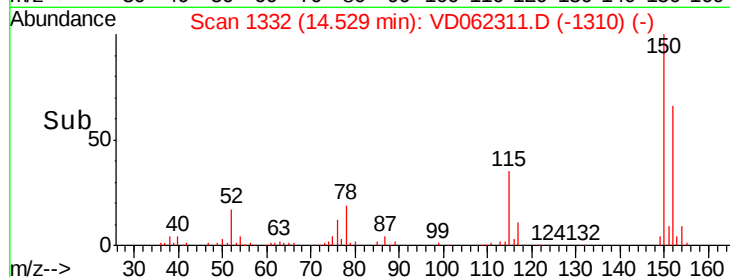
150 150.5 0.0 314.8



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



#76

1,2,3-Trichloropropane

Concen: 29.279 ug/l

RT: 13.56 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062311.D

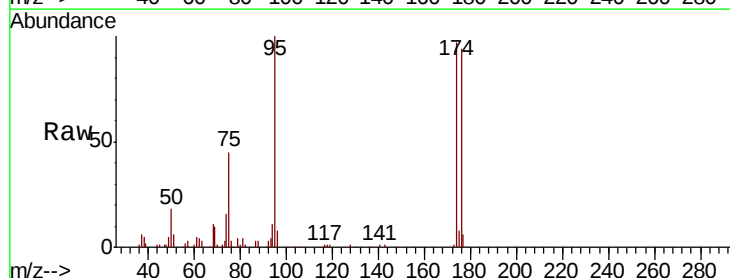
Acq: 13 May 2019 18:11

Tgt Ion: 75 Resp: 68149

Ion Ratio Lower Upper

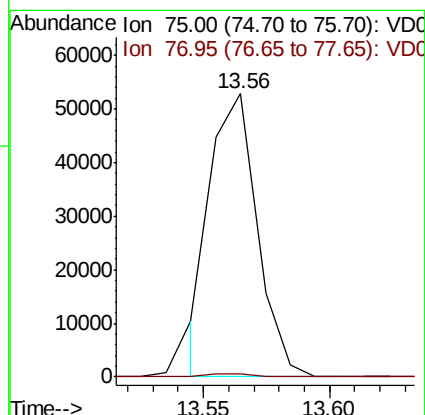
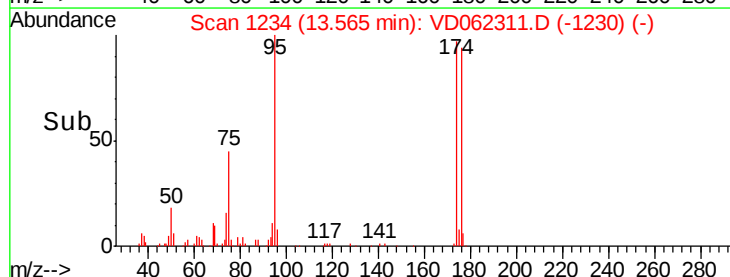
75 100

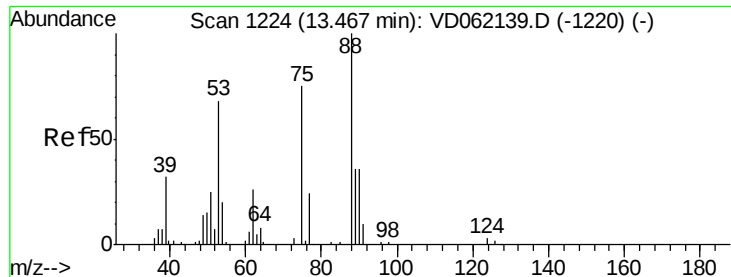
77 1.1 16.4 49.4#



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: 113.685 ug/l

RT: 13.56 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062311.D

Acq: 13 May 2019 18:11

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-1824-01RE

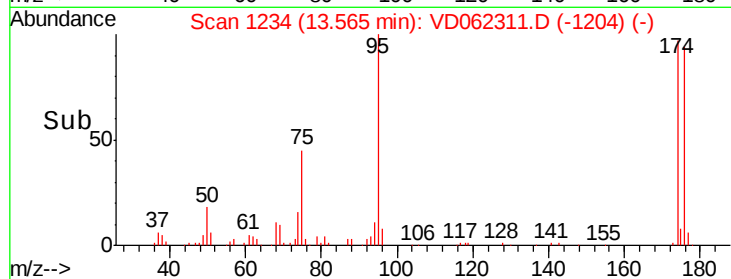
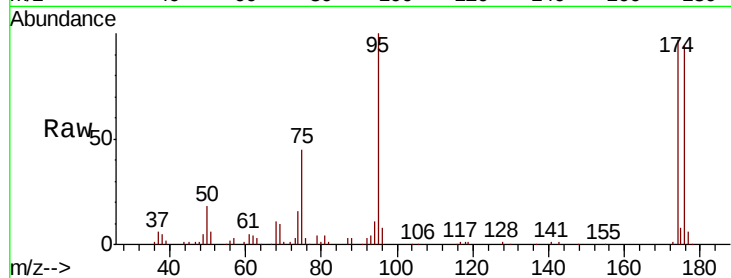
Tot Ion: 75 Resp: 74702

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

