

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019106.D
 Acq On : 24 Oct 2020 04:51
 Operator : JC/SP
 Sample : L4470-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW179D-GW-20201015

Quant Time: Oct 26 05:39:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	262370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	453077	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	428820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	214987	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	159877	50.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.74%	
35) Dibromofluoromethane	5.46	113	138768	48.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.76%	
50) Toluene-d8	8.70	98	558407	51.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.12	95	196361	50.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.86%	

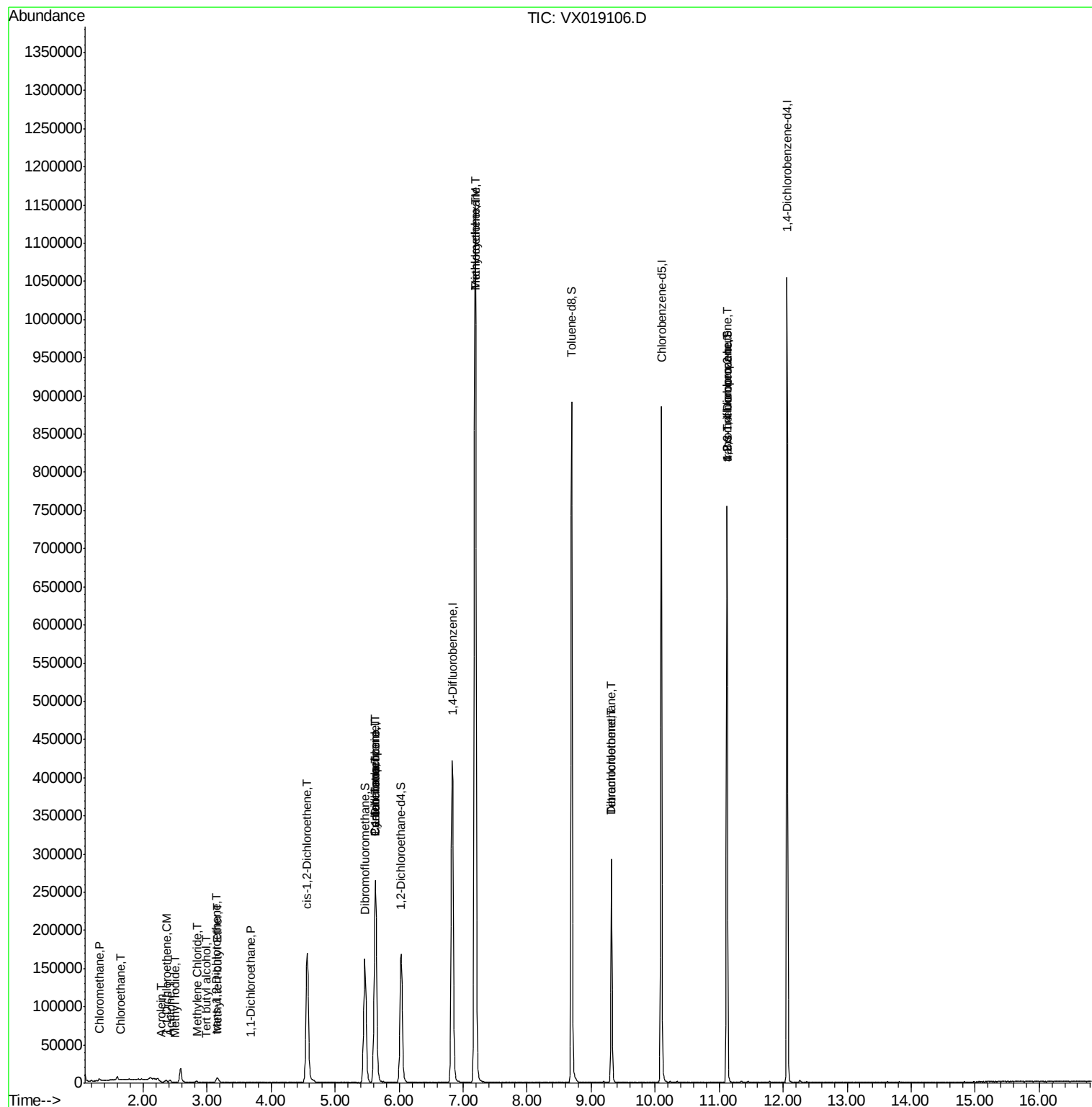
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1353	0.521	ug/l	97
5) Bromomethane	1.64	94	146	Below Cal	#	44
6) Chloroethane	1.65	64	24	1.282	ug/l #	43
10) Methyl Iodide	2.50	142	61	4.786	ug/l #	42
11) Tert butyl alcohol	2.99	59	326	0.512	ug/l #	73
12) 1,1-Dichloroethene	2.36	96	1069	0.419	ug/l	96
13) Acrolein	2.27	56	18	13.696	ug/l #	1
16) Acetone	2.42	43	2424	2.264	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	6755	0.835	ug/l	95
20) Methylene Chloride	2.84	84	830	0.279	ug/l #	87
21) trans-1,2-Dichloroethene	3.14	96	1221	0.410	ug/l #	81
24) 1,1-Dichloroethane	3.67	63	979	0.206	ug/l #	80
27) cis-1,2-Dichloroethene	4.56	96	115513	34.157	ug/l	90
31) Cyclohexane	5.63	56	5105	1.387	ug/l #	3
36) 1,1-Dichloropropene	5.63	75	18975	4.667	ug/l #	48
38) Carbon Tetrachloride	5.63	117	25317	5.933	ug/l #	16
39) Methylcyclohexane	7.19	83	5188	1.139	ug/l #	1
44) Trichloroethene	7.19	130	456909	130.855	ug/l	99
60) Dibromochloromethane	9.32	129	50566	14.391	ug/l #	11
64) Tetrachloroethene	9.32	164	53774	16.470	ug/l	92
76) 1,2,3-Trichloropropane	11.12	75	97601	22.714	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	97601	57.870	ug/l #	15

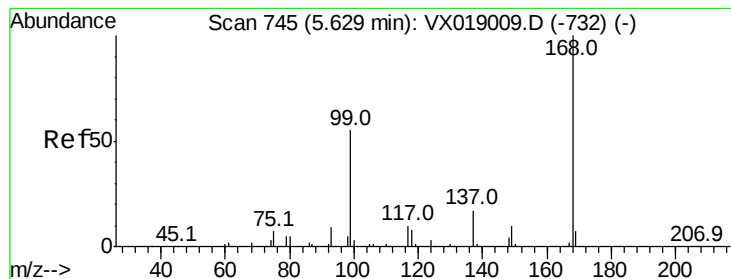
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019106.D

Acq: 24 Oct 2020 04:51

Instrument :

MSVOA_X

ClientSampleId :

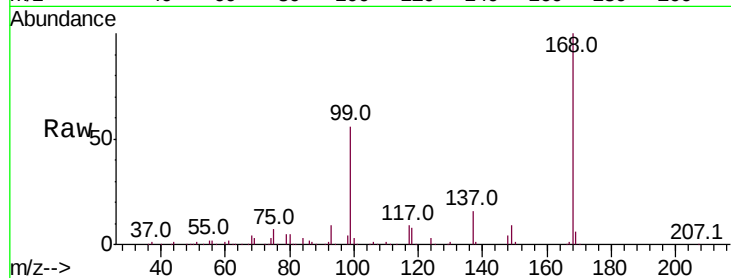
BP-TT-MW179D-GW-20201015

Tot Ion:168 Resp: 262370

Ion Ratio Lower Upper

168 100

99 55.6 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

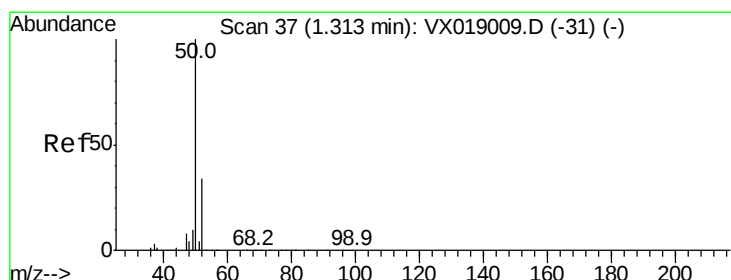
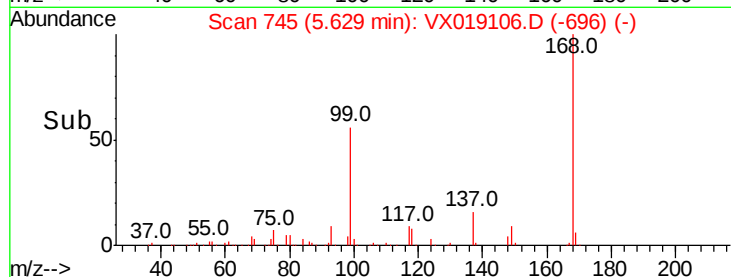
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.521 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019106.D

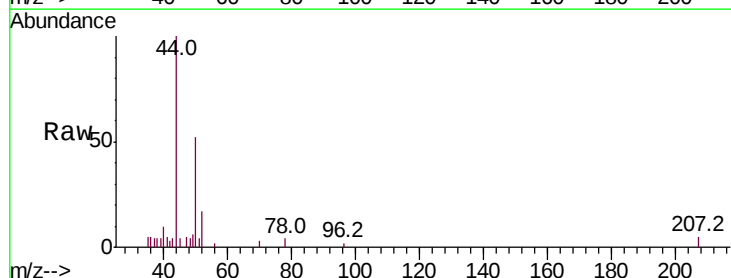
Acq: 24 Oct 2020 04:51

Tgt Ion: 50 Resp: 1353

Ion Ratio Lower Upper

50 100

52 32.0 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

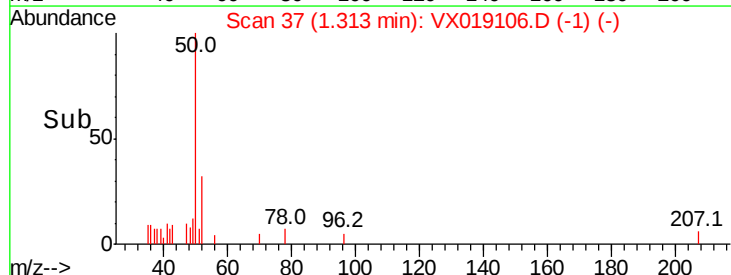
1500

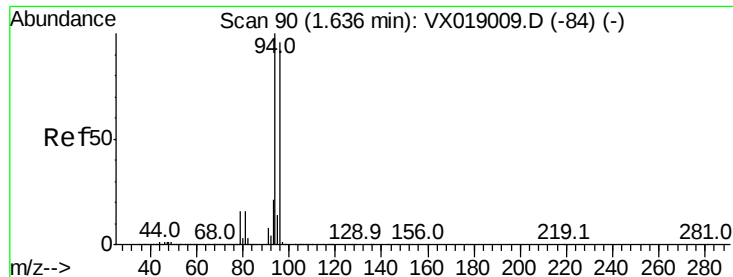
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019106.D

Acq: 24 Oct 2020 04:51

Instrument :

MSVOA_X

ClientSampleId :

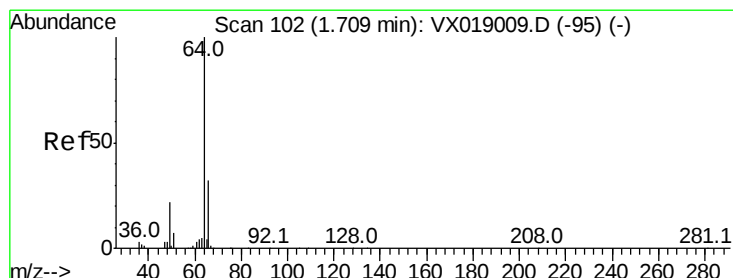
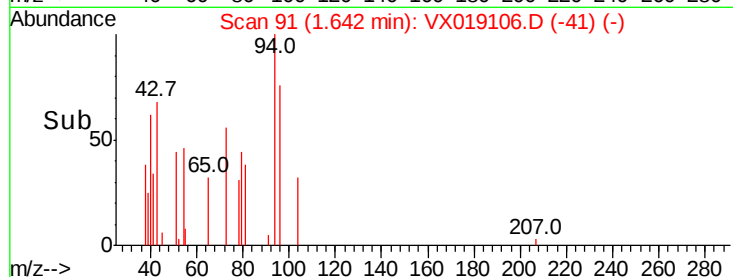
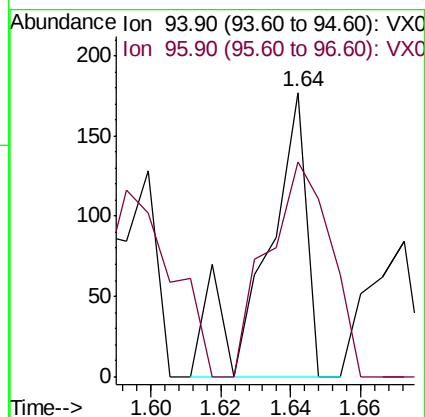
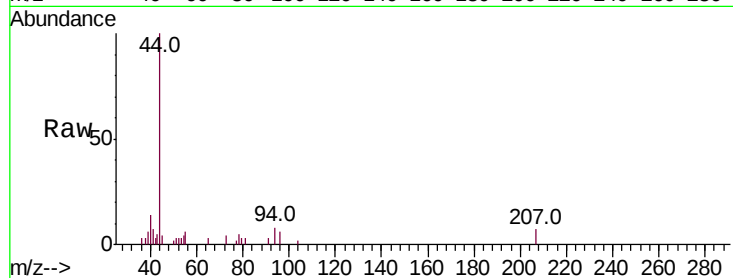
BP-TT-MW179D-GW-20201015

Tot Ion: 94 Resp: 146

Ion Ratio Lower Upper

94 100

96 41.2 77.1 115.7#



#6

Chloroethane

Concen: 1.282 ug/l

RT: 1.65 min Scan# 92

Delta R.T. -0.06 min

Lab File: VX019106.D

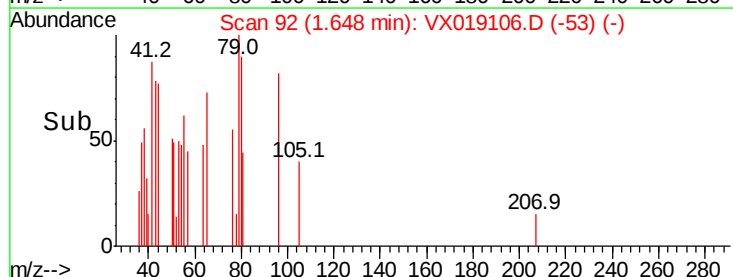
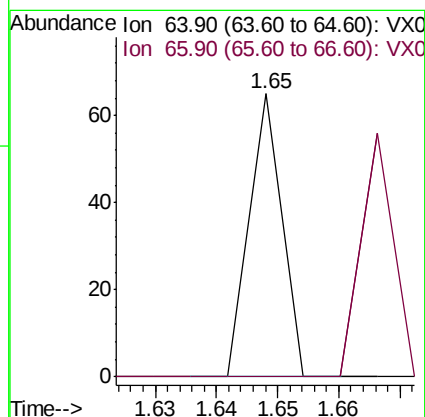
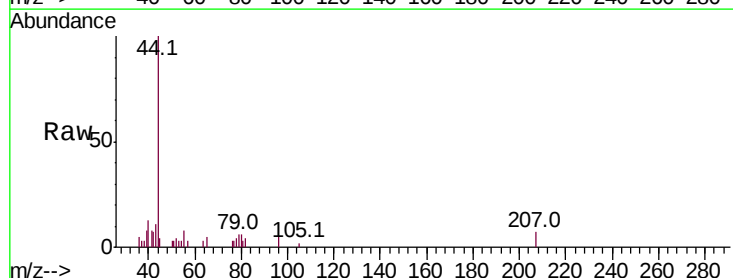
Acq: 24 Oct 2020 04:51

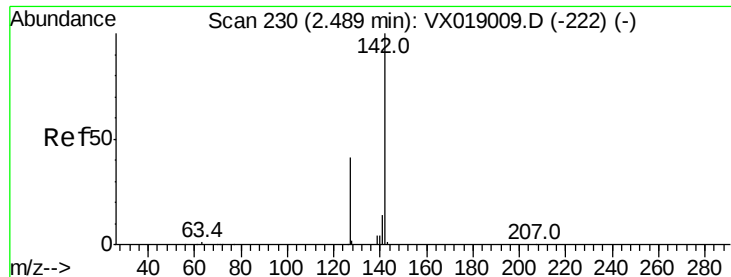
Tgt Ion: 64 Resp: 24

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#





#10

Methyl Iodide

Concen: 4.786 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019106.D

Acq: 24 Oct 2020 04:51

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW179D-GW-20201015

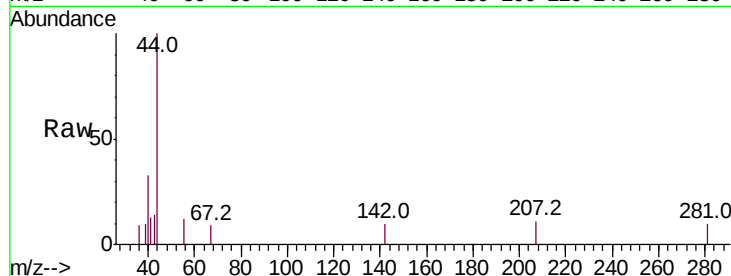
Tot Ion:142 Resp: 61

Ion Ratio Lower Upper

142 100

127 0.0 33.6 50.4#

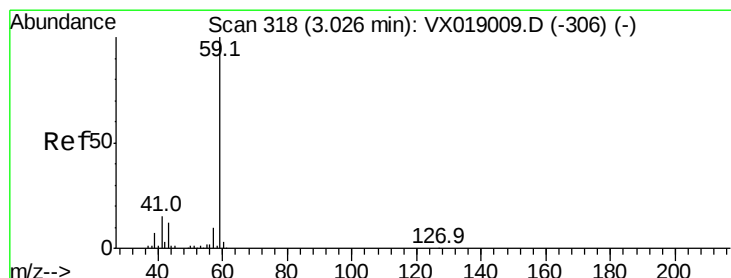
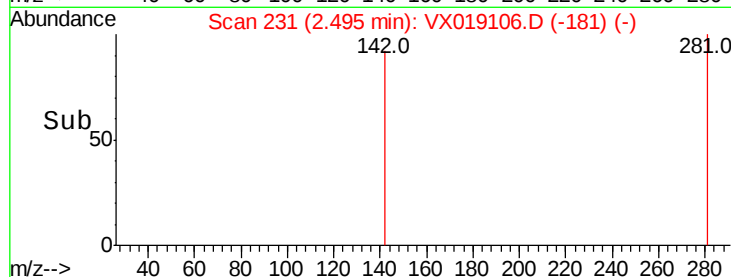
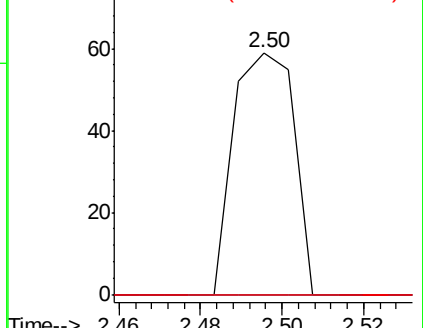
141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.512 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.04 min

Lab File: VX019106.D

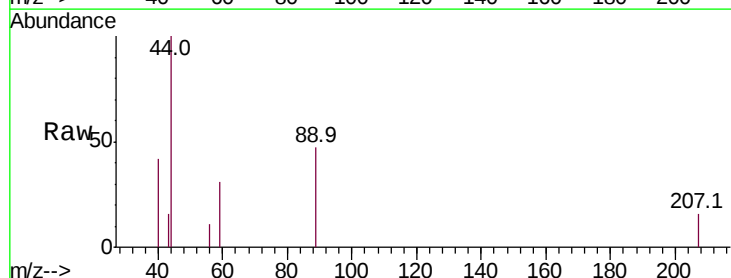
Acq: 24 Oct 2020 04:51

Tgt Ion: 59 Resp: 326

Ion Ratio Lower Upper

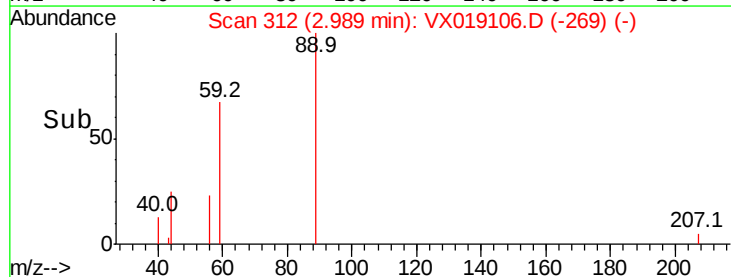
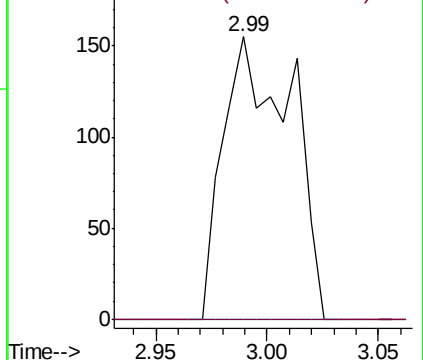
59 100

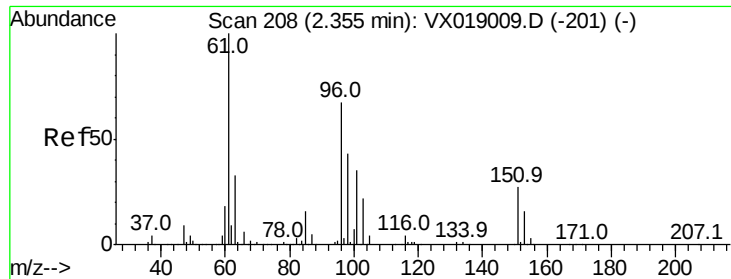
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

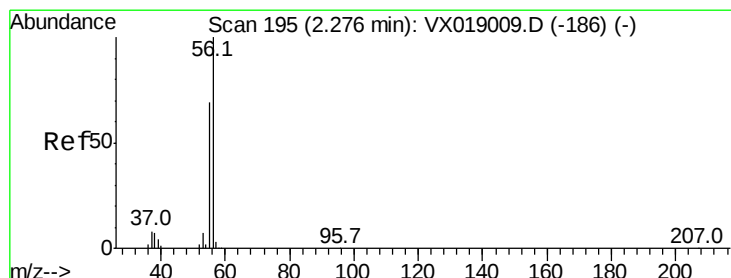
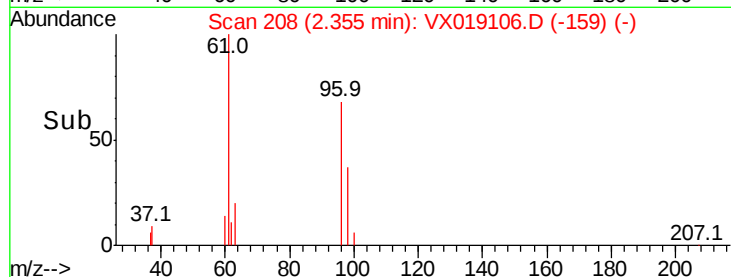
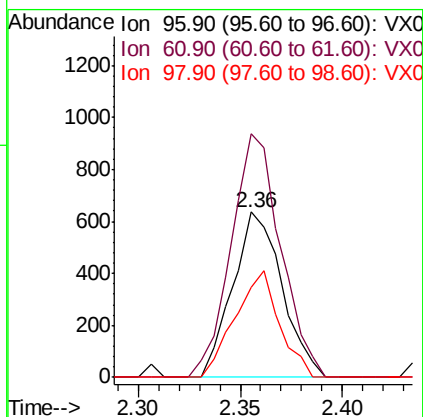
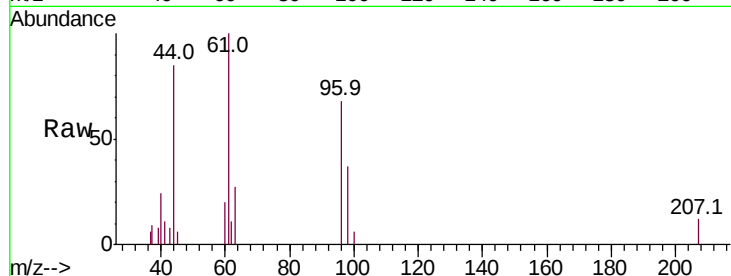




#12
 1,1-Dichloroethene
 Concen: 0.419 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX019106.D
 Acq: 24 Oct 2020 04:51

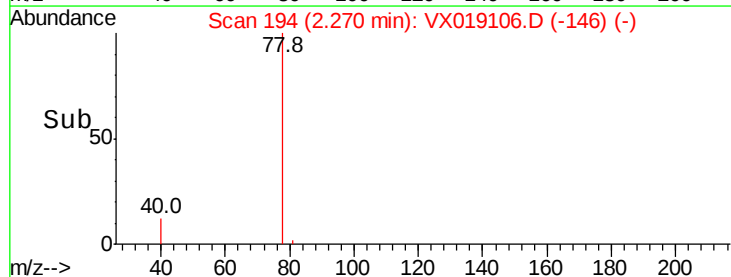
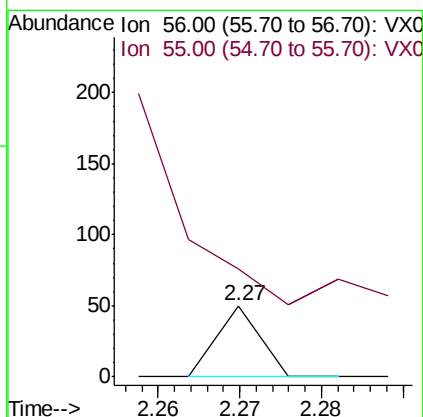
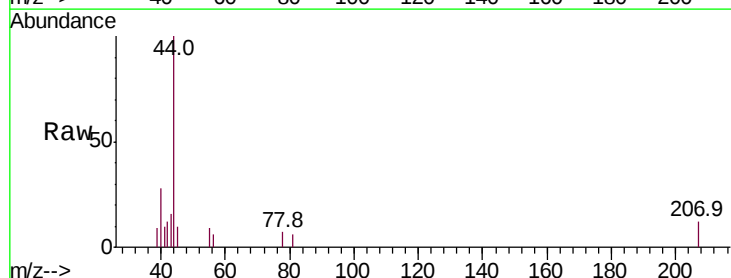
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW179D-GW-20201015

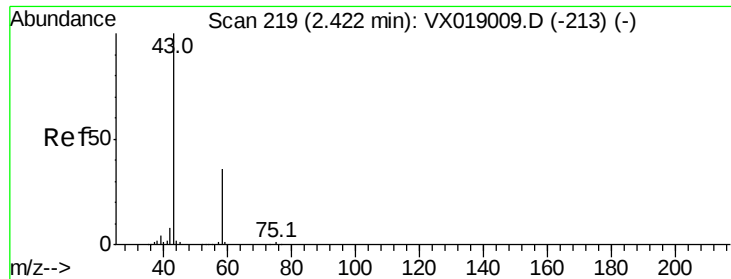
Tot Ion: 96 Resp: 1069
 Ion Ratio Lower Upper
 96 100
 61 147.6 119.0 178.6
 98 54.8 51.0 76.4



#13
 Acrolein
 Concen: 13.696 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.01 min
 Lab File: VX019106.D
 Acq: 24 Oct 2020 04:51

Tgt Ion: 56 Resp: 18
 Ion Ratio Lower Upper
 56 100
 55 1116.7 54.2 81.4#





#16

Acetone

Concen: 2.264 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019106.D

Acq: 24 Oct 2020 04:51

Instrument :

MSVOA_X

ClientSampleId :

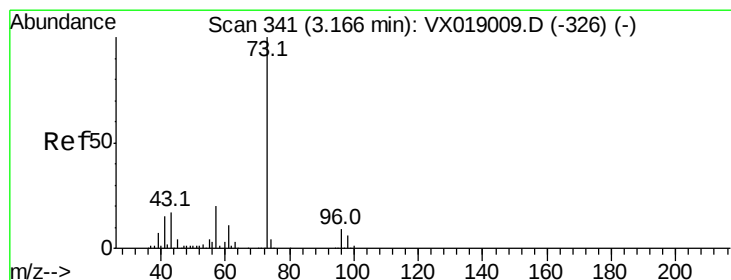
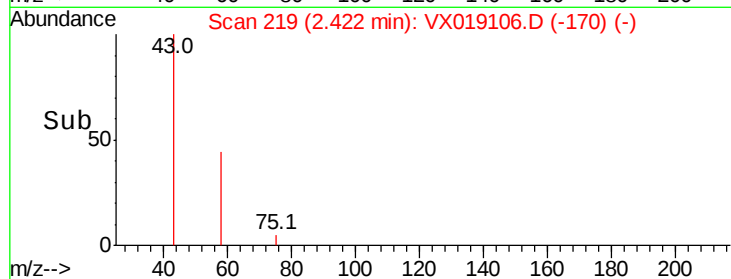
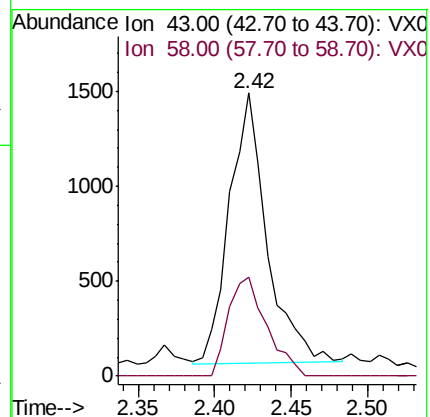
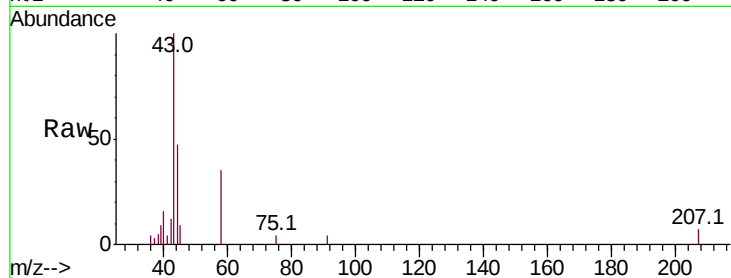
BP-TT-MW179D-GW-20201015

Tot Ion: 43 Resp: 2424

Ion Ratio Lower Upper

43 100

58 37.0 28.6 42.8



#19

Methyl tert-butyl Ether

Concen: 0.835 ug/l

RT: 3.17 min Scan# 342

Delta R.T. 0.01 min

Lab File: VX019106.D

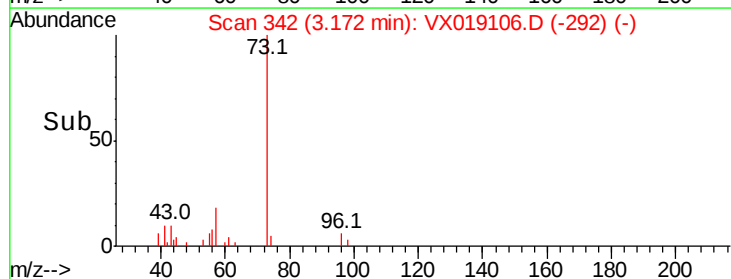
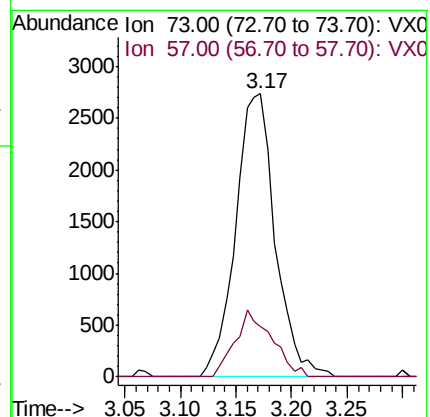
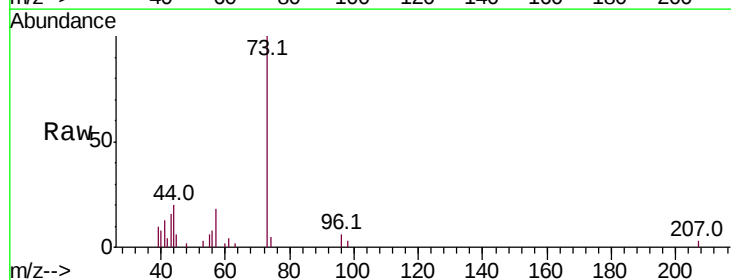
Acq: 24 Oct 2020 04:51

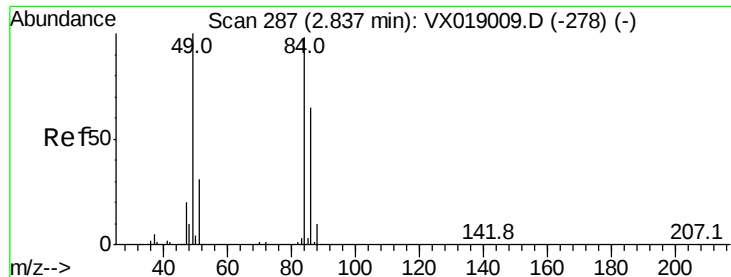
Tgt Ion: 73 Resp: 6755

Ion Ratio Lower Upper

73 100

57 17.8 16.2 24.2

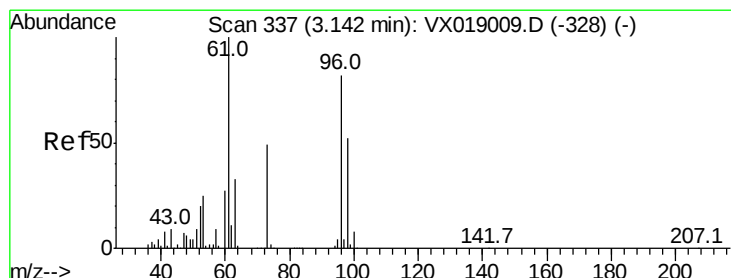
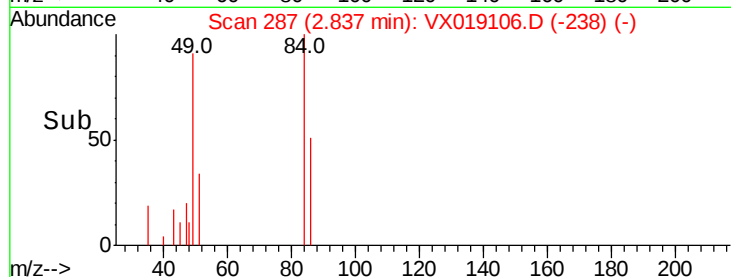
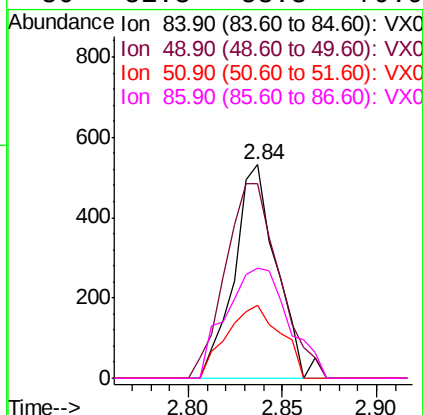
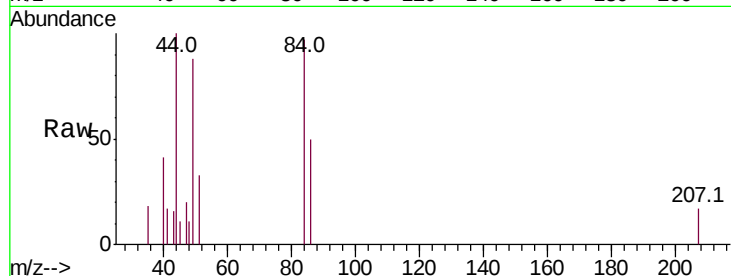




#20
Methylene Chloride
Concen: 0.279 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019106.D
Acq: 24 Oct 2020 04:51

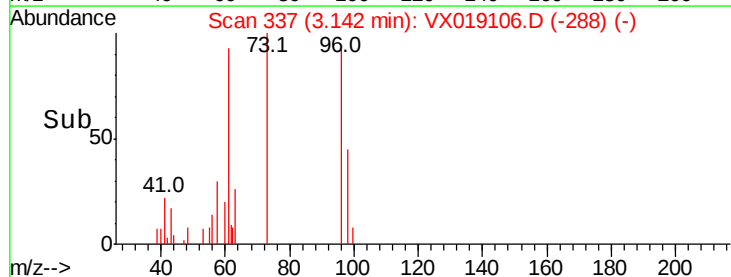
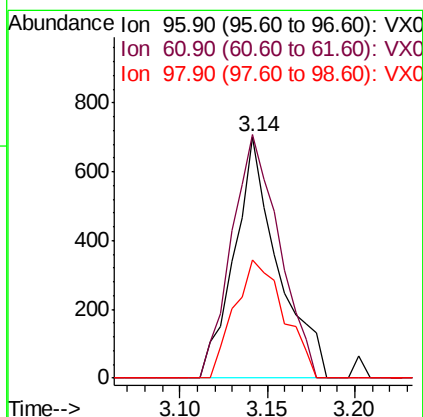
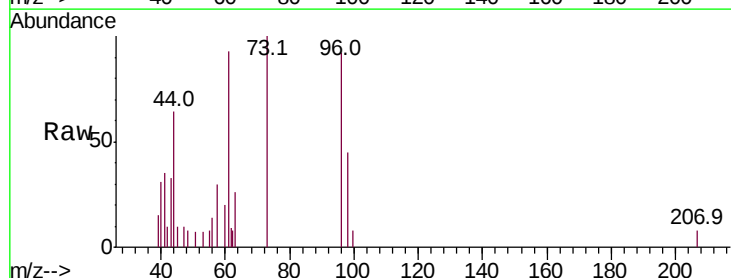
Instrument :
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BP-TT-MW179D-GW-20201015

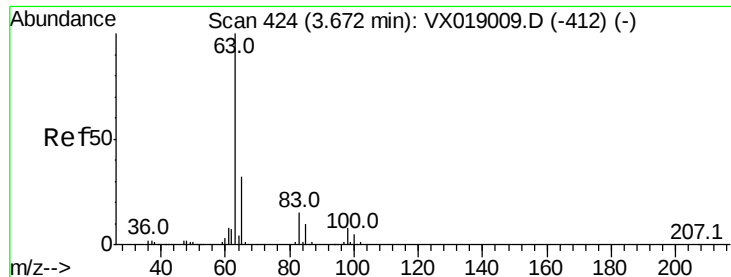
Tot Ion: 84 Resp: 830
Ion Ratio Lower Upper
84 100
49 90.8 81.6 122.4
51 34.0 25.6 38.4
86 51.3 53.3 79.9#



#21
trans-1,2-Dichloroethene
Concen: 0.410 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX019106.D
Acq: 24 Oct 2020 04:51

Tgt Ion: 96 Resp: 1221
Ion Ratio Lower Upper
96 100
61 101.0 97.8 146.6
98 49.1 50.7 76.1#





#24

1,1-Dichloroethane

Concen: 0.206 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX019106.D

Acq: 24 Oct 2020 04:51

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW179D-GW-20201015

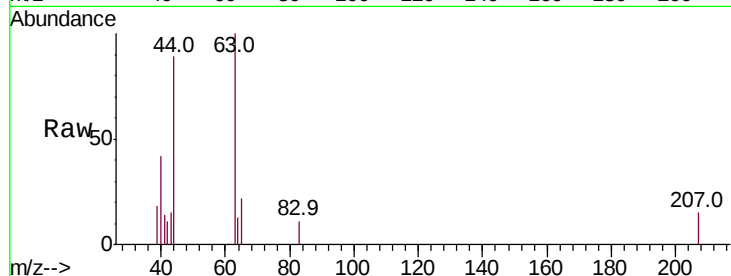
Tot Ion: 63 Resp: 979

Ion Ratio Lower Upper

63 100

98 0.0 4.0 12.0#

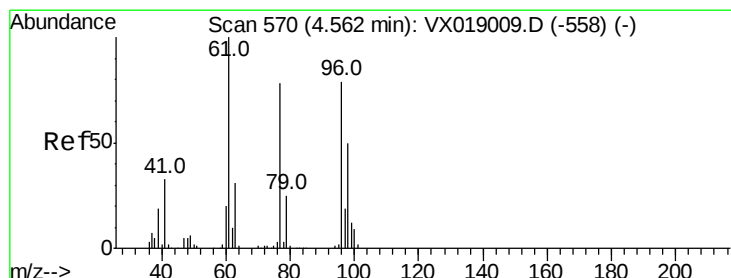
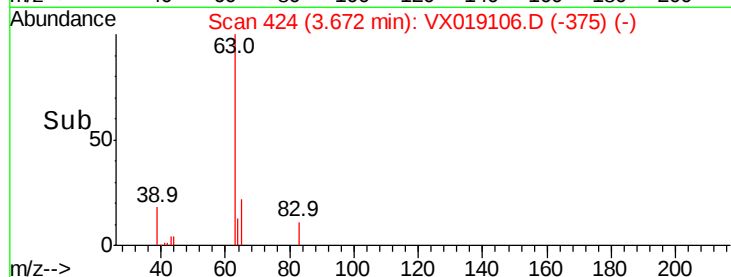
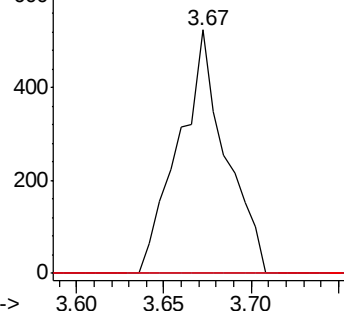
100 0.0 2.5 7.4#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 34.157 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX019106.D

Acq: 24 Oct 2020 04:51

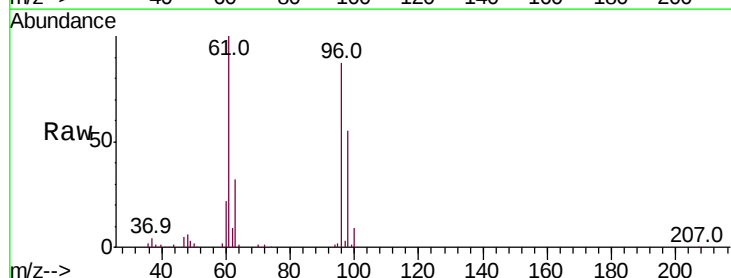
Tgt Ion: 96 Resp: 115513

Ion Ratio Lower Upper

96 100

61 113.1 0.0 260.0

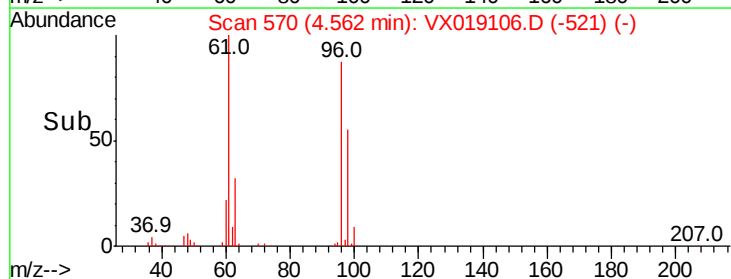
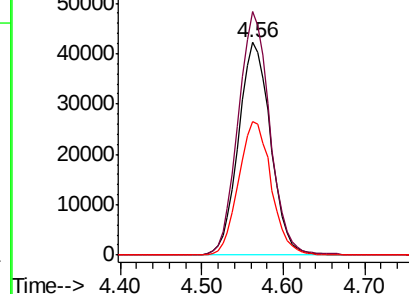
98 63.7 0.0 131.4

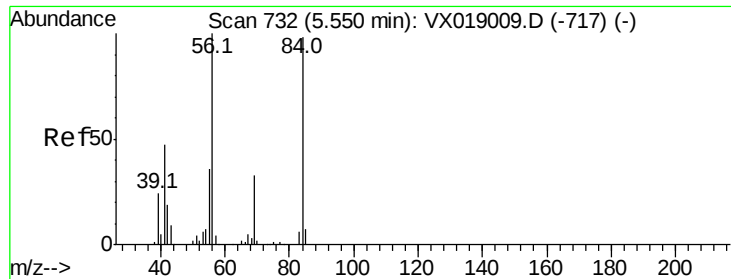


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

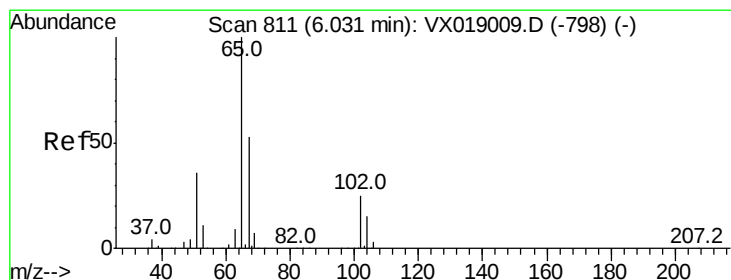
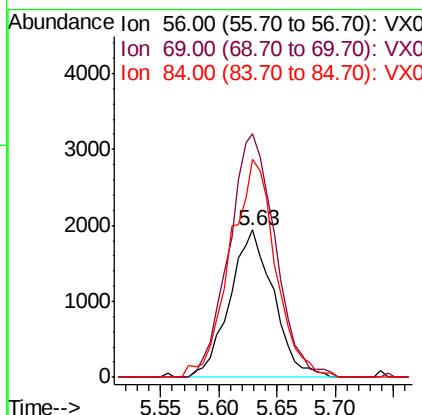
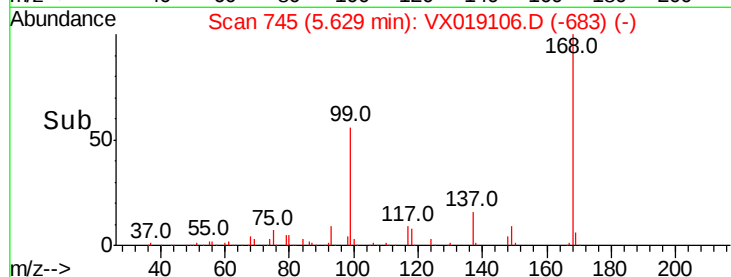
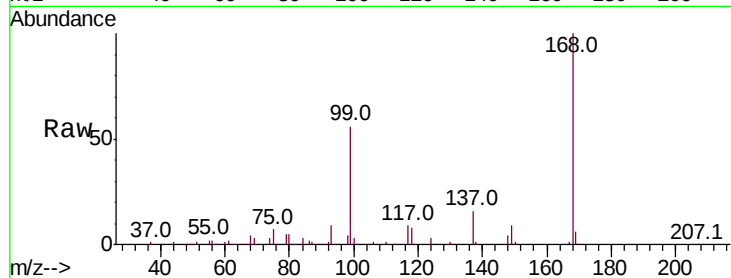




#31
Cyclohexane
Concen: 1.387 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019106.D
Acq: 24 Oct 2020 04:51

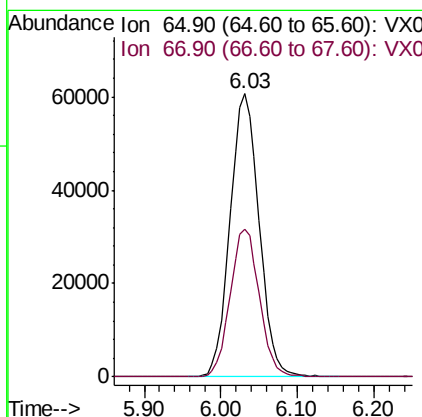
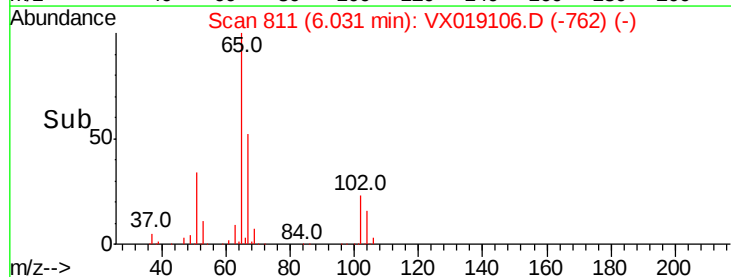
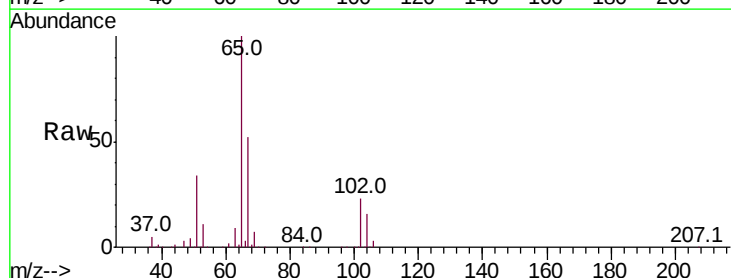
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW179D-GW-20201015

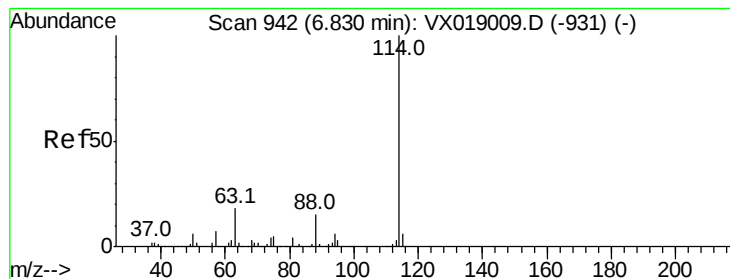
Tot Ion: 56 Resp: 5105
Ion Ratio Lower Upper
56 100
69 165.3 26.2 39.2#
84 148.1 78.3 117.5#



#33
1,2-Dichloroethane-d4
Concen: 50.871 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019106.D
Acq: 24 Oct 2020 04:51

Tgt Ion: 65 Resp: 159877
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019106.D

Acq: 24 Oct 2020 04:51

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW179D-GW-20201015

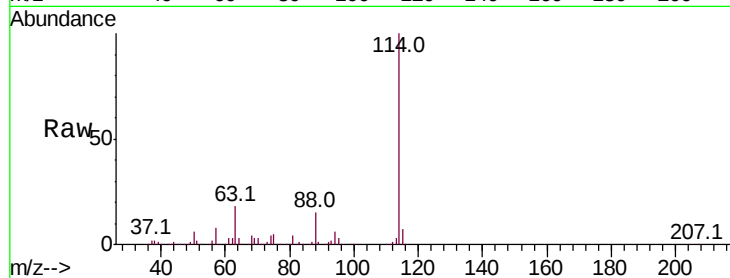
Tot Ion:114 Resp: 453077

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.8

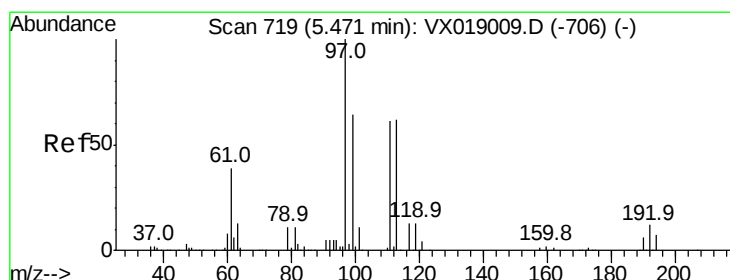
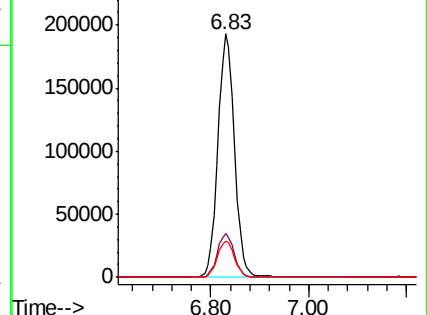
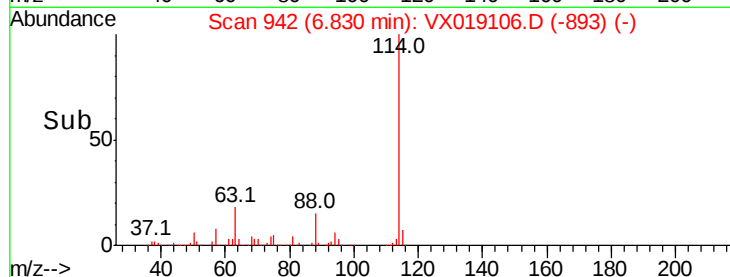
88 14.9 0.0 30.2



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: 48.375 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019106.D

Acq: 24 Oct 2020 04:51

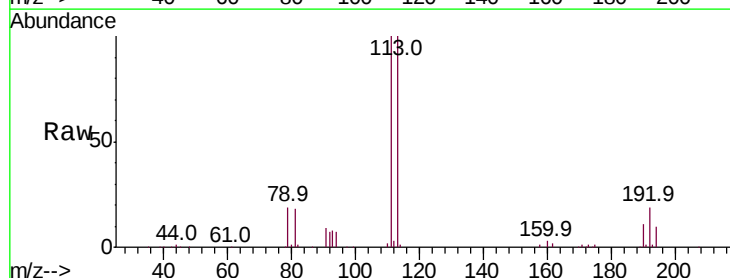
Tgt Ion:113 Resp: 138768

Ion Ratio Lower Upper

113 100

111 103.2 81.5 122.3

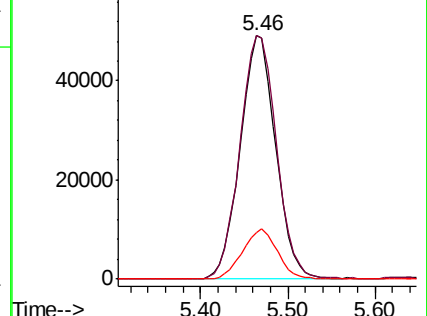
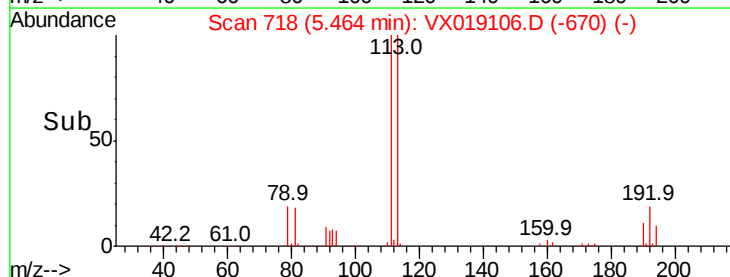
192 20.1 16.3 24.5

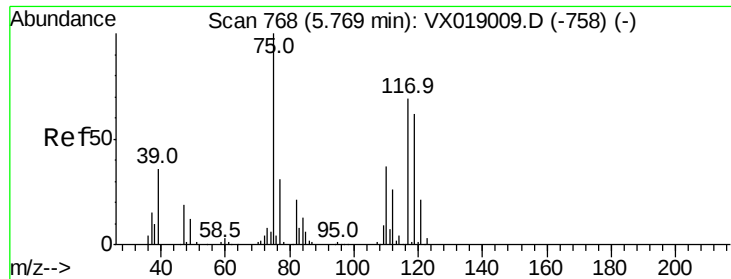


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

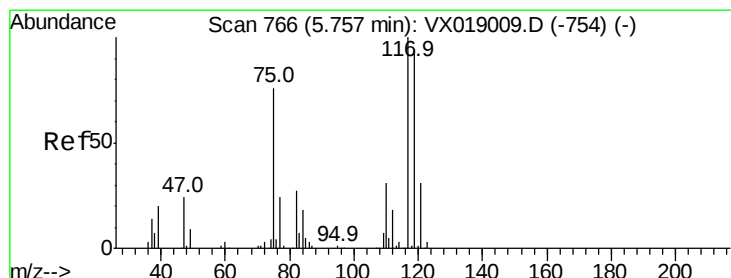
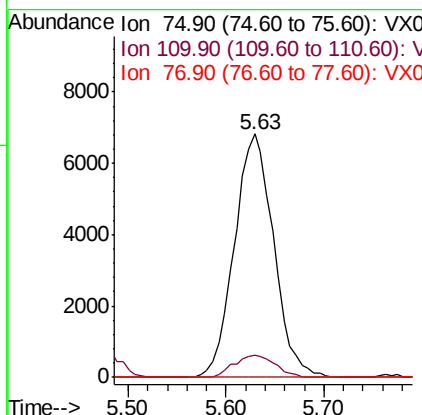
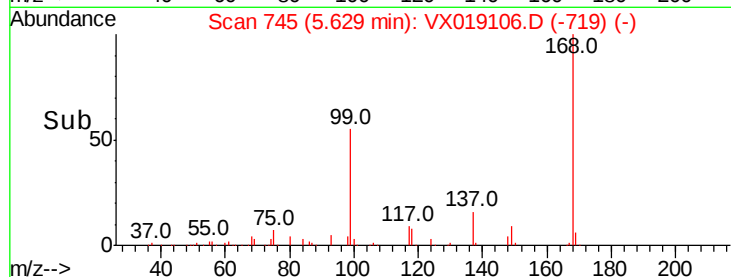
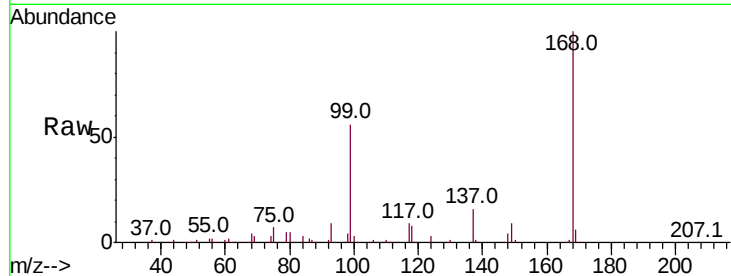




#36
 1,1-Dichloropropene
 Concen: 4.667 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019106.D
 Acq: 24 Oct 2020 04:51

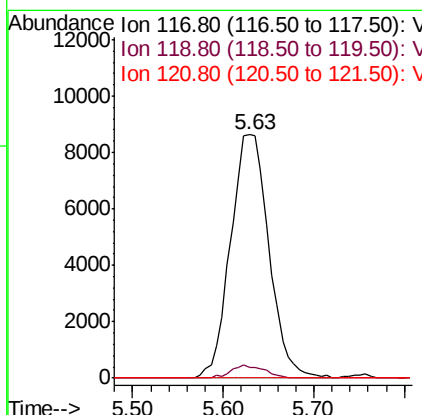
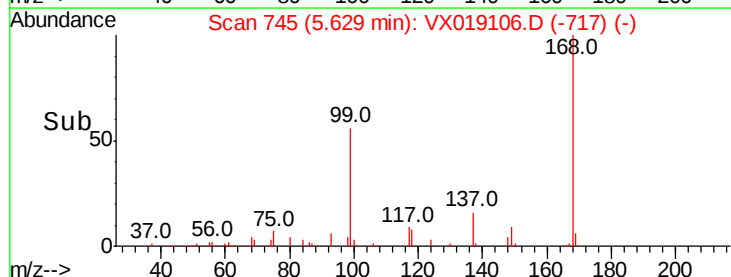
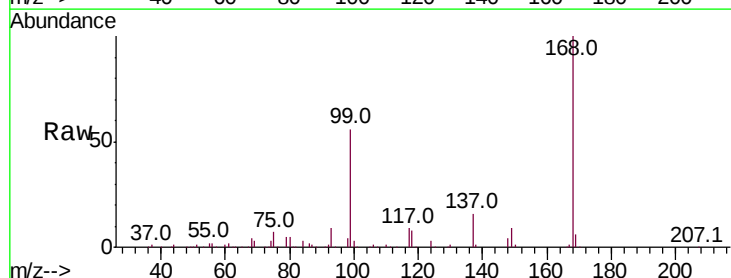
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW179D-GW-20201015

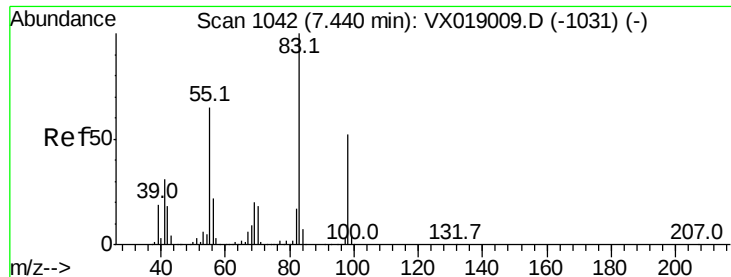
Tot Ion: 75 Resp: 18975
 Ion Ratio Lower Upper
 75 100
 110 9.5 19.4 58.2#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.933 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019106.D
 Acq: 24 Oct 2020 04:51

Tgt Ion: 117 Resp: 25317
 Ion Ratio Lower Upper
 117 100
 119 4.5 75.4 113.0#
 121 0.0 25.0 37.6#

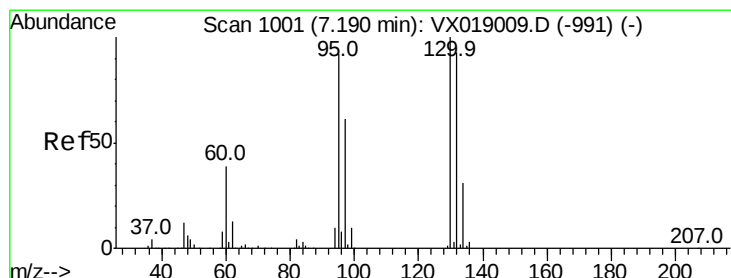
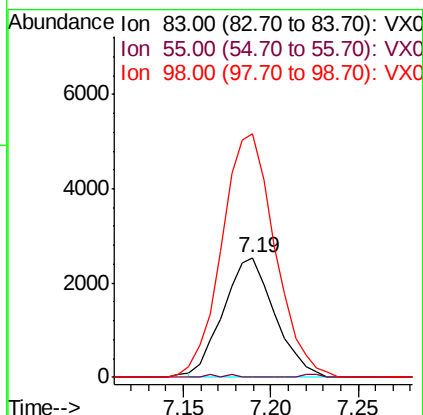
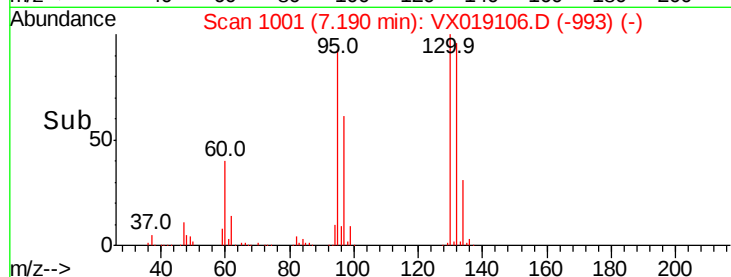
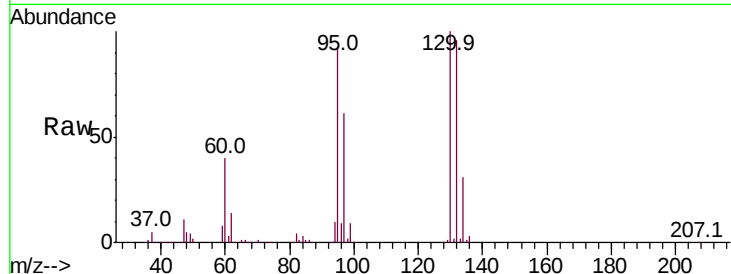




#39
Methylcyclohexane
Concen: 1.139 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.25 min
Lab File: VX019106.D
Acq: 24 Oct 2020 04:51

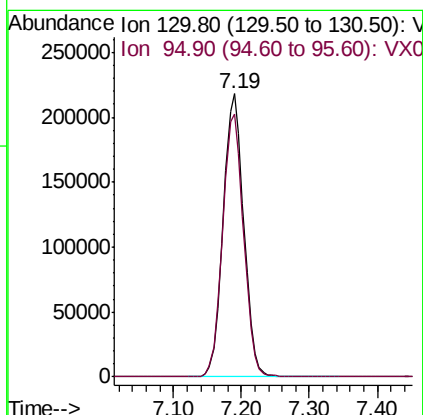
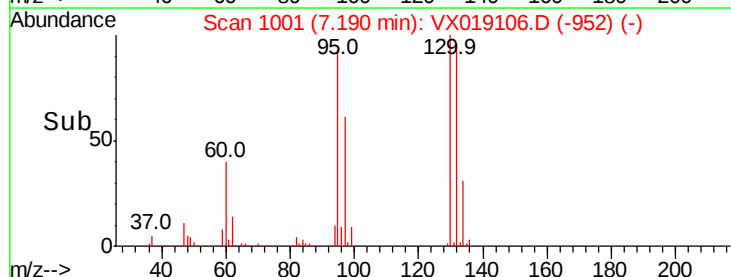
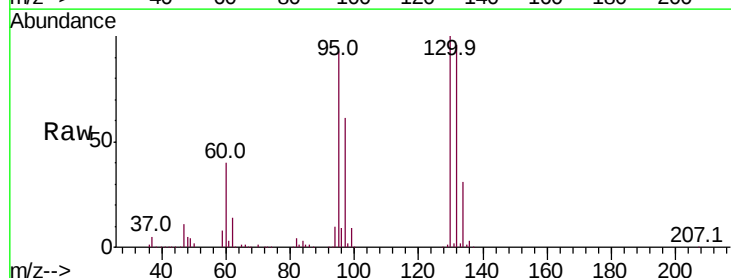
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW179D-GW-20201015

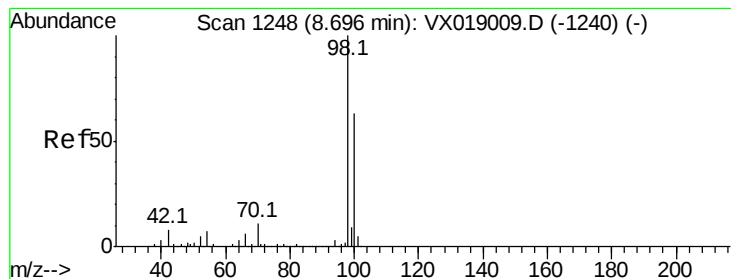
Tot Ion: 83 Resp: 5188
Ion Ratio Lower Upper
83 100
55 0.0 51.8 77.6#
98 203.8 41.4 62.2#



#44
Trichloroethene
Concen: 130.855 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX019106.D
Acq: 24 Oct 2020 04:51

Tgt Ion:130 Resp: 456909
Ion Ratio Lower Upper
130 100
95 93.1 0.0 184.2





#50

Toluene-d8

Concen: 51.012 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019106.D

Acq: 24 Oct 2020 04:51

Instrument :

MSVOA_X

ClientSampleId :

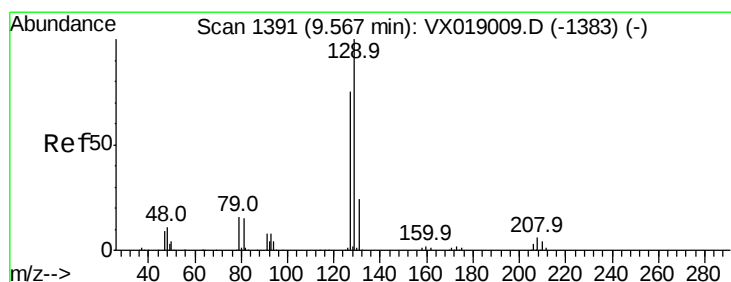
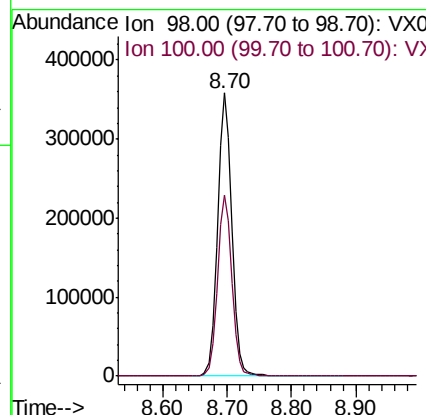
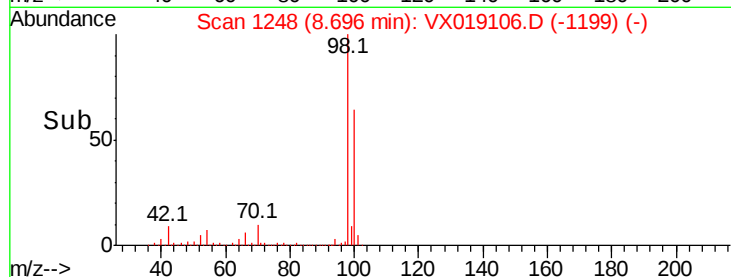
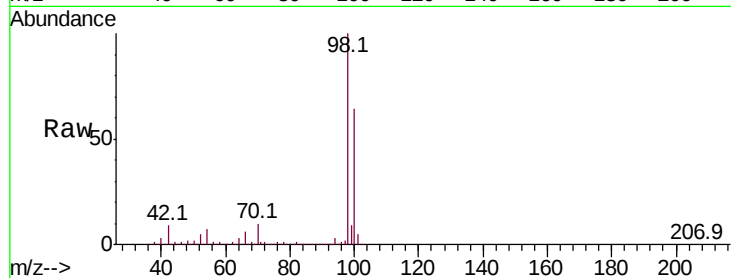
BP-TT-MW179D-GW-20201015

Tot Ion: 98 Resp: 558407

Ion Ratio Lower Upper

98 100

100 64.7 52.1 78.1



#60

Dibromochloromethane

Concen: 14.391 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX019106.D

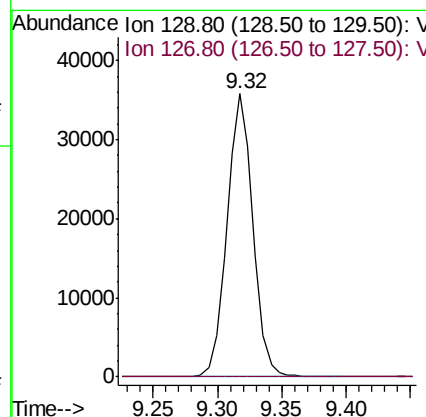
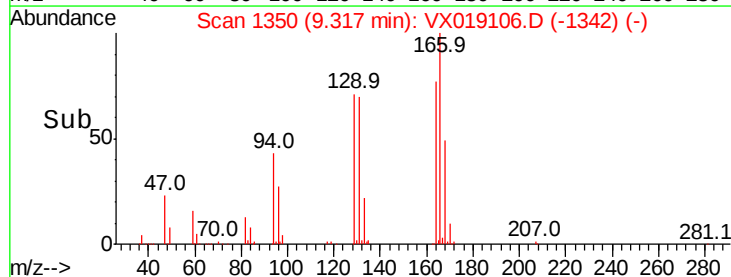
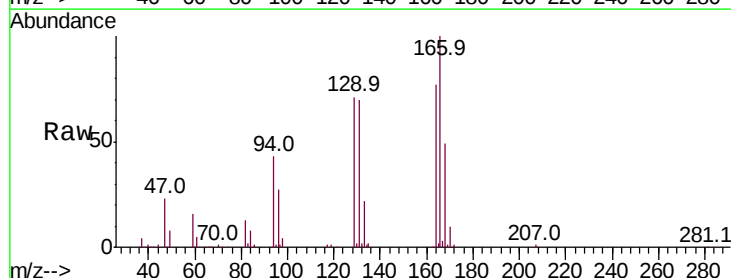
Acq: 24 Oct 2020 04:51

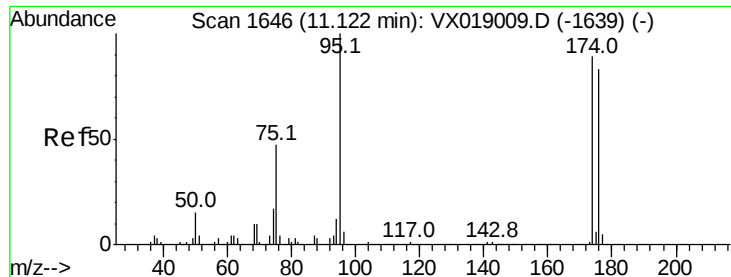
Tgt Ion: 129 Resp: 50566

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.7#





#62

4-Bromofluorobenzene

Concen: 50.430 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019106.D

Acq: 24 Oct 2020 04:51

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW179D-GW-20201015

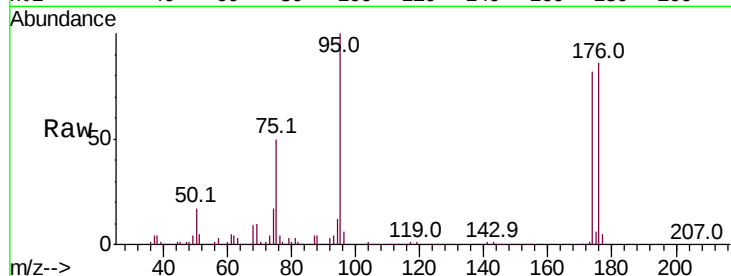
Tot Ion: 95 Resp: 196361

Ion Ratio Lower Upper

95 100

174 82.5 0.0 167.6

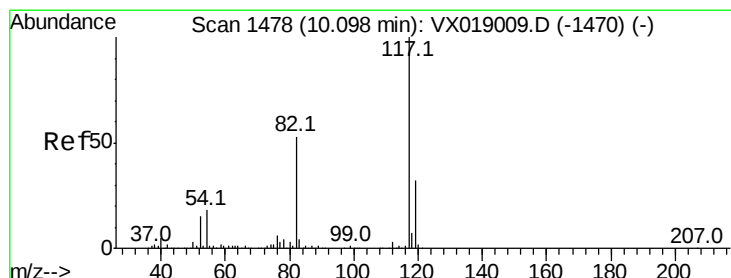
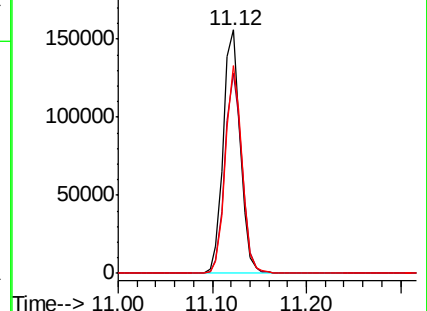
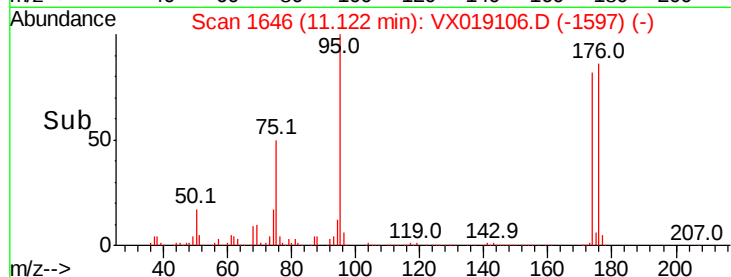
176 82.8 0.0 165.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019106.D

Acq: 24 Oct 2020 04:51

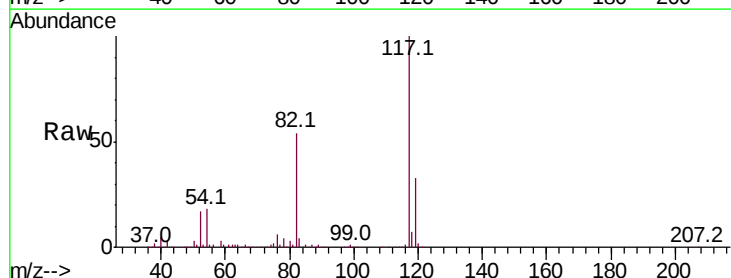
Tgt Ion: 117 Resp: 428820

Ion Ratio Lower Upper

117 100

82 53.5 42.4 63.6

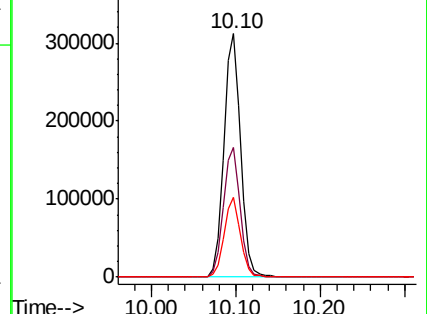
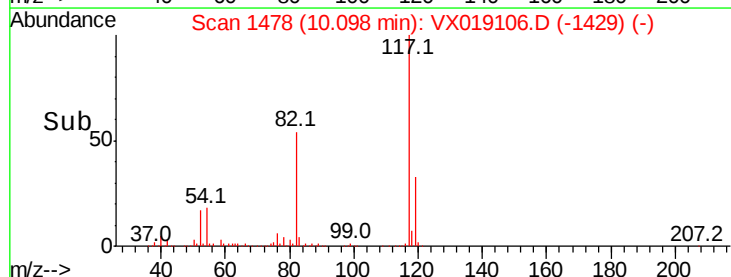
119 32.6 25.6 38.4

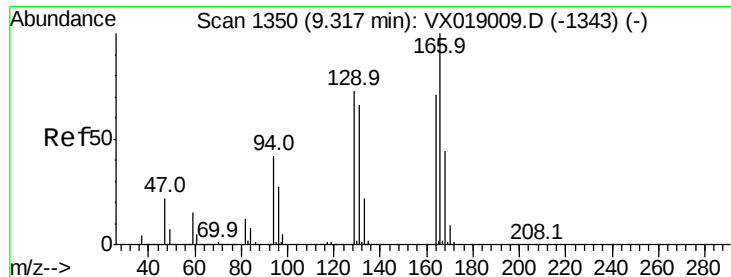


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

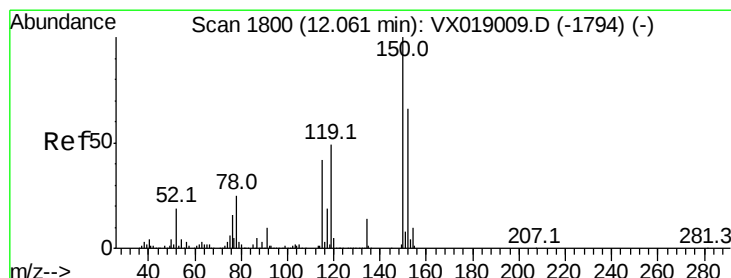
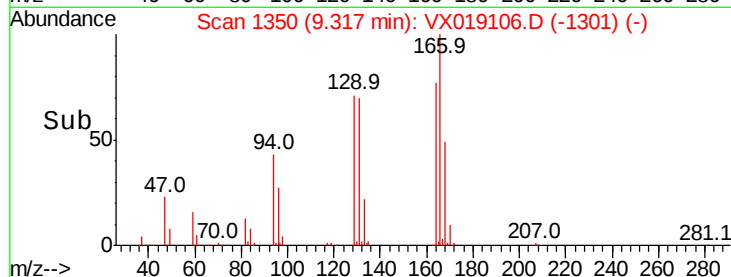
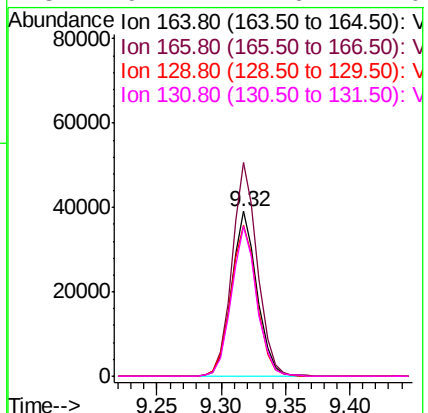
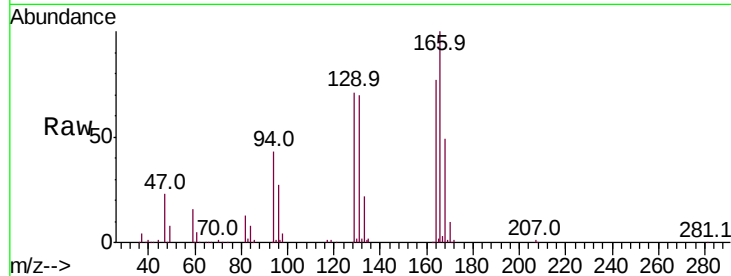




#64
Tetrachloroethene
Concen: 16.470 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019106.D
Acq: 24 Oct 2020 04:51

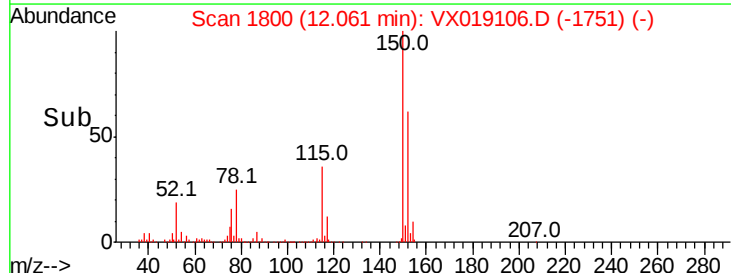
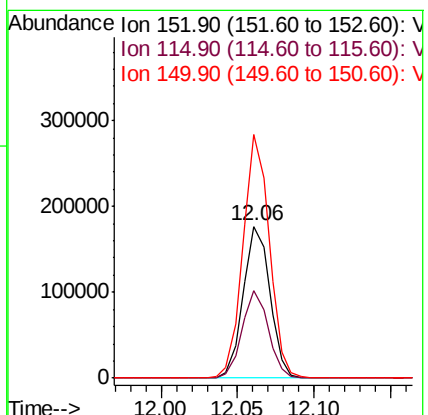
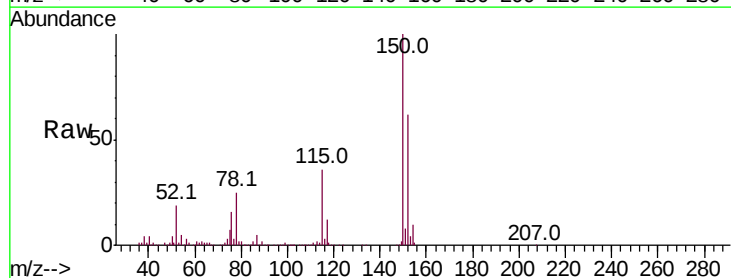
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW179D-GW-20201015

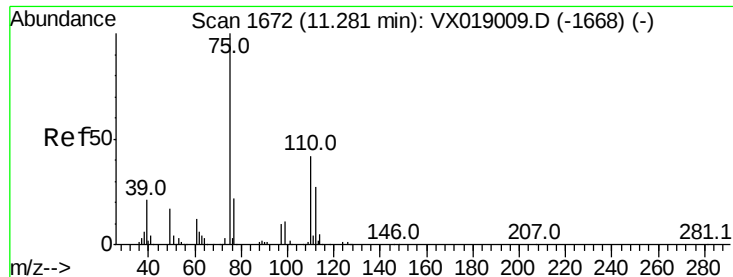
Tot Ion:164 Resp: 53774
Ion Ratio Lower Upper
164 100
166 129.6 112.2 168.4
129 91.5 81.8 122.8
131 91.1 74.6 112.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019106.D
Acq: 24 Oct 2020 04:51

Tgt Ion:152 Resp: 214987
Ion Ratio Lower Upper
152 100
115 56.7 40.8 122.5
150 158.0 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 22.714 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019106.D

Acq: 24 Oct 2020 04:51

Instrument :

MSVOA_X

ClientSampleId :

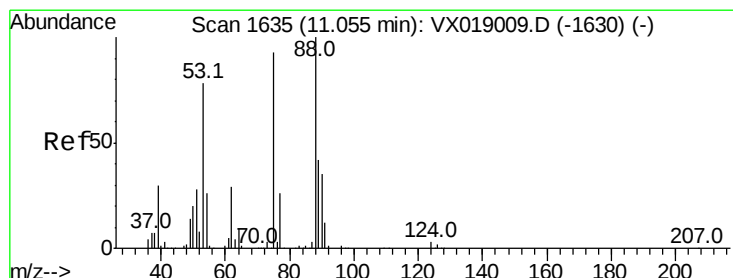
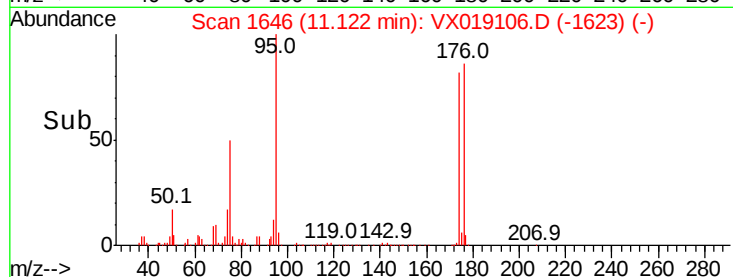
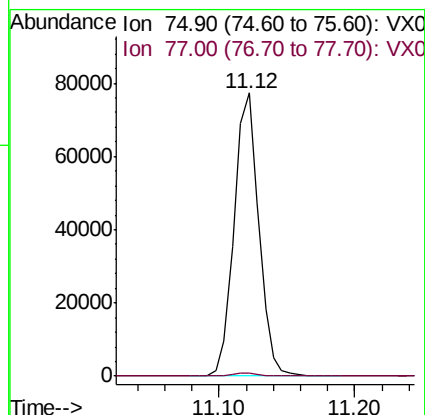
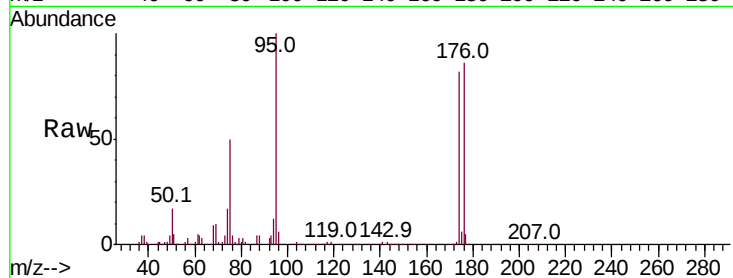
BP-TT-MW179D-GW-20201015

Tot Ion: 75 Resp: 97601

Ion Ratio Lower Upper

75 100

77 1.1 20.7 62.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.870 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019106.D

Acq: 24 Oct 2020 04:51

Tgt Ion: 75 Resp: 97601

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 37.2 55.8#

