

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062312.D
 Acq On : 13 May 2019 18:39
 Operator : FY/SY
 Sample : K2733-09
 Misc : 5.30g/5mL/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS002-0002-01

Quant Time: May 14 05:11:59 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

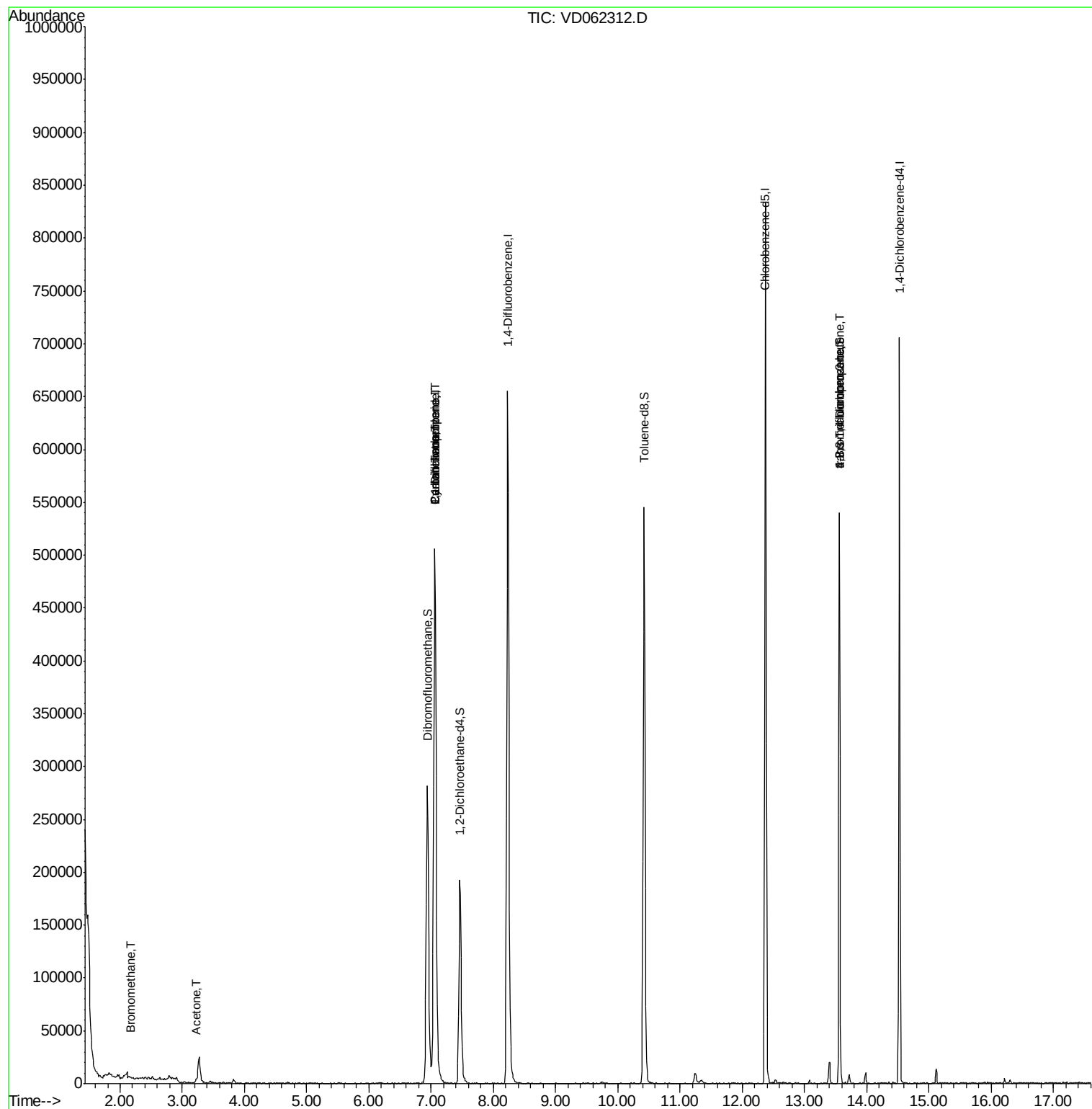
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	471472	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	661554	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	443845	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	145285	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	219331	50.06	ug/l	0.03
Spiked Amount 50.000			Recovery	=	100.12%	
35) Dibromofluoromethane	6.94	113	245944	44.81	ug/l	0.04
Spiked Amount 50.000			Recovery	=	89.62%	
50) Toluene-d8	10.42	98	427153	32.28	ug/l	0.03
Spiked Amount 50.000			Recovery	=	64.56%	
62) 4-Bromofluorobenzene	13.56	95	143174	26.94	ug/l	0.02
Spiked Amount 50.000			Recovery	=	53.88%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.18	94	1789	2.384	ug/l #	12
16) Acetone	3.22	43	7490	8.152	ug/l #	50
31) Cyclohexane	7.06	56	9813	2.135	ug/l #	11
36) 1,1-Dichloropropene	7.06	75	38300	7.061	ug/l #	47
38) Carbon Tetrachloride	7.06	117	50664	6.748	ug/l #	14
76) 1,2,3-Trichloropropane	13.56	75	64731	37.490	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	66538	136.509	ug/l #	16

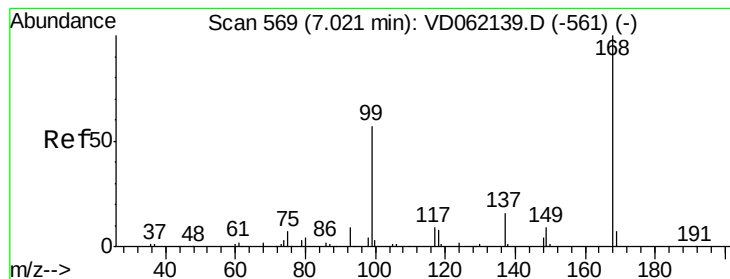
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD062312.D

Acq: 13 May 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

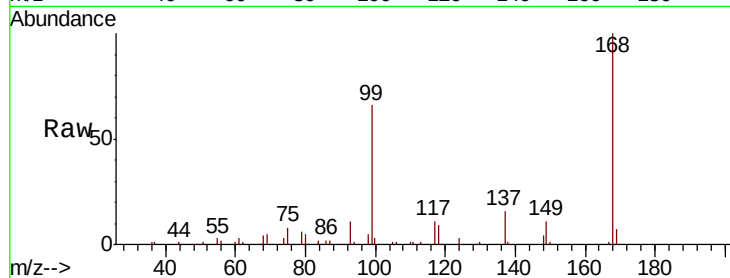
P021-SS002-0002-01

Tot Ion:168 Resp: 471472

Ion Ratio Lower Upper

168 100

99 66.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

150000

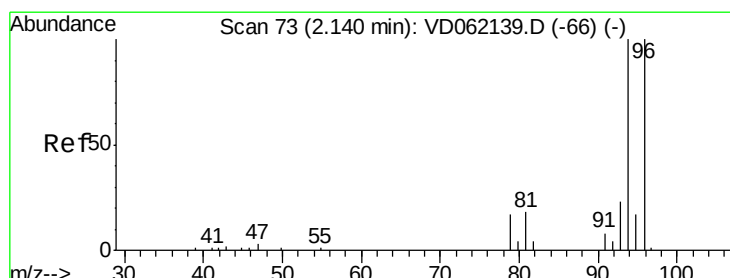
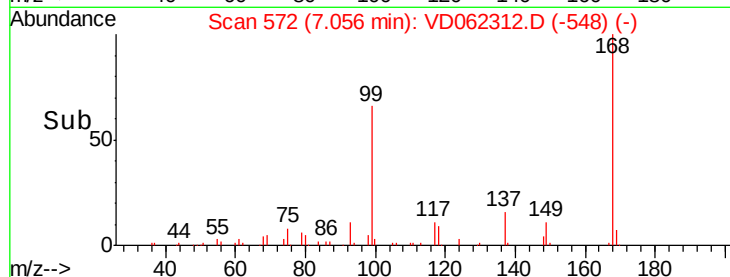
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 2.384 ug/l

RT: 2.18 min Scan# 76

Delta R.T. 0.04 min

Lab File: VD062312.D

Acq: 13 May 2019 18:39

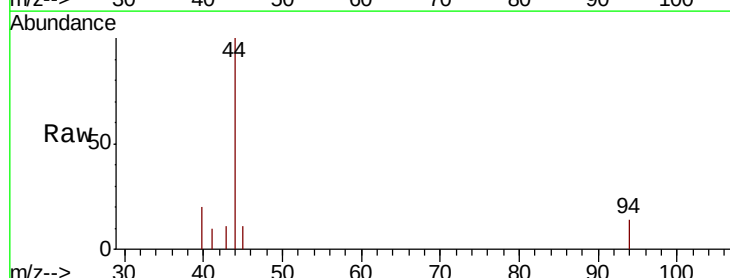
Tgt Ion: 94 Resp: 1789

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

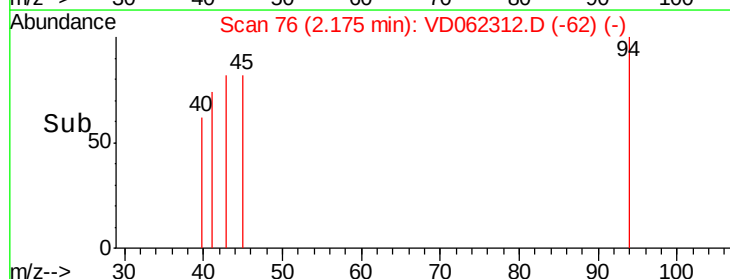
400

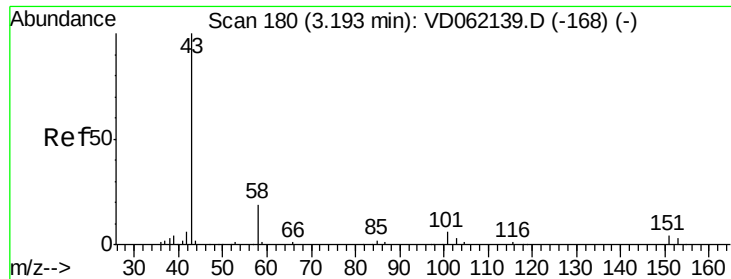
200

0

Time-->

2.15 2.20





#16

Acetone

Concen: 8.152 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.03 min

Lab File: VD062312.D

Acq: 13 May 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

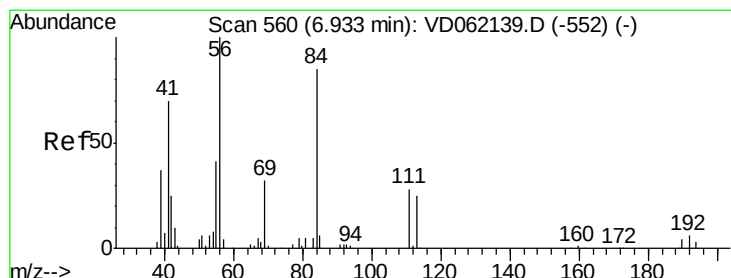
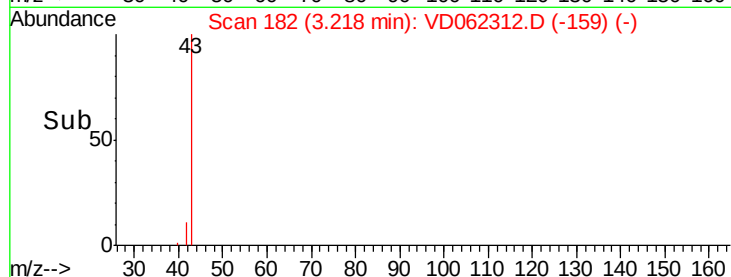
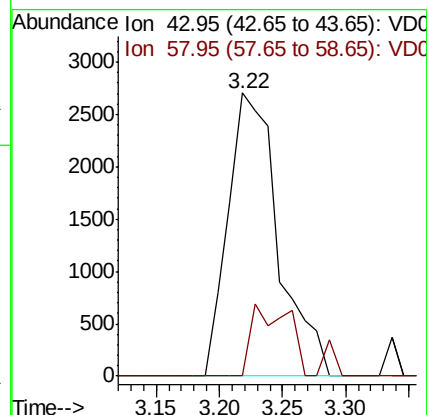
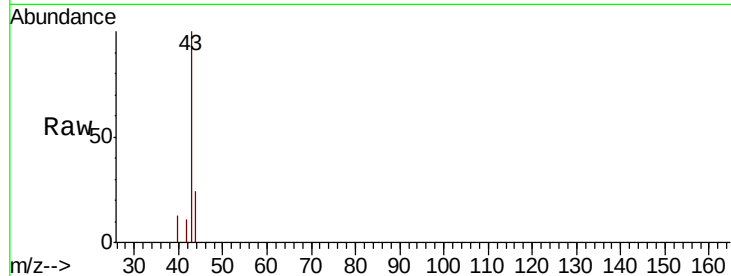
P021-SS002-0002-01

Tot Ion: 43 Resp: 7490

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



#31

Cyclohexane

Concen: 2.135 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD062312.D

Acq: 13 May 2019 18:39

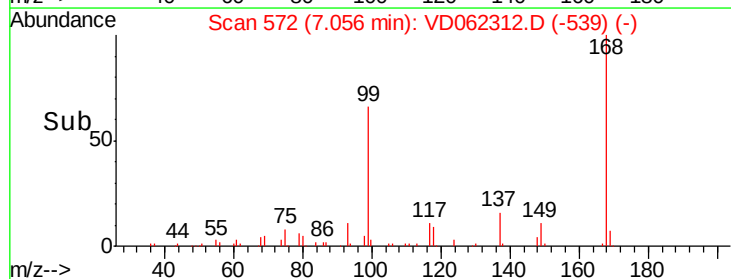
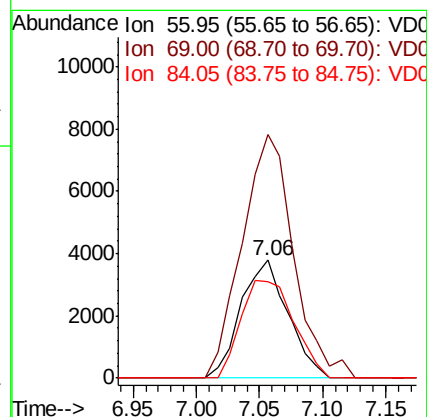
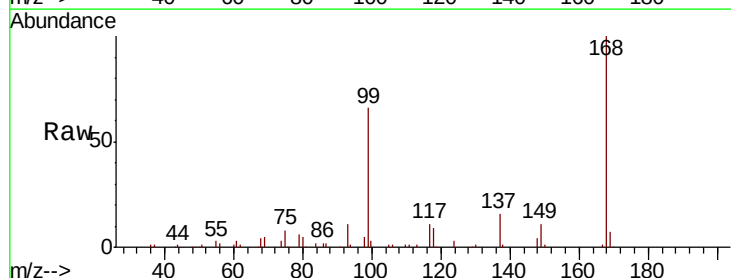
Tgt Ion: 56 Resp: 9813

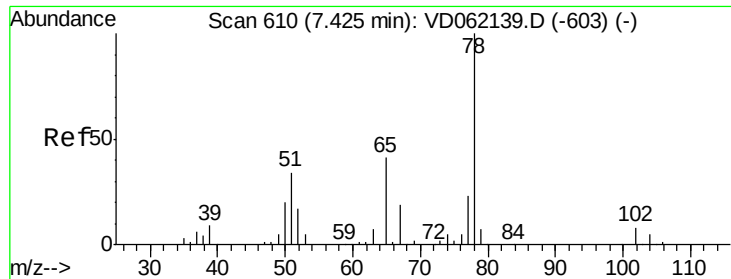
Ion Ratio Lower Upper

56 100

69 206.5 25.8 38.6#

84 81.3 72.2 108.4

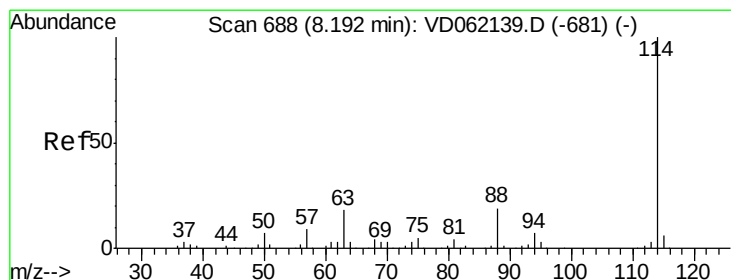
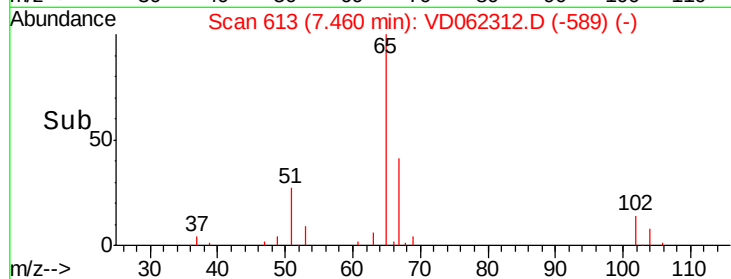
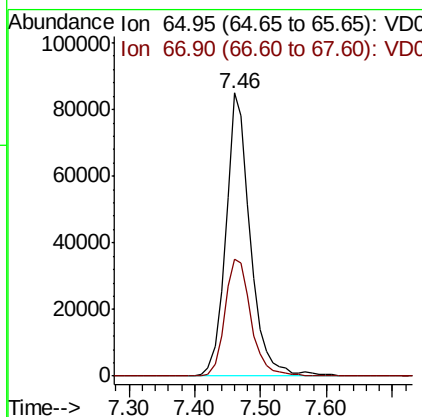
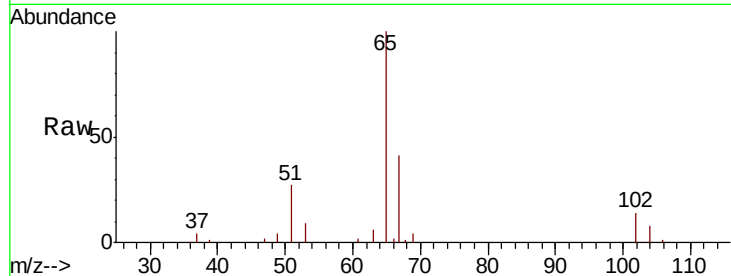




#33
 1,2-Dichloroethane-d4
 Concen: 50.059 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.03 min
 Lab File: VD062312.D
 Acq: 13 May 2019 18:39

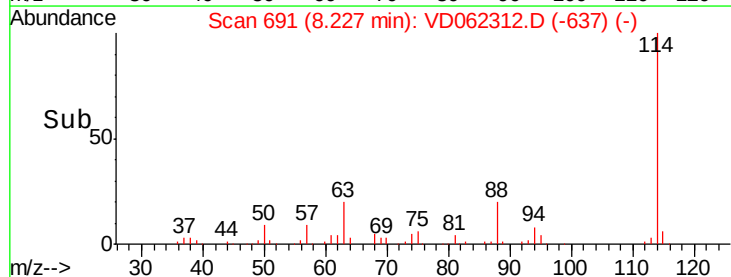
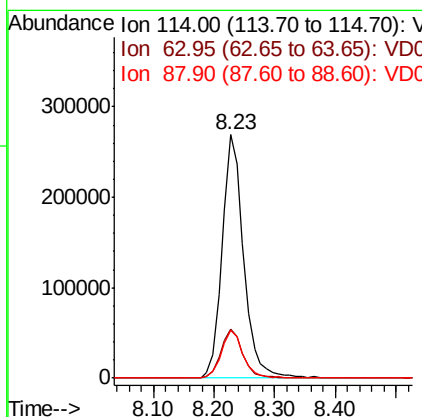
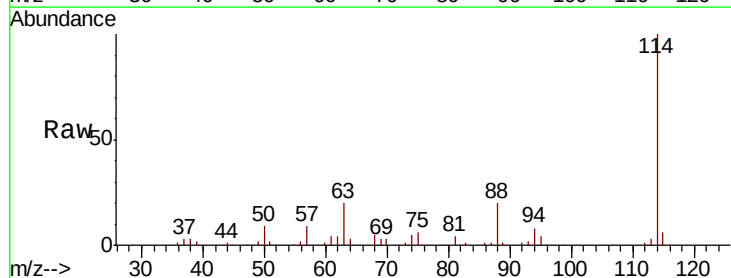
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS002-0002-01

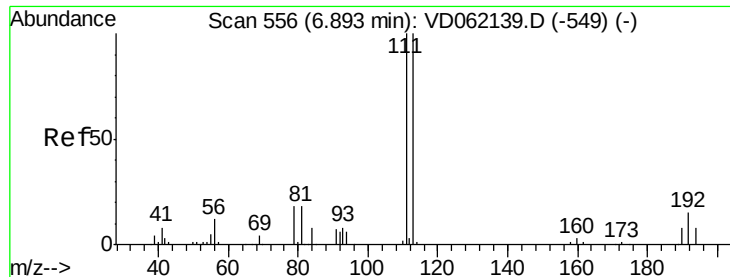
Tot Ion: 65 Resp: 219331
 Ion Ratio Lower Upper
 65 100
 67 41.3 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.04 min
 Lab File: VD062312.D
 Acq: 13 May 2019 18:39

Tgt Ion: 114 Resp: 661554
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 32.4
 88 19.6 0.0 33.6

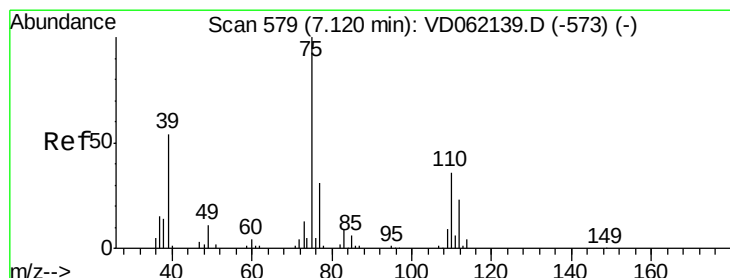
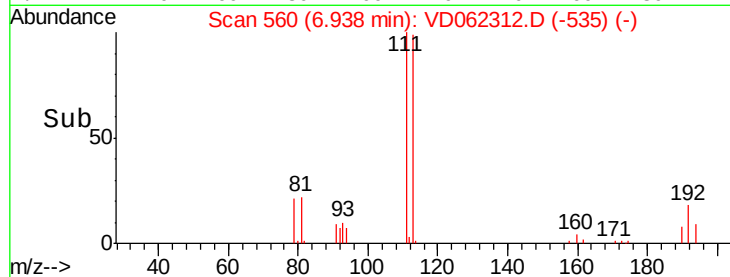
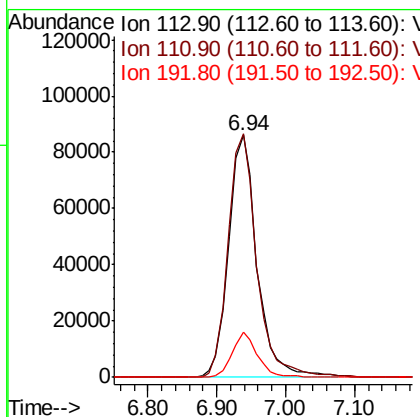
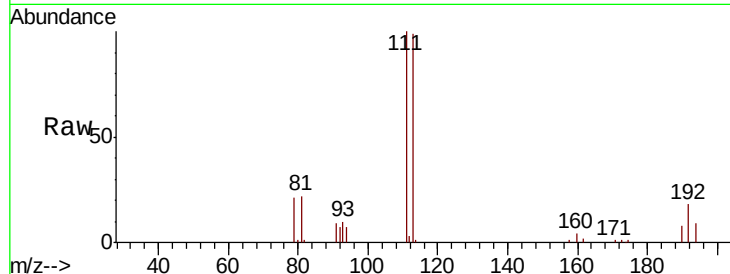




#35
 Dibromofluoromethane
 Concen: 44.807 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD062312.D
 Acq: 13 May 2019 18:39

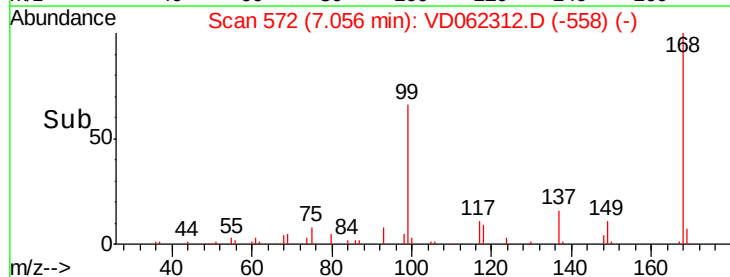
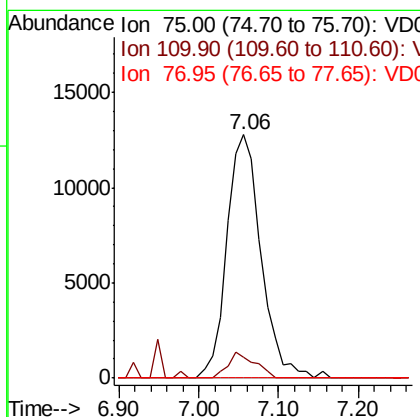
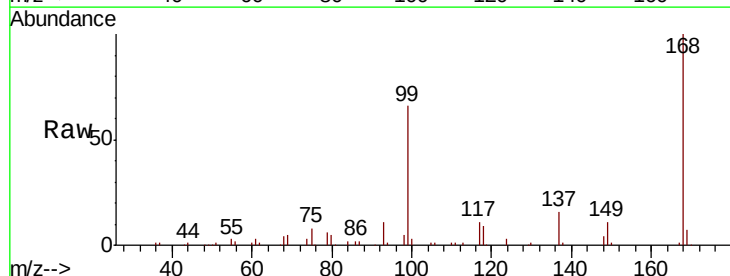
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS002-0002-01

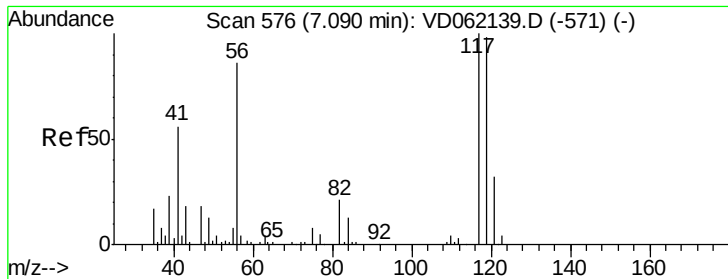
Tot Ion:113 Resp: 245944
 Ion Ratio Lower Upper
 113 100
 111 100.6 78.5 117.7
 192 18.6 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 7.061 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD062312.D
 Acq: 13 May 2019 18:39

Tgt Ion: 75 Resp: 38300
 Ion Ratio Lower Upper
 75 100
 110 8.4 19.1 57.1#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 6.748 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.03 min

Lab File: VD062312.D

Acq: 13 May 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

P021-SS002-0002-01

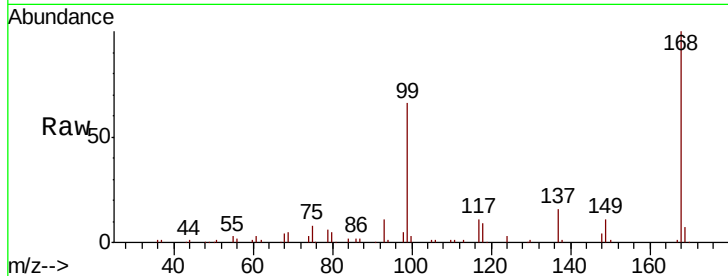
Tot Ion:117 Resp: 50664

Ion Ratio Lower Upper

117 100

119 2.5 75.8 113.8#

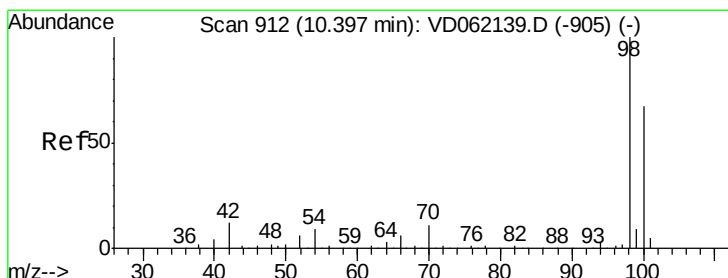
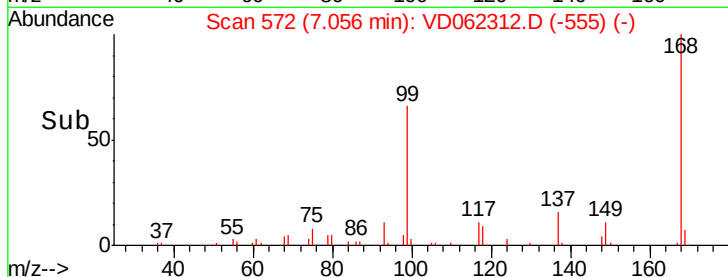
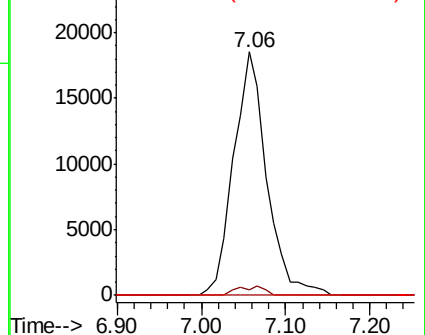
121 0.0 25.9 38.9#



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: 32.276 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD062312.D

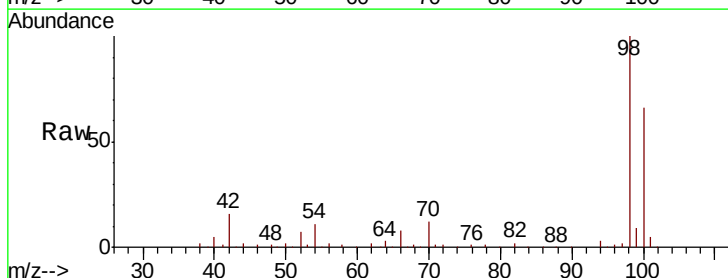
Acq: 13 May 2019 18:39

Tgt Ion: 98 Resp: 427153

Ion Ratio Lower Upper

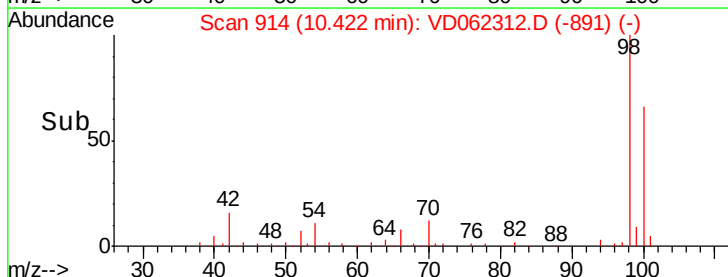
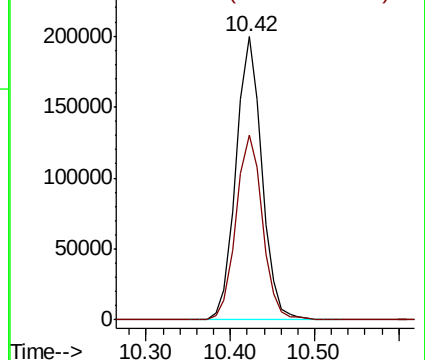
98 100

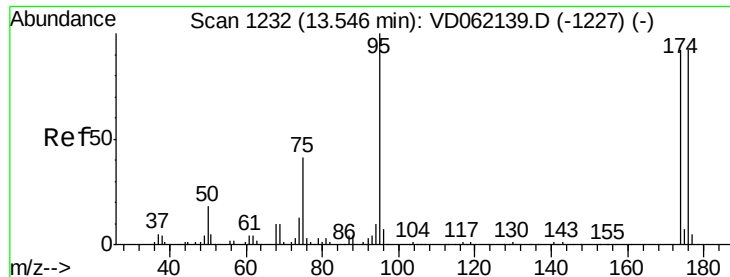
100 65.5 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 26.941 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD062312.D

Acq: 13 May 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

P021-SS002-0002-01

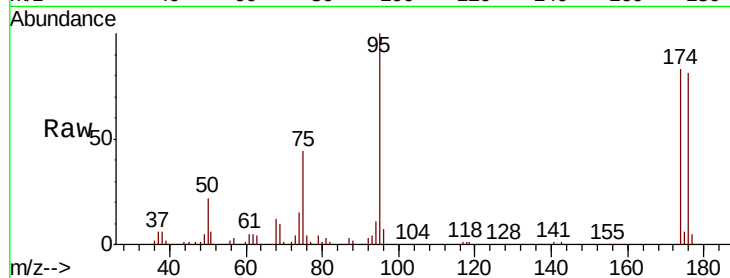
Tot Ion: 95 Resp: 143174

Ion Ratio Lower Upper

95 100

174 83.4 0.0 181.8

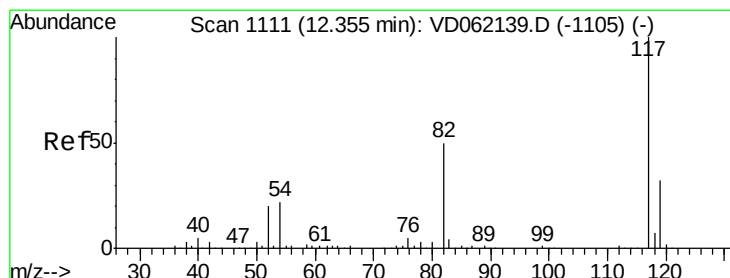
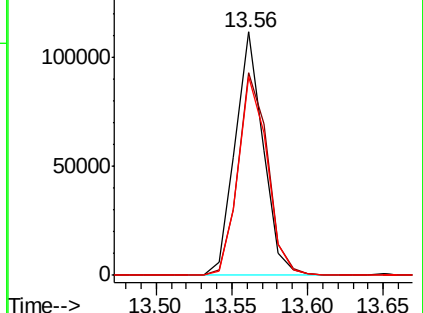
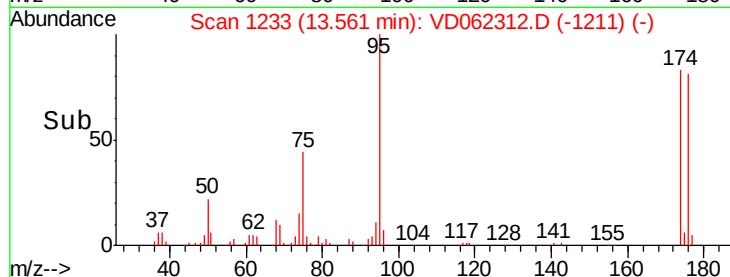
176 81.5 0.0 174.4



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: 12.38 min Scan# 1113

Delta R.T. 0.03 min

Lab File: VD062312.D

Acq: 13 May 2019 18:39

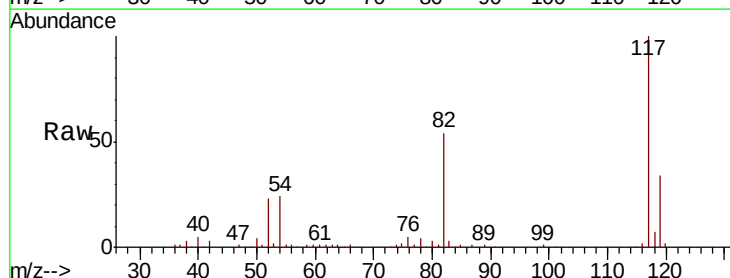
Tgt Ion: 117 Resp: 443845

Ion Ratio Lower Upper

117 100

82 54.5 36.2 54.2#

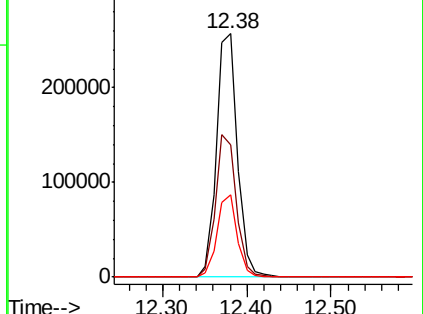
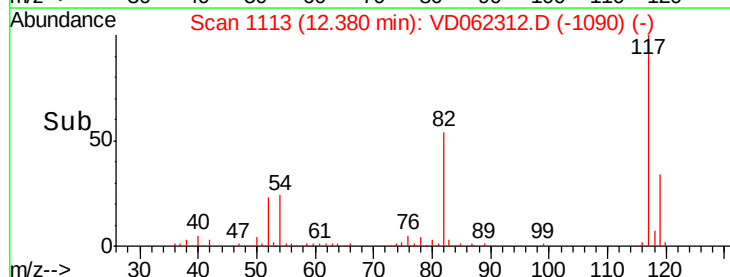
119 33.6 26.2 39.4

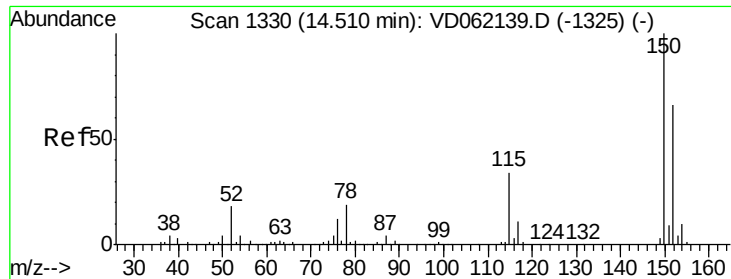


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1331

Delta R.T. 0.02 min

Lab File: VD062312.D

Acq: 13 May 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

P021-SS002-0002-01

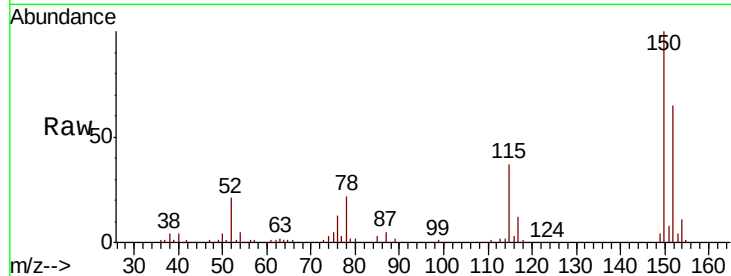
Tot Ion:152 Resp: 145285

Ion Ratio Lower Upper

152 100

115 56.6 30.9 92.7

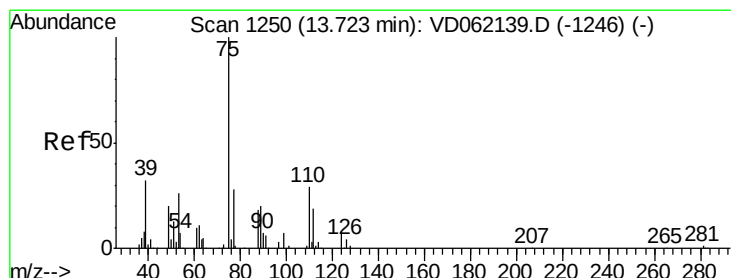
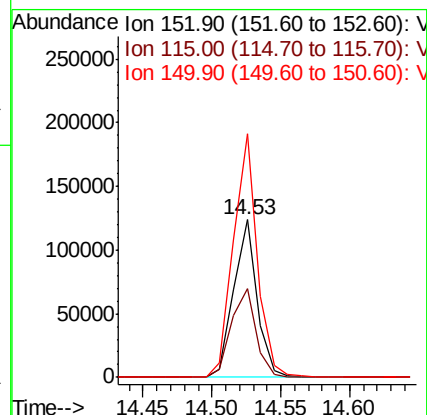
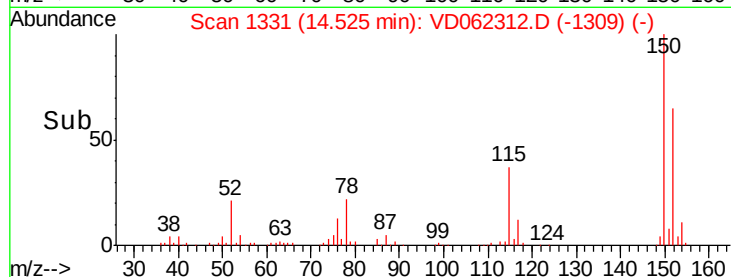
150 154.8 0.0 314.8



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: 37.490 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062312.D

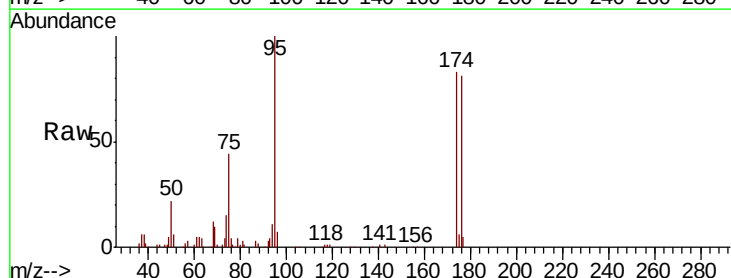
Acq: 13 May 2019 18:39

Tgt Ion: 75 Resp: 64731

Ion Ratio Lower Upper

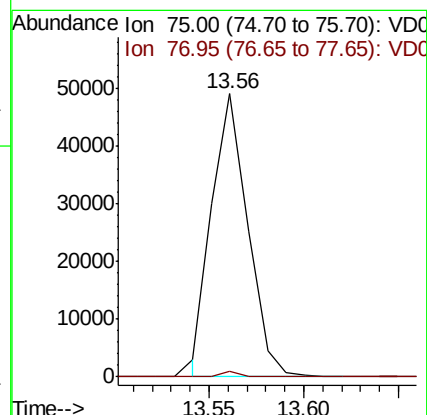
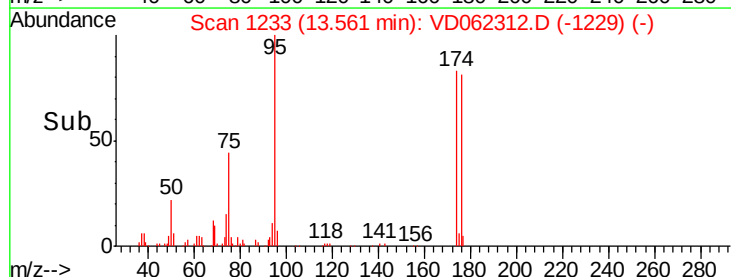
75 100

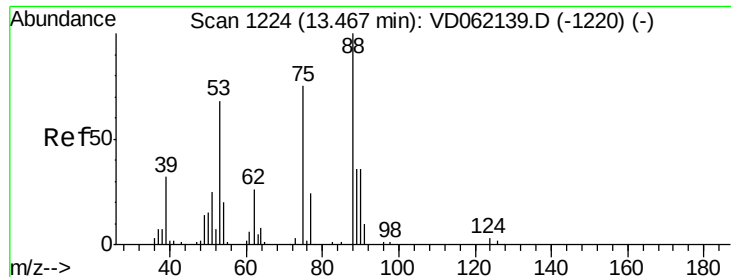
77 1.8 16.4 49.4#



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: 136.509 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062312.D

Acq: 13 May 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

P021-SS002-0002-01

Tot Ion: 75 Resp: 66538

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

