

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080420\
 Data File : VX017765.D
 Acq On : 04 Aug 2020 13:07
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 05 01:47:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	637292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	916956	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	819221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	413899	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	395186	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
35) Dibromofluoromethane	5.47	113	314771	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
50) Toluene-d8	8.70	98	1072470	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	11.12	95	404986	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	

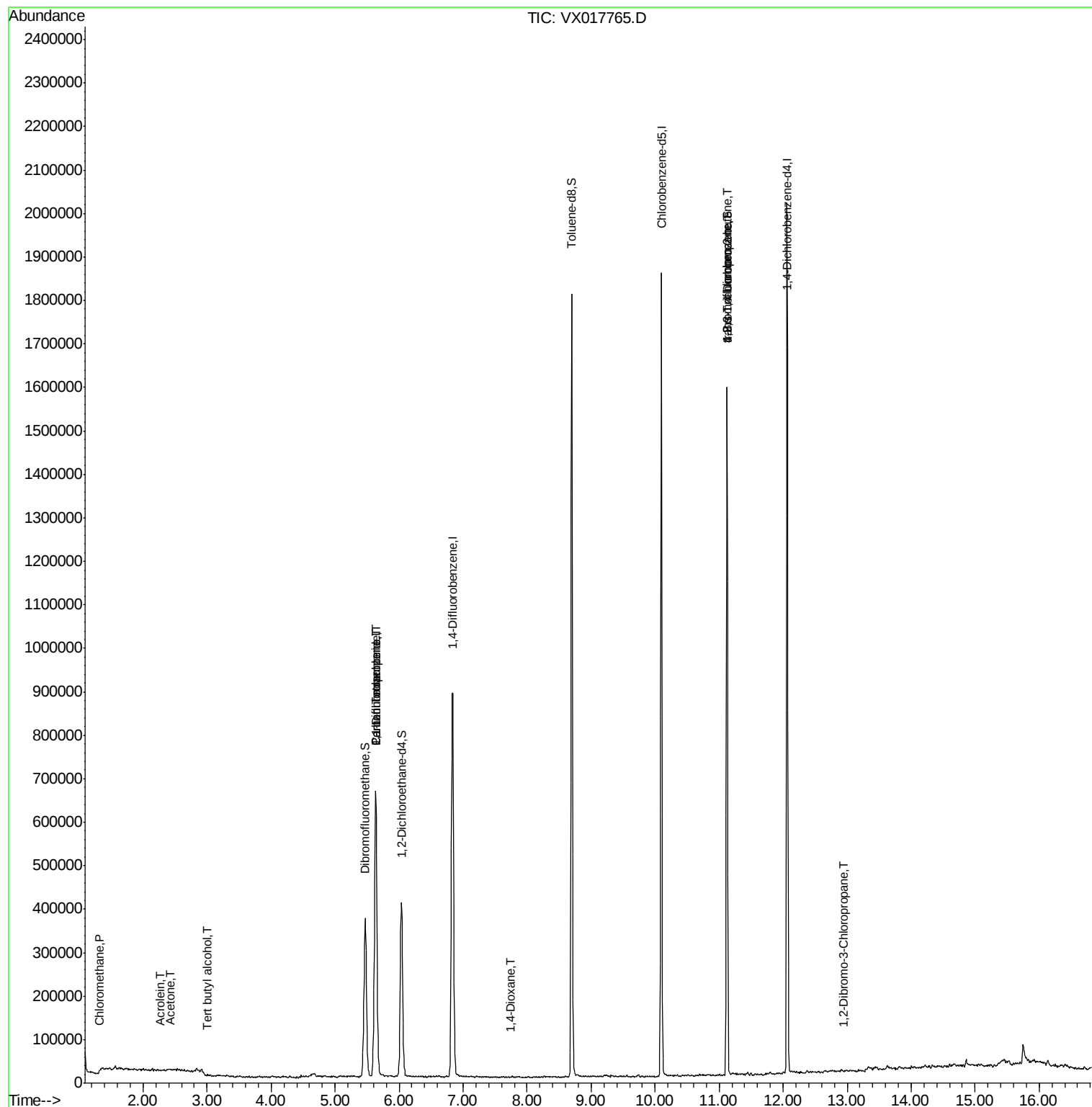
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	162	Below Cal	#	42
3) Chloromethane	1.31	50	1038	0.498	ug/l	94
5) Bromomethane	1.62	94	384	Below Cal	#	15
6) Chloroethane	1.70	64	166	Below Cal	#	1
8) Diethyl Ether	2.15	74	399	Below Cal		91
11) Tert butyl alcohol	3.00	59	582	0.337	ug/l #	72
13) Acrolein	2.28	56	315	4.384	ug/l #	23
16) Acetone	2.42	43	3531	0.980	ug/l #	68
20) Methylene Chloride	2.84	84	3354	Below Cal	#	73
36) 1,1-Dichloropropene	5.63	75	46956	5.339	ug/l #	53
38) Carbon Tetrachloride	5.64	117	63449	5.941	ug/l #	18
49) 1,4-Dioxane	7.74	88	143	0.948	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	205120	24.092	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.12	75	205120	60.706	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.94	75	311	2.694	ug/l #	49

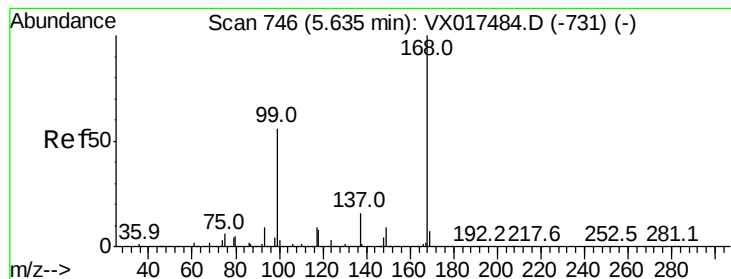
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080420\
Data File : VX017765.D
Acq On : 04 Aug 2020 13:07
Operator : JC/SP
Sample : IBLK
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 05 01:47:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 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: VX017765.D

Acq: 04 Aug 2020 13:07

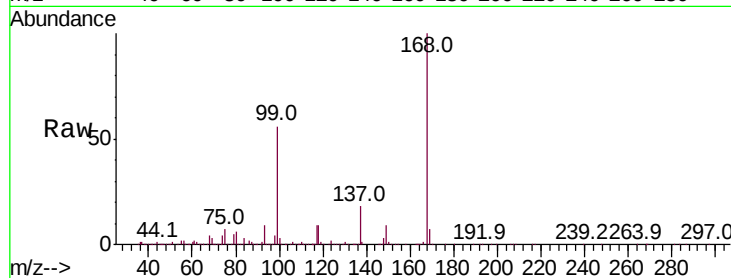
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 637292

Ion Ratio Lower Upper

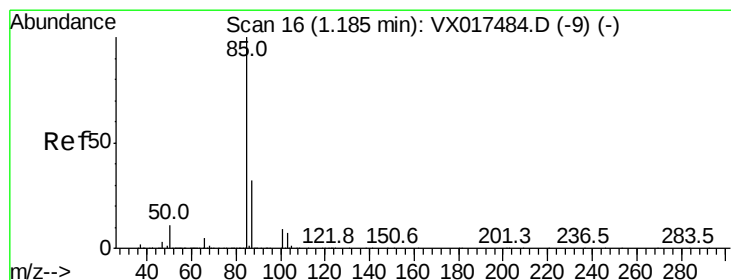
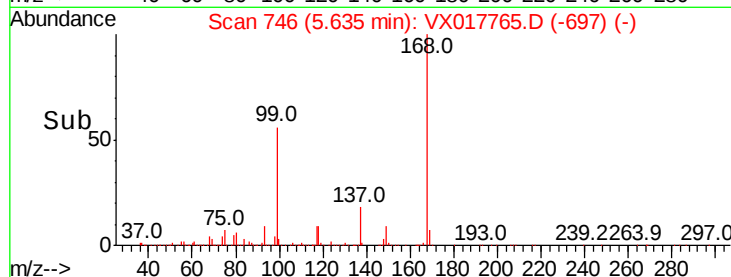
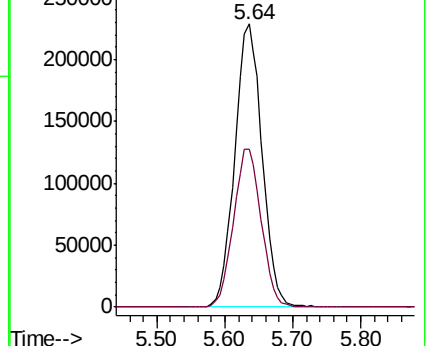
168 100

99 55.8 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 19

Delta R.T. 0.02 min

Lab File: VX017765.D

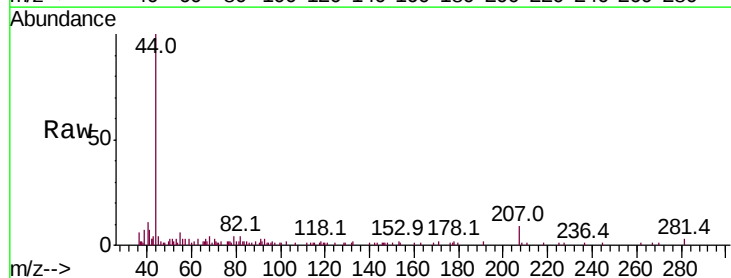
Acq: 04 Aug 2020 13:07

Tgt Ion: 85 Resp: 162

Ion Ratio Lower Upper

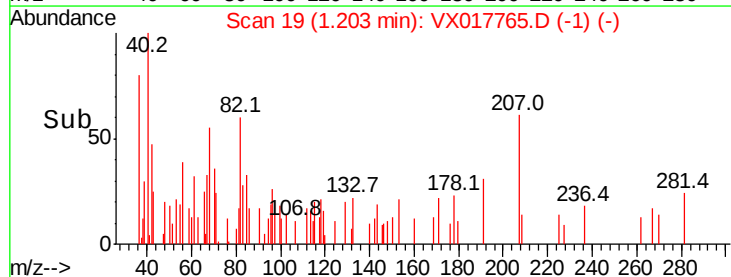
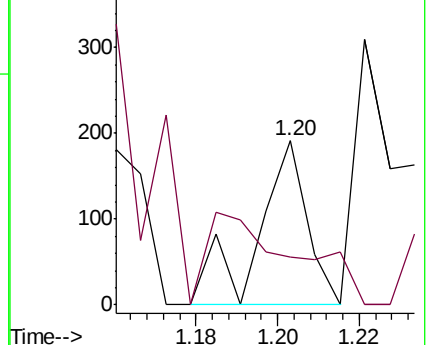
85 100

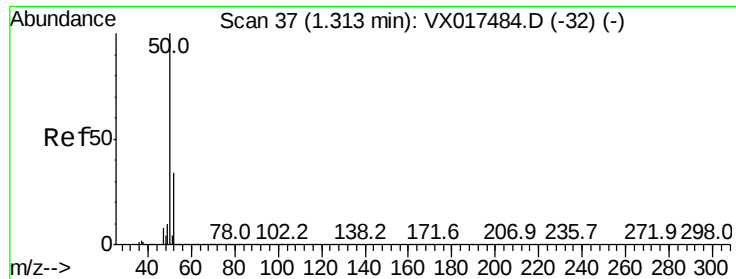
87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

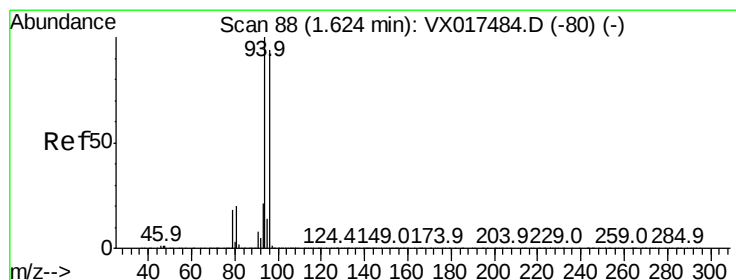
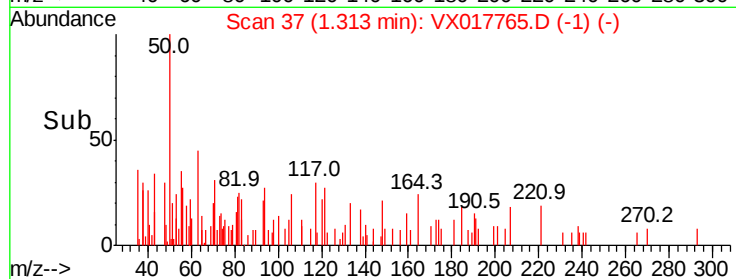
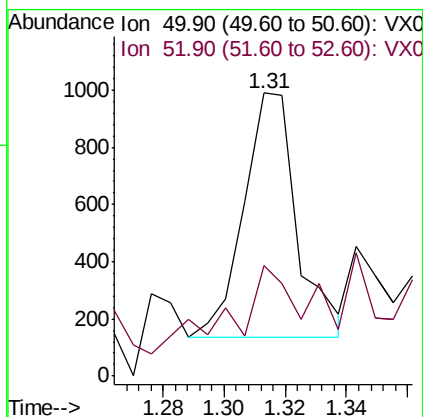
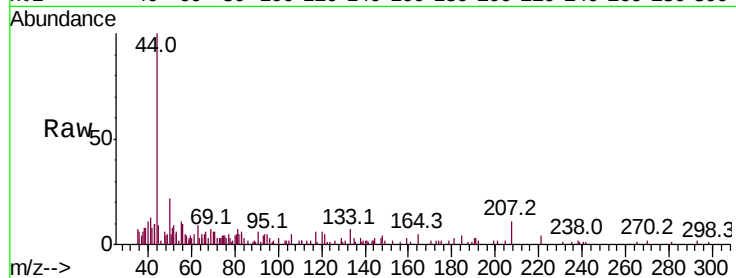




#3
Chloromethane
Concen: 0.498 ug/l
RT: 1.31 min Scan# 37
Delta R.T. 0.00 min
Lab File: VX017765.D
Acq: 04 Aug 2020 13:07

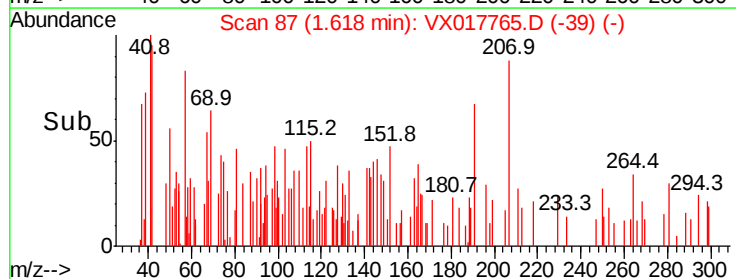
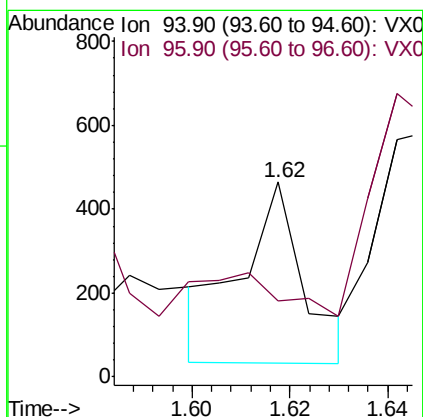
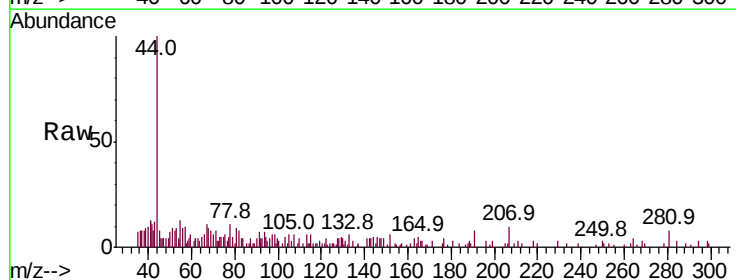
Instrument :
MSVOA_X
ClientSampled :

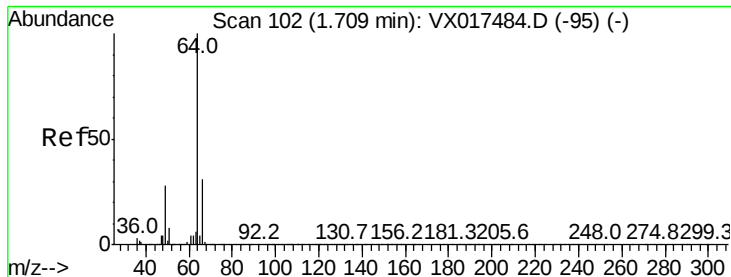
Tot Ion: 50 Resp: 1038
Ion Ratio Lower Upper
50 100
52 29.0 25.9 38.9



#5
Bromomethane
Concen: Below Cal
RT: 1.62 min Scan# 87
Delta R.T. -0.01 min
Lab File: VX017765.D
Acq: 04 Aug 2020 13:07

Tgt Ion: 94 Resp: 384
Ion Ratio Lower Upper
94 100
96 11.2 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017765.D

Acq: 04 Aug 2020 13:07

Instrument :

MSVOA_X

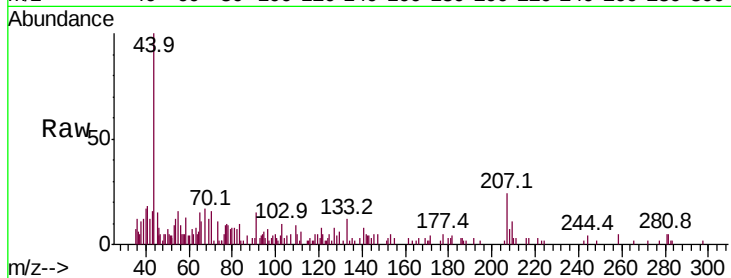
ClientSampled :

Tot Ion: 64 Resp: 166

Ion Ratio Lower Upper

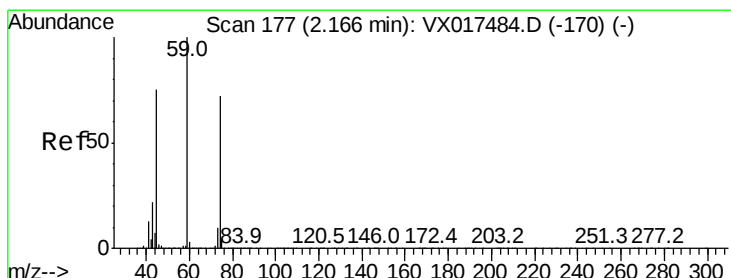
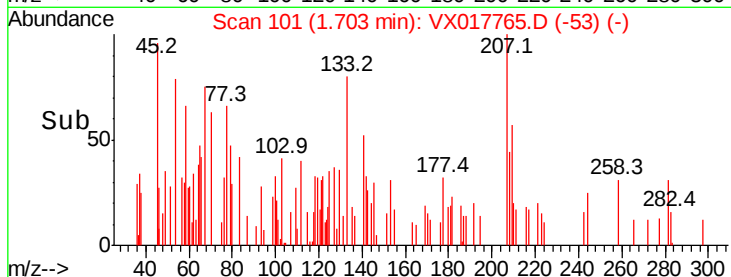
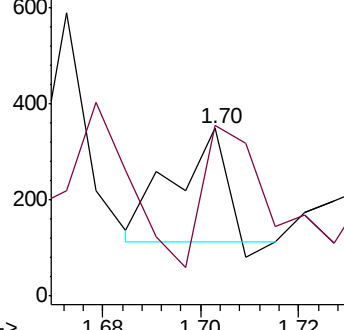
64 100

66 88.9 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VX017765.D

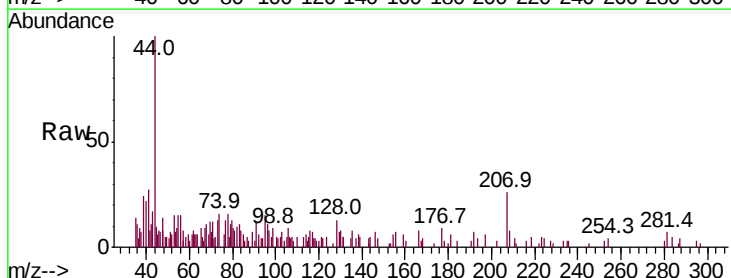
Acq: 04 Aug 2020 13:07

Tgt Ion: 74 Resp: 399

Ion Ratio Lower Upper

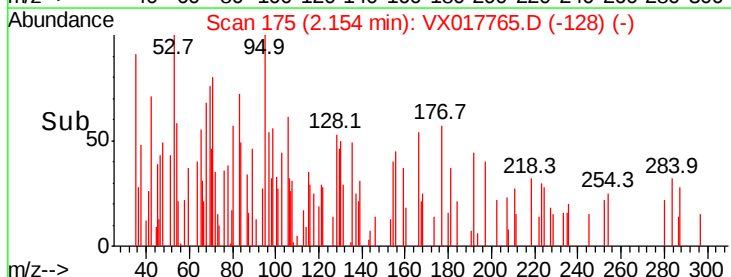
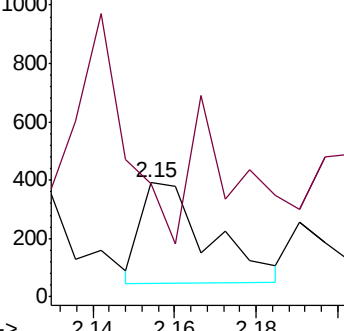
74 100

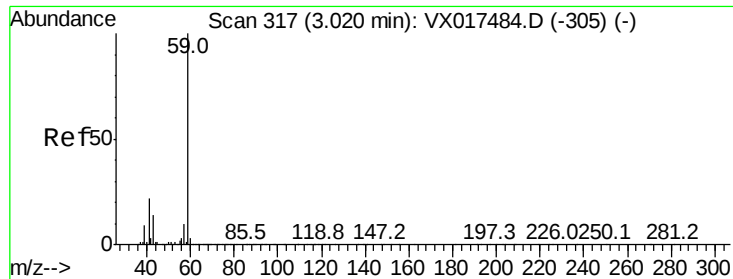
45 111.0 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

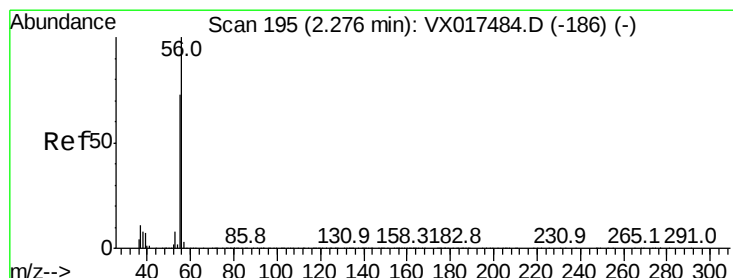
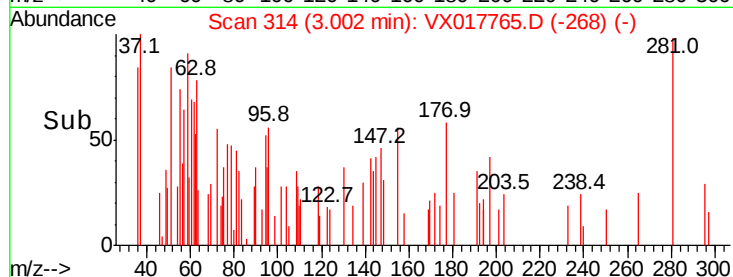
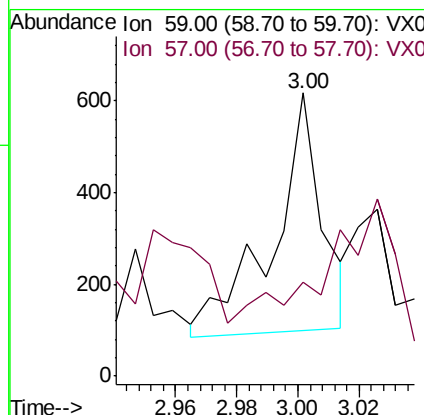
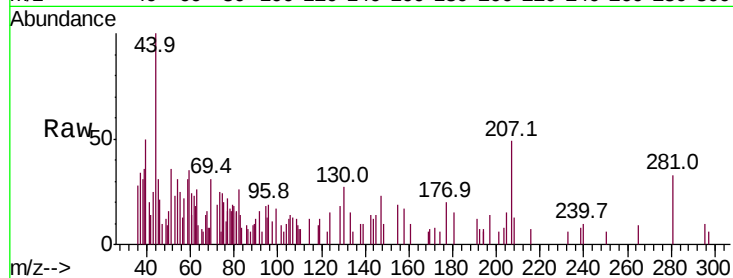




#11
Tert butyl alcohol
Concen: 0.337 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX017765.D
Acq: 04 Aug 2020 13:07

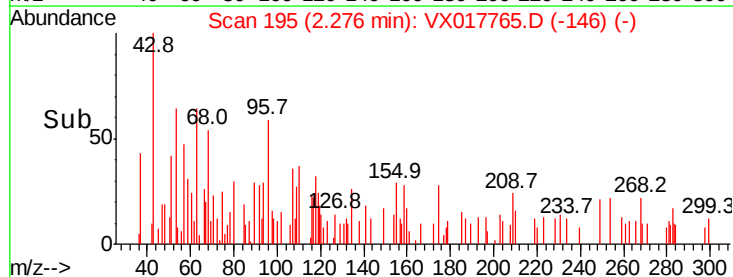
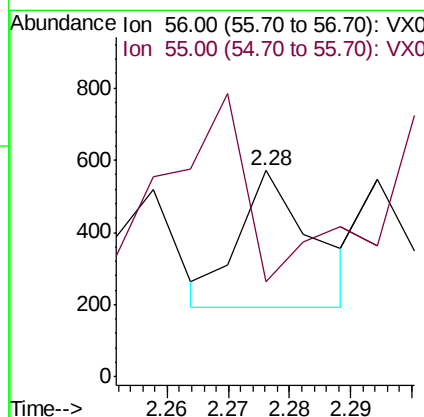
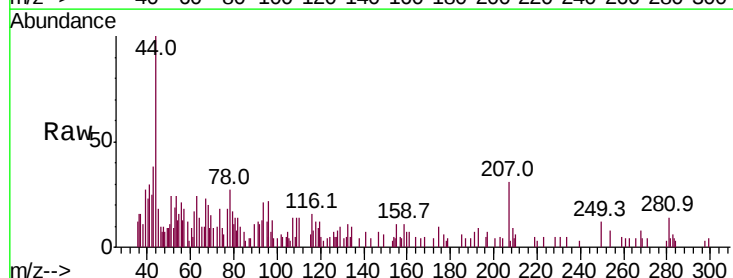
Instrument :
MSVOA_X
ClientSampleId :

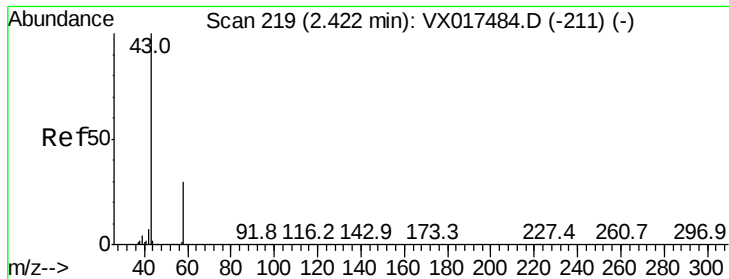
Tot Ion: 59 Resp: 582
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 4.384 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.00 min
Lab File: VX017765.D
Acq: 04 Aug 2020 13:07

Tgt Ion: 56 Resp: 315
Ion Ratio Lower Upper
56 100
55 136.2 57.4 86.2#

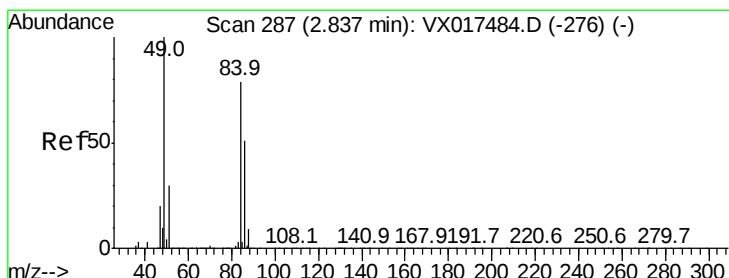
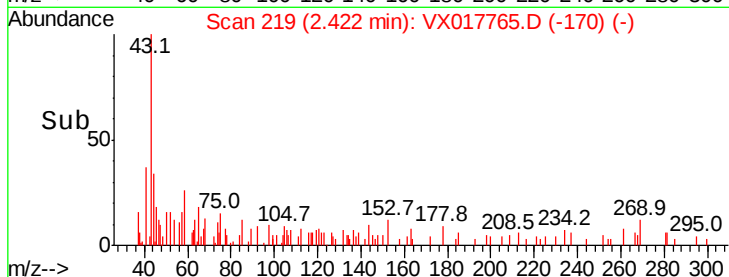
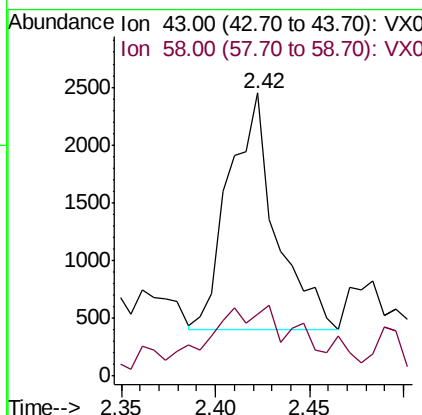
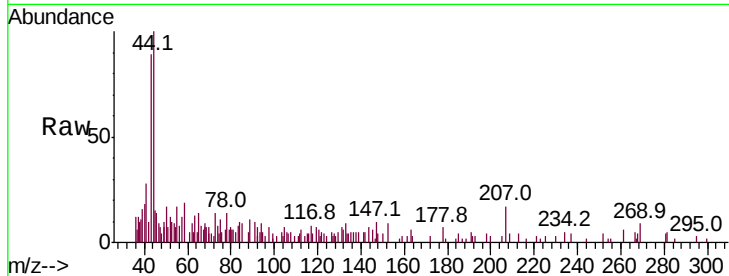




#16
Acetone
Concen: 0.980 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017765.D
Acq: 04 Aug 2020 13:07

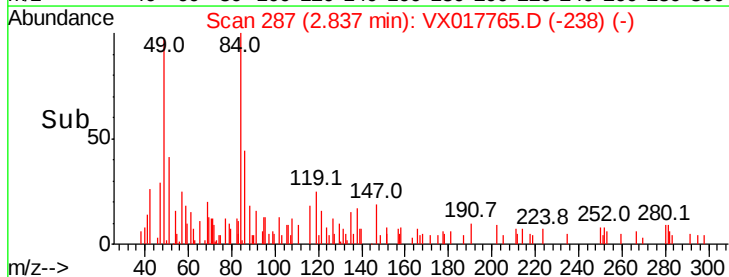
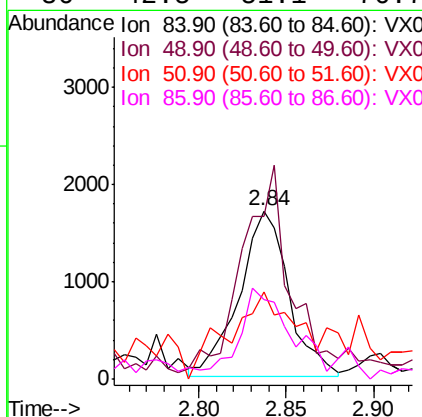
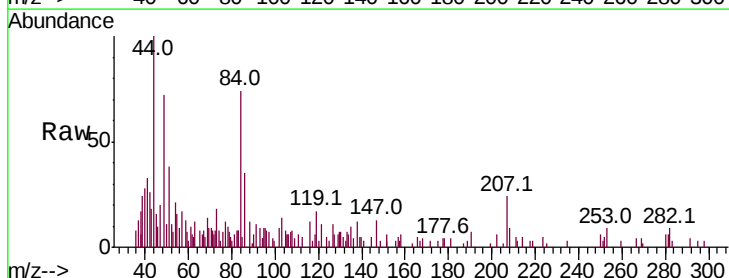
Instrument :
MSVOA_X
ClientSampleId :

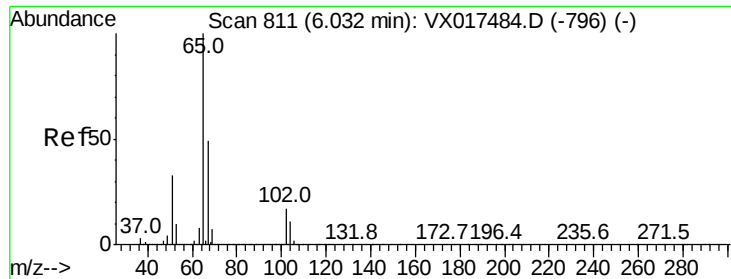
Tot Ion: 43 Resp: 3531
Ion Ratio Lower Upper
43 100
58 12.8 24.2 36.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017765.D
Acq: 04 Aug 2020 13:07

Tgt Ion: 84 Resp: 3354
Ion Ratio Lower Upper
84 100
49 94.8 100.3 150.5#
51 53.6 30.5 45.7#
86 42.5 51.1 76.7#





#33

1,2-Dichloroethane-d4

Concen: 48.274 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017765.D

Acq: 04 Aug 2020 13:07

Instrument :

MSVOA_X

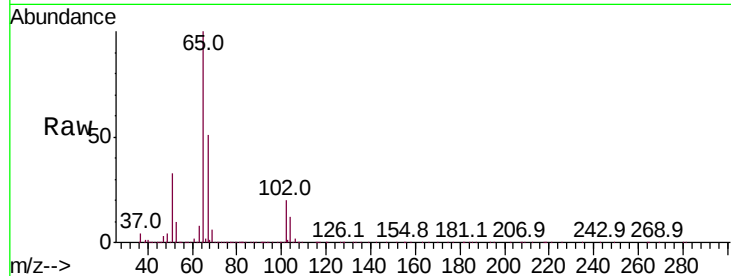
ClientSampleId :

Tot Ion: 65 Resp: 395186

Ion Ratio Lower Upper

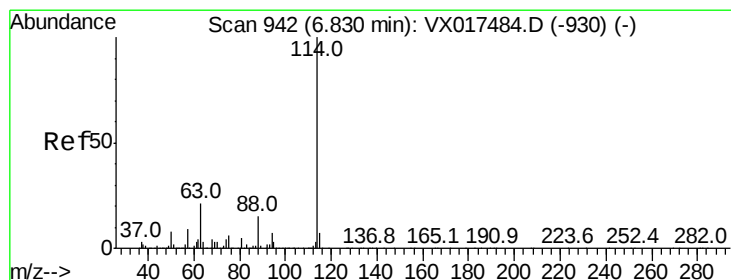
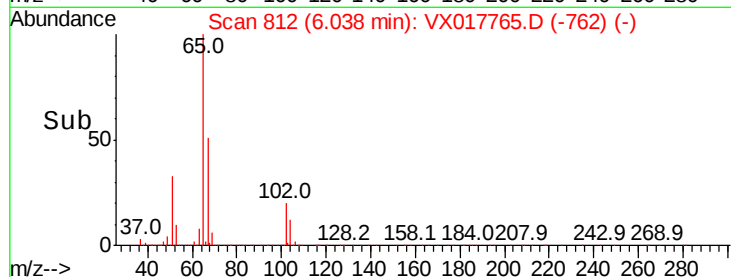
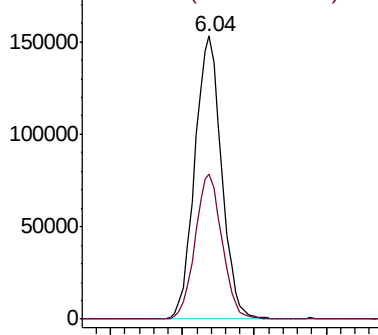
65 100

67 51.5 0.0 102.8



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: VX017765.D

Acq: 04 Aug 2020 13:07

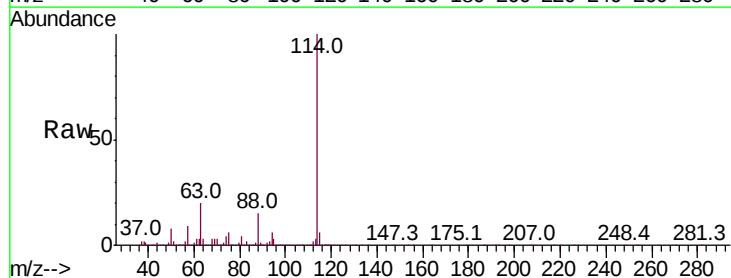
Tgt Ion: 114 Resp: 916956

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

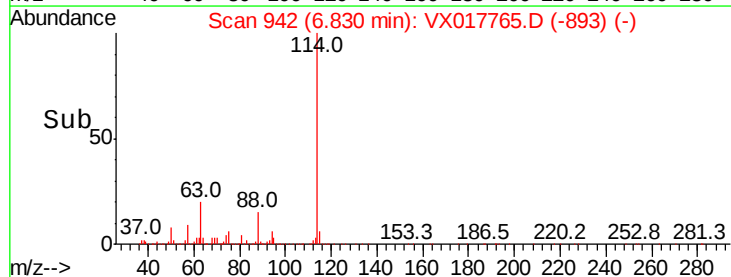
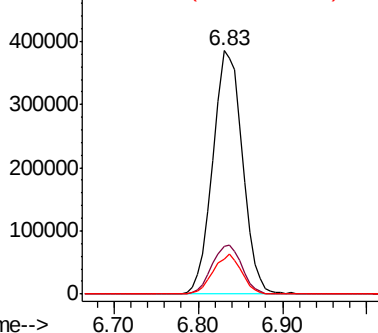
88 14.6 0.0 33.4

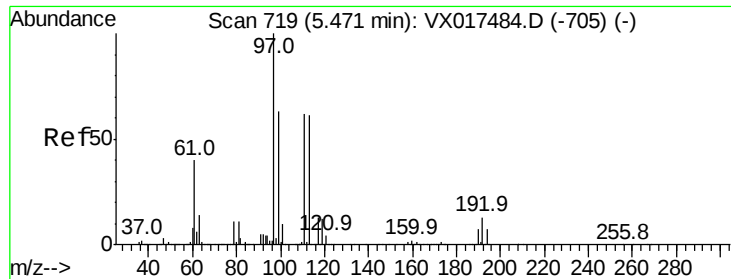


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

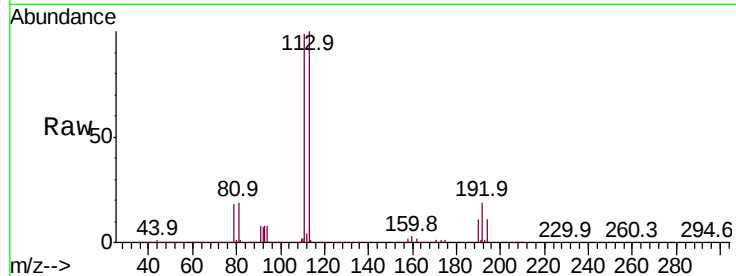




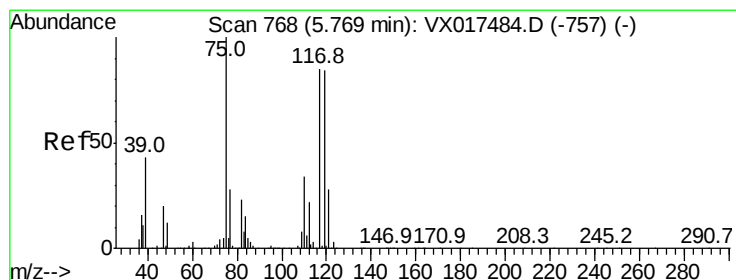
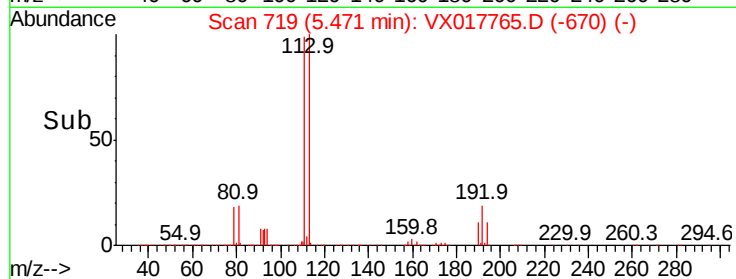
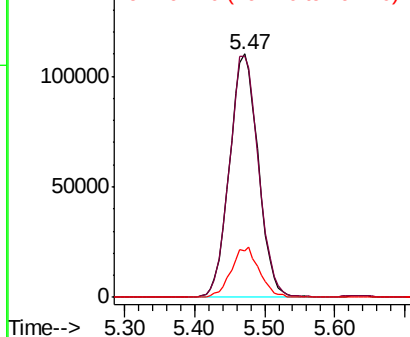
#35
Dibromofluoromethane
Concen: 51.327 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX017765.D
Acq: 04 Aug 2020 13:07

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:113 Resp: 314771
Ion Ratio Lower Upper
113 100
111 100.4 80.7 121.1
192 19.9 16.9 25.3

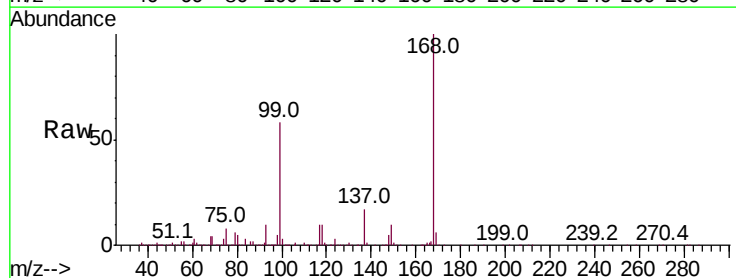


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

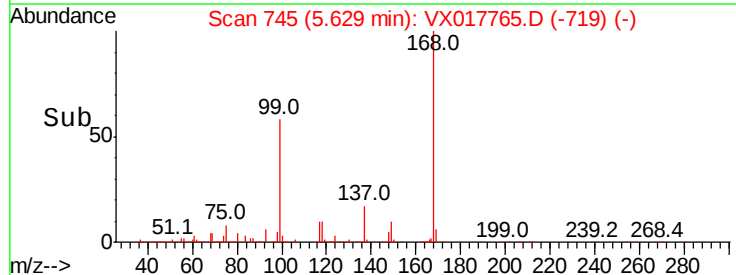
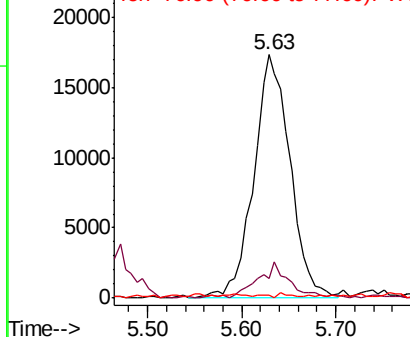


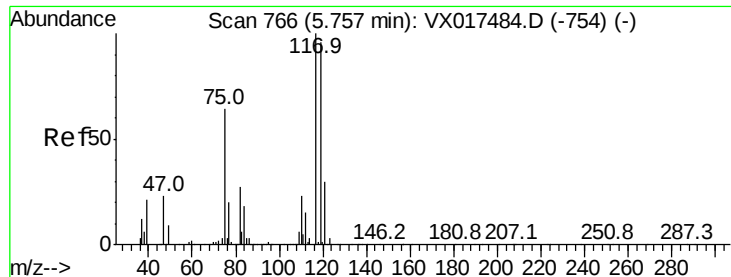
#36
1,1-Dichloropropene
Concen: 5.339 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX017765.D
Acq: 04 Aug 2020 13:07

Tgt Ion: 75 Resp: 46956
Ion Ratio Lower Upper
75 100
110 12.5 18.1 54.3#
77 0.8 24.6 37.0#



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: 5.941 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017765.D

Acq: 04 Aug 2020 13:07

Instrument :

MSVOA_X

ClientSampled :

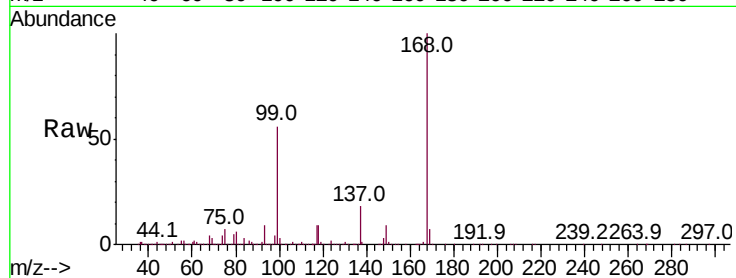
Tot Ion:117 Resp: 63449

Ion Ratio Lower Upper

117 100

119 6.2 75.4 113.0#

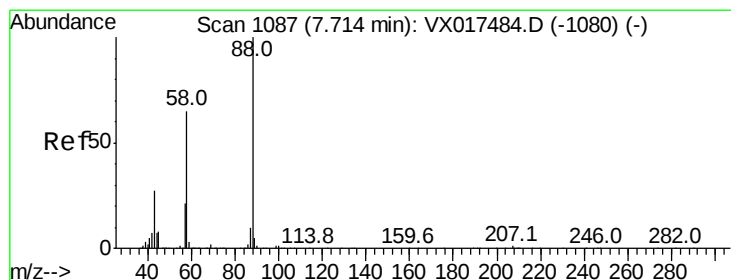
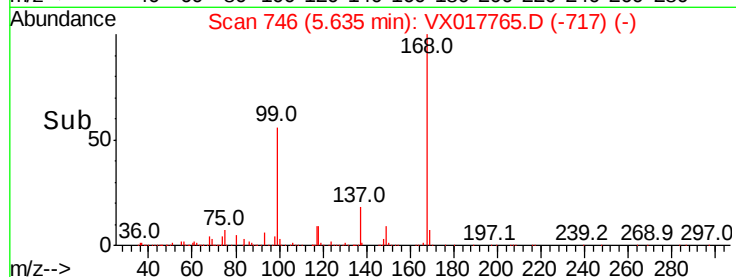
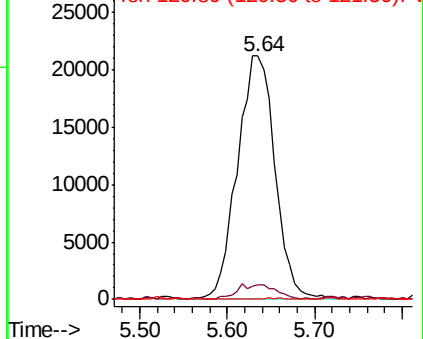
121 0.0 24.3 36.5#



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



#49

1,4-Dioxane

Concen: 0.948 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.03 min

Lab File: VX017765.D

Acq: 04 Aug 2020 13:07

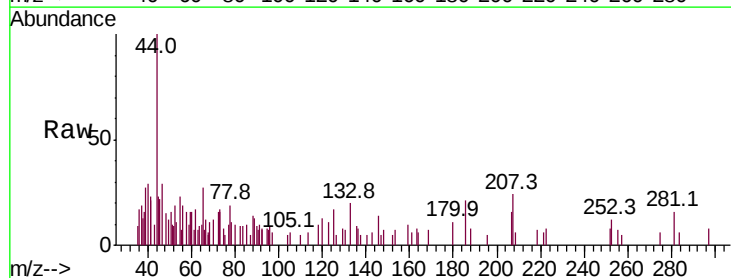
Tgt Ion: 88 Resp: 143

Ion Ratio Lower Upper

88 100

43 230.1 27.8 41.6#

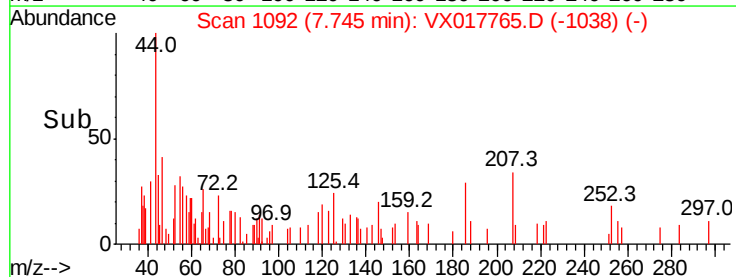
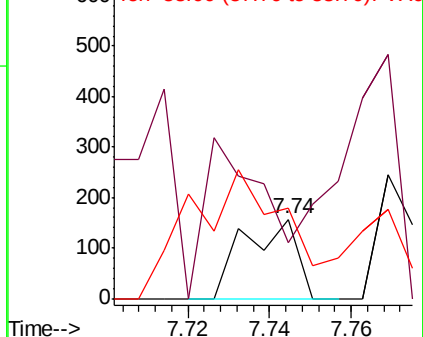
58 281.1 58.3 87.5#

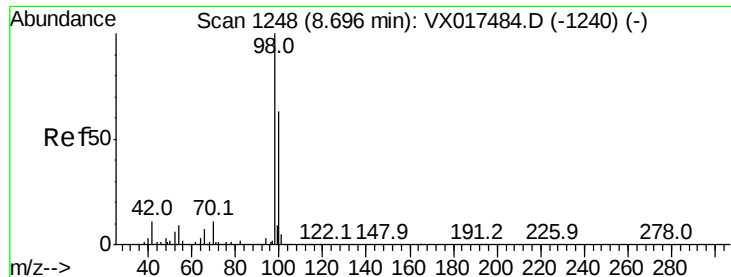


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.477 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017765.D

Acq: 04 Aug 2020 13:07

Instrument :

MSVOA_X

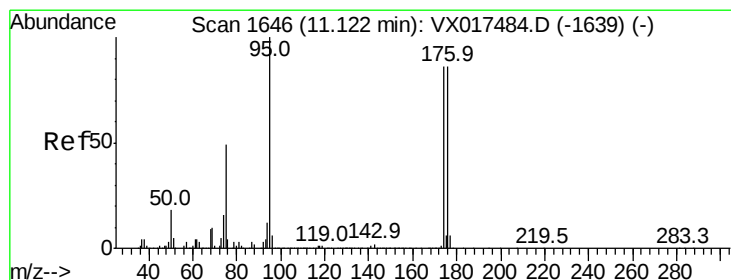
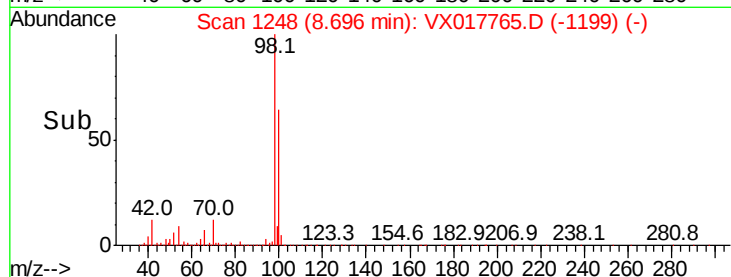
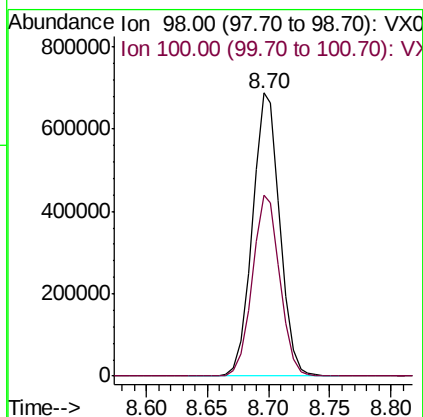
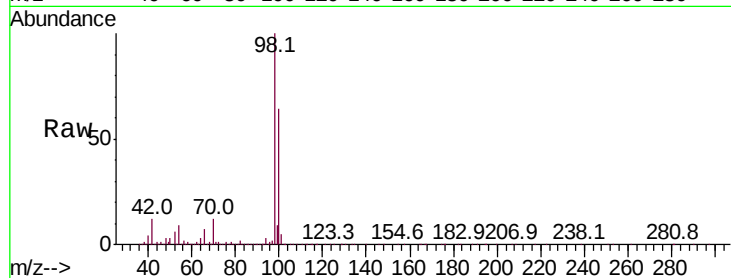
ClientSampleId :

Tot Ion: 98 Resp: 1072470

Ion Ratio Lower Upper

98 100

100 64.2 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 45.741 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017765.D

Acq: 04 Aug 2020 13:07

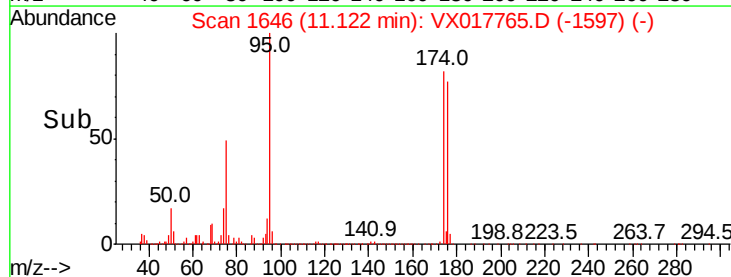
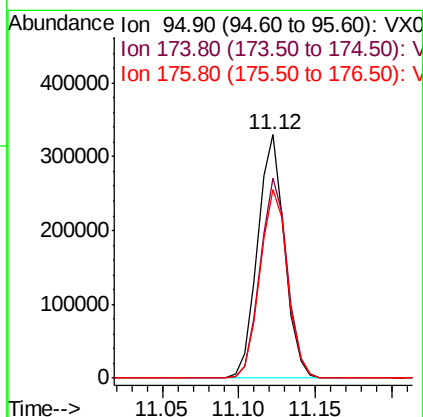
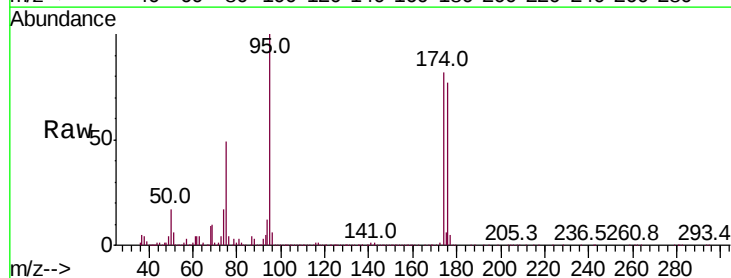
Tgt Ion: 95 Resp: 404986

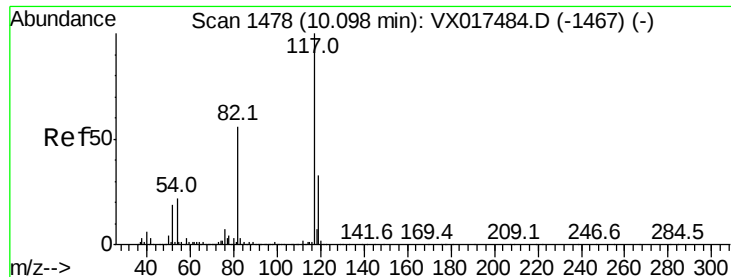
Ion Ratio Lower Upper

95 100

174 83.6 0.0 169.0

176 79.9 0.0 161.0

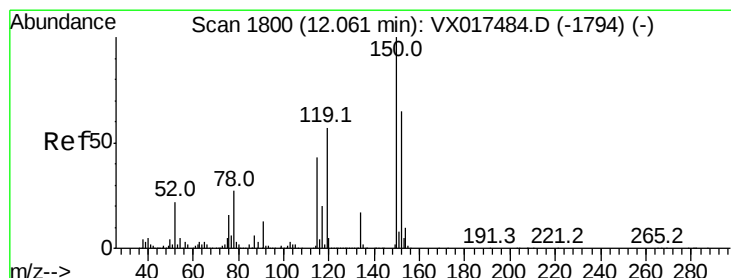
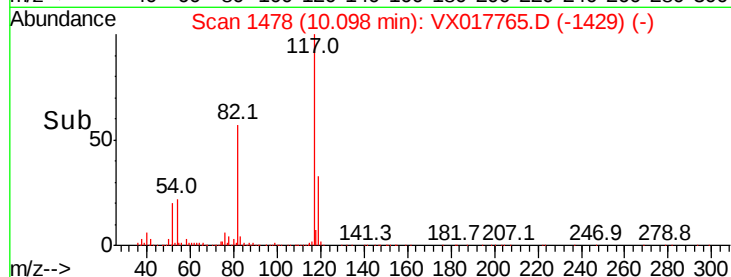
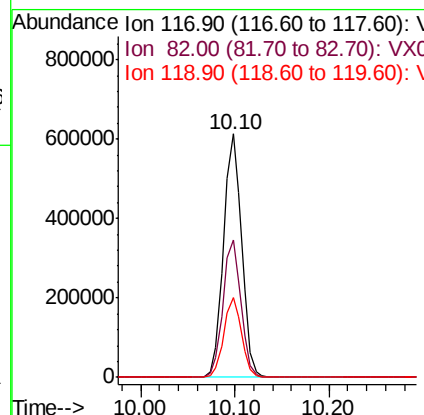
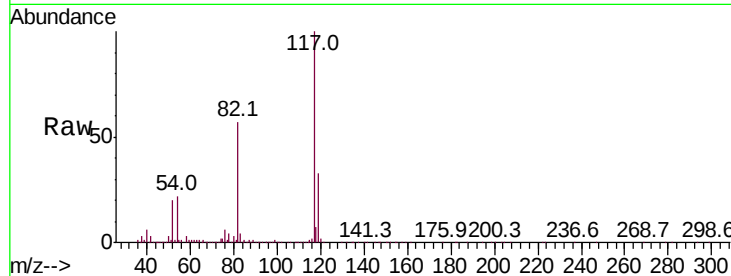




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017765.D
Acq: 04 Aug 2020 13:07

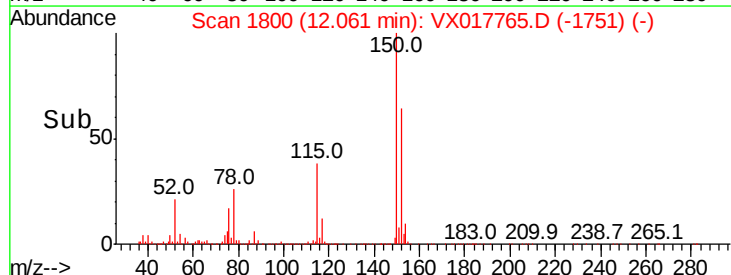
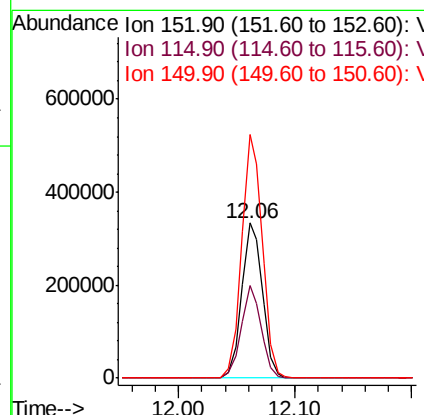
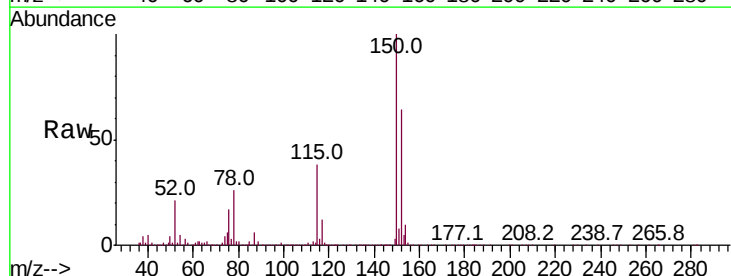
Instrument :
MSVOA_X
ClientSampleId :

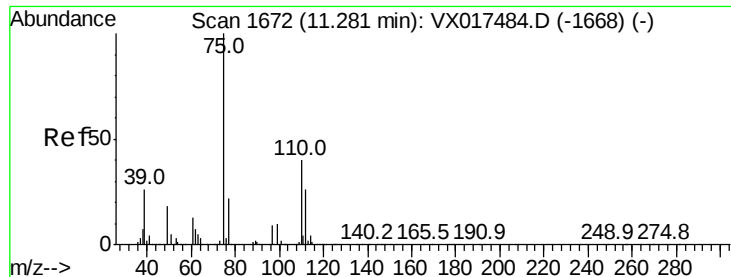
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.0	66.0
119	32.9	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017765.D
Acq: 04 Aug 2020 13:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	65.5	196.6#
150	155.7	0.0	412.6





#76

1,2,3-Trichloropropane

Concen: 24.092 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017765.D

Acq: 04 Aug 2020 13:07

Instrument :

MSVOA_X

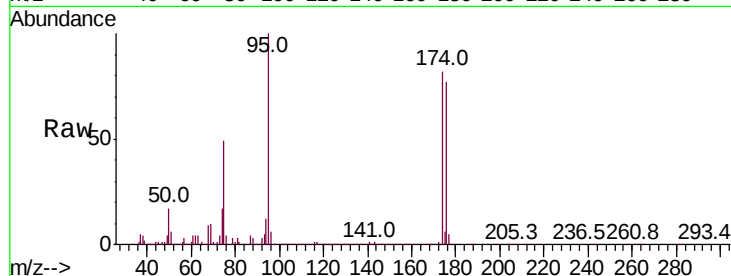
ClientSampleId :

Tot Ion: 75 Resp: 205120

Ion Ratio Lower Upper

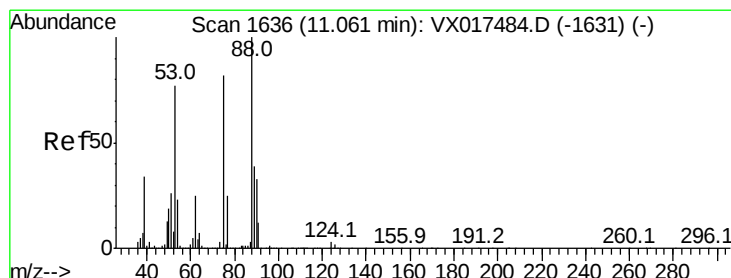
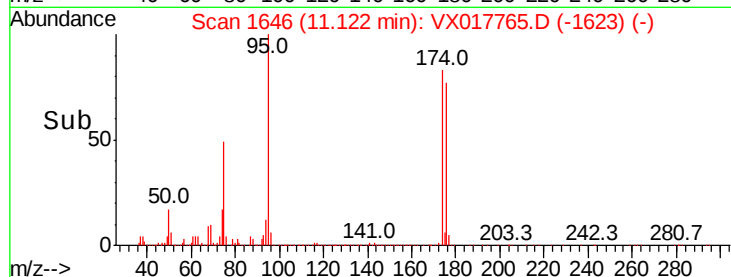
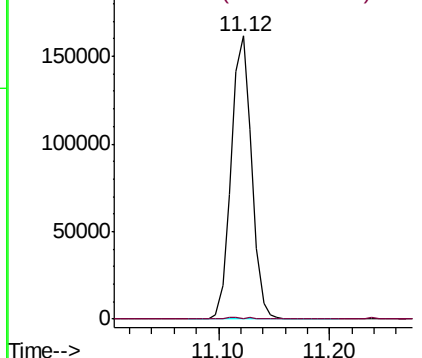
75 100

77 0.5 21.8 65.3#



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: 60.706 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017765.D

Acq: 04 Aug 2020 13:07

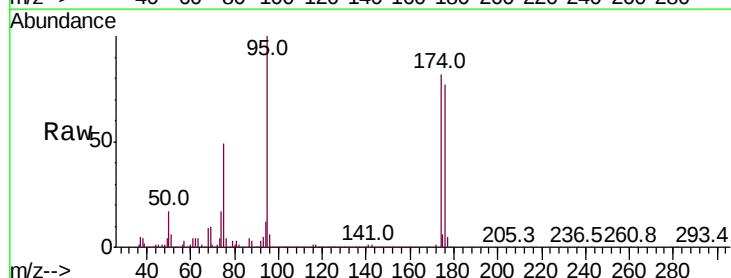
Tgt Ion: 75 Resp: 205120

Ion Ratio Lower Upper

75 100

53 0.5 75.9 113.9#

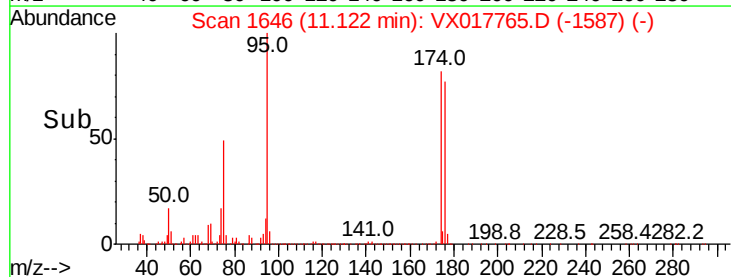
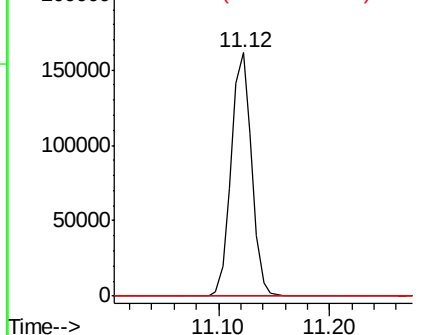
89 0.2 37.8 56.6#

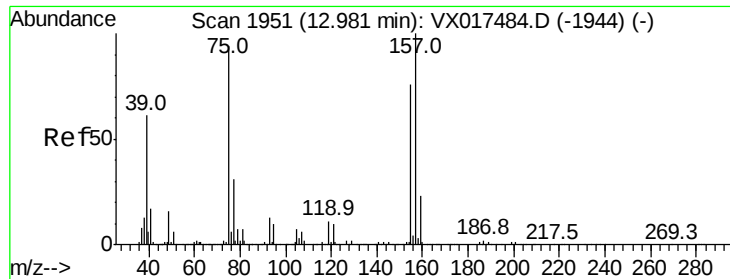


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.694 ug/l

RT: 12.94 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VX017765.D

Acq: 04 Aug 2020 13:07

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 311

Ion Ratio Lower Upper

75 100

155 0.0 42.3 126.8#

157 89.4 54.3 162.9

