

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051320\
 Data File : VX016178.D
 Acq On : 13 May 2020 14:43
 Operator : JC/SP
 Sample : L2597-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW764-200511

Quant Time: May 14 04:27:54 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	291758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	472989	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	466847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	239290	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	173241	45.12	ug/l	0.00
Spiked Amount			Recovery	=	90.24%	
35) Dibromofluoromethane	5.47	113	138375	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	
50) Toluene-d8	8.70	98	590757	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.12	95	232897	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	

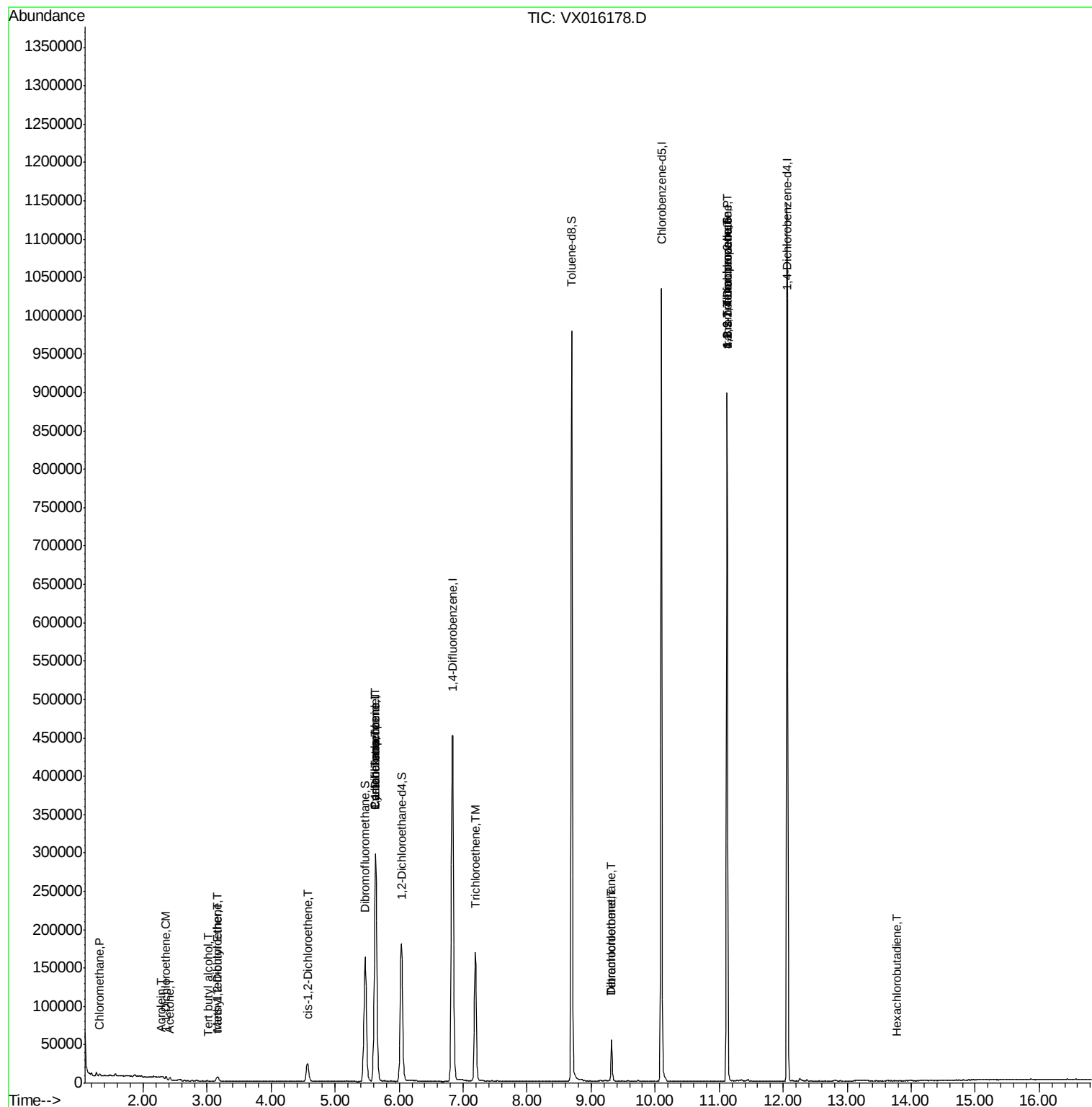
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1041	0.290	ug/l	92
11) Tert butyl alcohol	3.01	59	325	0.335	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	1818	0.599	ug/l	91
13) Acrolein	2.28	56	427	0.703	ug/l #	64
16) Acetone	2.42	43	3797	2.217	ug/l	97
17) Carbon Disulfide	2.55	76	1158	Below Cal	#	58
19) Methyl tert-butyl Ether	3.17	73	5452	0.521	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	1455	0.431	ug/l	94
27) cis-1,2-Dichloroethene	4.57	96	15566	4.213	ug/l	84
31) Cyclohexane	5.63	56	5358	1.005	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	21475	4.612	ug/l #	49
38) Carbon Tetrachloride	5.64	117	27188	5.745	ug/l #	14
44) Trichloroethene	7.19	130	64986	13.428	ug/l	94
60) Dibromochloromethane	9.32	129	9776	2.657	ug/l #	11
64) Tetrachloroethene	9.32	164	10206	1.781	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.12	83	185	2.106	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	115429	21.257	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	115429	50.658	ug/l #	13
94) Hexachlorobutadiene	13.77	225	19	0.531	ug/l #	18

(#) = 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: VX016178.D

Acq: 13 May 2020 14:43

Instrument :

MSVOA_X

ClientSampleId :

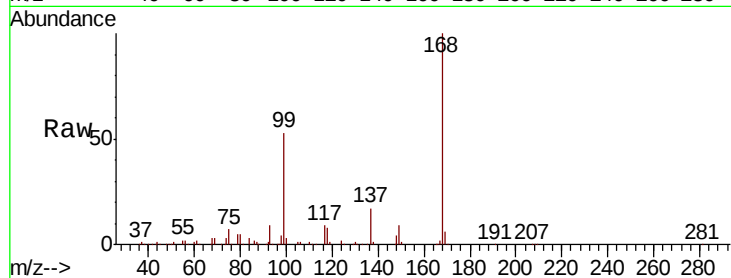
SS052MW764-200511

Tot Ion:168 Resp: 291758

Ion Ratio Lower Upper

168 100

99 53.4 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

120000

100000

80000

60000

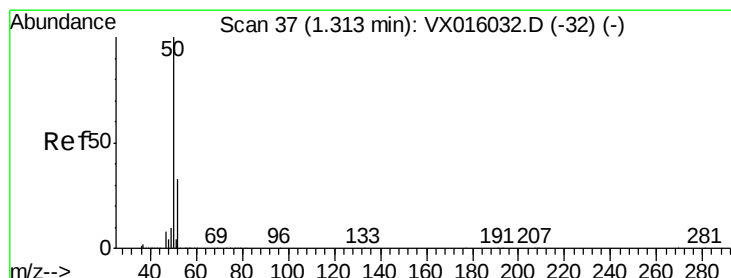
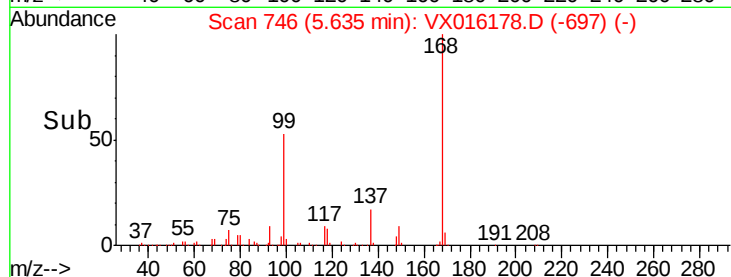
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.290 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016178.D

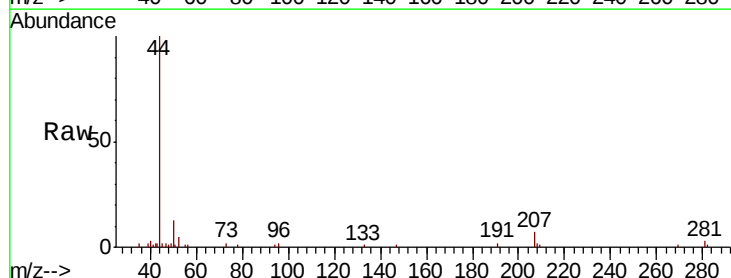
Acq: 13 May 2020 14:43

Tgt Ion: 50 Resp: 1041

Ion Ratio Lower Upper

50 100

52 37.1 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

1000

800

600

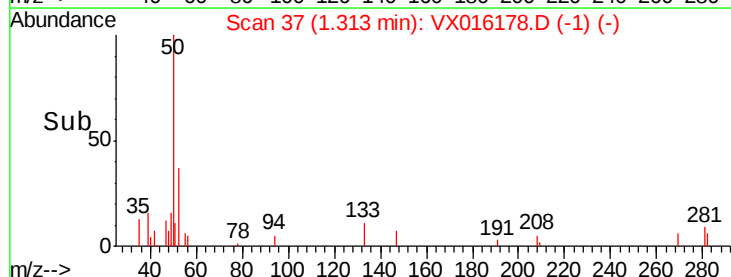
400

200

0

Time-->

1.30 1.35



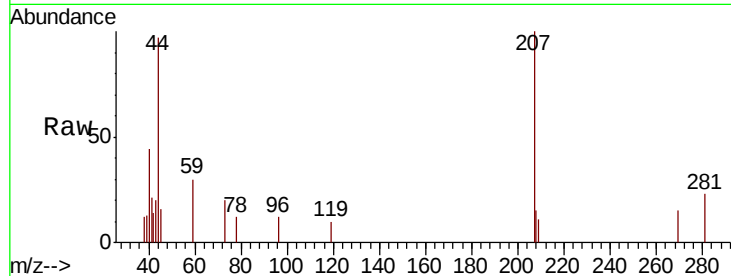


#11

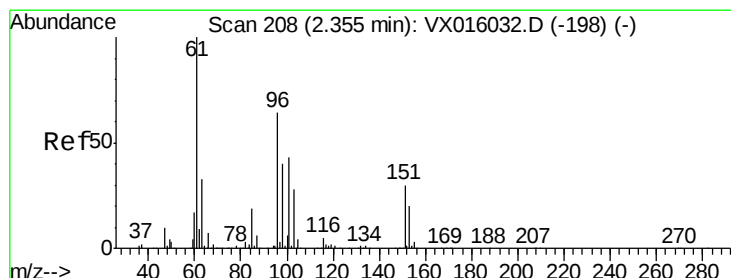
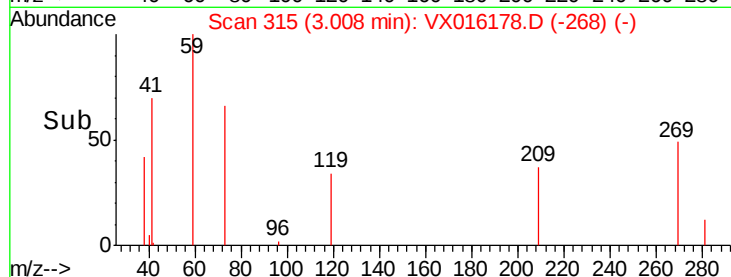
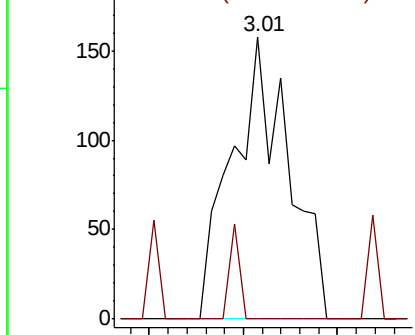
Tert butyl alcohol
 Concen: 0.335 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX016178.D
 Acq: 13 May 2020 14:43

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW764-200511

Tot Ion: 59 Resp: 325
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#



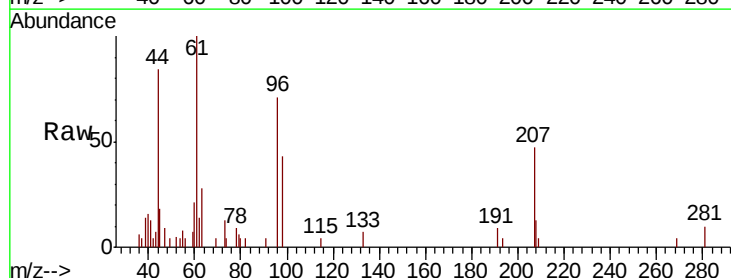
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



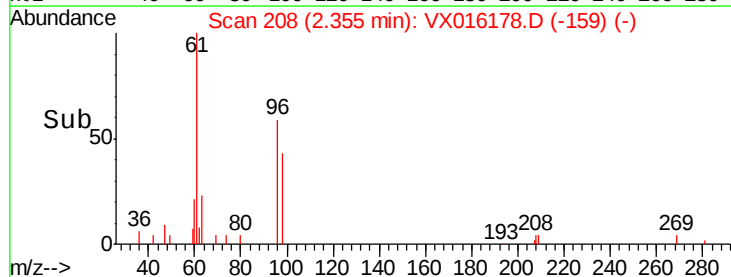
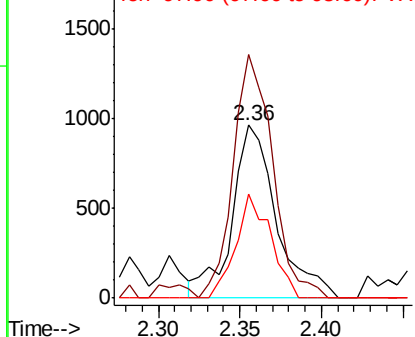
#12

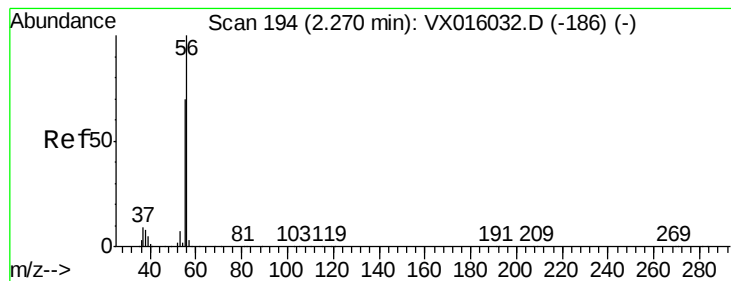
1,1-Dichloroethene
 Concen: 0.599 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016178.D
 Acq: 13 May 2020 14:43

Tgt Ion: 96 Resp: 1818
 Ion Ratio Lower Upper
 96 100
 61 140.6 124.8 187.2
 98 60.4 49.7 74.5



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





#13

Acrolein

Concen: 0.703 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016178.D

Acq: 13 May 2020 14:43

Instrument :

MSVOA_X

ClientSampleId :

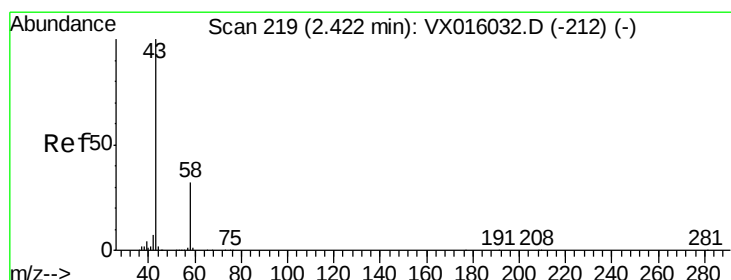
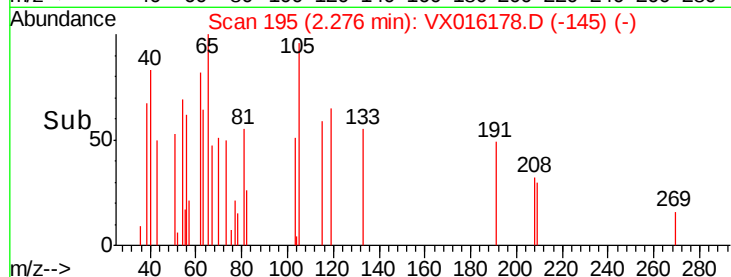
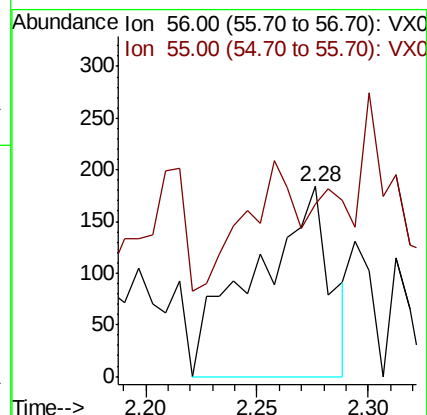
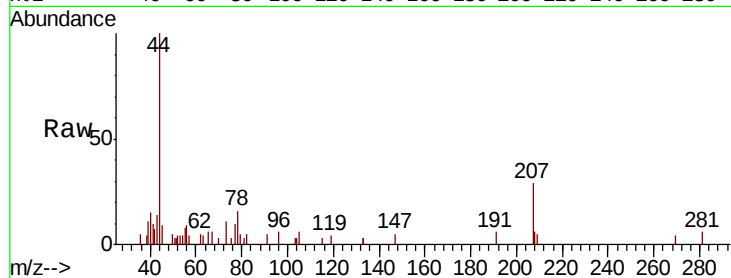
SS052MW764-200511

Tot Ion: 56 Resp: 427

Ion Ratio Lower Upper

56 100

55 41.0 56.5 84.7#



#16

Acetone

Concen: 2.217 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016178.D

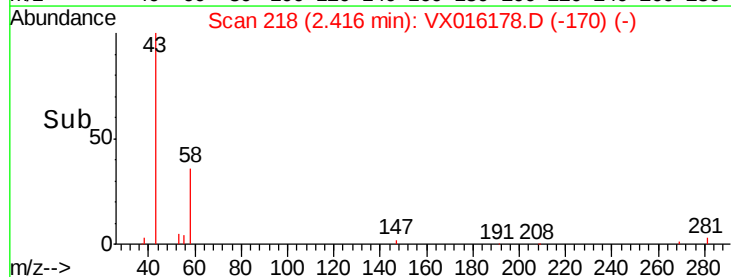
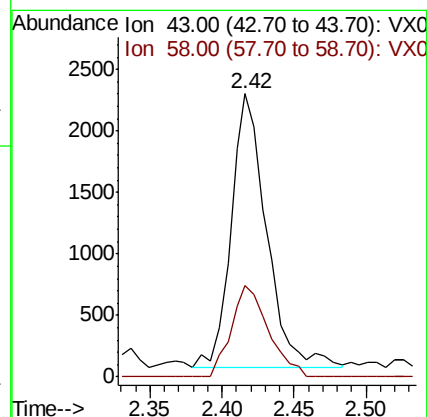
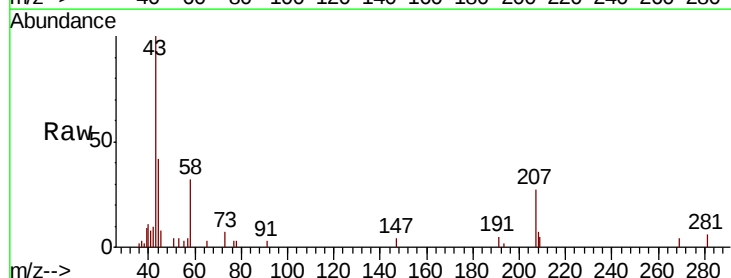
Acq: 13 May 2020 14:43

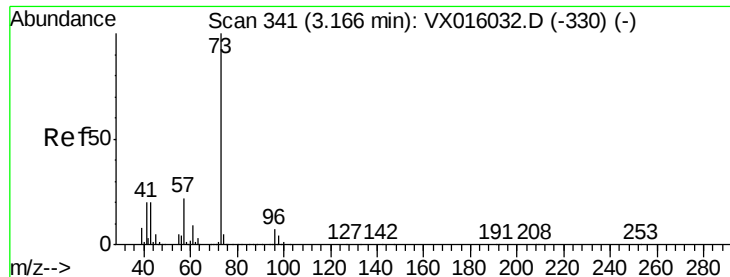
Tgt Ion: 43 Resp: 3797

Ion Ratio Lower Upper

43 100

58 33.6 25.4 38.0



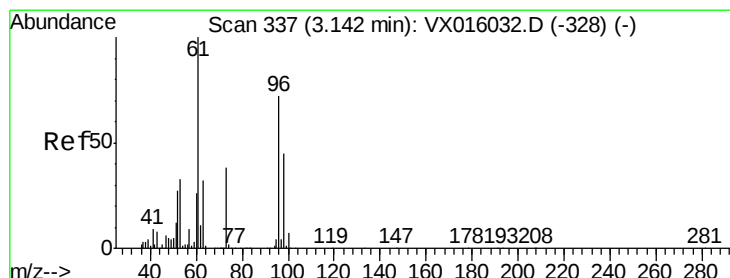
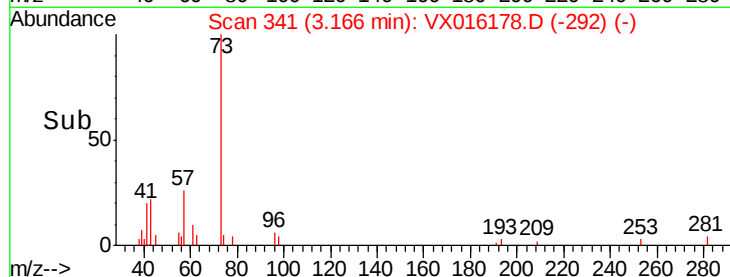
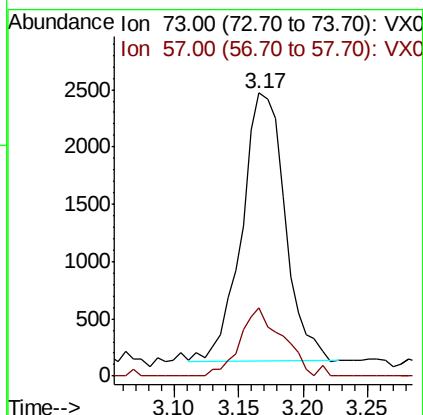
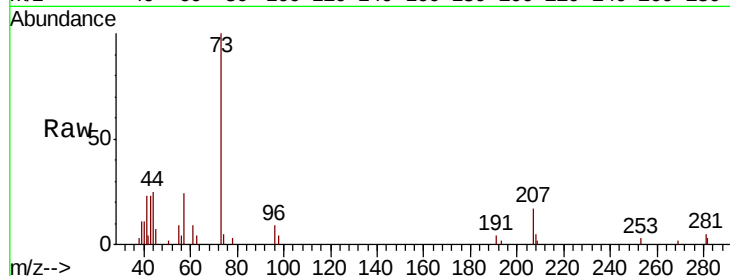


#19

Methyl tert-butyl Ether
 Concen: 0.521 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX016178.D
 Acq: 13 May 2020 14:43

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW764-200511

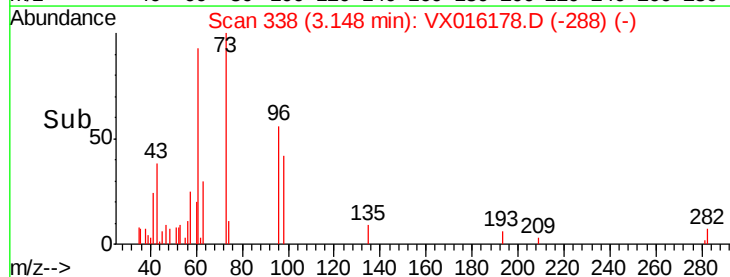
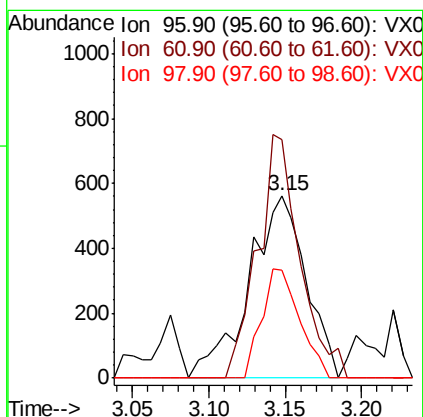
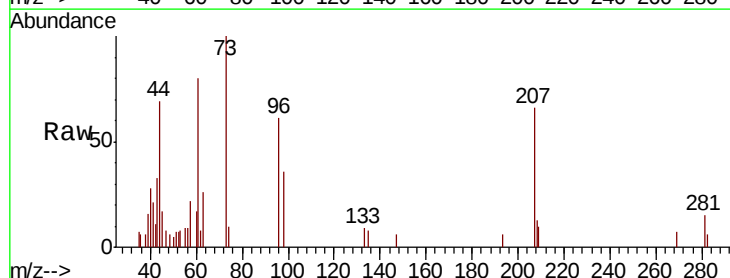
Tot Ion: 73 Resp: 5452
 Ion Ratio Lower Upper
 73 100
 57 25.7 17.8 26.6

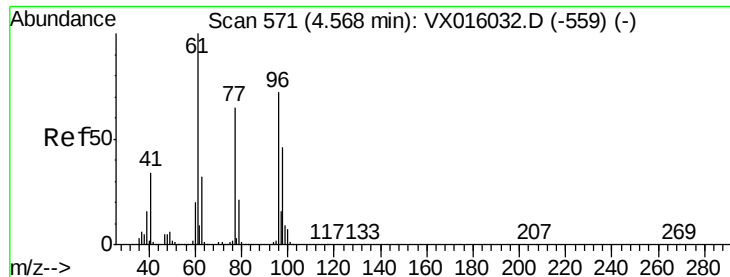


#21

trans-1,2-Dichloroethene
 Concen: 0.431 ug/l
 RT: 3.15 min Scan# 338
 Delta R.T. 0.01 min
 Lab File: VX016178.D
 Acq: 13 May 2020 14:43

Tgt Ion: 96 Resp: 1455
 Ion Ratio Lower Upper
 96 100
 61 130.8 111.2 166.8
 98 59.3 50.2 75.4





#27

cis-1,2-Dichloroethene

Concen: 4.213 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016178.D

Acq: 13 May 2020 14:43

Instrument :

MSVOA_X

ClientSampleId :

SS052MW764-200511

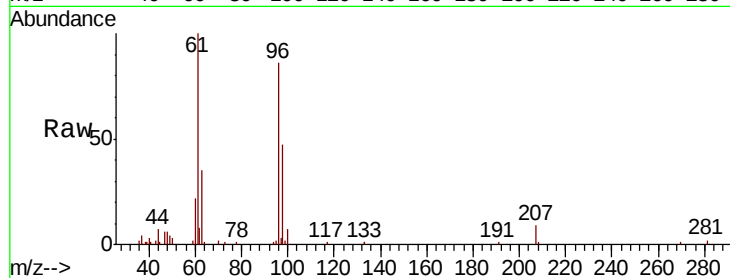
Tot Ion: 96 Resp: 15566

Ion Ratio Lower Upper

96 100

61 121.4 0.0 296.2

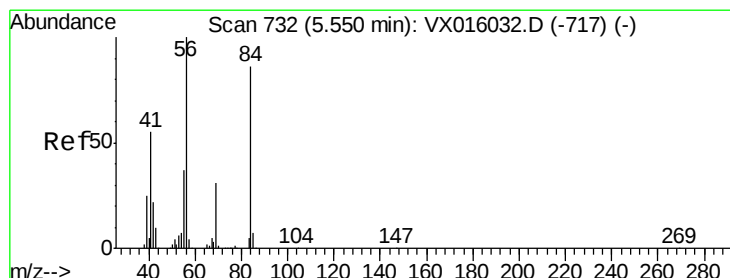
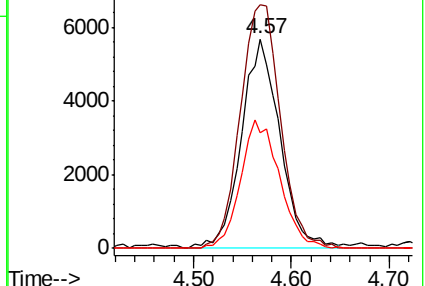
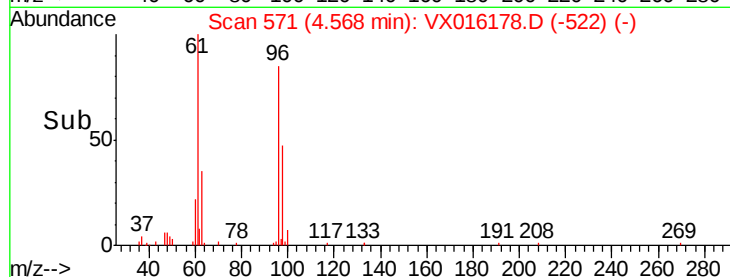
98 62.2 0.0 129.4



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: 1.005 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016178.D

Acq: 13 May 2020 14:43

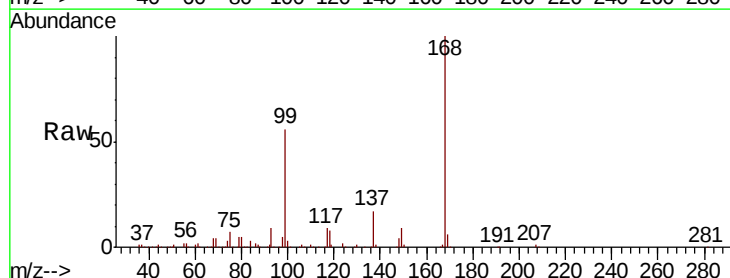
Tgt Ion: 56 Resp: 5358

Ion Ratio Lower Upper

56 100

69 182.7 25.0 37.6#

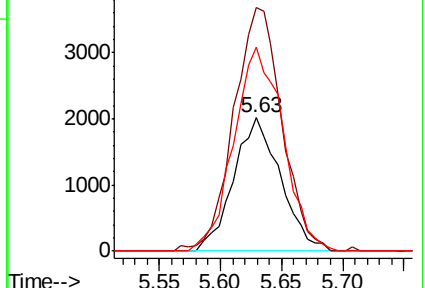
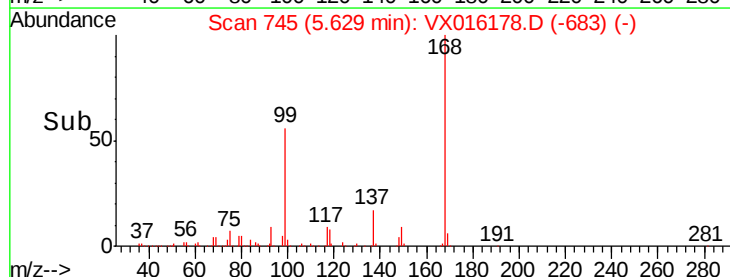
84 153.0 69.0 103.6#

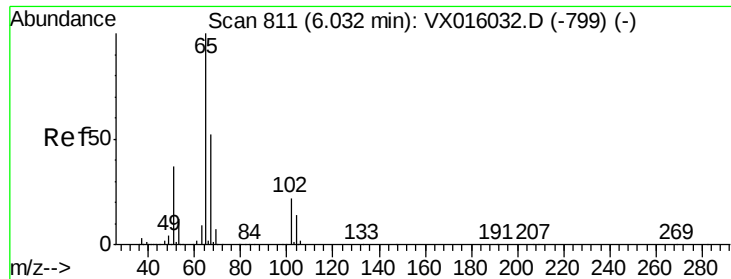


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.124 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016178.D

Acq: 13 May 2020 14:43

Instrument :

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ClientSampleId :

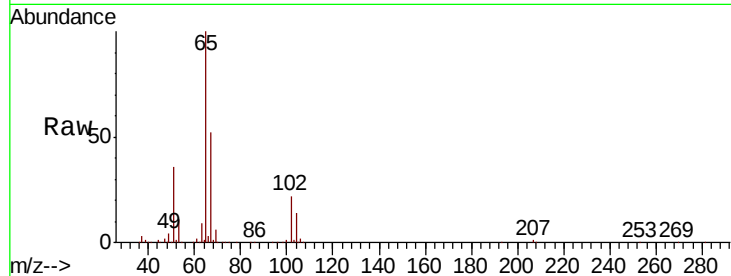
SS052MW764-200511

Tot Ion: 65 Resp: 173241

Ion Ratio Lower Upper

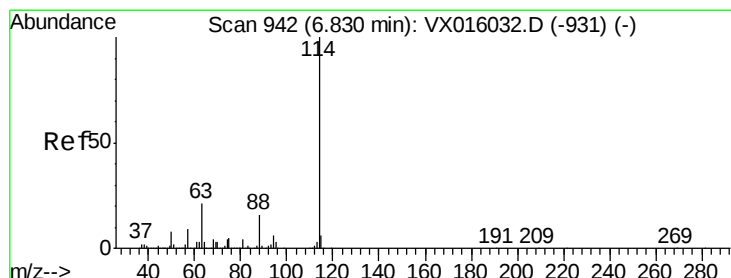
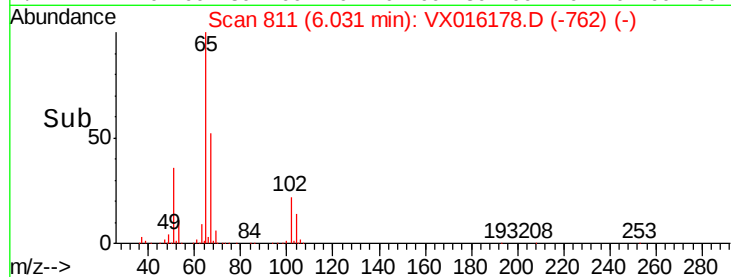
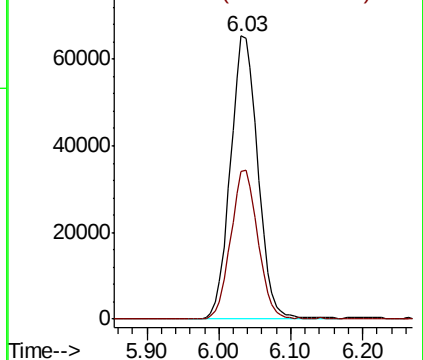
65 100

67 52.2 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: VX016178.D

Acq: 13 May 2020 14:43

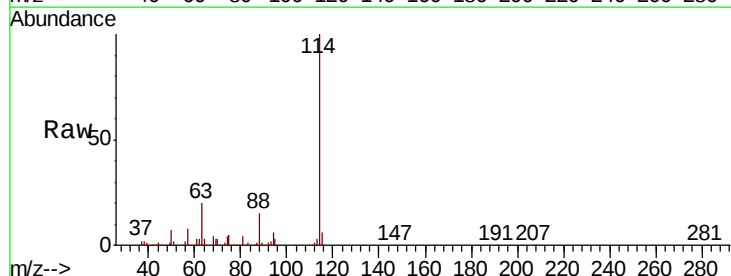
Tgt Ion: 114 Resp: 472989

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.8

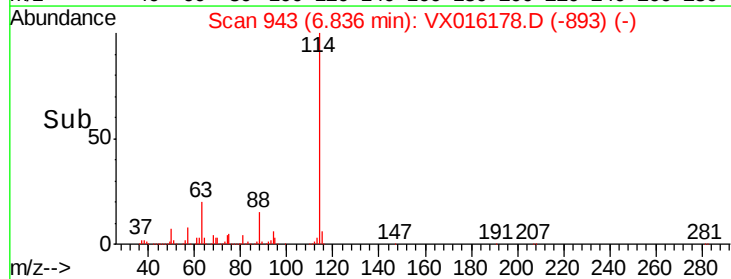
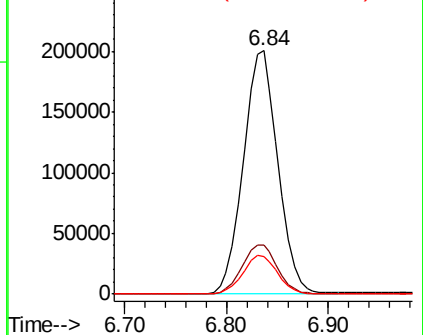
88 15.2 0.0 31.4

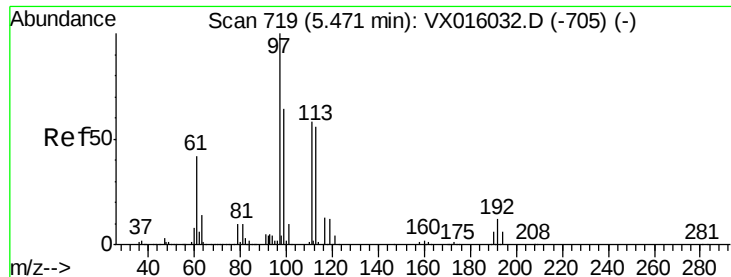


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

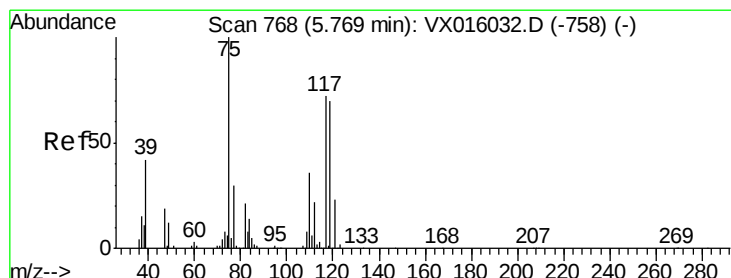
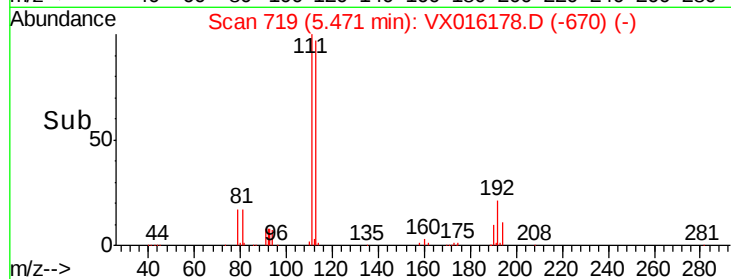
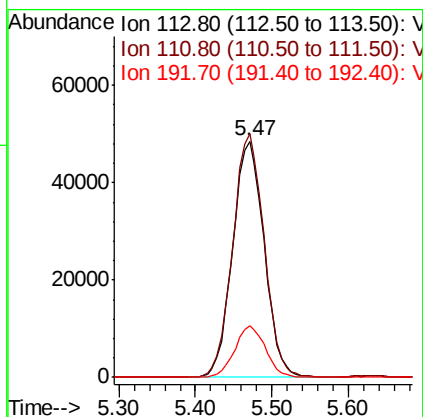
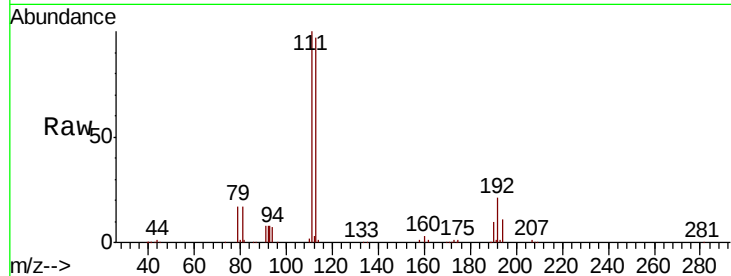




#35
Dibromofluoromethane
Concen: 46.178 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX016178.D
Acq: 13 May 2020 14:43

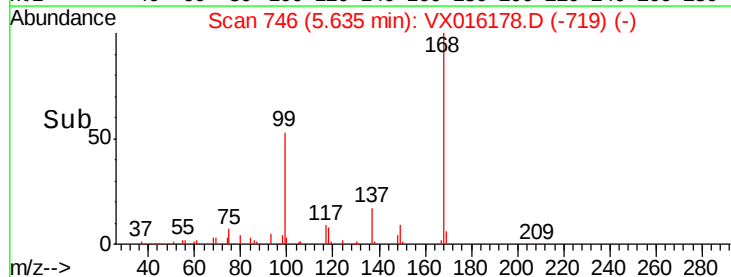
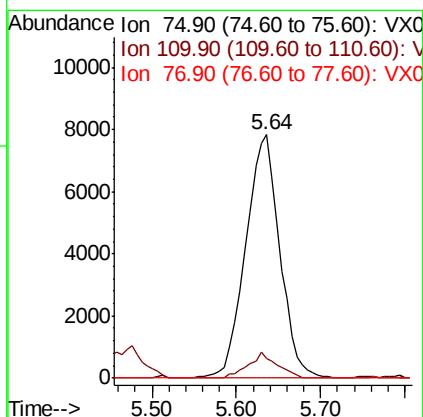
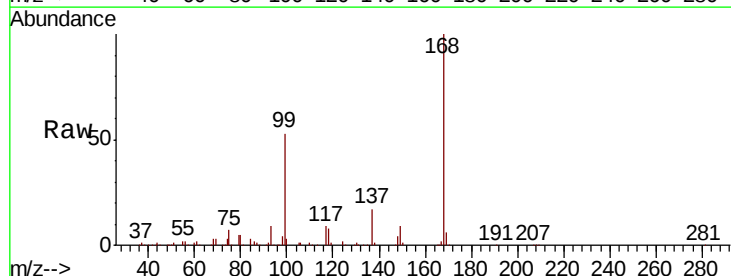
Instrument :
MSVOA_X
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SS052MW764-200511

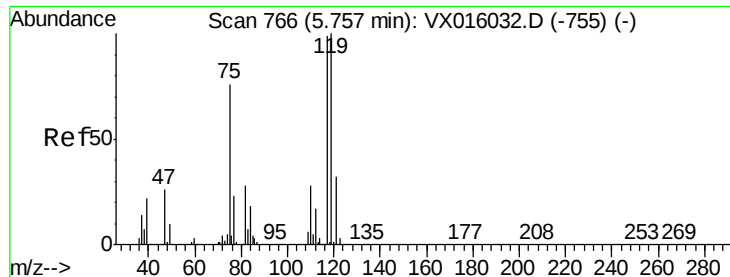
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.6	122.4
192	21.5	17.0	25.4



#36
1,1-Dichloropropene
Concen: 4.612 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.13 min
Lab File: VX016178.D
Acq: 13 May 2020 14:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.1#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.745 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016178.D

Acq: 13 May 2020 14:43

Instrument :

MSVOA_X

ClientSampleId :

SS052MW764-200511

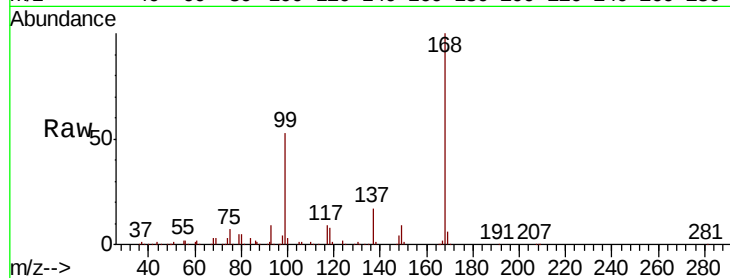
Tot Ion:117 Resp: 27188

Ion Ratio Lower Upper

117 100

119 5.7 80.3 120.5#

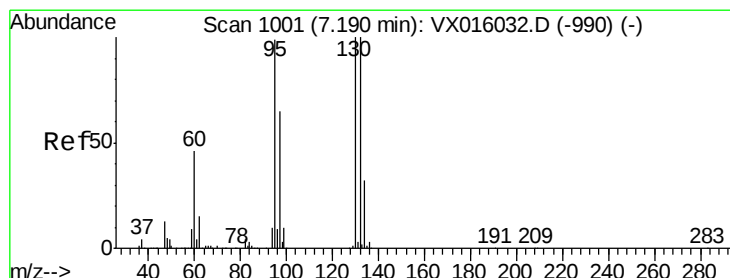
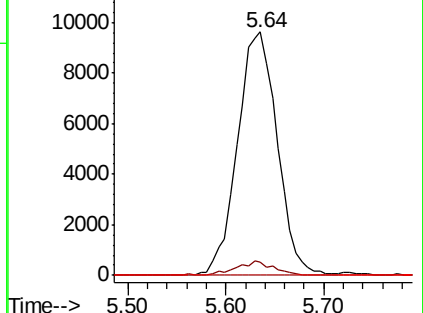
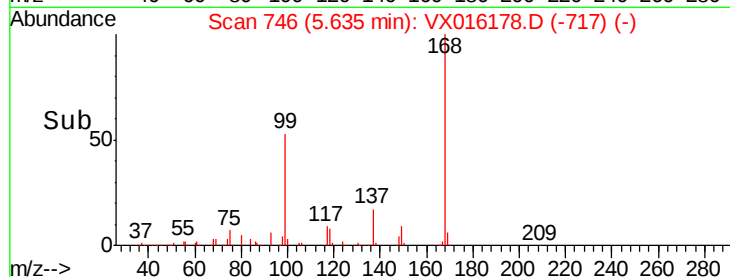
121 0.0 25.7 38.5#



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: 13.428 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016178.D

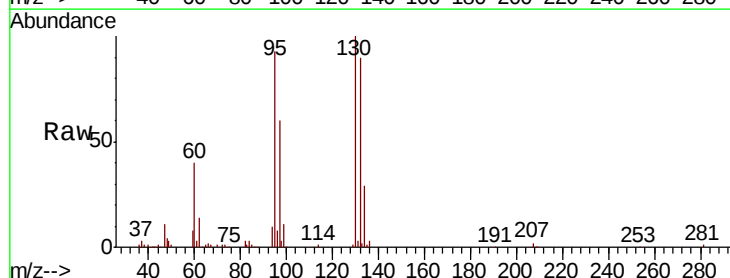
Acq: 13 May 2020 14:43

Tgt Ion:130 Resp: 64986

Ion Ratio Lower Upper

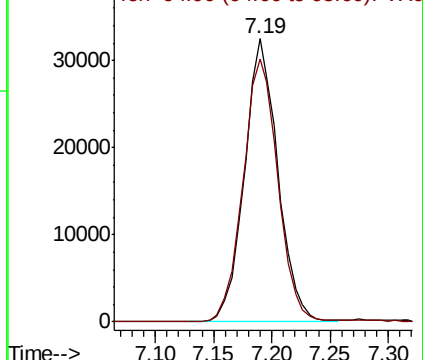
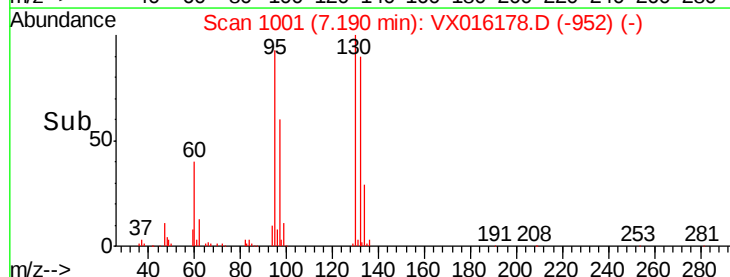
130 100

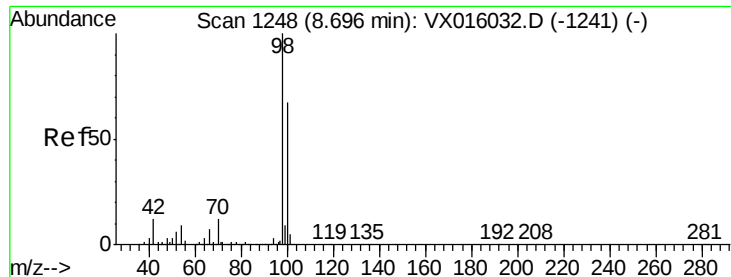
95 93.1 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.165 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016178.D

Acq: 13 May 2020 14:43

Instrument :

MSVOA_X

ClientSampleId :

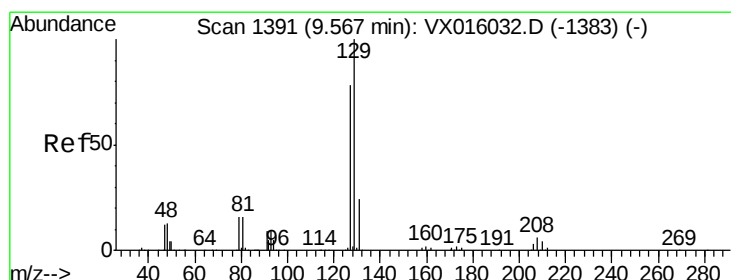
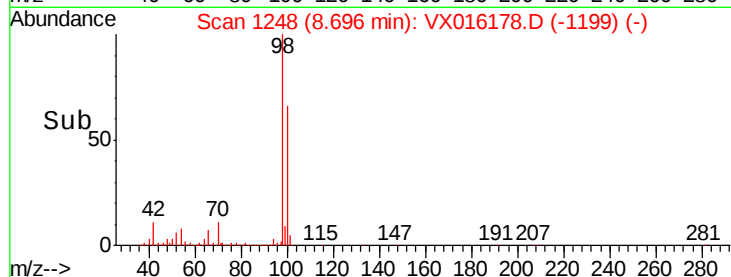
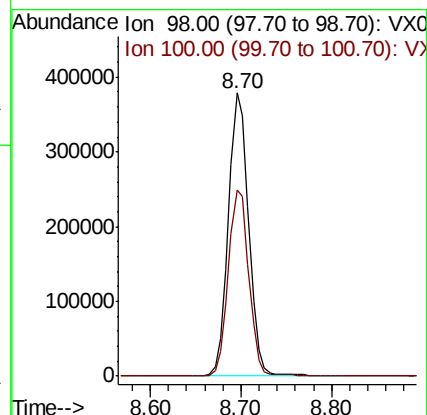
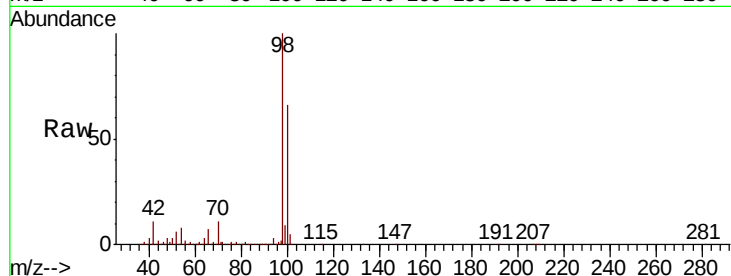
SS052MW764-200511

Tot Ion: 98 Resp: 590757

Ion Ratio Lower Upper

98 100

100 67.2 53.7 80.5



#60

Dibromochloromethane

Concen: 2.657 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016178.D

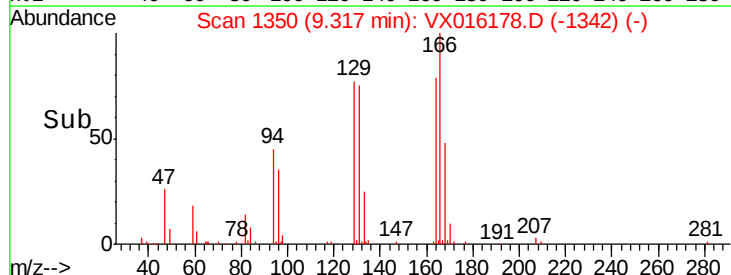
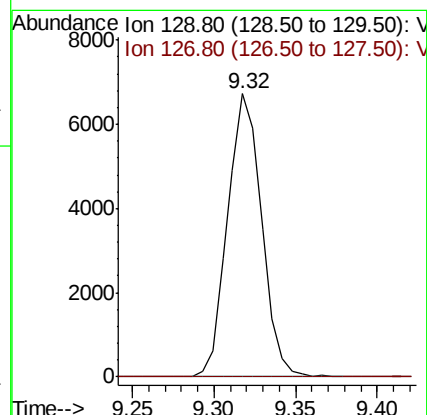
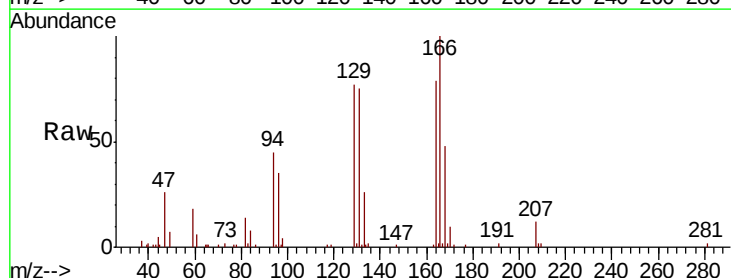
Acq: 13 May 2020 14:43

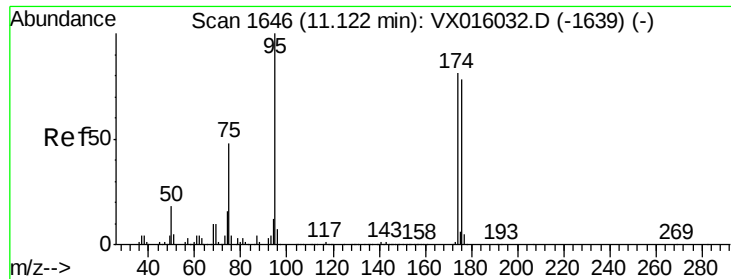
Tgt Ion: 129 Resp: 9776

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 53.033 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016178.D

Acq: 13 May 2020 14:43

Instrument :

MSVOA_X

ClientSampleId :

SS052MW764-200511

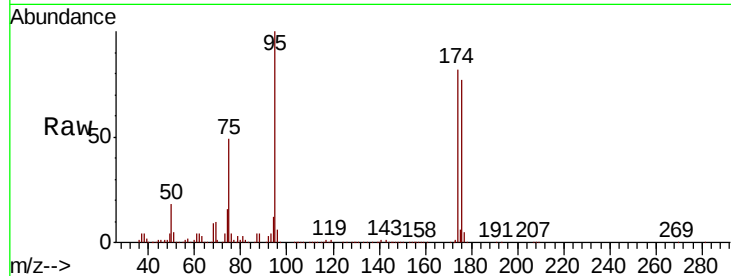
Tot Ion: 95 Resp: 232897

Ion Ratio Lower Upper

95 100

174 81.7 0.0 159.4

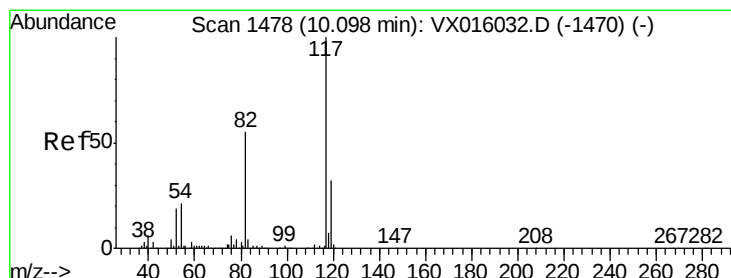
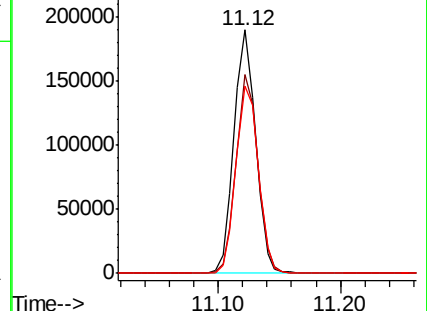
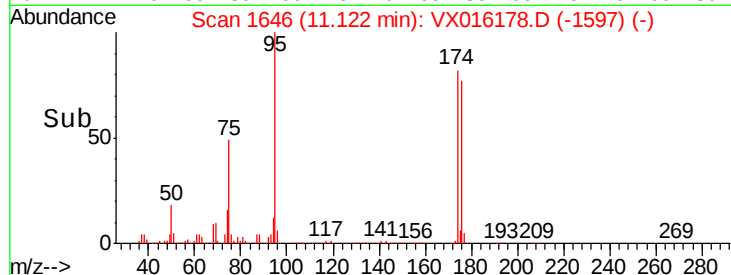
176 79.8 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016178.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016178.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016178.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016178.D

Acq: 13 May 2020 14:43

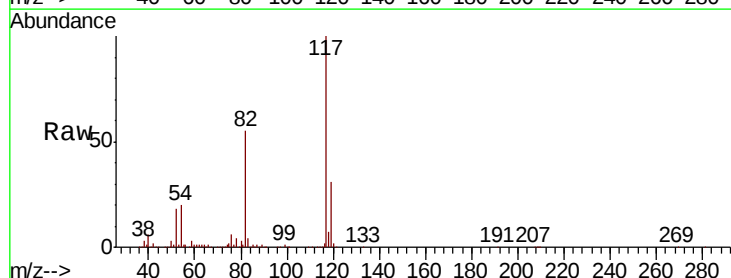
Tgt Ion: 117 Resp: 466847

Ion Ratio Lower Upper

117 100

82 55.2 44.4 66.6

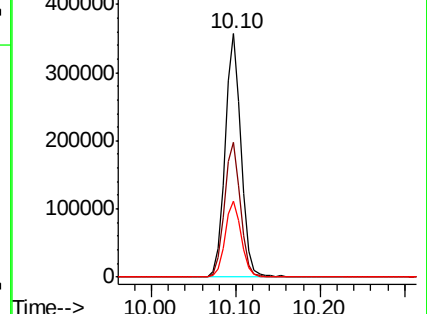
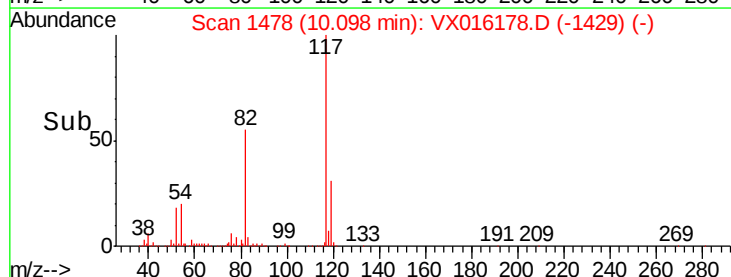
119 31.3 25.5 38.3

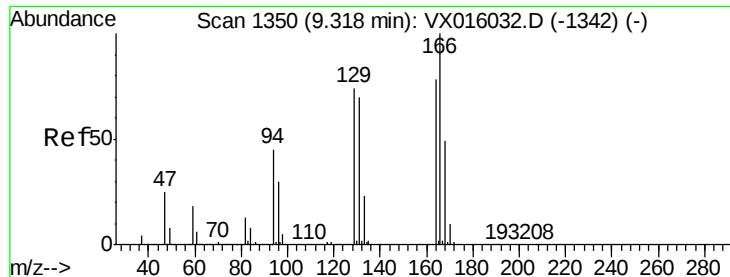


Abundance Ion 116.90 (116.60 to 117.60): VX016178.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016178.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016178.D (-1429) (-)





#64

Tetrachloroethene

Concen: 1.781 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016178.D

Acq: 13 May 2020 14:43

Instrument :

MSVOA_X

ClientSampleId :

SS052MW764-200511

Tot Ion:164 Resp: 10206

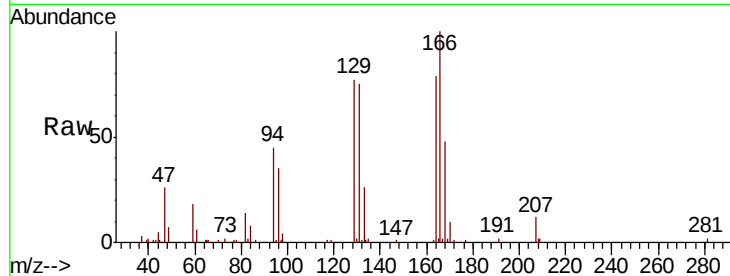
Ion Ratio Lower Upper

164 100

166 126.1 102.9 154.3

129 96.7 76.1 114.1

131 94.1 71.9 107.9

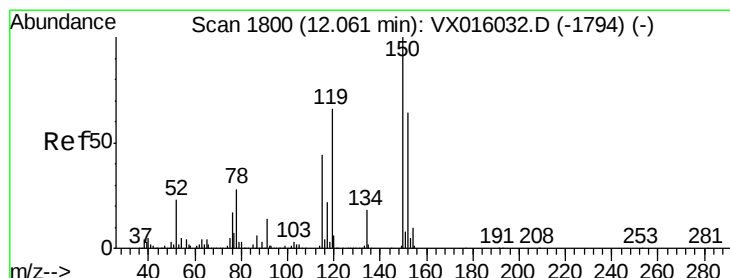
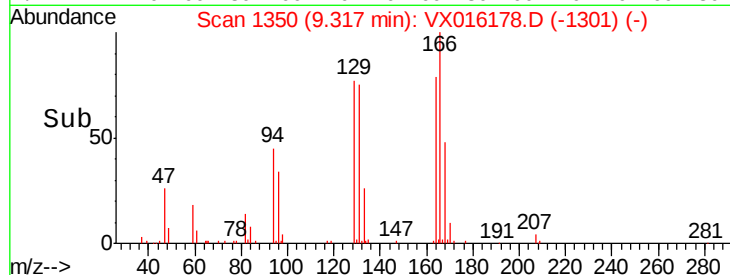
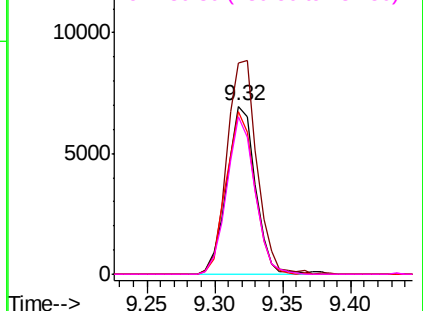


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX016178.D

Acq: 13 May 2020 14:43

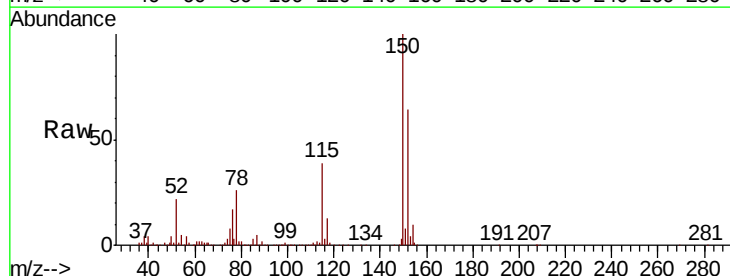
Tgt Ion:152 Resp: 239290

Ion Ratio Lower Upper

152 100

115 58.6 41.3 124.1

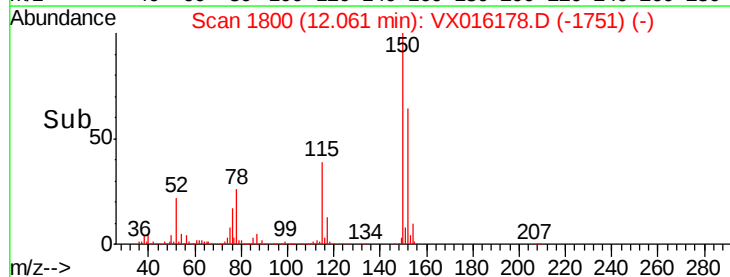
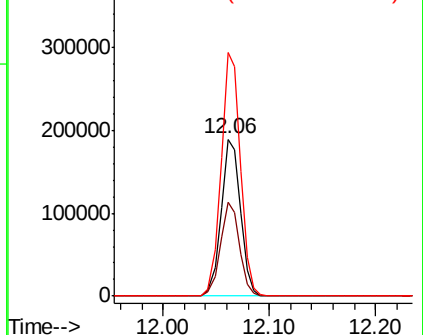
150 155.1 0.0 352.2

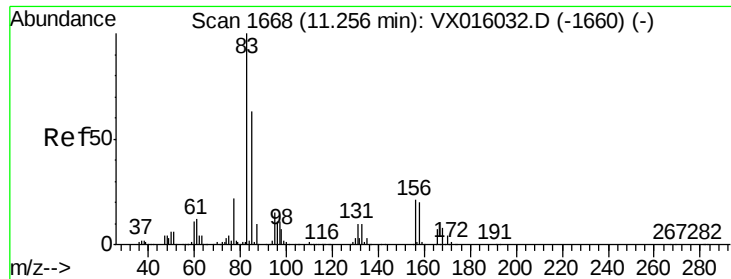


Abundance Ion 151.90 (151.60 to 152.60): V

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: 2.106 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016178.D

Acq: 13 May 2020 14:43

Instrument :

MSVOA_X

ClientSampleId :

SS052MW764-200511

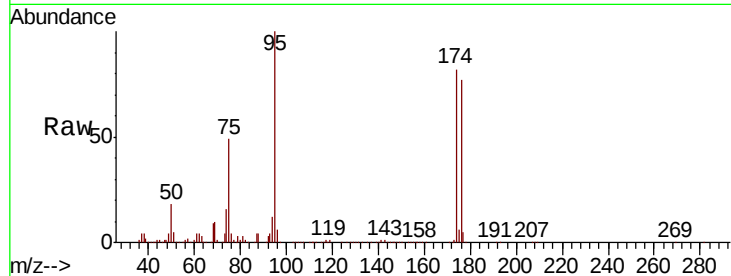
Tot Ion: 83 Resp: 185

Ion Ratio Lower Upper

83 100

131 140.5 5.1 15.4#

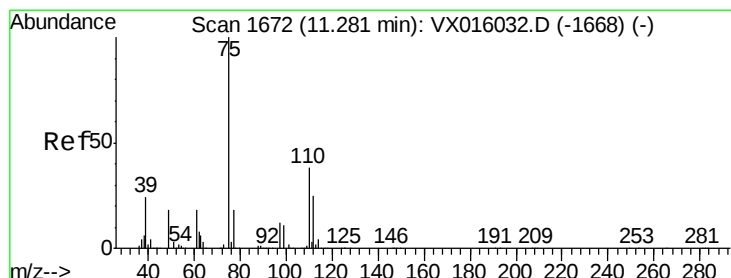
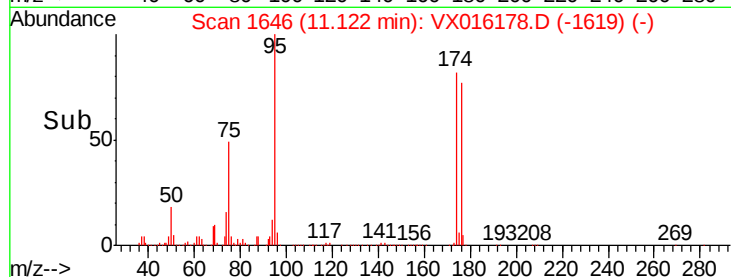
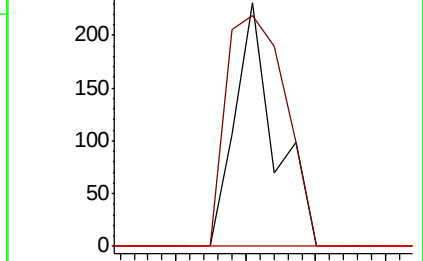
85 0.0 32.0 96.0#



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: 21.257 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016178.D

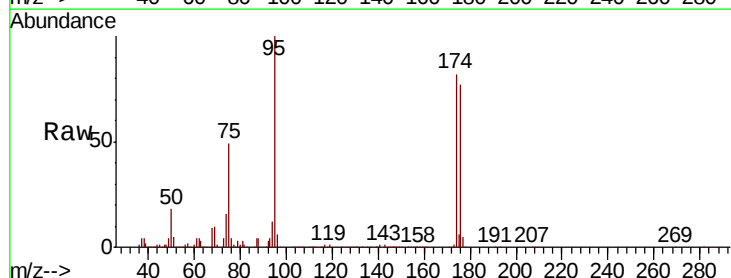
Acq: 13 May 2020 14:43

Tgt Ion: 75 Resp: 115429

Ion Ratio Lower Upper

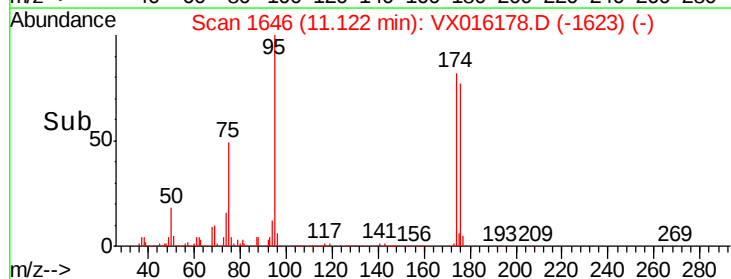
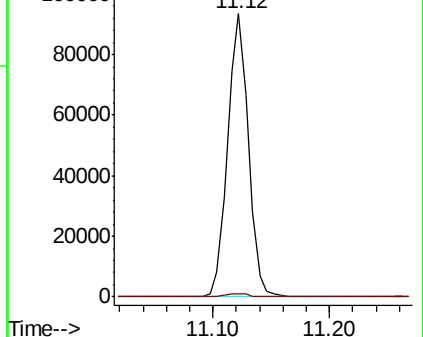
75 100

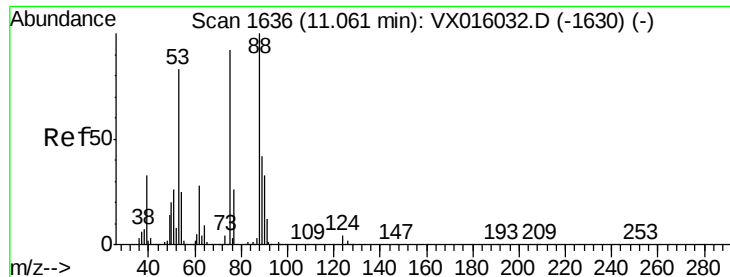
77 1.3 21.2 63.6#



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: 50.658 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016178.D

Acq: 13 May 2020 14:43

Instrument :

MSVOA_X

ClientSampleId :

SS052MW764-200511

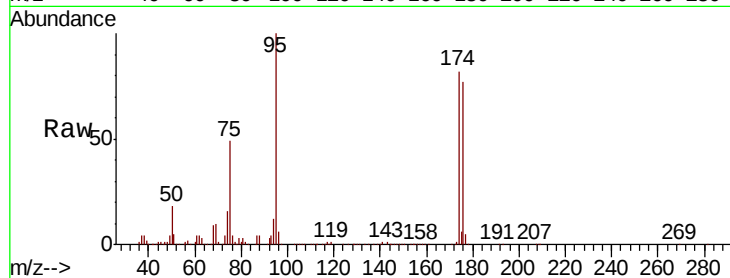
Tot Ion: 75 Resp: 115429

Ion Ratio Lower Upper

75 100

53 0.1 73.1 109.7#

89 0.0 36.7 55.1#

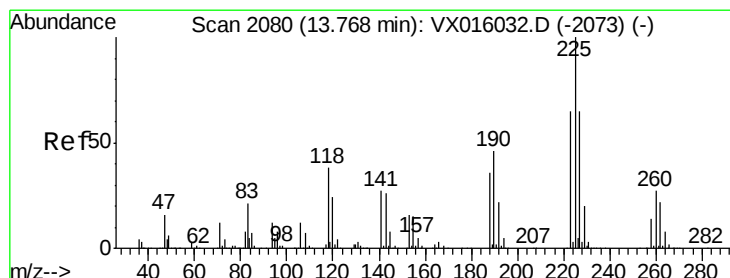
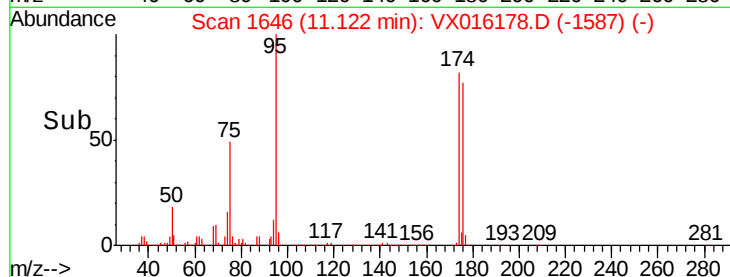
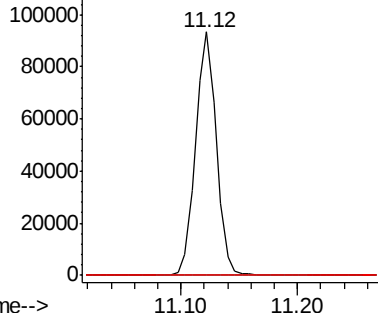


Abundance

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: 0.531 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016178.D

Acq: 13 May 2020 14:43

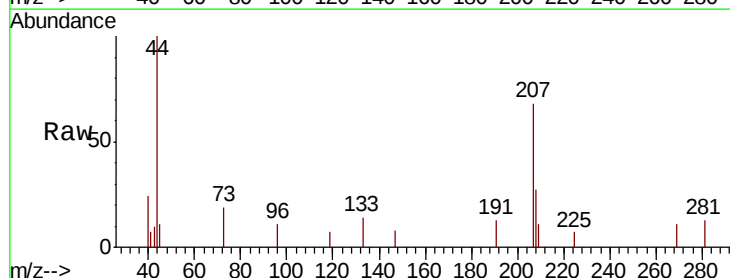
Tgt Ion: 225 Resp: 19

Ion Ratio Lower Upper

225 100

223 0.0 32.3 96.9#

227 0.0 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

