

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\
 Data File : VX016184.D
 Acq On : 13 May 2020 16:59
 Operator : JC/SP
 Sample : L2626-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW766-200512

Quant Time: May 14 04:31:14 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	268562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	435334	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	440994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	223593	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	164093	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
35) Dibromofluoromethane	5.47	113	131007	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
50) Toluene-d8	8.70	98	543861	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	11.12	95	219935	54.41	ug/l	0.00
Spiked Amount			Recovery	=	108.82%	

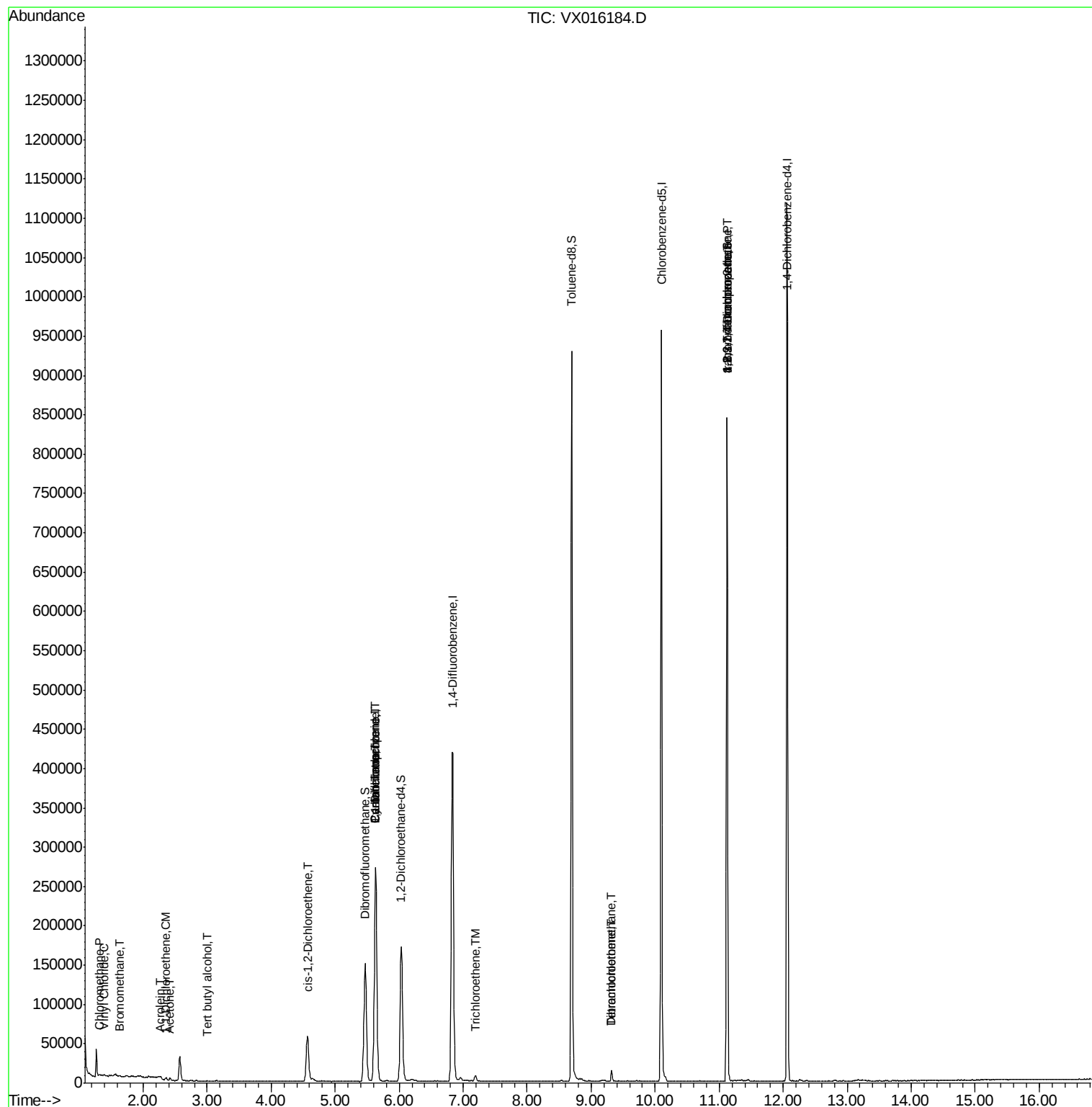
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	786	0.238	ug/l	95
4) Vinyl Chloride	1.40	62	725	0.206	ug/l	93
5) Bromomethane	1.64	94	403	0.227	ug/l #	72
11) Tert butyl alcohol	3.01	59	529	0.592	ug/l	95
12) 1,1-Dichloroethene	2.36	96	1586	0.568	ug/l #	71
13) Acrolein	2.27	56	315	0.563	ug/l	93
16) Acetone	2.42	43	3426	2.173	ug/l	94
17) Carbon Disulfide	2.55	76	920	Below Cal		99
27) cis-1,2-Dichloroethene	4.57	96	37412	11.000	ug/l	87
31) Cyclohexane	5.63	56	5063	1.031	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19596	4.573	ug/l #	49
38) Carbon Tetrachloride	5.63	117	25930	5.953	ug/l #	14
44) Trichloroethene	7.19	130	2235	0.502	ug/l	80
60) Dibromochloromethane	9.32	129	2457	0.726	ug/l #	11
64) Tetrachloroethene	9.32	164	2445	0.452	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.12	83	152	2.099	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	108023	21.290	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	108023	50.736	ug/l #	13

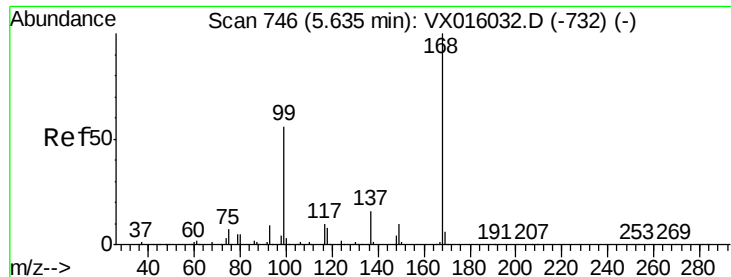
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VX016184.D

Acq: 13 May 2020 16:59

Instrument :

MSVOA_X

ClientSampleId :

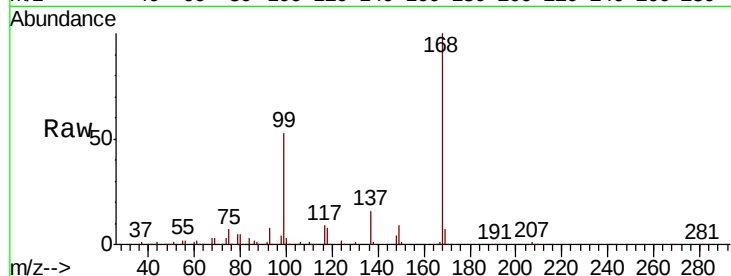
SS052MW766-200512

Tot Ion:168 Resp: 268562

Ion Ratio Lower Upper

168 100

99 52.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

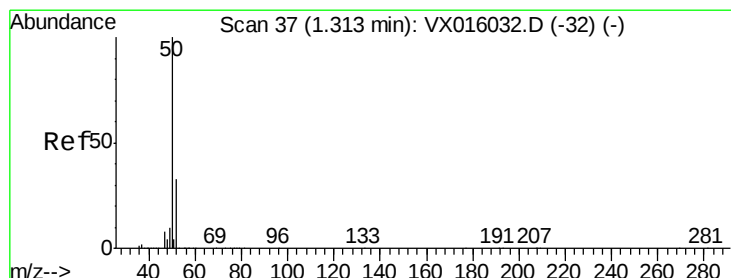
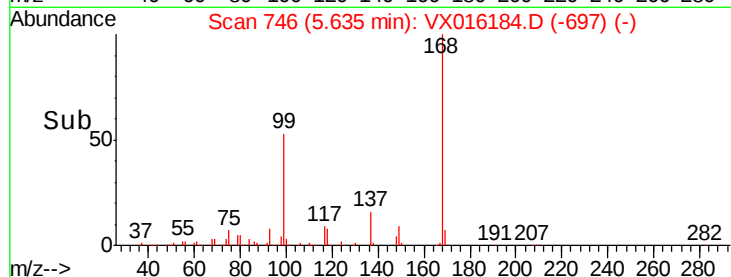
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.238 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016184.D

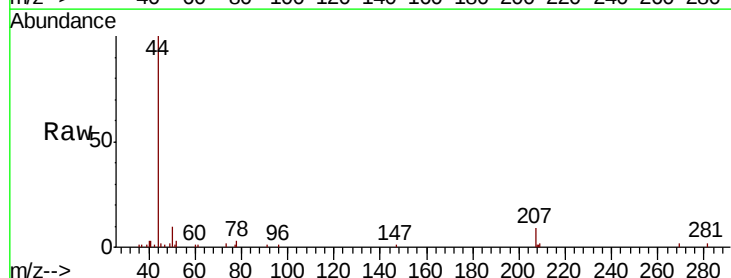
Acq: 13 May 2020 16:59

Tgt Ion: 50 Resp: 786

Ion Ratio Lower Upper

50 100

52 35.4 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

800

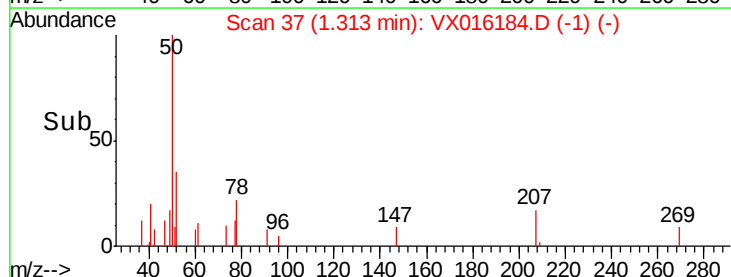
600

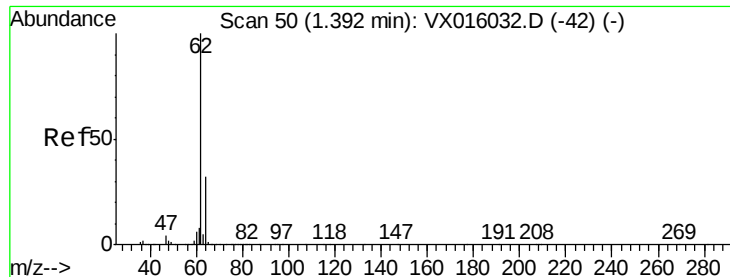
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.206 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX016184.D

Acq: 13 May 2020 16:59

Instrument :

MSVOA_X

ClientSampleId :

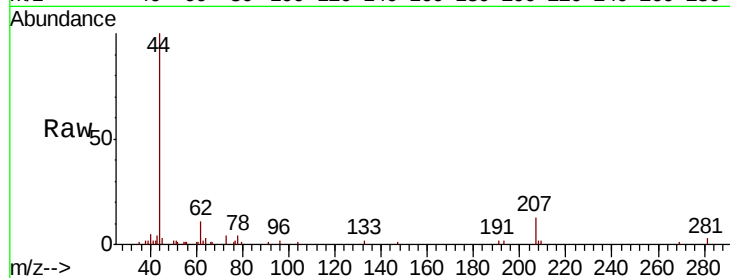
SS052MW766-200512

Tot Ion: 62 Resp: 725

Ion Ratio Lower Upper

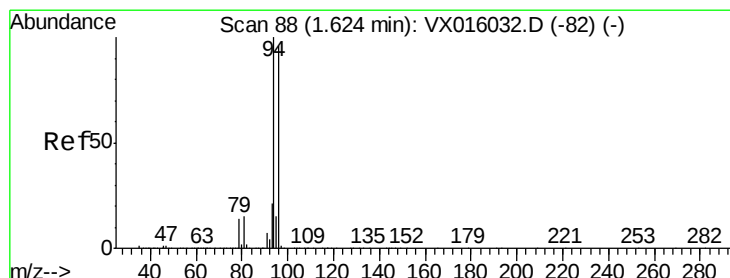
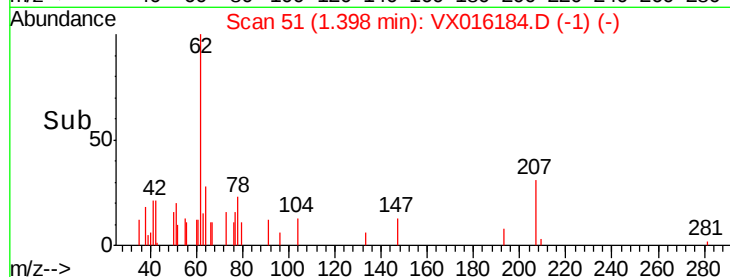
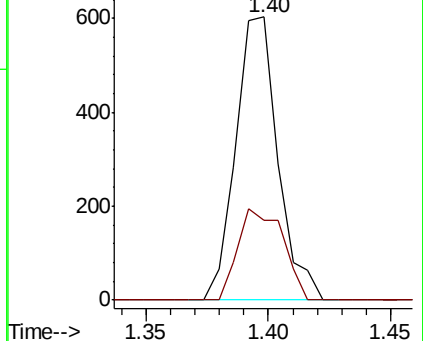
62 100

64 28.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.227 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016184.D

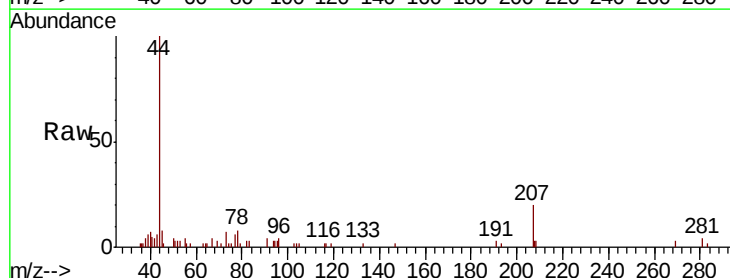
Acq: 13 May 2020 16:59

Tgt Ion: 94 Resp: 403

Ion Ratio Lower Upper

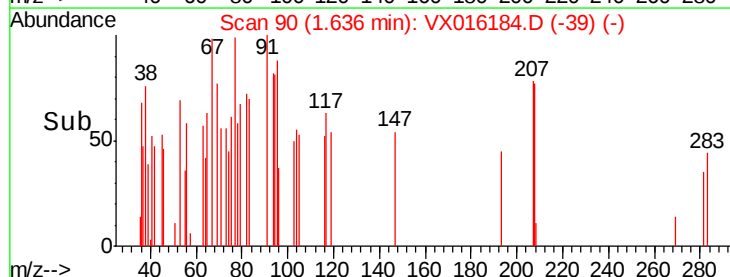
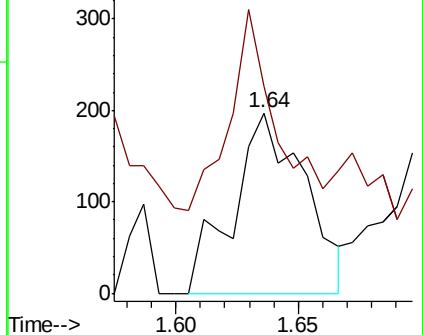
94 100

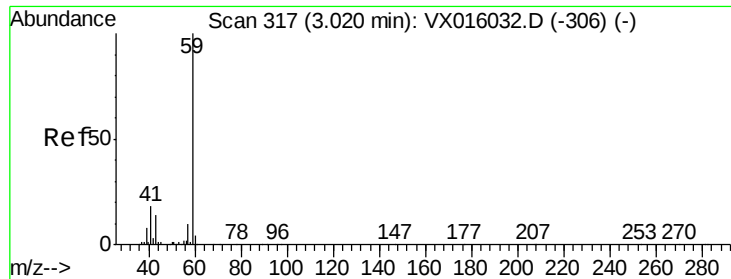
96 68.5 76.9 115.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



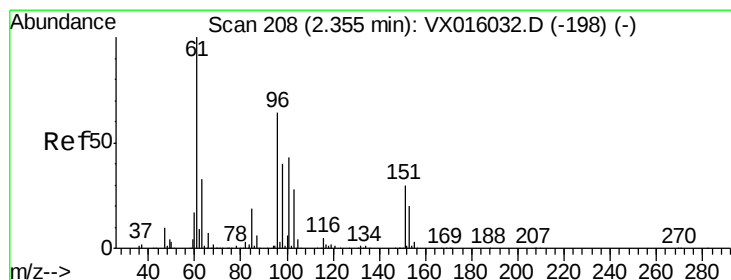
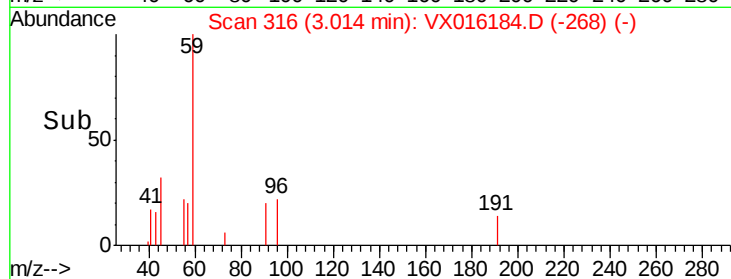
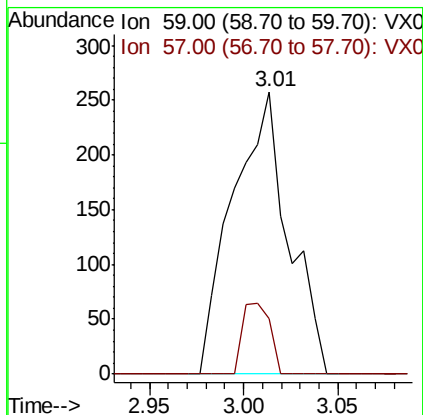
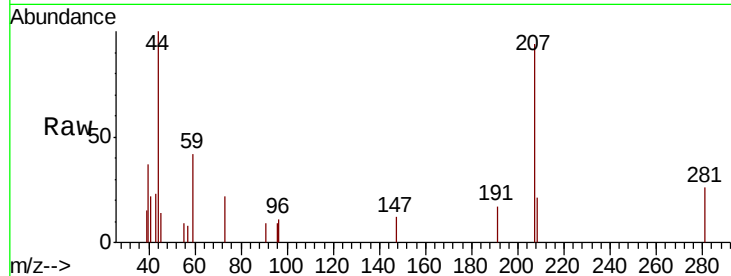


#11

Tert butyl alcohol
Concen: 0.592 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX016184.D
Acq: 13 May 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :
SS052MW766-200512

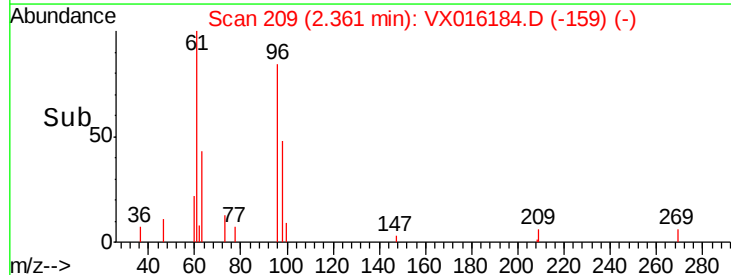
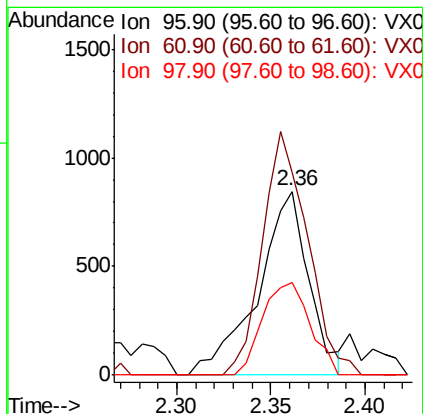
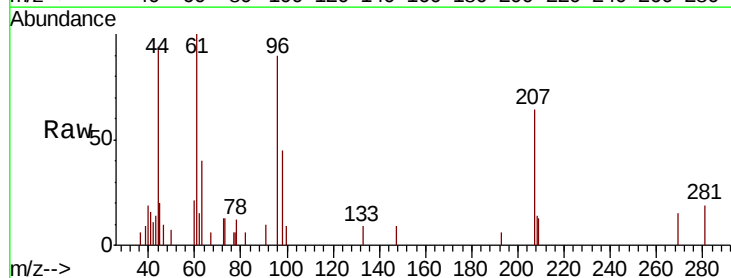
Tot Ion: 59 Resp: 529
Ion Ratio Lower Upper
59 100
57 12.3 8.2 12.4

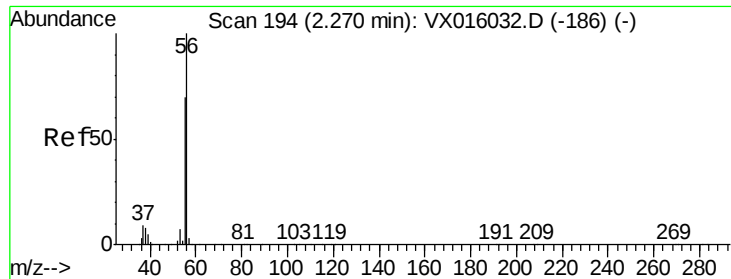


#12

1,1-Dichloroethene
Concen: 0.568 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX016184.D
Acq: 13 May 2020 16:59

Tgt Ion: 96 Resp: 1586
Ion Ratio Lower Upper
96 100
61 110.7 124.8 187.2#
98 50.1 49.7 74.5





#13

Acrolein

Concen: 0.563 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016184.D

Acq: 13 May 2020 16:59

Instrument :

MSVOA_X

ClientSampleId :

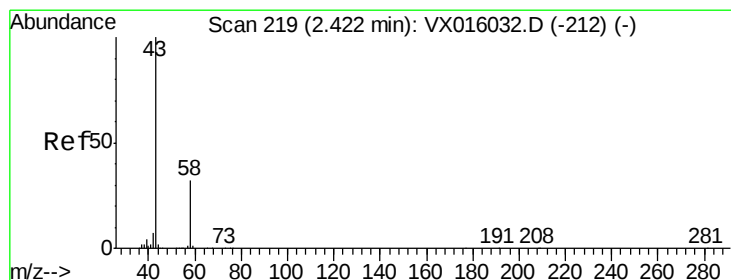
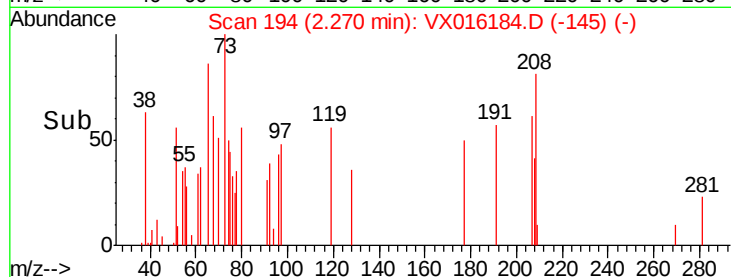
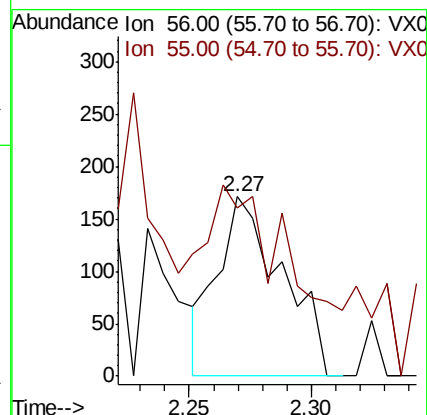
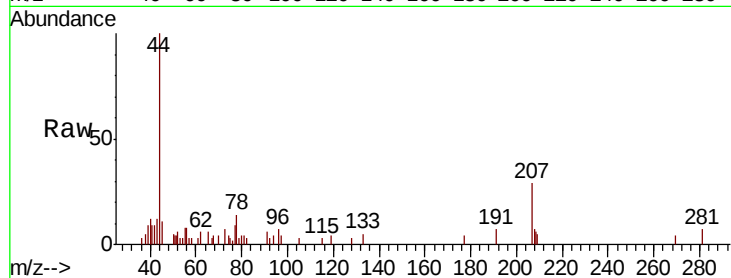
SS052MW766-200512

Tot Ion: 56 Resp: 315

Ion Ratio Lower Upper

56 100

55 76.2 56.5 84.7



#16

Acetone

Concen: 2.173 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016184.D

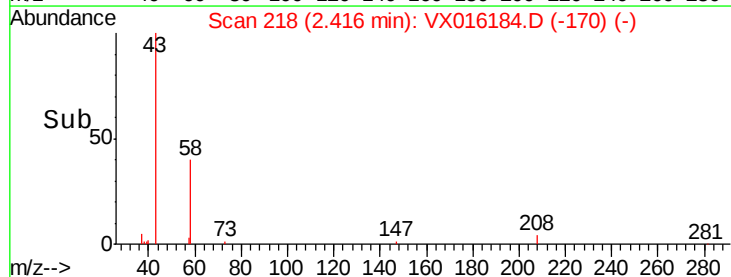
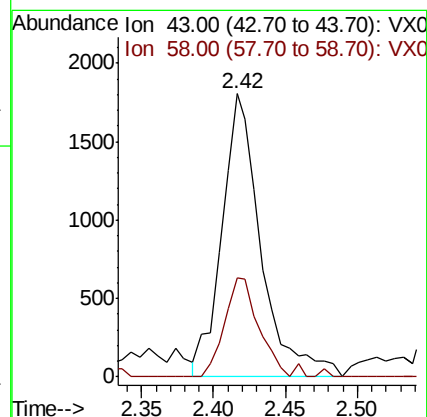
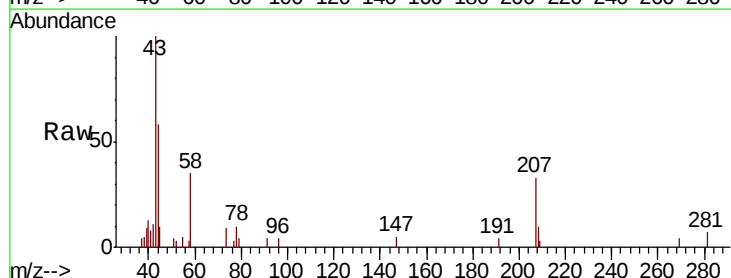
Acq: 13 May 2020 16:59

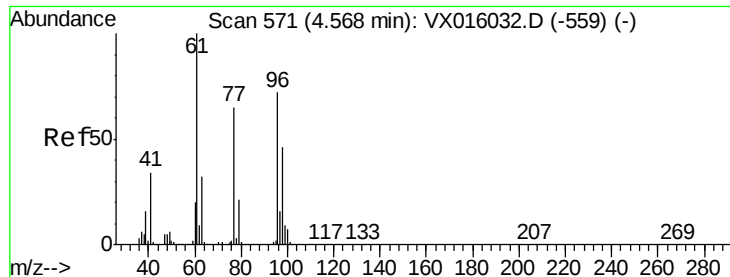
Tgt Ion: 43 Resp: 3426

Ion Ratio Lower Upper

43 100

58 35.1 25.4 38.0



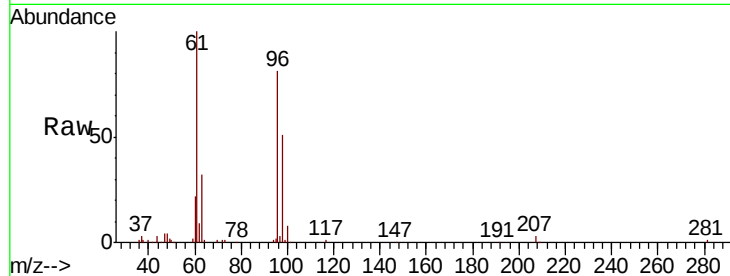


#27

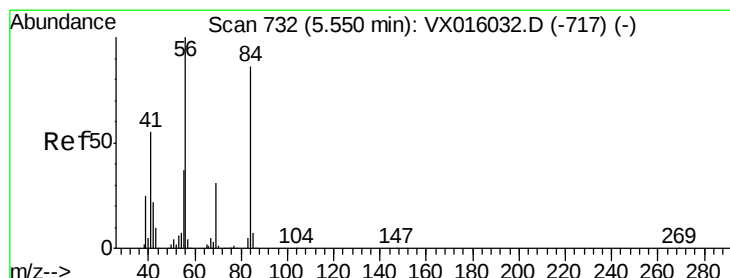
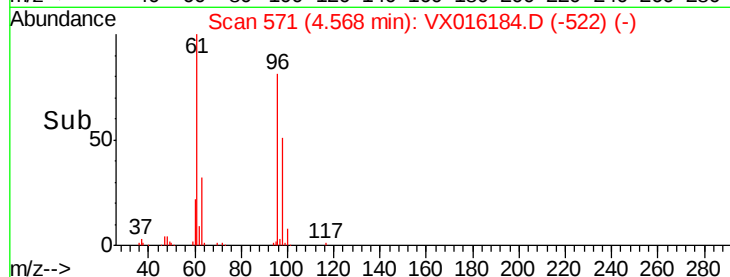
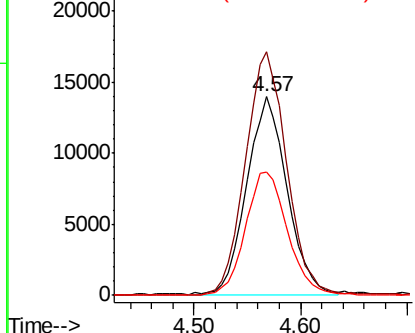
cis-1,2-Dichloroethene
Concen: 11.000 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016184.D
Acq: 13 May 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :
SS052MW766-200512

Tot Ion: 96 Resp: 37412
Ion Ratio Lower Upper
96 100
61 125.1 0.0 296.2
98 64.2 0.0 129.4



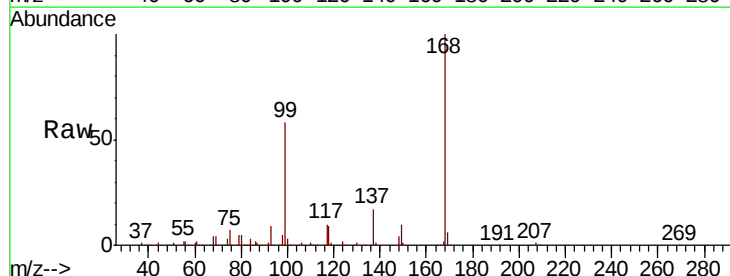
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



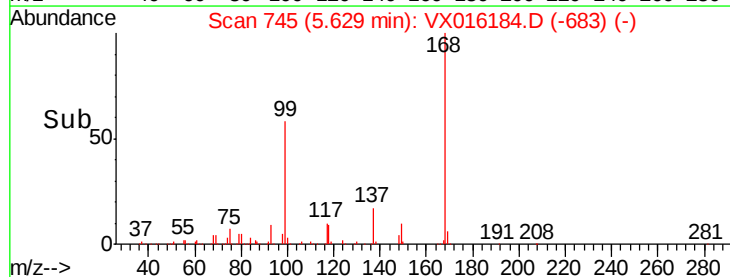
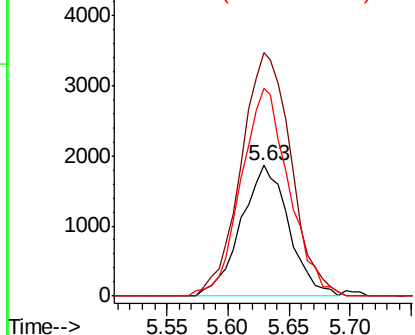
#31

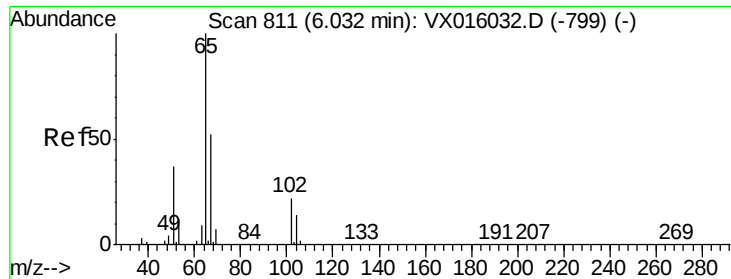
Cyclohexane
Concen: 1.031 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016184.D
Acq: 13 May 2020 16:59

Tgt Ion: 56 Resp: 5063
Ion Ratio Lower Upper
56 100
69 186.4 25.0 37.6#
84 159.5 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: 46.433 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016184.D

Acq: 13 May 2020 16:59

Instrument :

MSVOA_X

ClientSampleId :

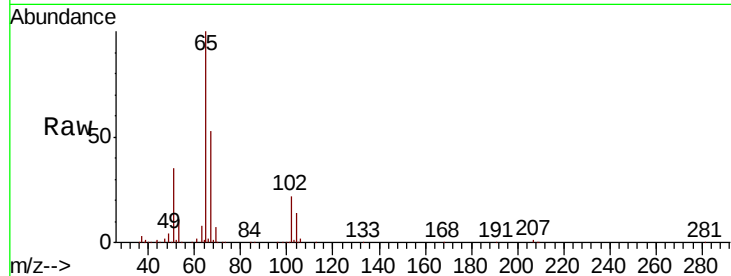
SS052MW766-200512

Tot Ion: 65 Resp: 164093

Ion Ratio Lower Upper

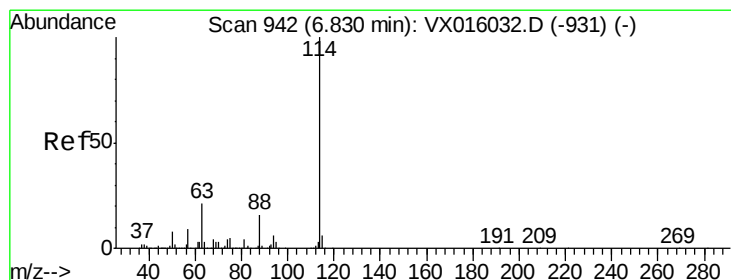
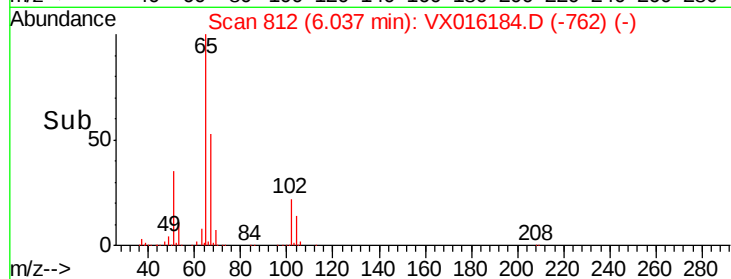
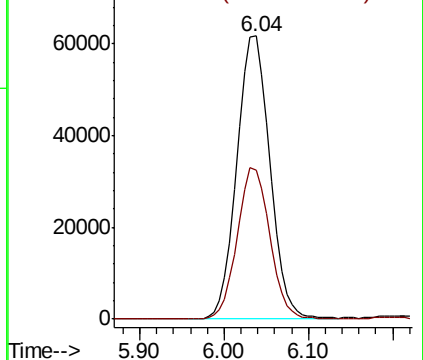
65 100

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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016184.D

Acq: 13 May 2020 16:59

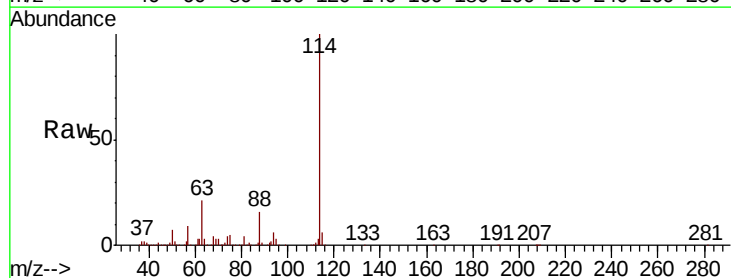
Tgt Ion: 114 Resp: 435334

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.8

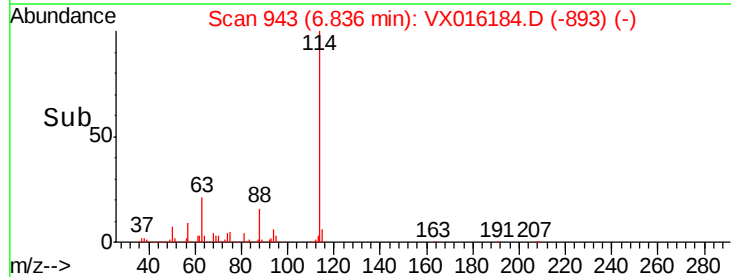
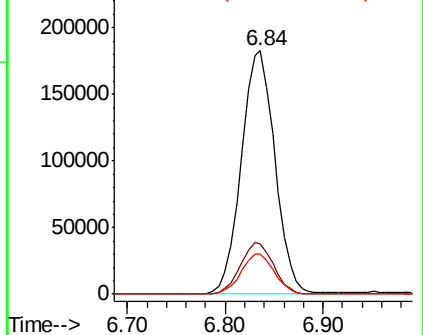
88 16.2 0.0 31.4

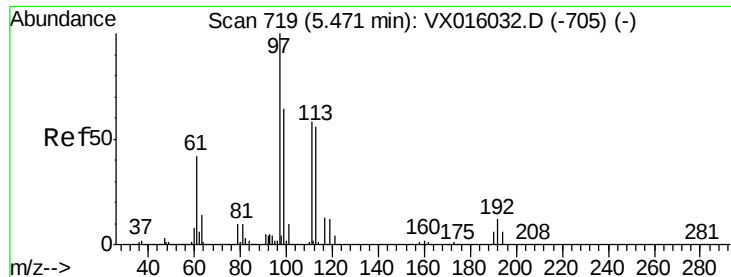


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.500 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016184.D

Acq: 13 May 2020 16:59

Instrument :

MSVOA_X

ClientSampleId :

SS052MW766-200512

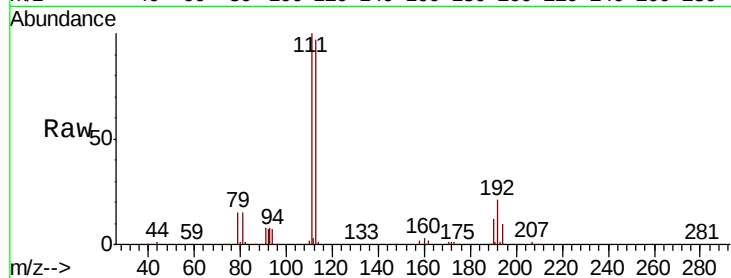
Tot Ion:113 Resp: 131007

Ion Ratio Lower Upper

113 100

111 102.7 81.6 122.4

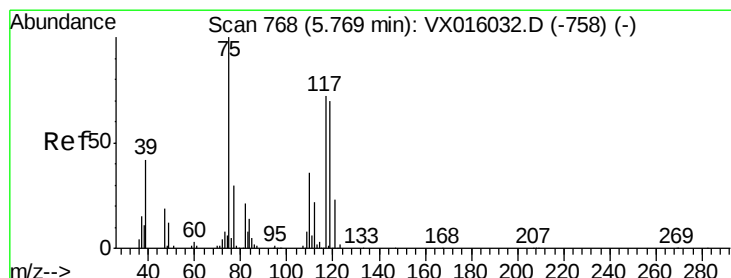
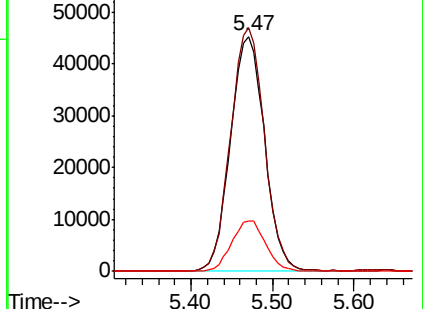
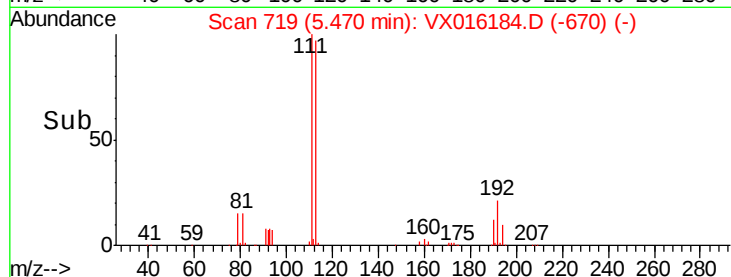
192 21.6 17.0 25.4



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: 4.573 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016184.D

Acq: 13 May 2020 16:59

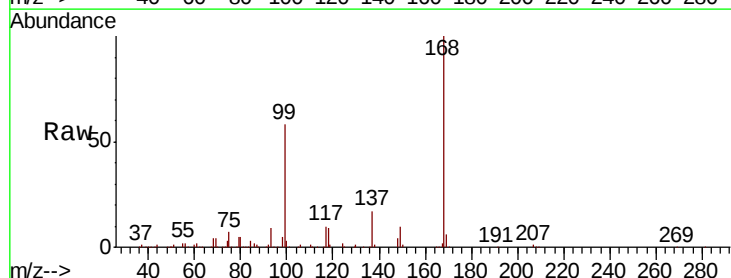
Tgt Ion: 75 Resp: 19596

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.1#

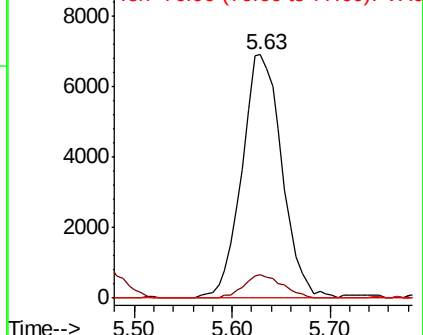
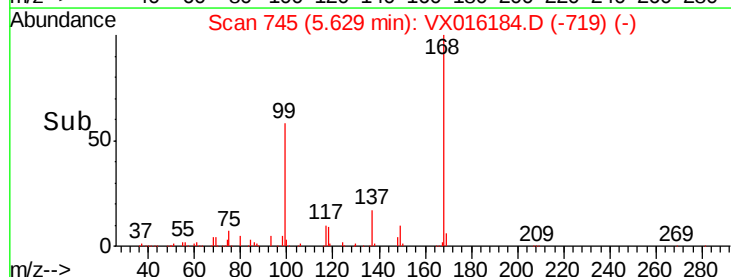
77 0.0 25.0 37.6#

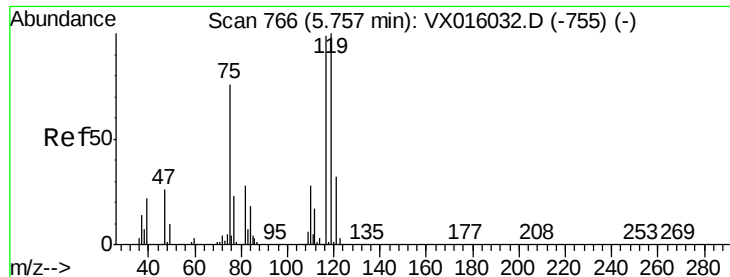


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.953 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016184.D

Acq: 13 May 2020 16:59

Instrument :

MSVOA_X

ClientSampleId :

SS052MW766-200512

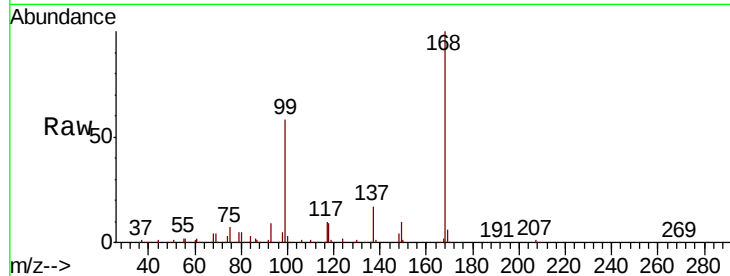
Tot Ion:117 Resp: 25930

Ion Ratio Lower Upper

117 100

119 5.4 80.3 120.5#

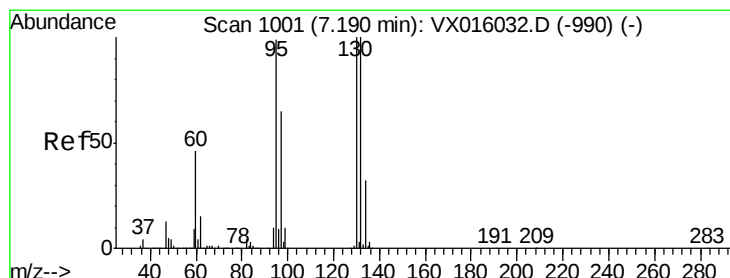
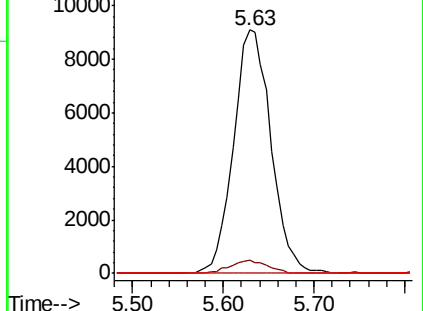
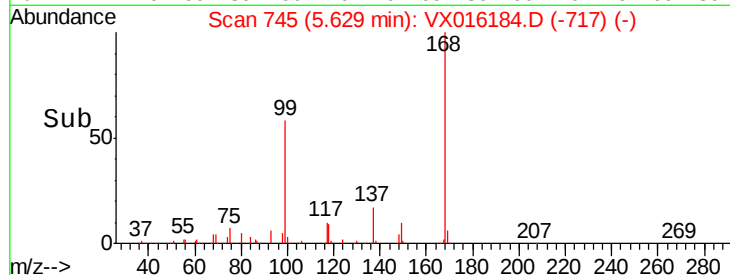
121 0.0 25.7 38.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.502 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016184.D

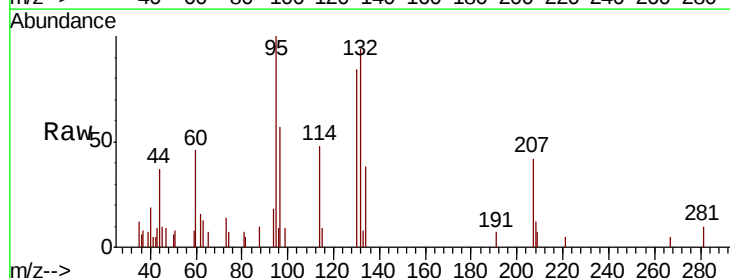
Acq: 13 May 2020 16:59

Tgt Ion:130 Resp: 2235

Ion Ratio Lower Upper

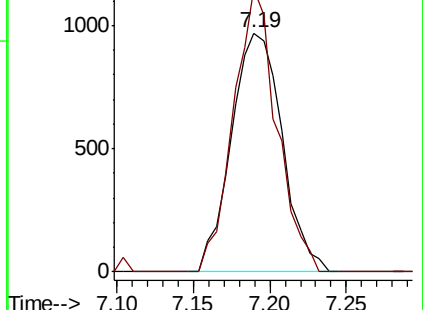
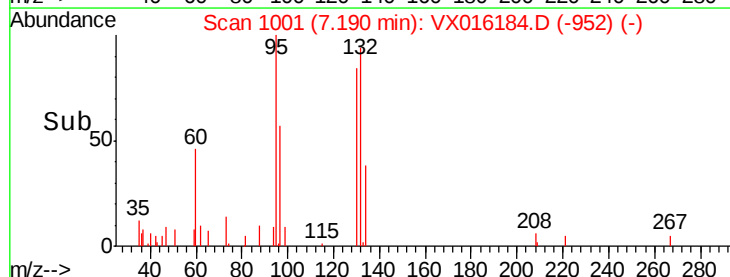
130 100

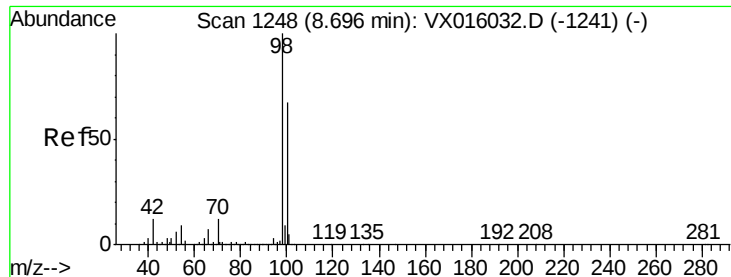
95 118.6 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.178 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016184.D

Acq: 13 May 2020 16:59

Instrument :

MSVOA_X

ClientSampleId :

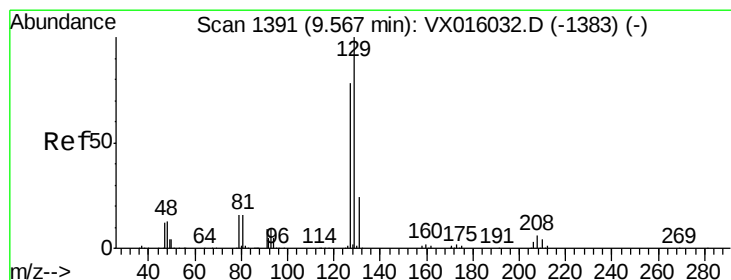
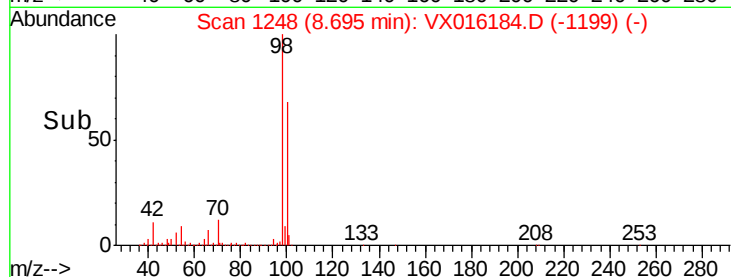
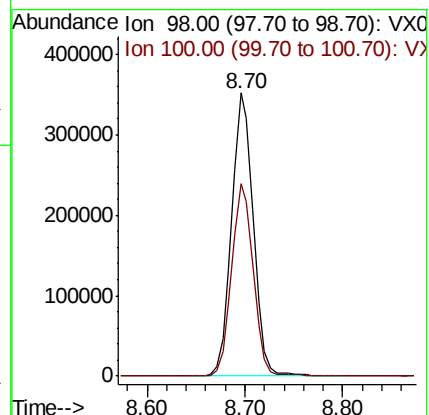
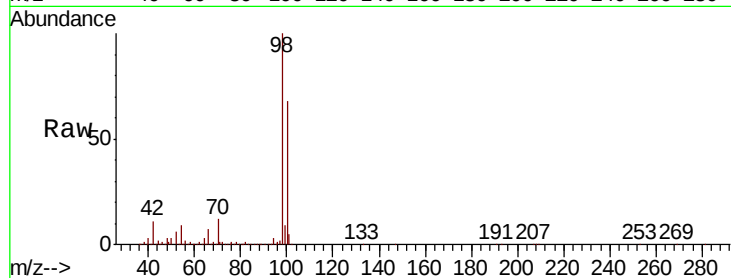
SS052MW766-200512

Tot Ion: 98 Resp: 543861

Ion Ratio Lower Upper

98 100

100 67.8 53.7 80.5



#60

Dibromochloromethane

Concen: 0.726 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016184.D

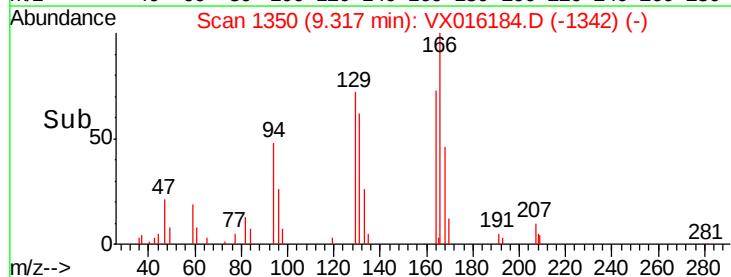
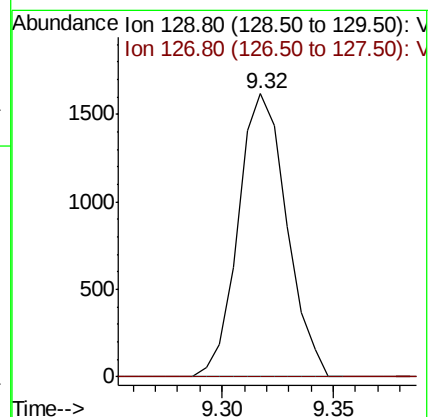
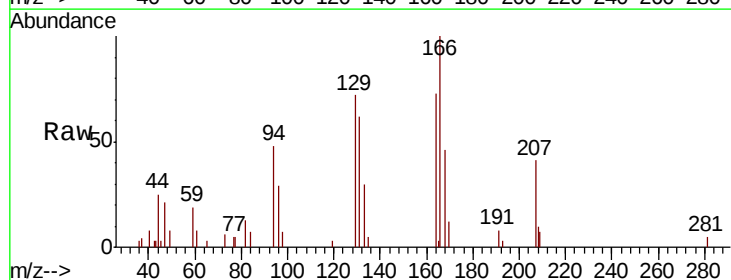
Acq: 13 May 2020 16:59

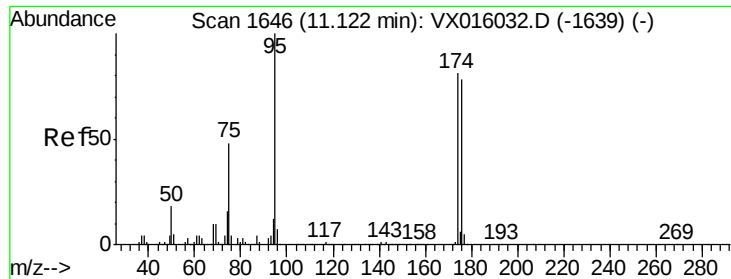
Tgt Ion: 129 Resp: 2457

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 54.413 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016184.D

Acq: 13 May 2020 16:59

Instrument :

MSVOA_X

ClientSampleId :

SS052MW766-200512

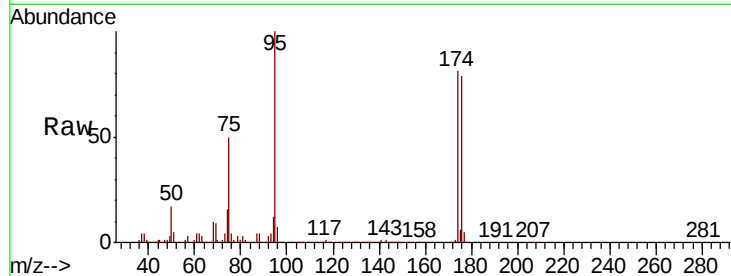
Tot Ion: 95 Resp: 219935

Ion Ratio Lower Upper

95 100

174 80.9 0.0 159.4

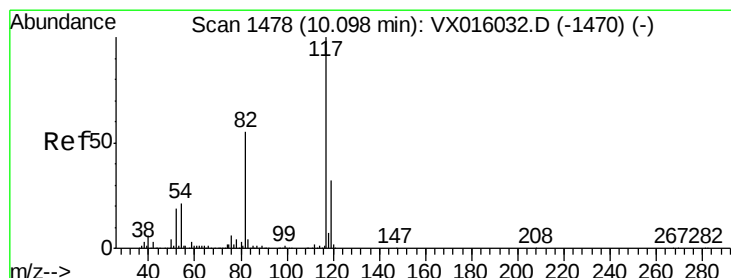
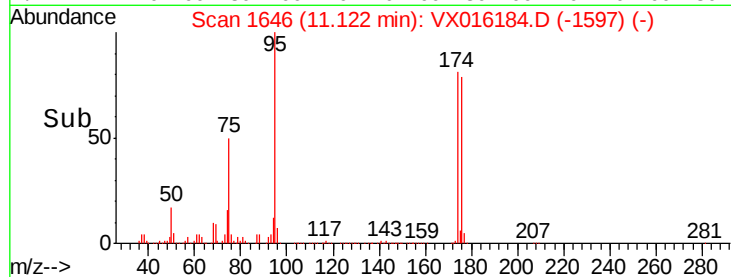
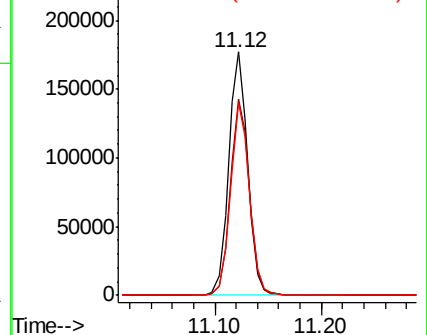
176 78.8 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016184.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016184.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016184.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016184.D

Acq: 13 May 2020 16:59

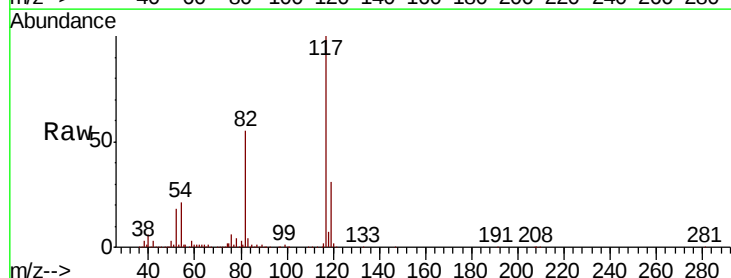
Tgt Ion: 117 Resp: 440994

Ion Ratio Lower Upper

117 100

82 55.1 44.4 66.6

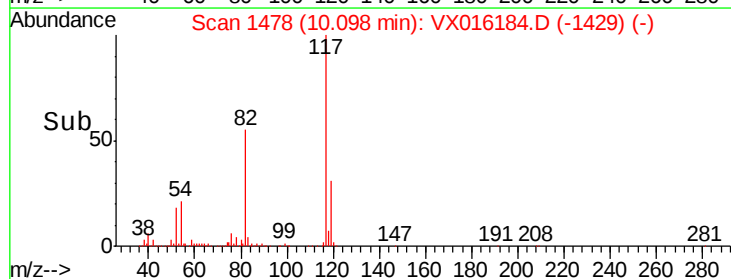
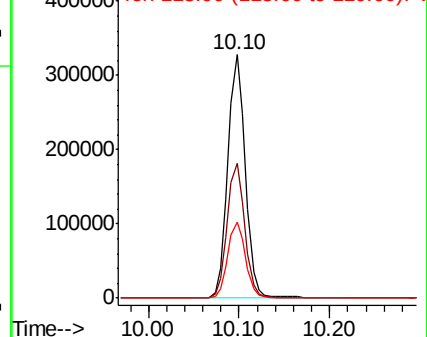
119 31.0 25.5 38.3

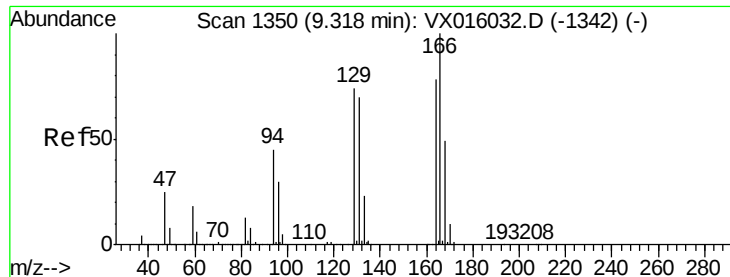


Abundance Ion 116.90 (116.60 to 117.60): VX016184.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016184.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016184.D (-1429) (-)





#64

Tetrachloroethene

Concen: 0.452 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016184.D

Acq: 13 May 2020 16:59

Instrument :

MSVOA_X

ClientSampleId :

SS052MW766-200512

Tot Ion:164 Resp: 2445

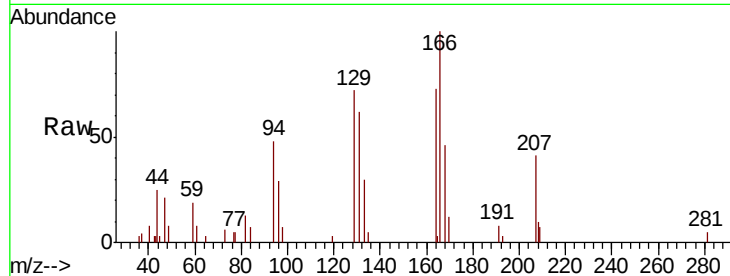
Ion Ratio Lower Upper

164 100

166 136.6 102.9 154.3

129 98.3 76.1 114.1

131 84.9 71.9 107.9

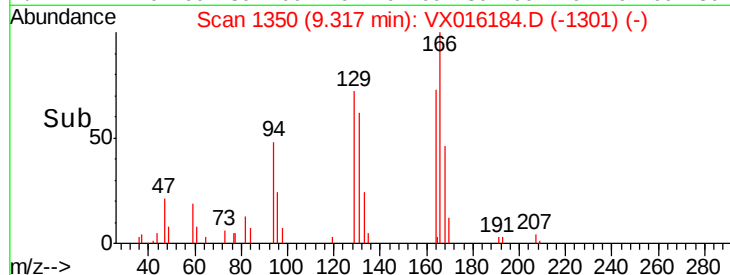


Abundance Ion 163.80 (163.50 to 164.50): V

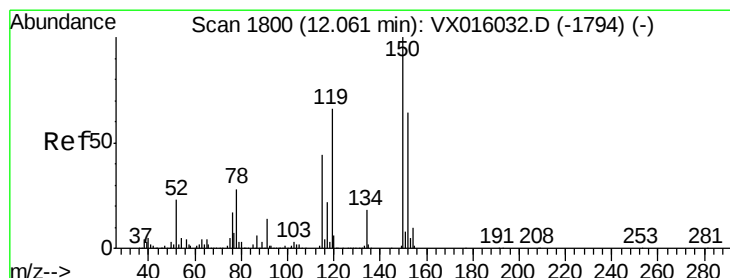
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016184.D

Acq: 13 May 2020 16:59

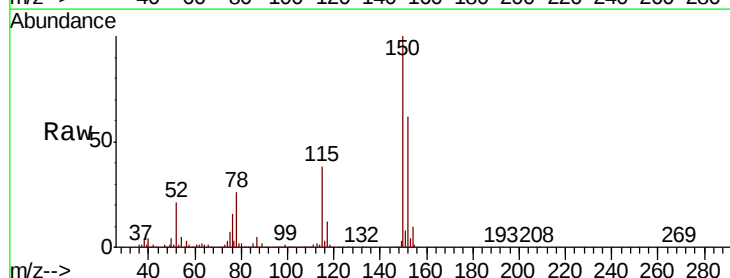
Tgt Ion:152 Resp: 223593

Ion Ratio Lower Upper

152 100

115 59.6 41.3 124.1

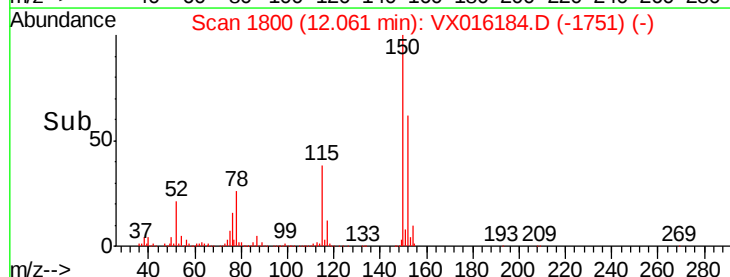
150 157.6 0.0 352.2



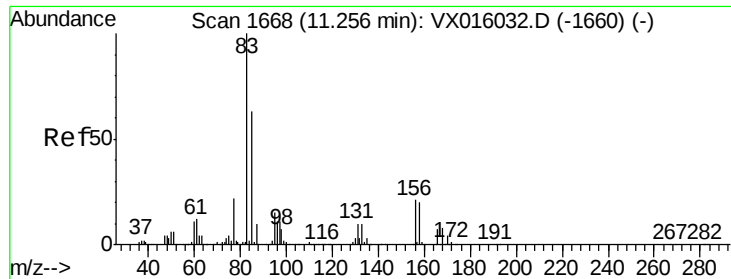
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 2.099 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.14 min

Lab File: VX016184.D

Acq: 13 May 2020 16:59

Instrument :

MSVOA_X

ClientSampleId :

SS052MW766-200512

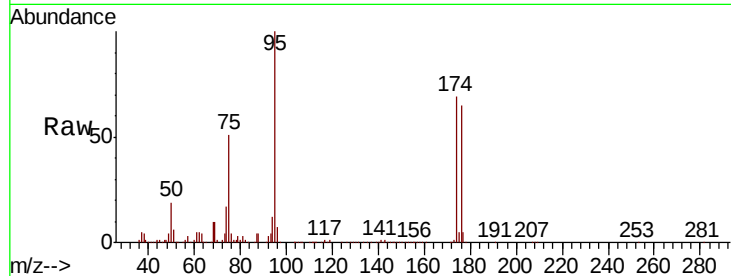
Tot Ion: 83 Resp: 152

Ion Ratio Lower Upper

83 100

131 184.9 5.1 15.4#

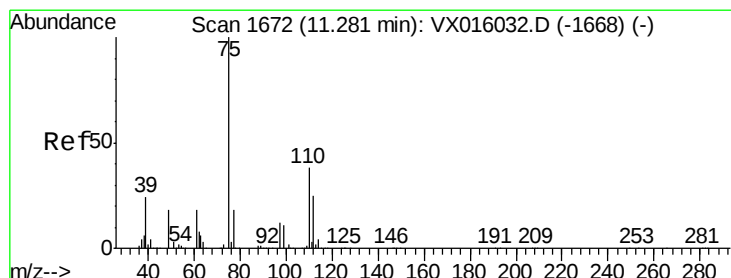
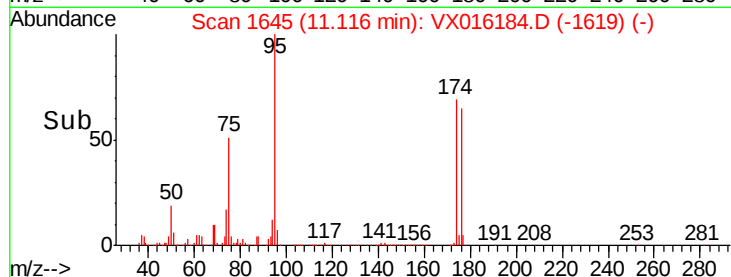
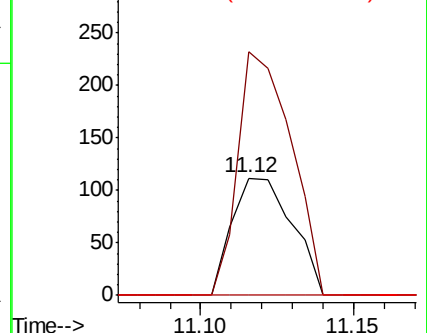
85 0.0 32.0 96.0#



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: 21.290 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016184.D

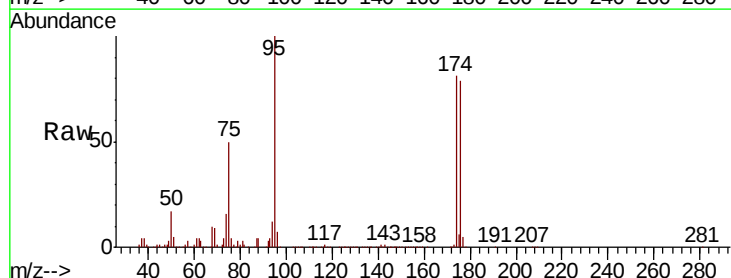
Acq: 13 May 2020 16:59

Tgt Ion: 75 Resp: 108023

Ion Ratio Lower Upper

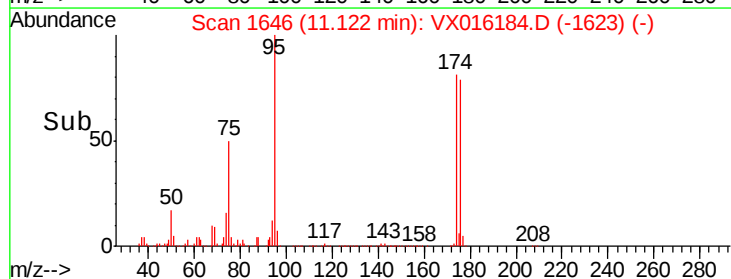
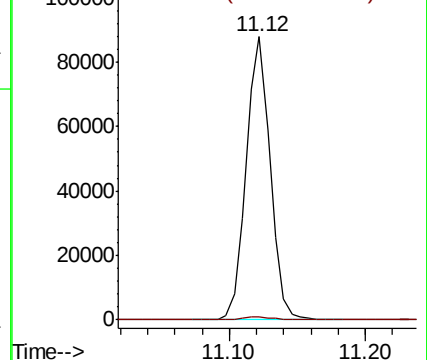
75 100

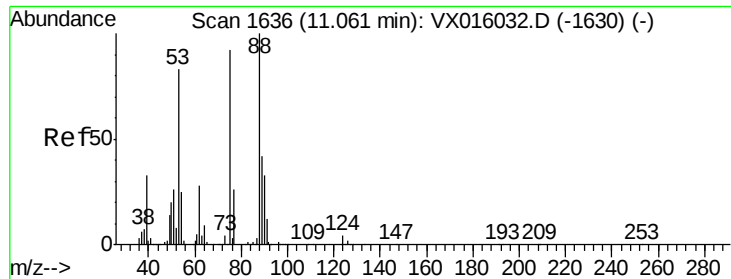
77 1.3 21.2 63.6#



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: 50.736 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016184.D
Acq: 13 May 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :
SS052MW766-200512

Tot Ion: 75 Resp: 108023
Ion Ratio Lower Upper
75 100
53 0.1 73.1 109.7#
89 0.0 36.7 55.1#

