

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\
 Data File : VX016172.D
 Acq On : 13 May 2020 12:27
 Operator : JC/SP
 Sample : L2597-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW765-200511

Quant Time: May 14 04:26:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	284178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	469819	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	461987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	237656	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	172786	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	
35) Dibromofluoromethane	5.46	113	137631	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
50) Toluene-d8	8.70	98	576075	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	11.12	95	233590	53.55	ug/l	0.00
Spiked Amount			Recovery	=	107.10%	

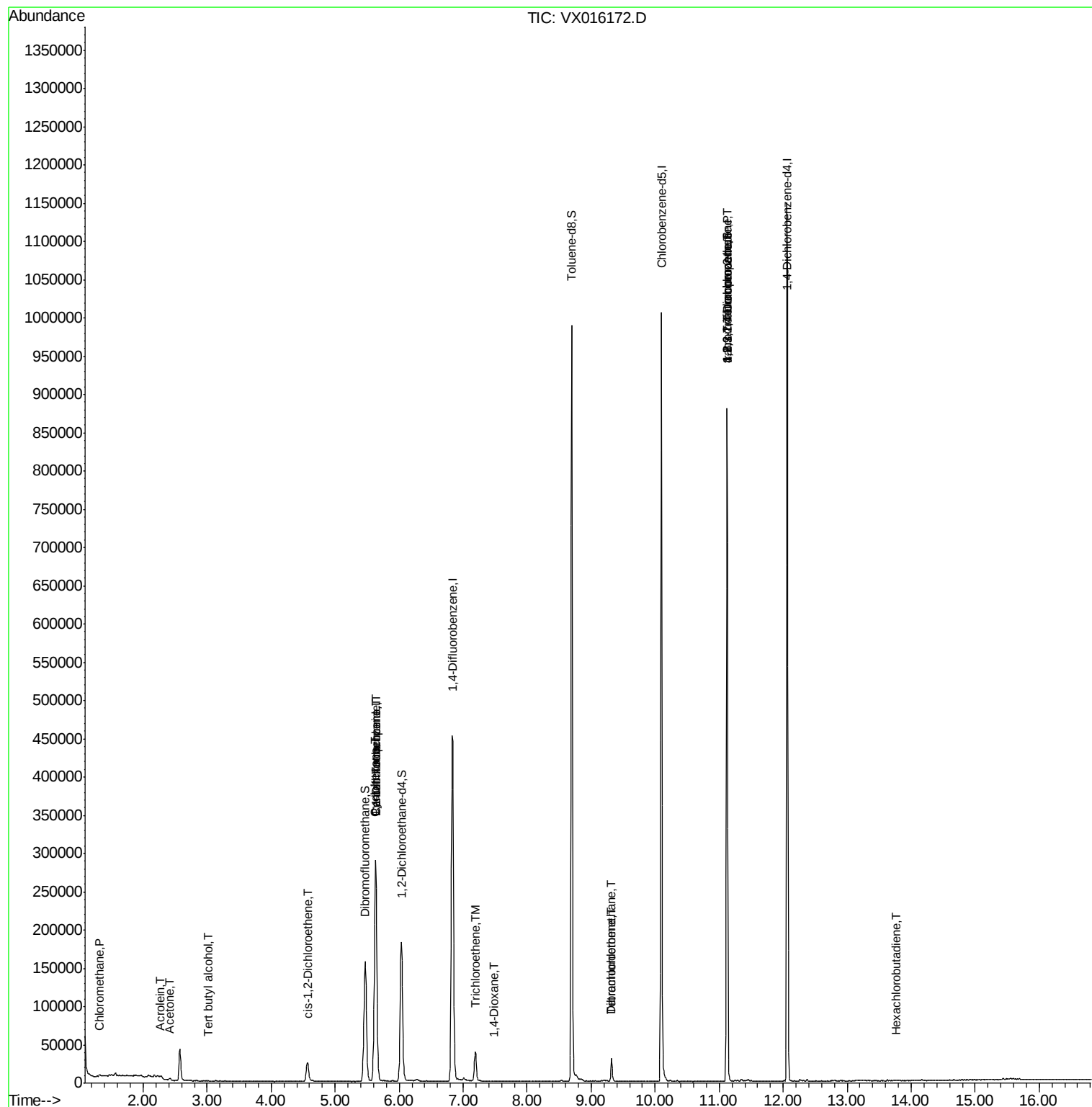
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	732	0.210	ug/l	91
11) Tert butyl alcohol	3.01	59	501	0.530	ug/l #	83
13) Acrolein	2.27	56	132	0.223	ug/l #	1
16) Acetone	2.42	43	2800	1.678	ug/l	99
17) Carbon Disulfide	2.56	76	1702	Below Cal		100
27) cis-1,2-Dichloroethene	4.57	96	16105	4.475	ug/l	87
31) Cyclohexane	5.62	56	5508	1.060	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20852	4.509	ug/l #	49
38) Carbon Tetrachloride	5.63	117	26995	5.743	ug/l #	14
44) Trichloroethene	7.19	130	14816	3.082	ug/l	97
49) 1,4-Dioxane	7.48	88	22	0.226	ug/l #	1
60) Dibromochloromethane	9.32	129	5281	1.445	ug/l #	11
64) Tetrachloroethene	9.32	164	6121	1.079	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.12	83	197	2.110	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	115209	21.363	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	115209	50.909	ug/l #	13
94) Hexachlorobutadiene	13.76	225	85	0.558	ug/l	89

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

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QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016172.D

Acq: 13 May 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

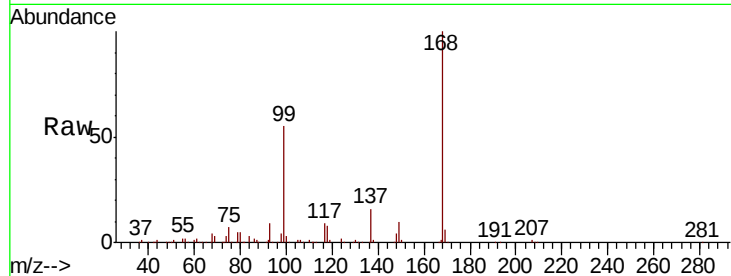
SS052MW765-200511

Tot Ion:168 Resp: 284178

Ion Ratio Lower Upper

168 100

99 54.7 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

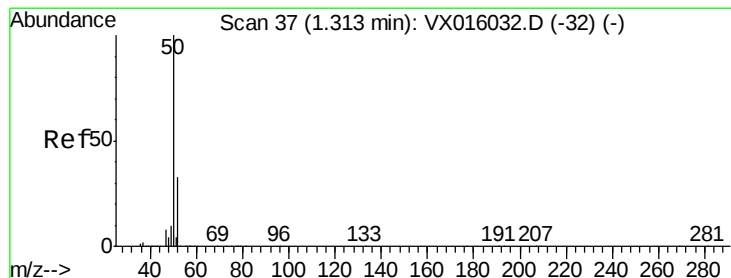
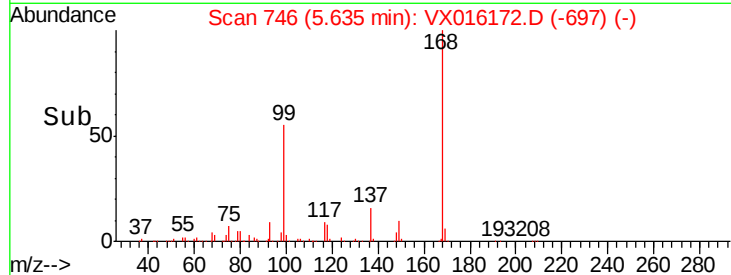
20000

0

5.50 5.60 5.70 5.80

5.64

Time-->



#3

Chloromethane

Concen: 0.210 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016172.D

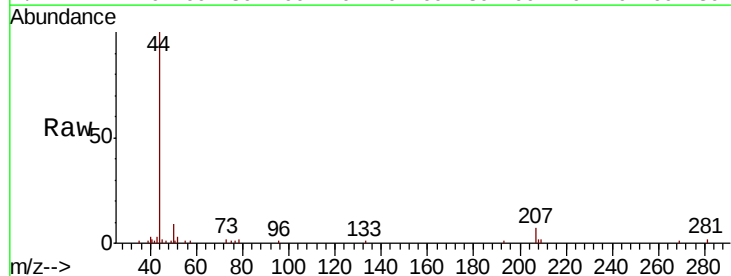
Acq: 13 May 2020 12:27

Tgt Ion: 50 Resp: 732

Ion Ratio Lower Upper

50 100

52 37.4 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

600

400

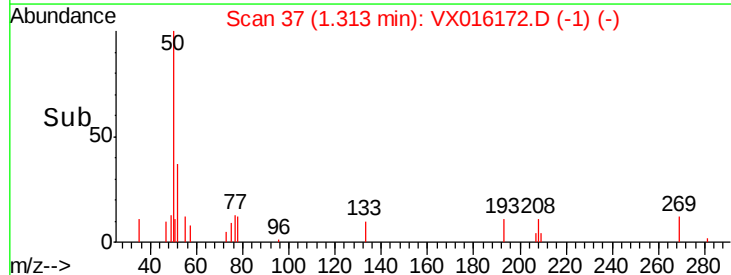
200

0

1.30 1.35

1.31

Time-->



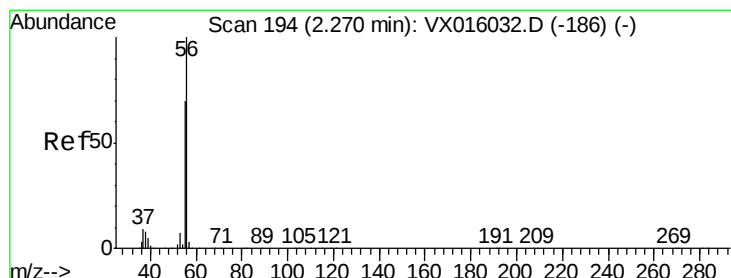
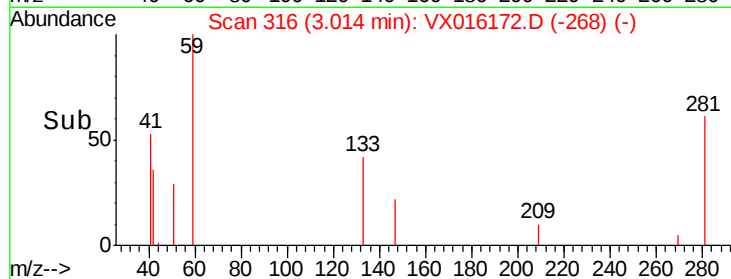
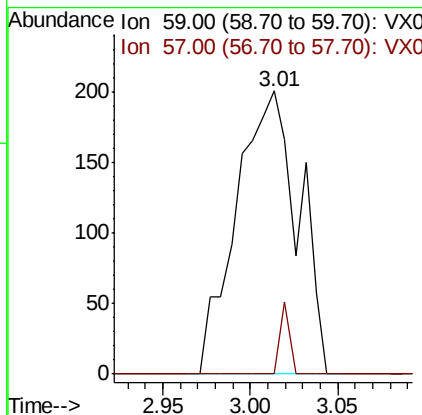
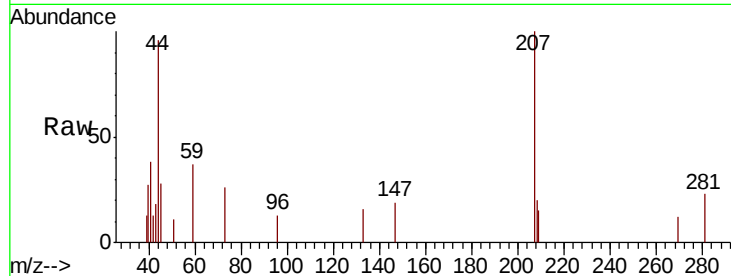


#11

Tert butyl alcohol
 Concen: 0.530 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX016172.D
 Acq: 13 May 2020 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW765-200511

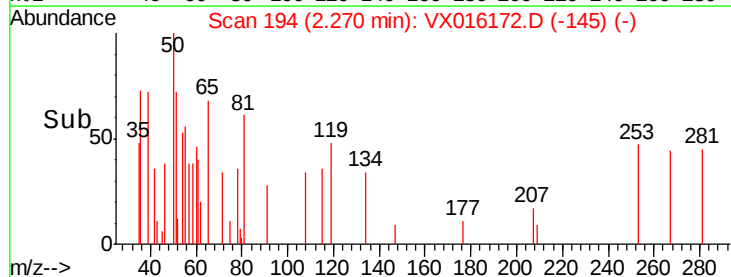
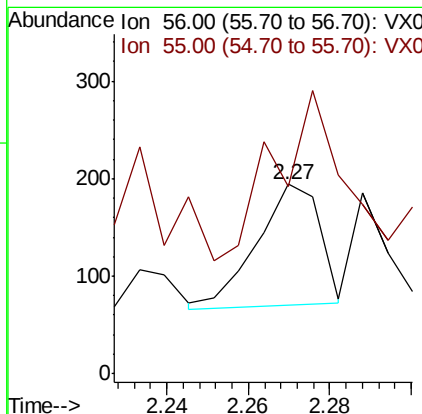
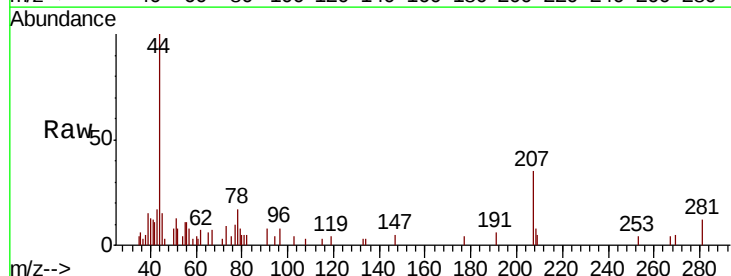
Tot Ion: 59 Resp: 501
 Ion Ratio Lower Upper
 59 100
 57 3.8 8.2 12.4#

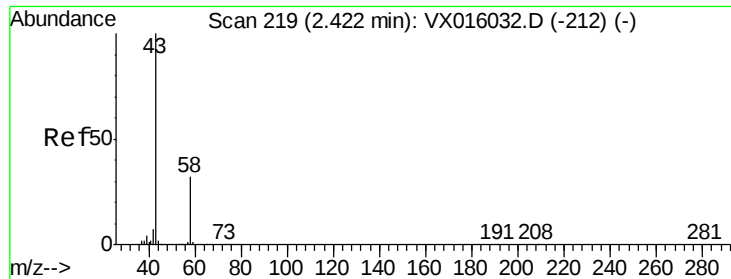


#13

Acrolein
 Concen: 0.223 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.00 min
 Lab File: VX016172.D
 Acq: 13 May 2020 12:27

Tgt Ion: 56 Resp: 132
 Ion Ratio Lower Upper
 56 100
 55 323.5 56.5 84.7#

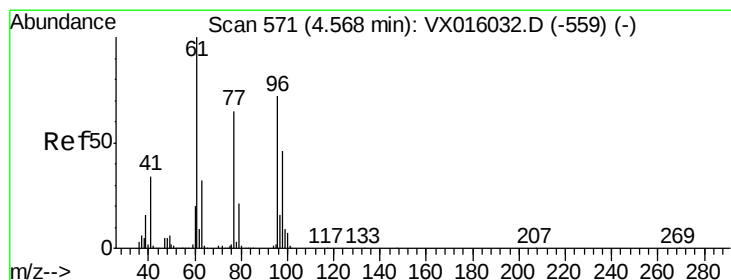
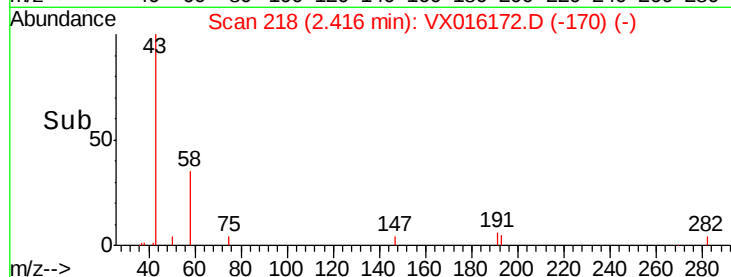
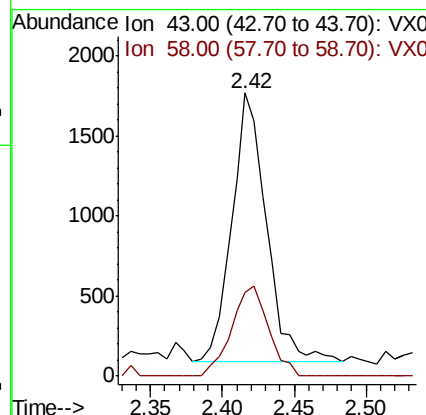
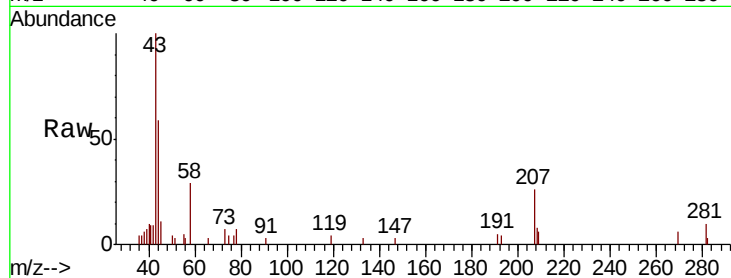




#16
Acetone
Concen: 1.678 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016172.D
Acq: 13 May 2020 12:27

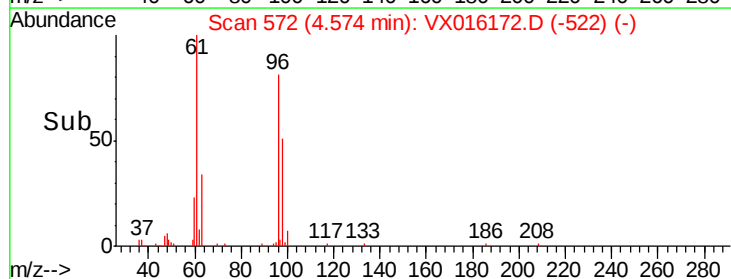
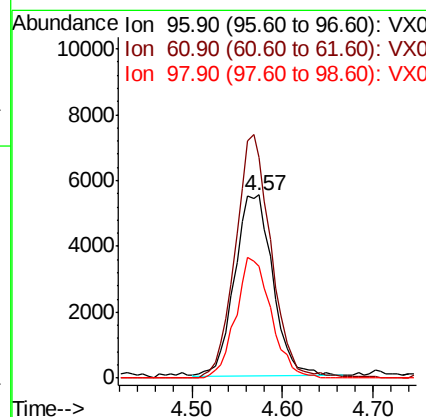
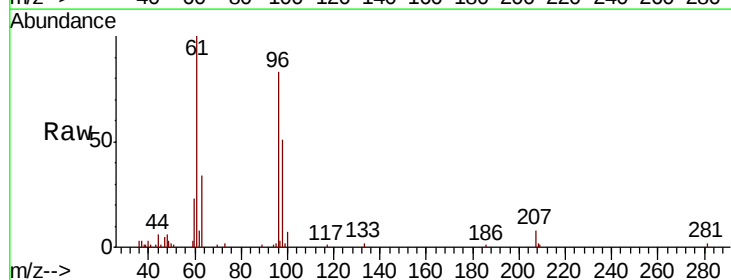
Instrument :
MSVOA_X
ClientSampleId :
SS052MW765-200511

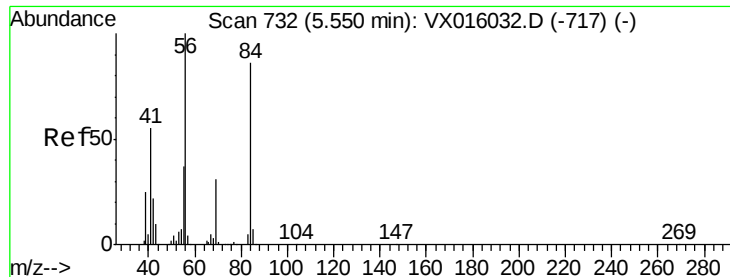
Tot Ion: 43 Resp: 2800
Ion Ratio Lower Upper
43 100
58 31.0 25.4 38.0



#27
cis-1,2-Dichloroethene
Concen: 4.475 ug/l
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX016172.D
Acq: 13 May 2020 12:27

Tgt Ion: 96 Resp: 16105
Ion Ratio Lower Upper
96 100
61 126.5 0.0 296.2
98 61.5 0.0 129.4

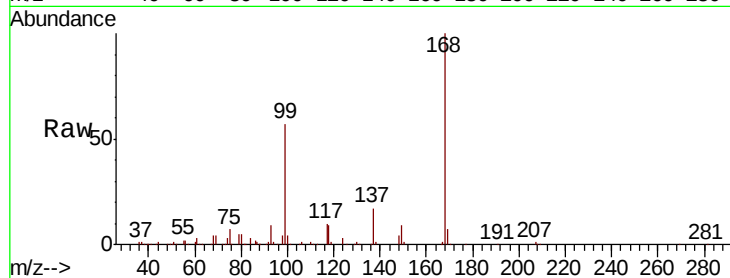




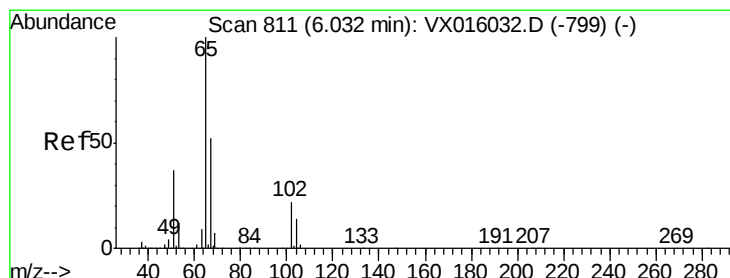
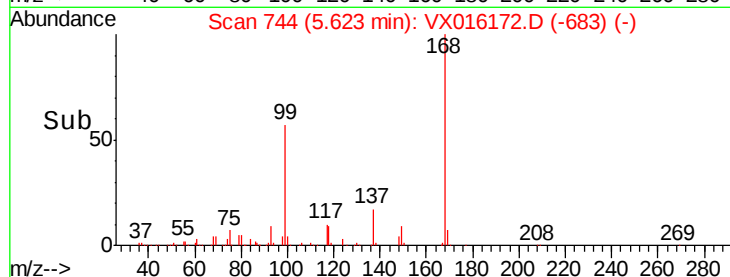
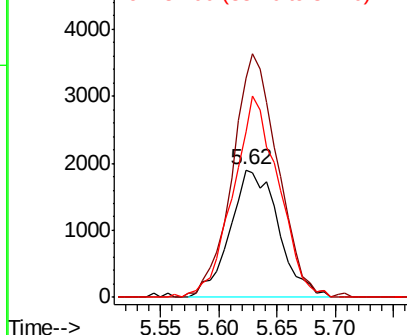
#31
Cyclohexane
Concen: 1.060 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016172.D
Acq: 13 May 2020 12:27

Instrument :
MSVOA_X
ClientSampleId :
SS052MW765-200511

Tot Ion: 56 Resp: 5508
Ion Ratio Lower Upper
56 100
69 169.2 25.0 37.6#
84 130.0 69.0 103.6#

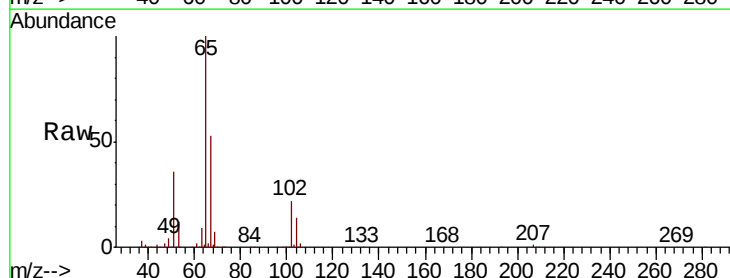


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

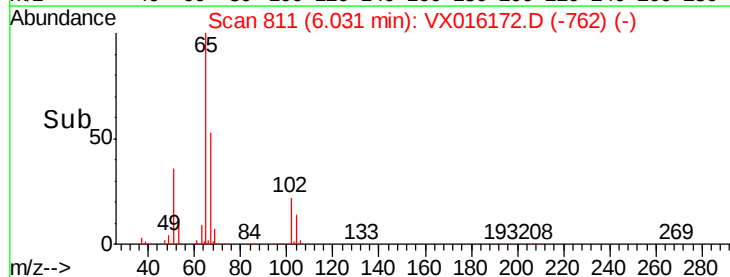
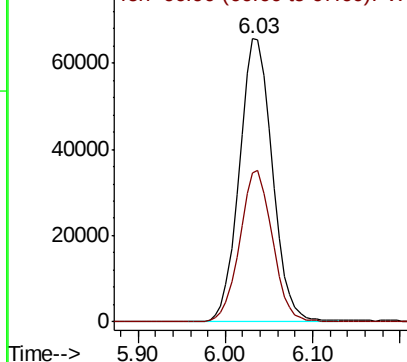


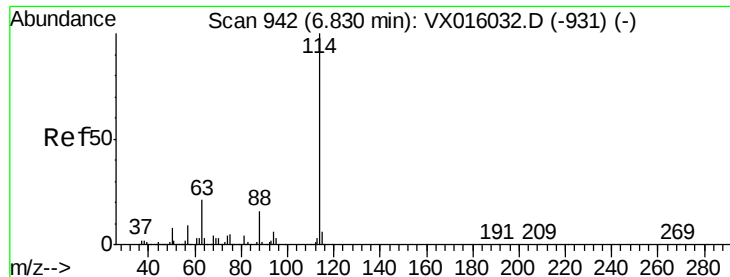
#33
1,2-Dichloroethane-d4
Concen: 46.206 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016172.D
Acq: 13 May 2020 12:27

Tgt Ion: 65 Resp: 172786
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016172.D

Acq: 13 May 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

SS052MW765-200511

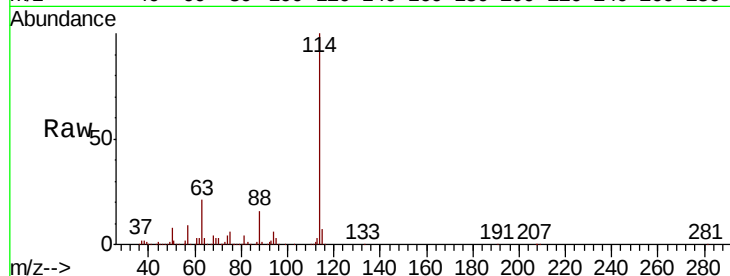
Tot Ion:114 Resp: 469819

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.8

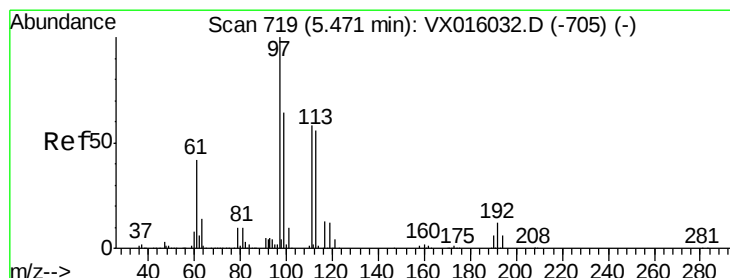
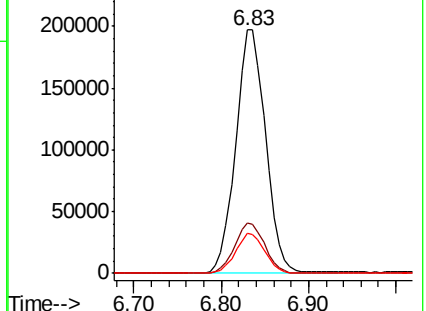
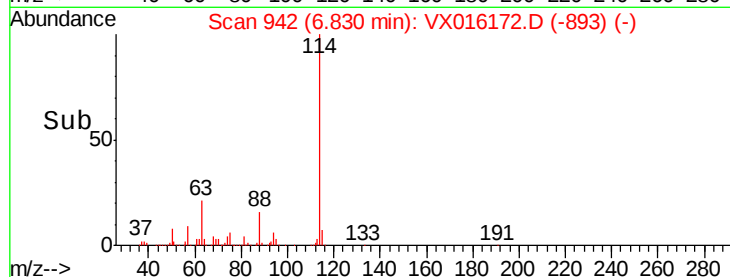
88 16.3 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.239 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016172.D

Acq: 13 May 2020 12:27

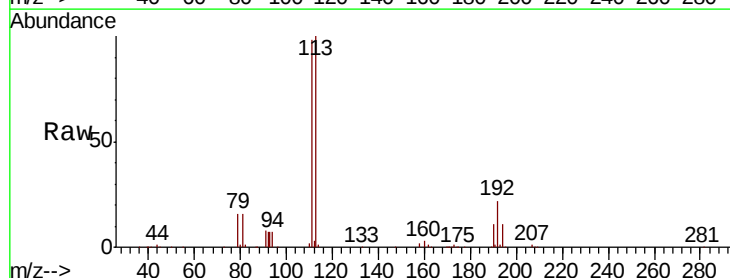
Tgt Ion:113 Resp: 137631

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

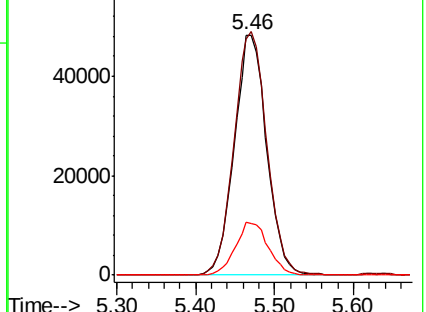
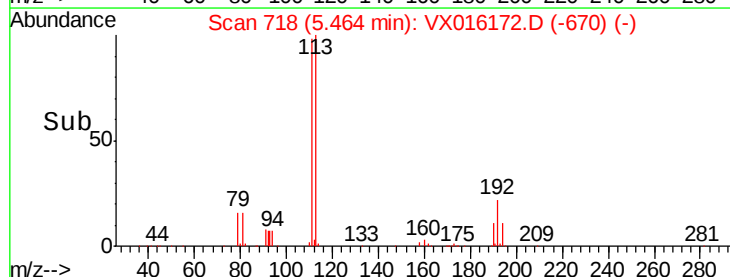
192 22.3 17.0 25.4

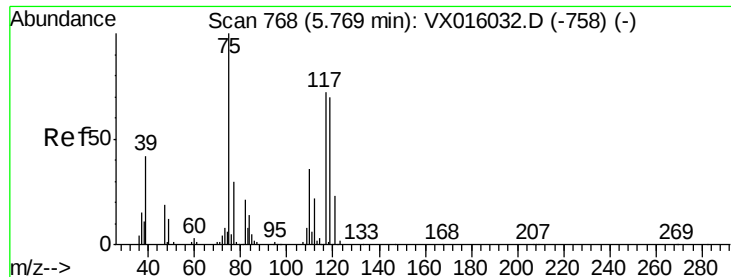


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.509 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016172.D

Acq: 13 May 2020 12:27

Instrument :

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ClientSampleId :

SS052MW765-200511

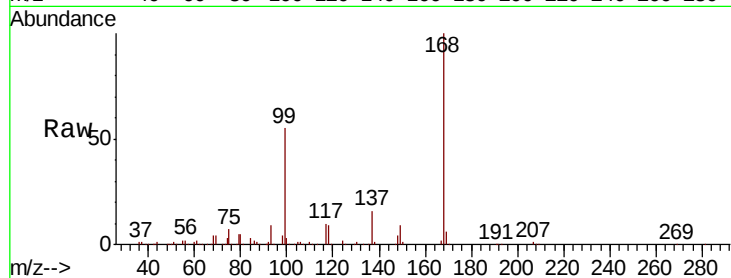
Tot Ion: 75 Resp: 20852

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.1#

77 0.0 25.0 37.6#

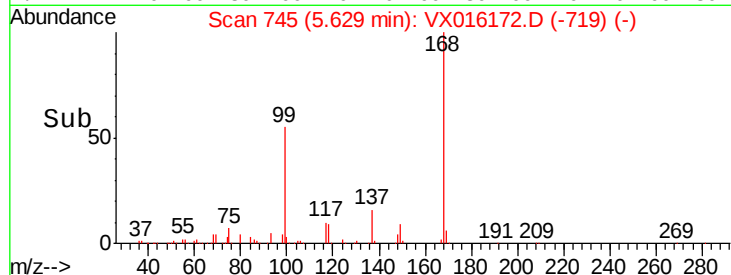


Abundance Ion 74.90 (74.60 to 75.60): VX016172.D (-719) (-)

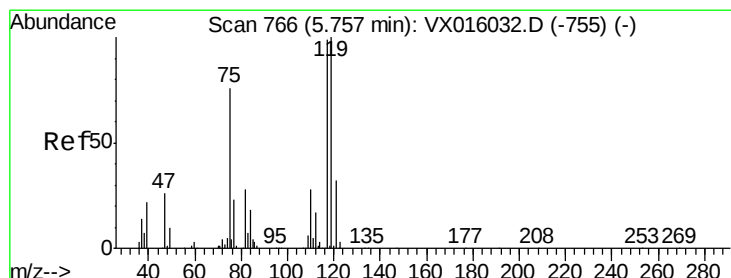
Ion 109.90 (109.60 to 110.60): VX016172.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016172.D (-719) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 5.743 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016172.D

Acq: 13 May 2020 12:27

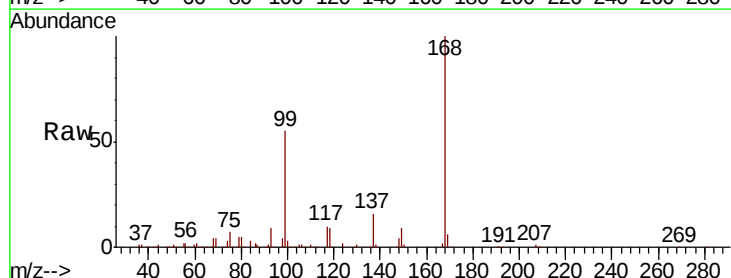
Tgt Ion: 117 Resp: 26995

Ion Ratio Lower Upper

117 100

119 5.0 80.3 120.5#

121 0.0 25.7 38.5#

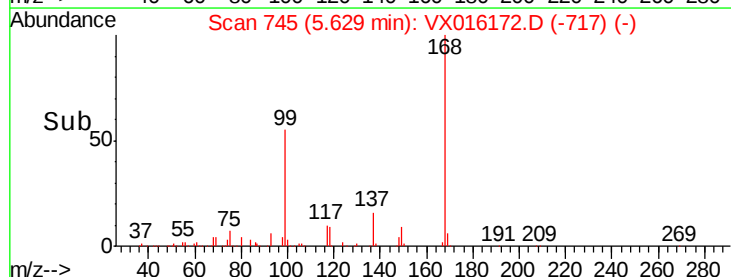


Abundance Ion 116.80 (116.50 to 117.50): VX016172.D (-717) (-)

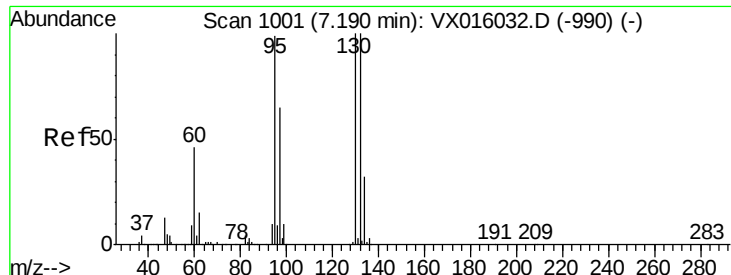
Ion 118.80 (118.50 to 119.50): VX016172.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016172.D (-717) (-)

Time-->



Time-->



#44

Trichloroethene

Concen: 3.082 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016172.D

Acq: 13 May 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

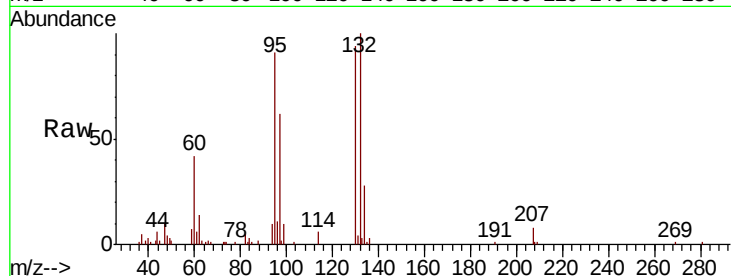
SS052MW765-200511

Tot Ion:130 Resp: 14816

Ion Ratio Lower Upper

130 100

95 96.0 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

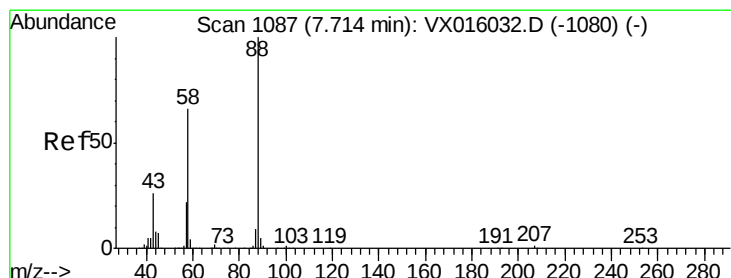
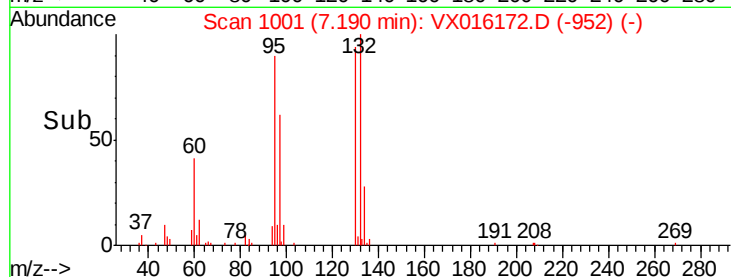
6000

4000

2000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#49

1,4-Dioxane

Concen: 0.226 ug/l

RT: 7.48 min Scan# 1049

Delta R.T. -0.23 min

Lab File: VX016172.D

Acq: 13 May 2020 12:27

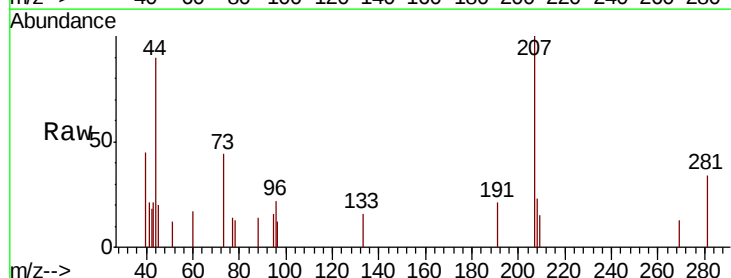
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 204.5 25.3 37.9#

58 0.0 55.9 83.9#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

200

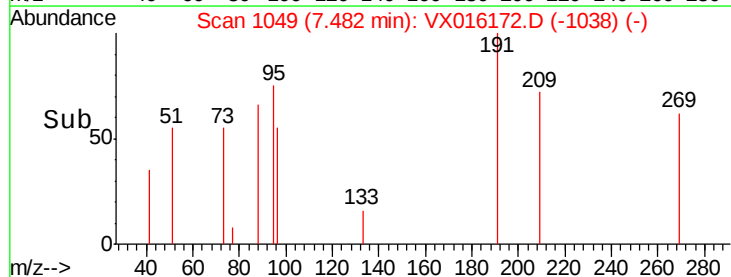
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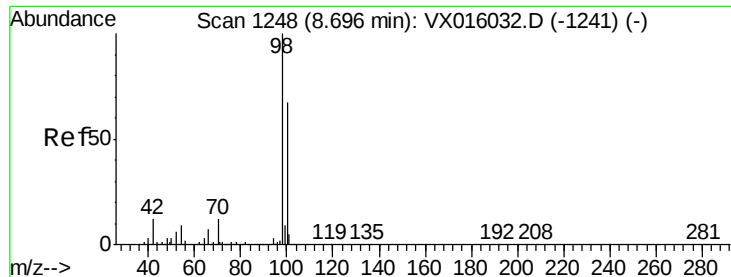
100

50

0

Time--> 7.46 7.47 7.48 7.49 7.50





#50

Toluene-d8

Concen: 50.230 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016172.D

Acq: 13 May 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

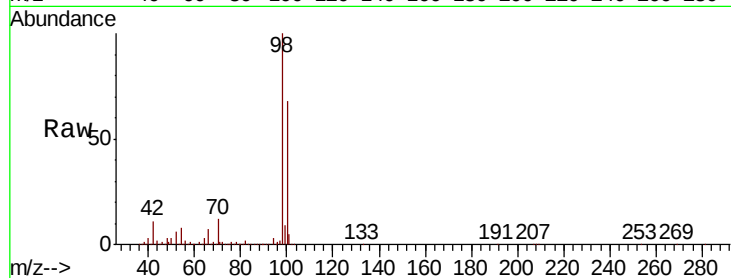
SS052MW765-200511

Tot Ion: 98 Resp: 576075

Ion Ratio Lower Upper

98 100

100 67.3 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

400000

300000

200000

100000

0

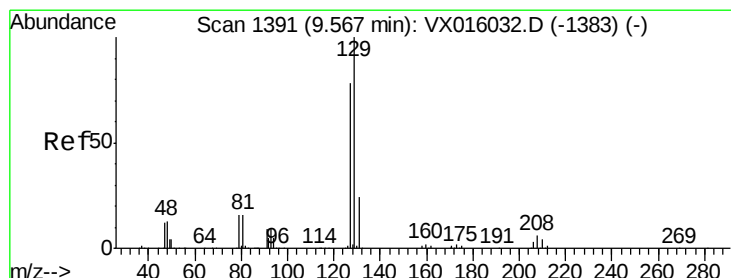
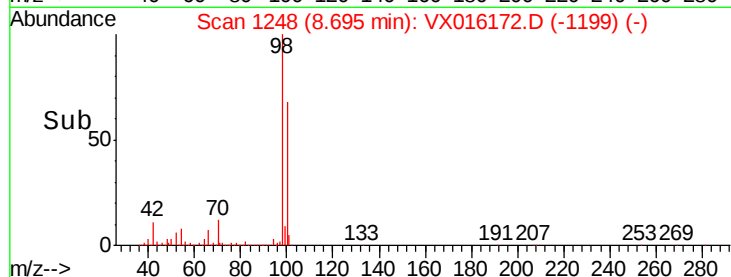
8.60

8.65

8.70

8.75

Time-->



#60

Dibromochloromethane

Concen: 1.445 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016172.D

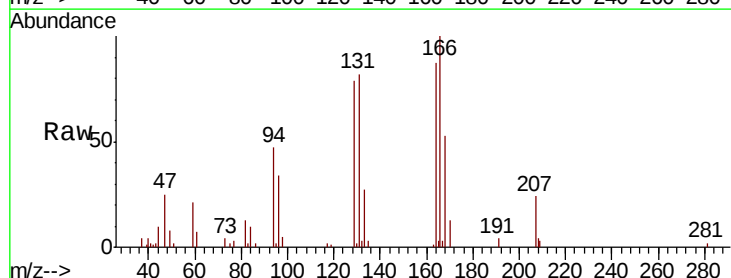
Acq: 13 May 2020 12:27

Tgt Ion: 129 Resp: 5281

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

4000

3000

2000

1000

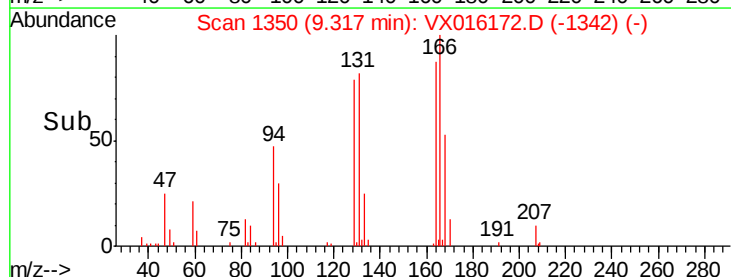
0

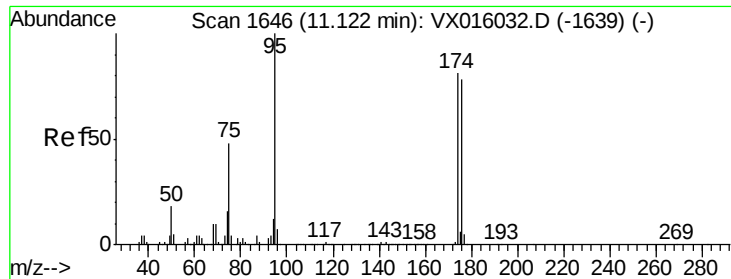
9.30

9.32

9.35

Time-->





#62

4-Bromofluorobenzene

Concen: 53.549 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016172.D

Acq: 13 May 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

SS052MW765-200511

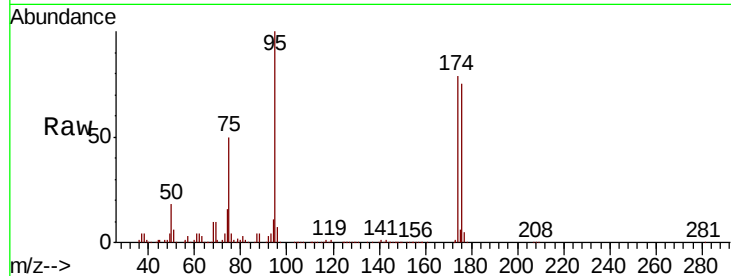
Tot Ion: 95 Resp: 233590

Ion Ratio Lower Upper

95 100

174 81.2 0.0 159.4

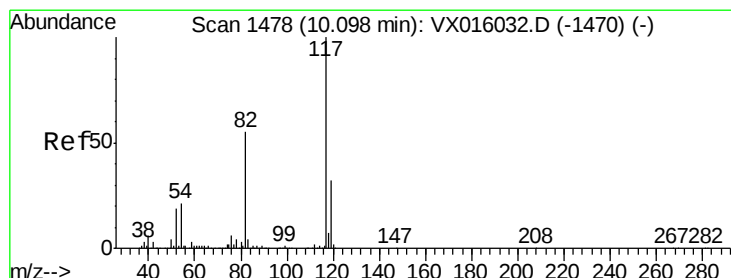
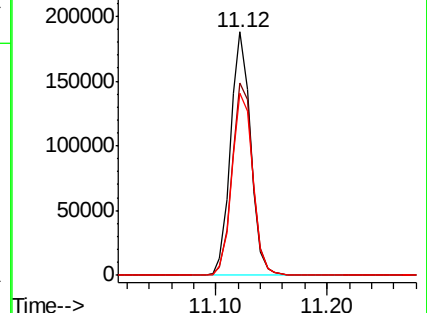
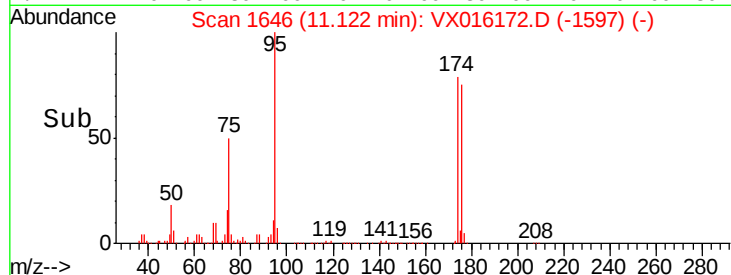
176 78.4 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016172.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016172.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016172.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016172.D

Acq: 13 May 2020 12:27

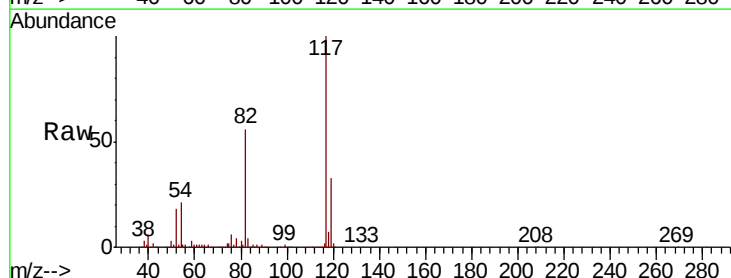
Tgt Ion: 117 Resp: 461987

Ion Ratio Lower Upper

117 100

82 56.3 44.4 66.6

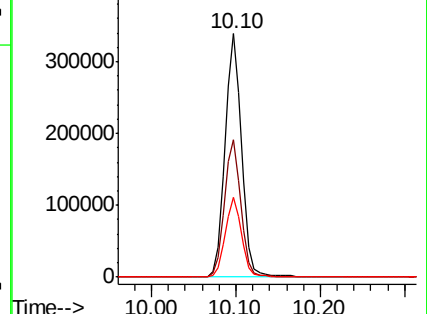
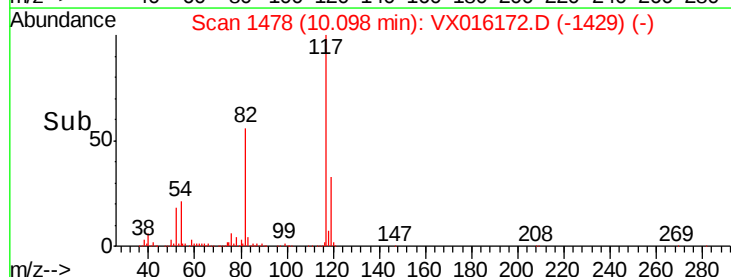
119 32.6 25.5 38.3

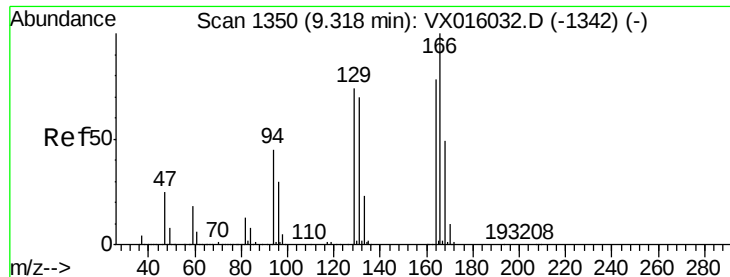


Abundance Ion 116.90 (116.60 to 117.60): VX016172.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016172.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016172.D (-1429) (-)





#64

Tetrachloroethene

Concen: 1.079 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX016172.D

Acq: 13 May 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

SS052MW765-200511

Tot Ion:164 Resp: 6121

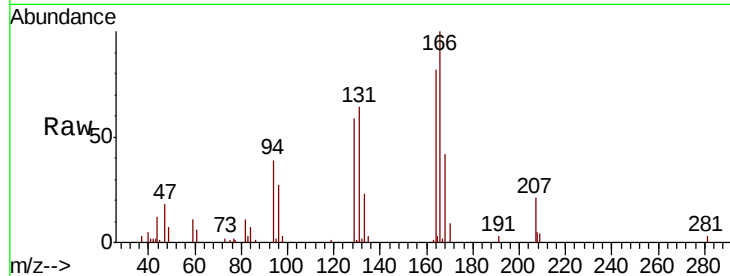
Ion Ratio Lower Upper

164 100

166 122.7 102.9 154.3

129 72.7 76.1 114.1#

131 78.1 71.9 107.9

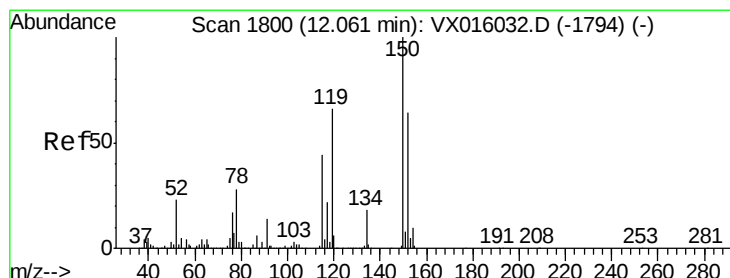
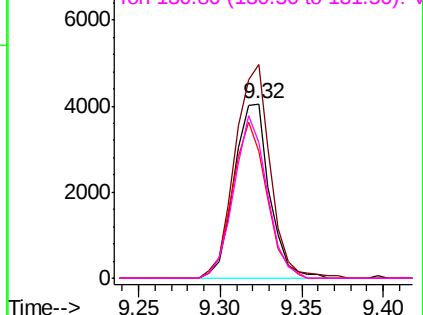
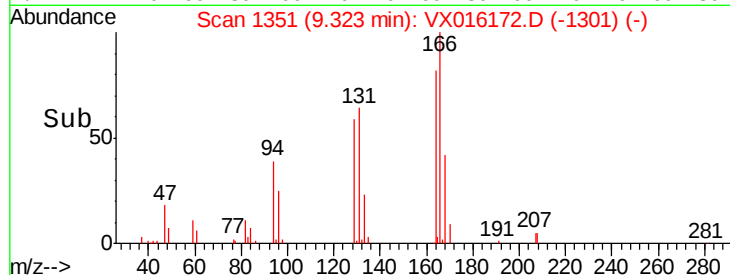


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016172.D

Acq: 13 May 2020 12:27

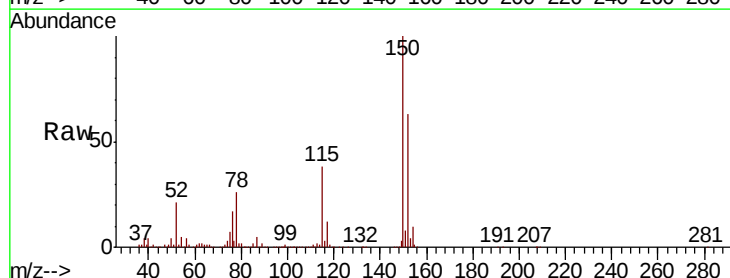
Tgt Ion:152 Resp: 237656

Ion Ratio Lower Upper

152 100

115 58.9 41.3 124.1

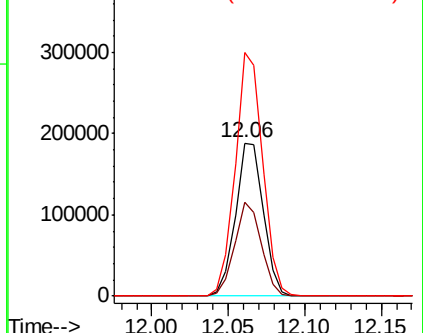
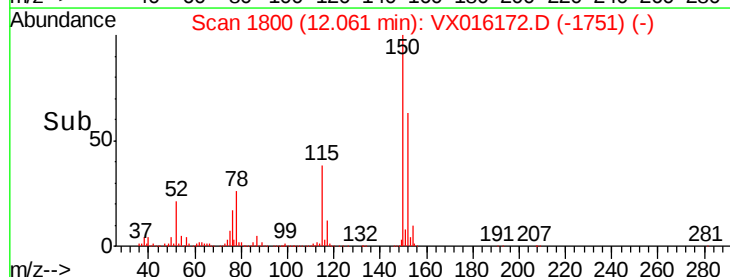
150 156.7 0.0 352.2

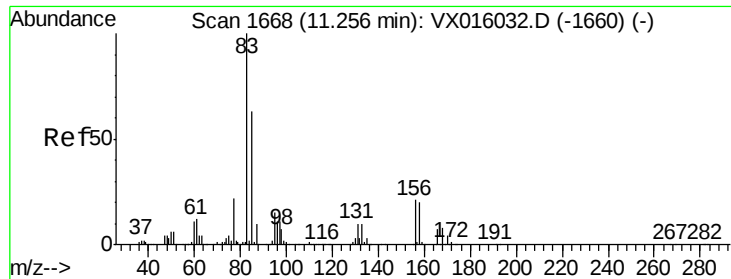


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: 2.110 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.14 min

Lab File: VX016172.D

Acq: 13 May 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

SS052MW765-200511

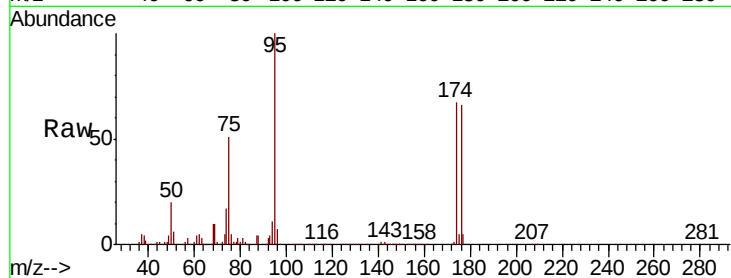
Tot Ion: 83 Resp: 197

Ion Ratio Lower Upper

83 100

131 161.9 5.1 15.4#

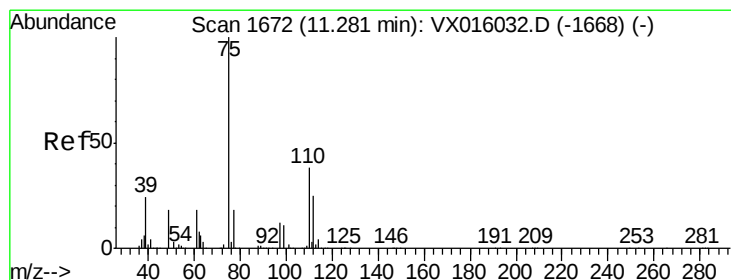
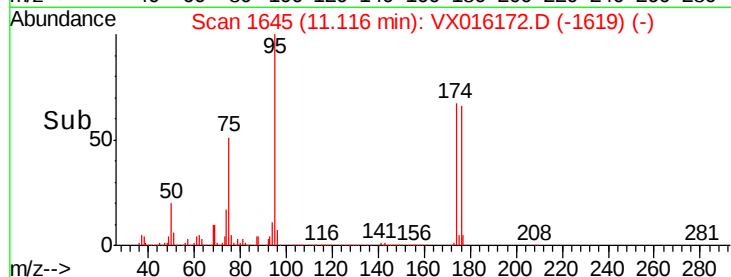
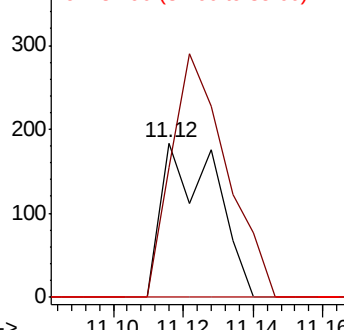
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.363 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016172.D

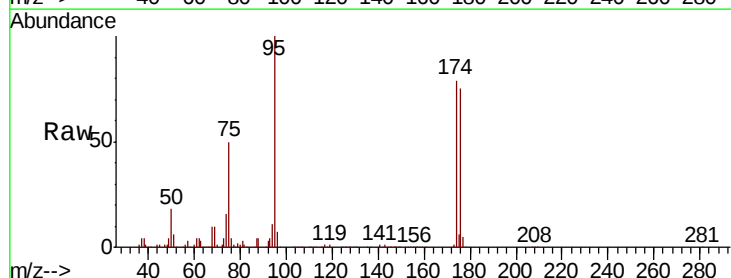
Acq: 13 May 2020 12:27

Tgt Ion: 75 Resp: 115209

Ion Ratio Lower Upper

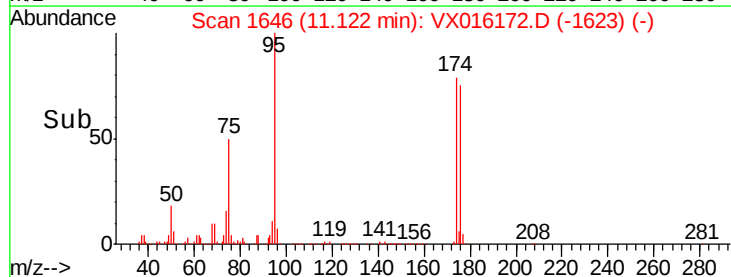
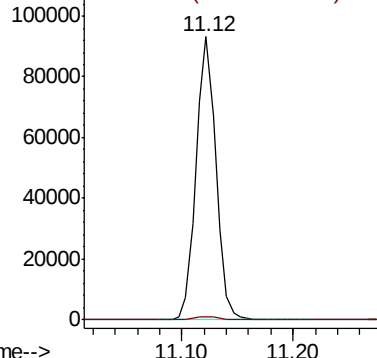
75 100

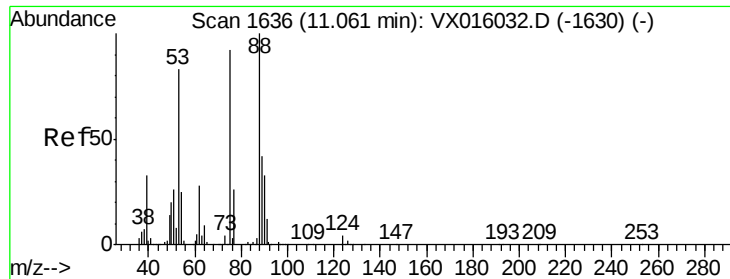
77 1.4 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.909 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016172.D

Acq: 13 May 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

SS052MW765-200511

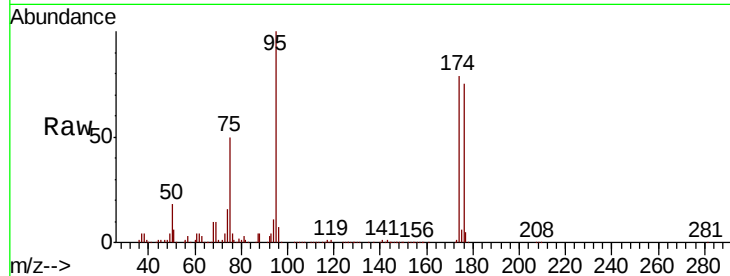
Tot Ion: 75 Resp: 115209

Ion Ratio Lower Upper

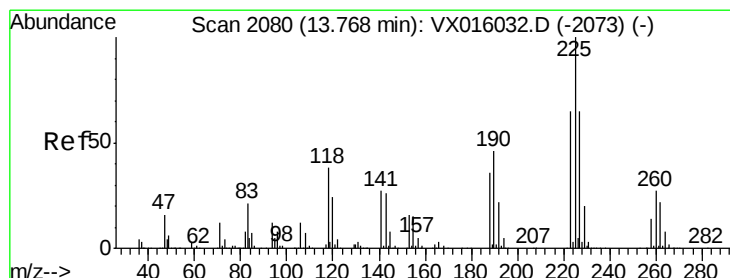
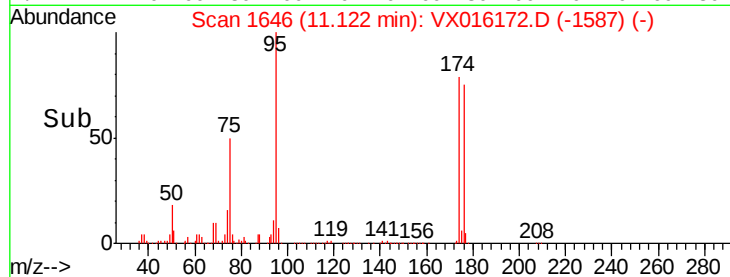
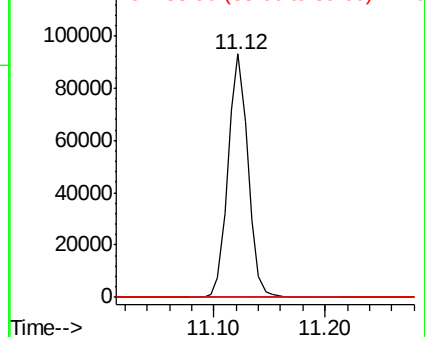
75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#94

Hexachlorobutadiene

Concen: 0.558 ug/l

RT: 13.76 min Scan# 2078

Delta R.T. -0.01 min

Lab File: VX016172.D

Acq: 13 May 2020 12:27

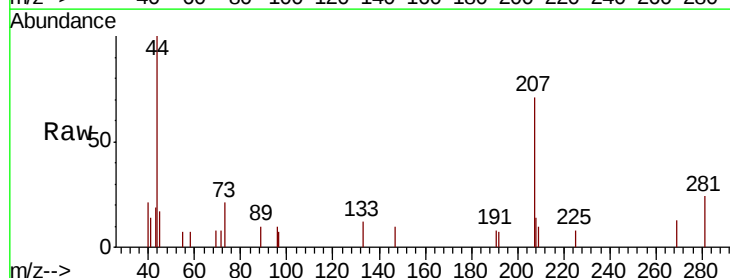
Tgt Ion: 225 Resp: 85

Ion Ratio Lower Upper

225 100

223 75.3 32.3 96.9

227 69.4 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

