

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX103120\
 Data File : VX019194.D
 Acq On : 29 Oct 2020 17:40
 Operator : JC/MD
 Sample : L4470-02RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

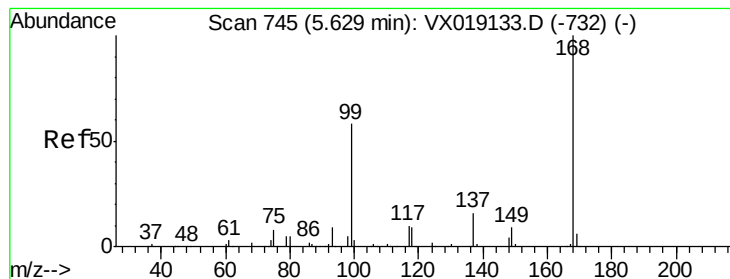
Quant Time: Oct 30 04:02:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	294054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	510298	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	483345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	250213	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	197741	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
35) Dibromofluoromethane	5.46	113	157191	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
50) Toluene-d8	8.70	98	624565	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
62) 4-Bromofluorobenzene	11.12	95	244420	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1777	0.649	ug/l	97
10) Methyl Iodide	2.49	142	598	6.538	ug/l #	82
11) Tert butyl alcohol	2.99	59	766	1.023	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	1261	0.442	ug/l	81
13) Acrolein	2.28	56	155	6.100	ug/l #	16
16) Acetone	2.42	43	3315	2.534	ug/l	97
17) Carbon Disulfide	2.55	76	1186	0.904	ug/l #	95
18) Methyl Acetate	2.59	43	9621	3.024	ug/l #	47
19) Methyl tert-butyl Ether	3.17	73	8358	0.846	ug/l	95
20) Methylene Chloride	2.83	84	849	0.258	ug/l #	90
21) trans-1,2-Dichloroethene	3.14	96	1097	0.334	ug/l	96
24) 1,1-Dichloroethane	3.67	63	1179	0.219	ug/l #	87
27) cis-1,2-Dichloroethene	4.56	96	135608	36.998	ug/l	92
31) Cyclohexane	5.63	56	6490	1.354	ug/l #	6
36) 1,1-Dichloropropene	5.63	75	23098	4.902	ug/l #	49
38) Carbon Tetrachloride	5.63	117	30281	6.304	ug/l #	17
44) Trichloroethene	7.19	130	510947	133.533	ug/l	97
49) 1,4-Dioxane	7.73	88	49	0.625	ug/l #	1
60) Dibromochloromethane	9.32	129	56146	15.216	ug/l #	11
64) Tetrachloroethene	9.32	164	58019	15.755	ug/l	94
76) 1,2,3-Trichloropropane	11.12	75	125088	24.212	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	125088	63.750	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019194.D

Acq: 29 Oct 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

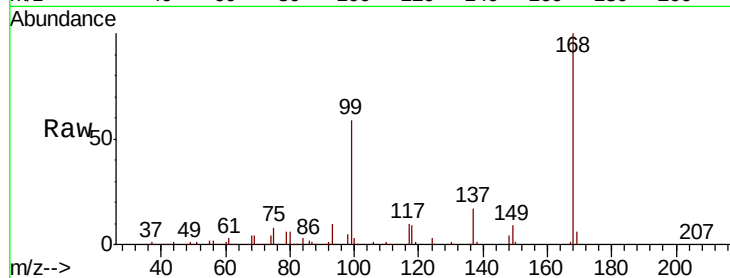
BP-TT-MW179D-GW-20201015RE

Tot Ion:168 Resp: 294054

Ion Ratio Lower Upper

168 100

99 59.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

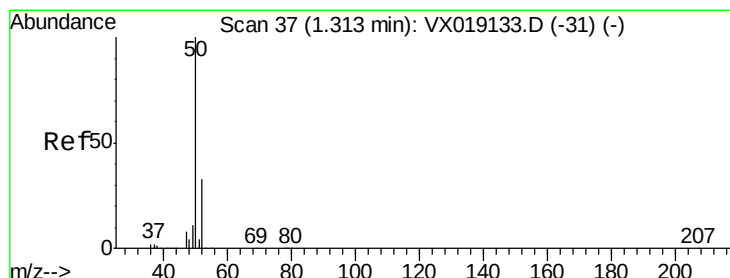
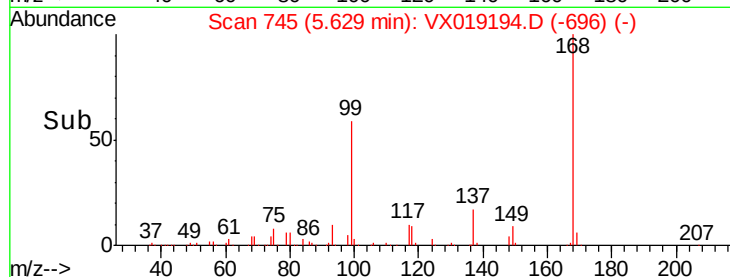
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.649 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019194.D

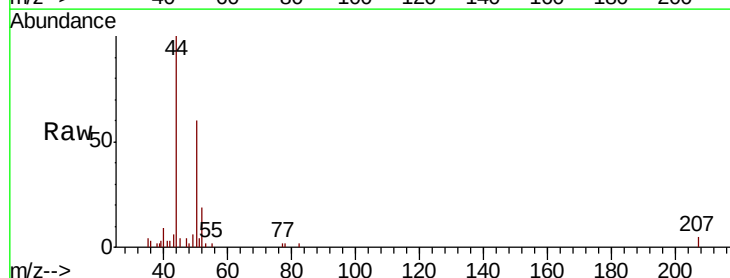
Acq: 29 Oct 2020 17:40

Tgt Ion: 50 Resp: 1777

Ion Ratio Lower Upper

50 100

52 31.8 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2000

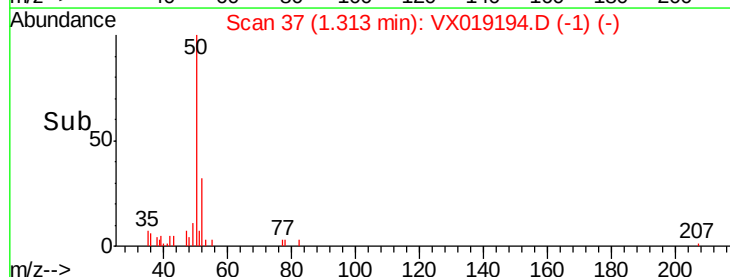
1500

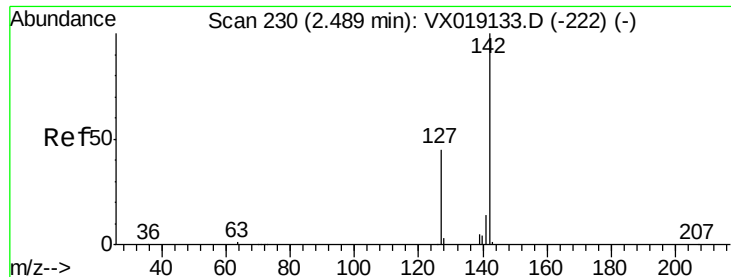
1000

500

0

Time-->

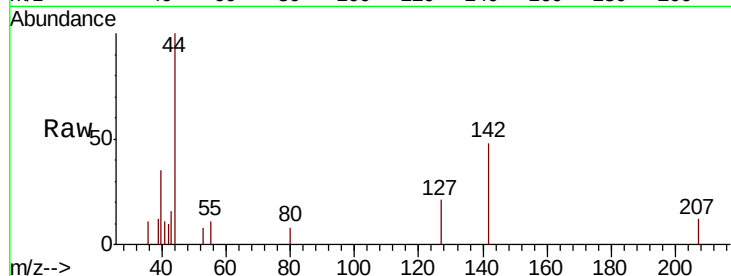




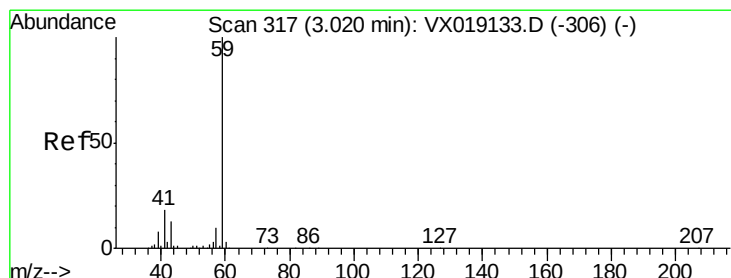
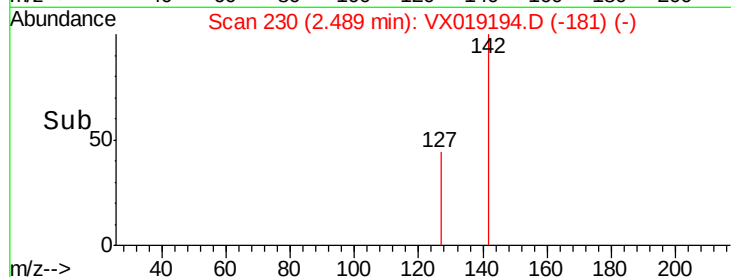
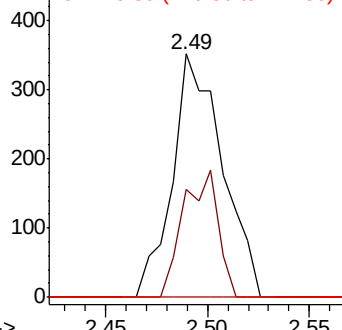
#10
Methyl Iodide
Concen: 6.538 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX019194.D
Acq: 29 Oct 2020 17:40

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

Tot Ion:142 Resp: 598
Ion Ratio Lower Upper
142 100
127 36.5 36.1 54.1
141 0.0 11.3 16.9#

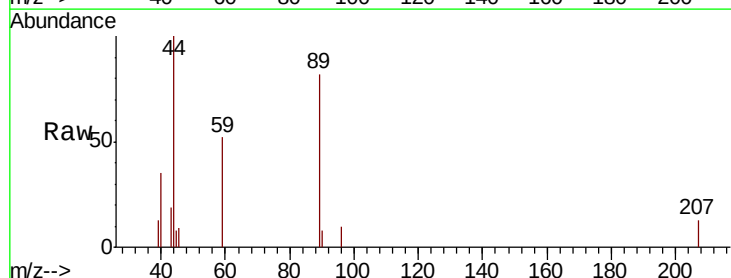


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

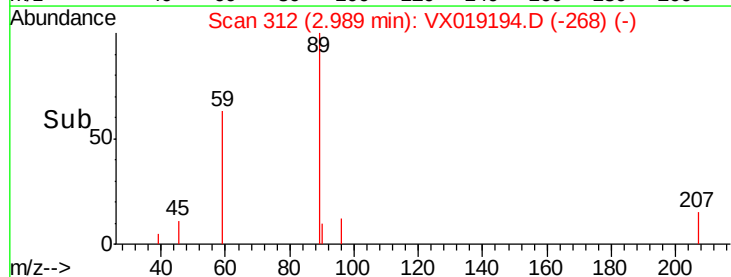
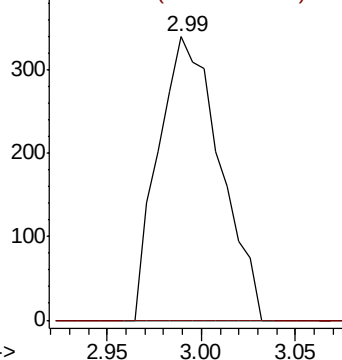


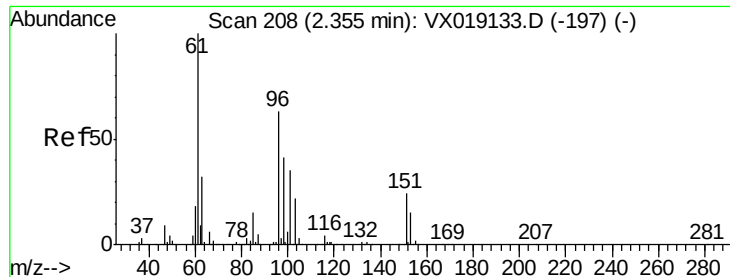
#11
Tert butyl alcohol
Concen: 1.023 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX019194.D
Acq: 29 Oct 2020 17:40

Tgt Ion: 59 Resp: 766
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



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

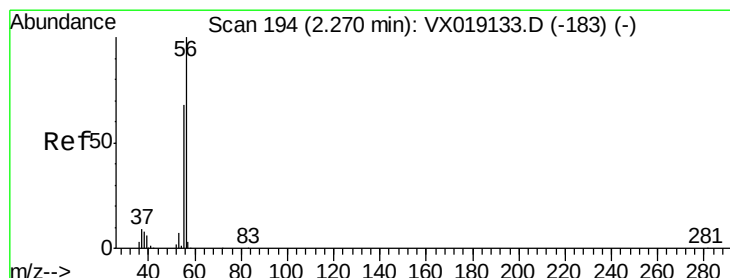
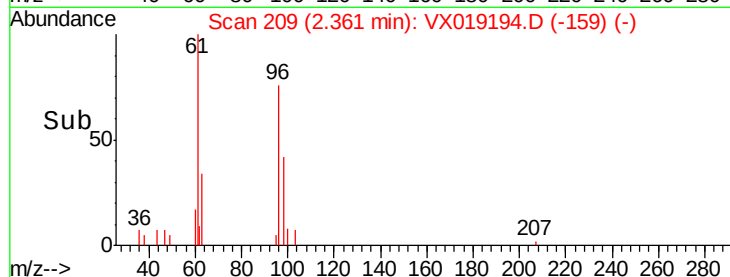
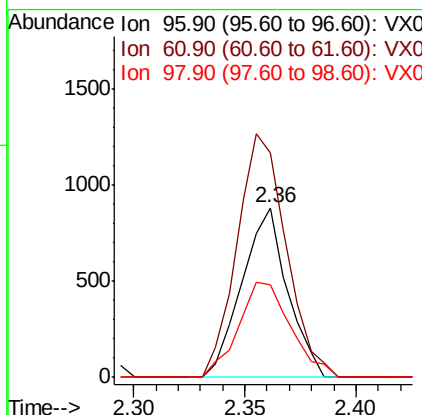
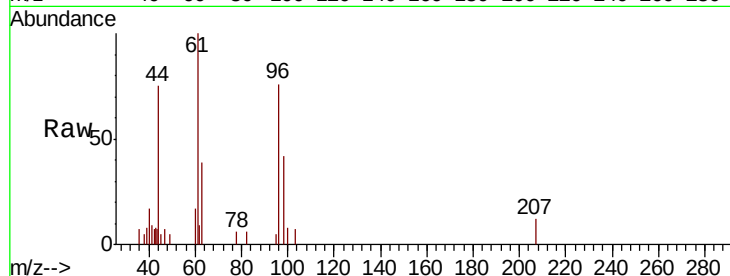




#12
 1,1-Dichloroethene
 Concen: 0.442 ug/l
 RT: 2.36 min Scan# 209
 Delta R.T. 0.01 min
 Lab File: VX019194.D
 Acq: 29 Oct 2020 17:40

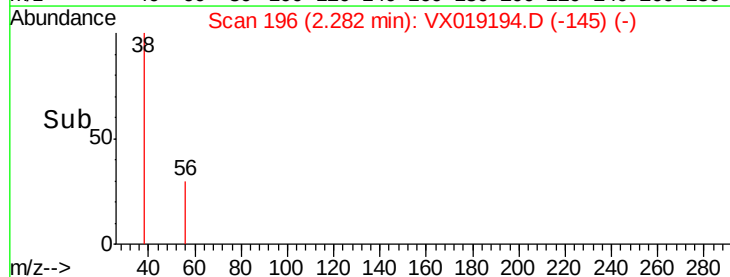
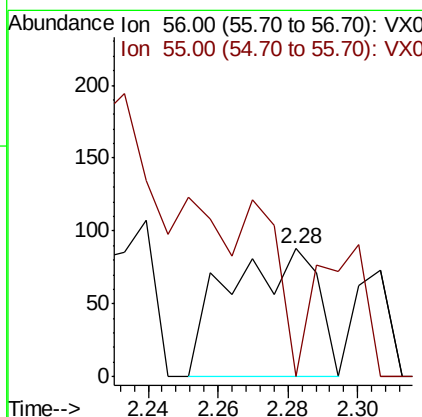
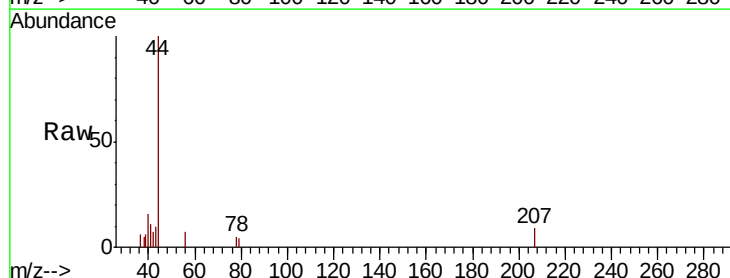
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW179D-GW-20201015RE

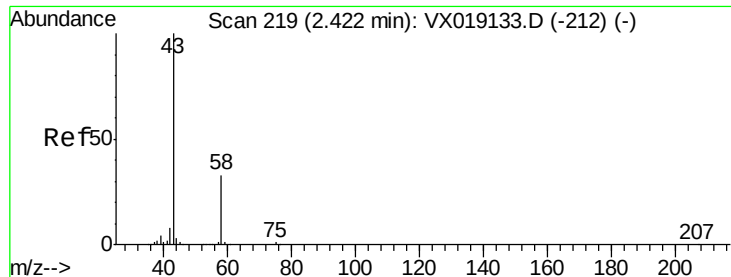
Tot Ion: 96 Resp: 1261
 Ion Ratio Lower Upper
 96 100
 61 132.0 127.7 191.5
 98 54.9 52.1 78.1



#13
 Acrolein
 Concen: 6.100 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX019194.D
 Acq: 29 Oct 2020 17:40

Tgt Ion: 56 Resp: 155
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.7 82.1#





#16

Acetone

Concen: 2.534 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX019194.D

Acq: 29 Oct 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

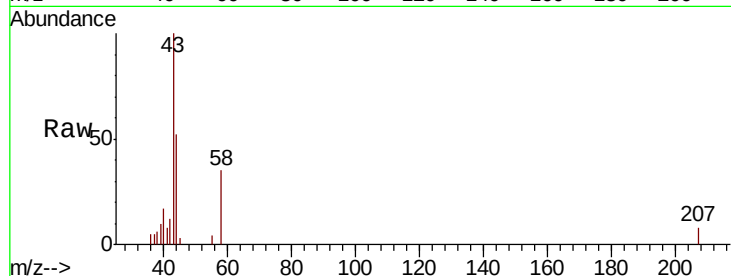
BP-TT-MW179D-GW-20201015RE

Tot Ion: 43 Resp: 3315

Ion Ratio Lower Upper

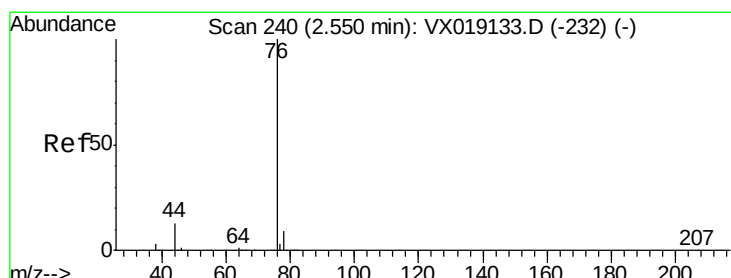
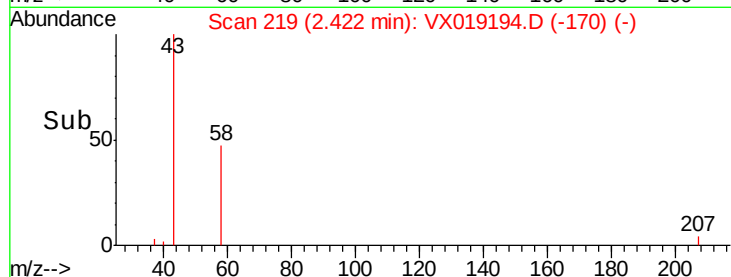
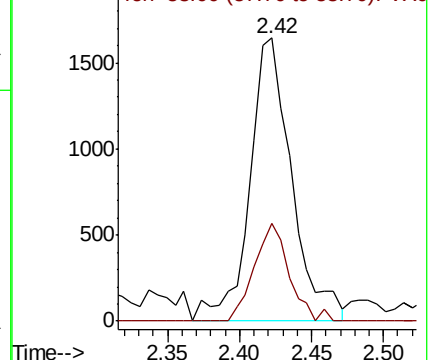
43 100

58 34.6 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.904 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019194.D

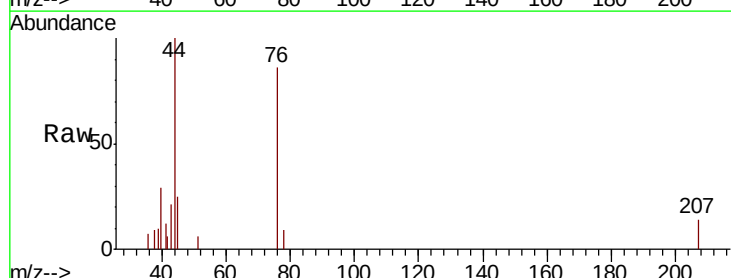
Acq: 29 Oct 2020 17:40

Tgt Ion: 76 Resp: 1186

Ion Ratio Lower Upper

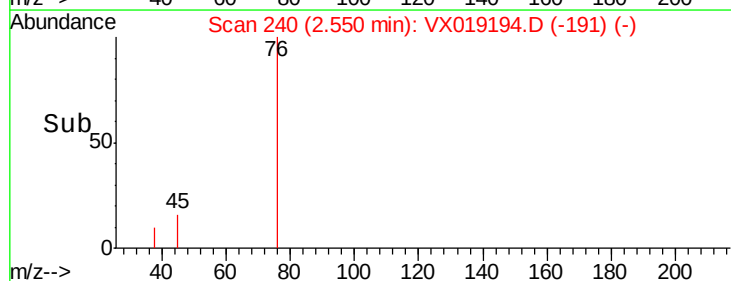
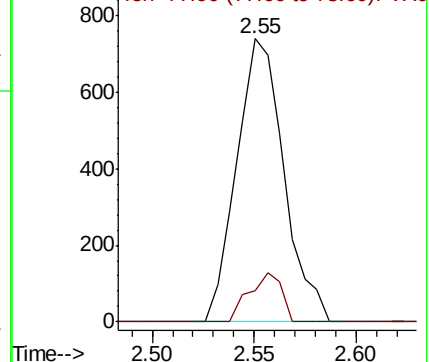
76 100

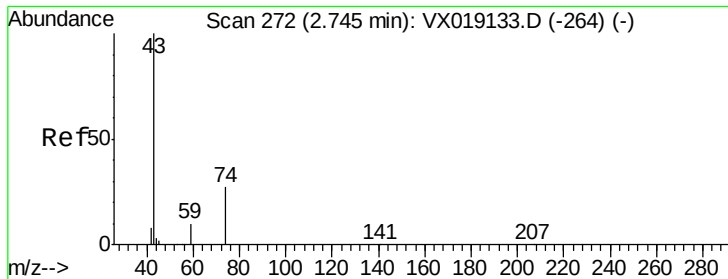
78 11.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

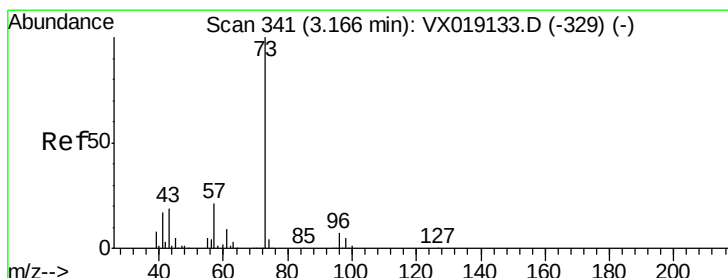
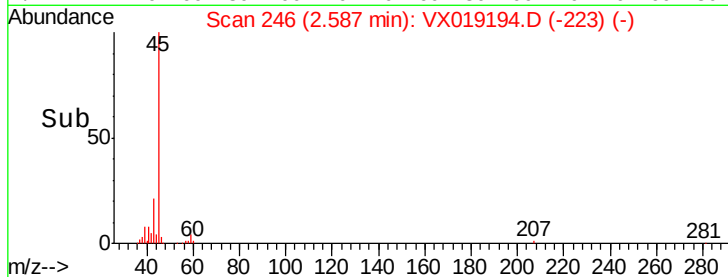
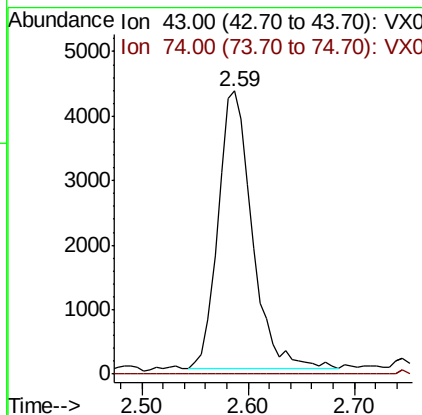
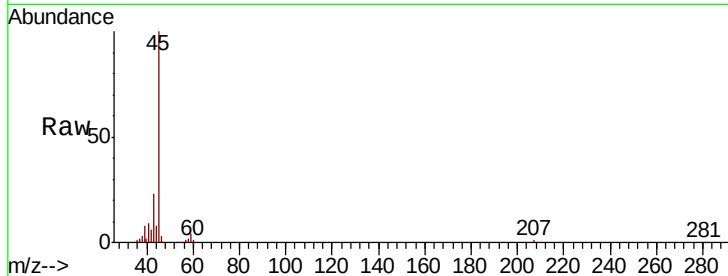




#18
Methvl Acetate
Concen: 3.024 ug/l
RT: 2.59 min Scan# 246
Delta R.T. -0.16 min
Lab File: VX019194.D
Acq: 29 Oct 2020 17:40

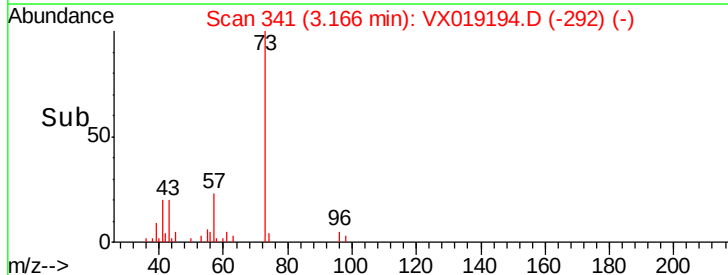
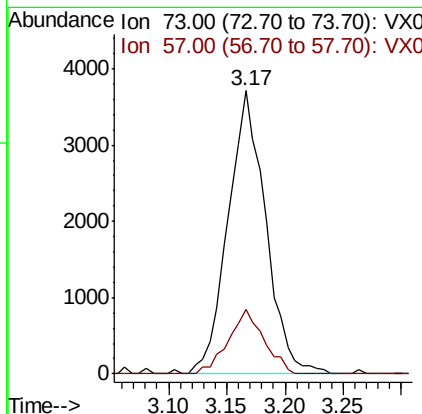
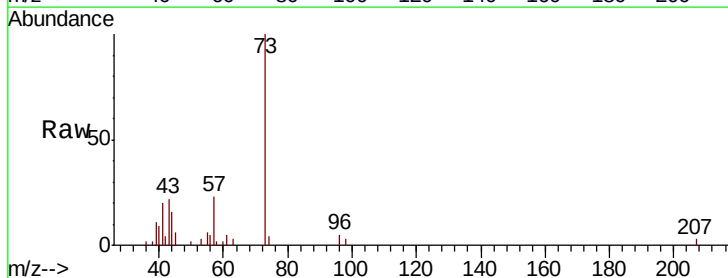
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW179D-GW-20201015RE

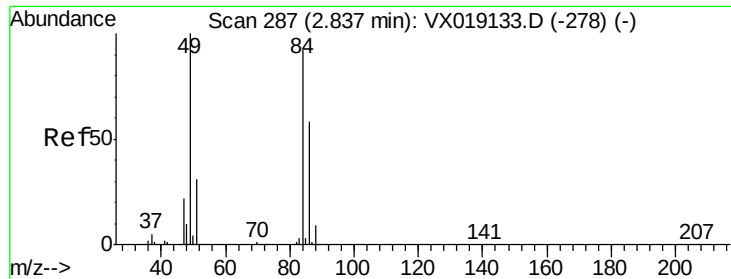
Tot Ion: 43 Resp: 9621
Ion Ratio Lower Upper
43 100
74 0.0 22.6 33.8#



#19
Methyl tert-butyl Ether
Concen: 0.846 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX019194.D
Acq: 29 Oct 2020 17:40

Tgt Ion: 73 Resp: 8358
Ion Ratio Lower Upper
73 100
57 22.9 16.6 25.0

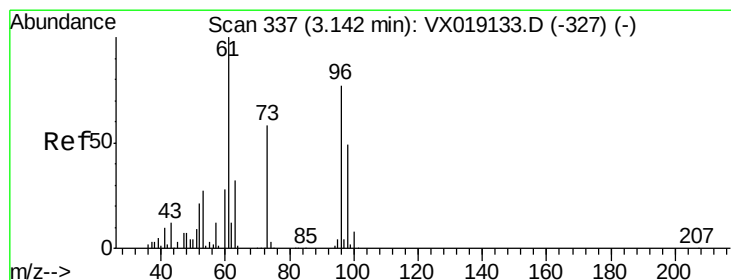
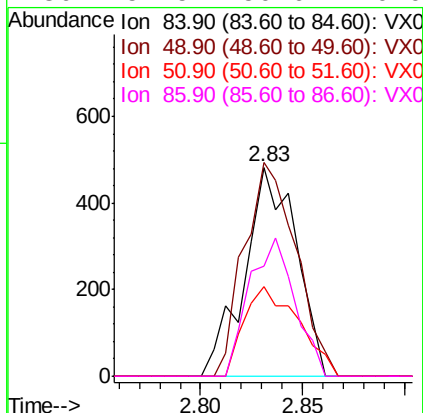
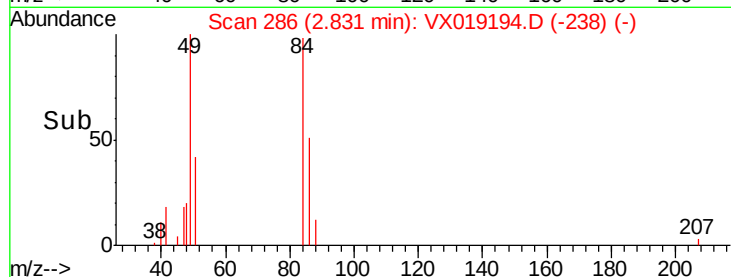
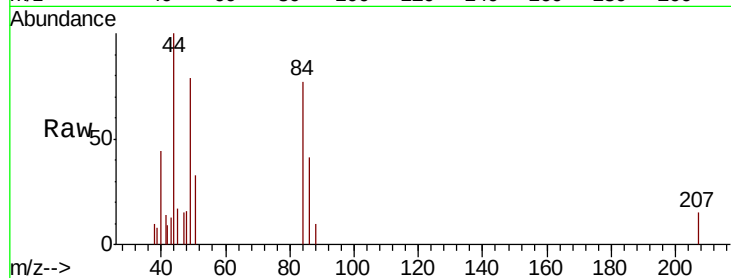




#20
Methylene Chloride
Concen: 0.258 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019194.D
Acq: 29 Oct 2020 17:40

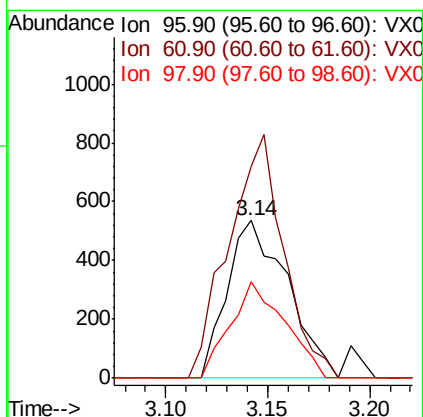
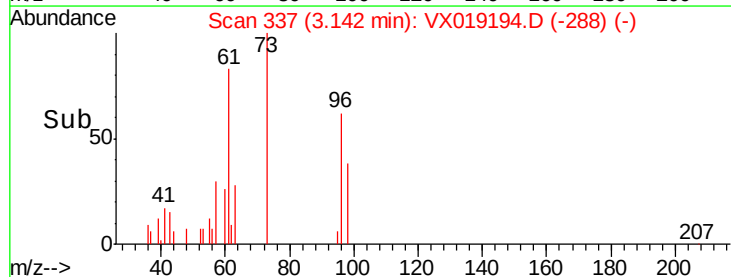
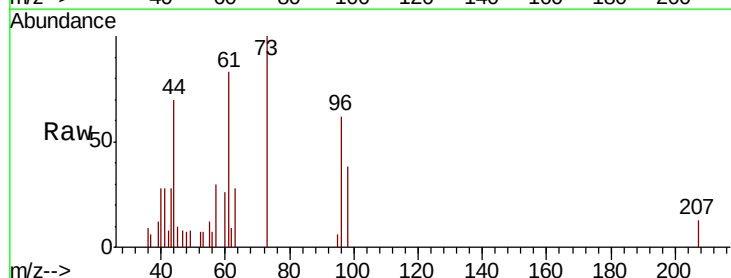
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW179D-GW-20201015RE

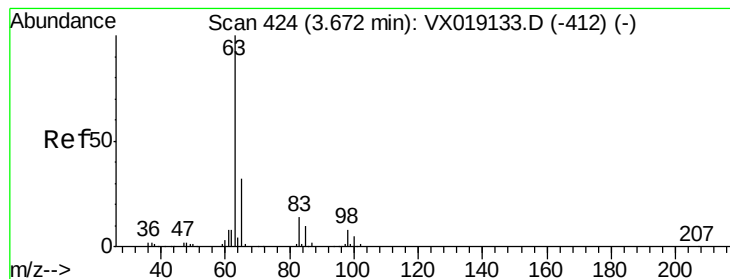
Tot Ion:	84	Resp:	849
Ion	Ratio	Lower	Upper
84	100		
49	102.3	86.8	130.2
51	43.2	27.3	40.9#
86	52.5	50.6	76.0



#21
trans-1,2-Dichloroethene
Concen: 0.334 ug/l
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX019194.D
Acq: 29 Oct 2020 17:40

Tgt Ion:	96	Resp:	1097
Ion	Ratio	Lower	Upper
96	100		
61	134.3	104.2	156.4
98	61.2	51.3	76.9





#24

1,1-Dichloroethane

Concen: 0.219 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX019194.D

Acq: 29 Oct 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW179D-GW-20201015RE

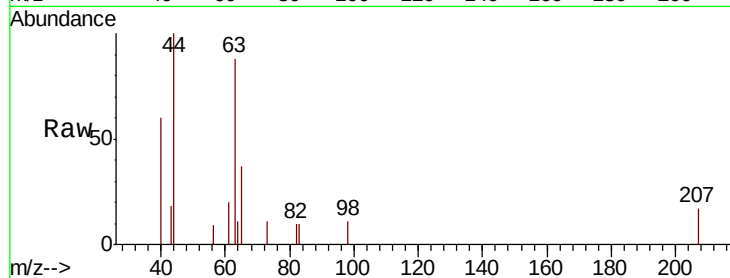
Tot Ion: 63 Resp: 1179

Ion Ratio Lower Upper

63 100

98 12.0 3.8 11.4#

100 0.0 2.4 7.2#



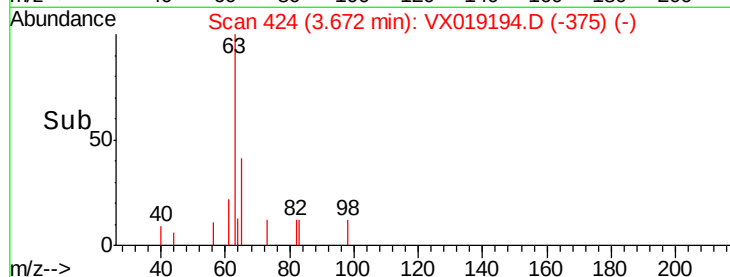
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

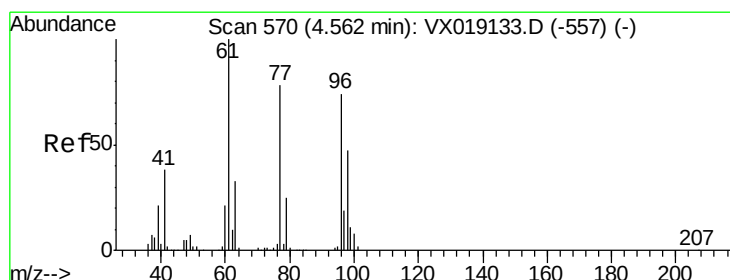
Ion 99.90 (99.60 to 100.60): VX0

3.67

Time-->



Time-->



#27

cis-1,2-Dichloroethene

Concen: 36.998 ug/l

RT: 4.56 min Scan# 570

Delta R.T. 0.00 min

Lab File: VX019194.D

Acq: 29 Oct 2020 17:40

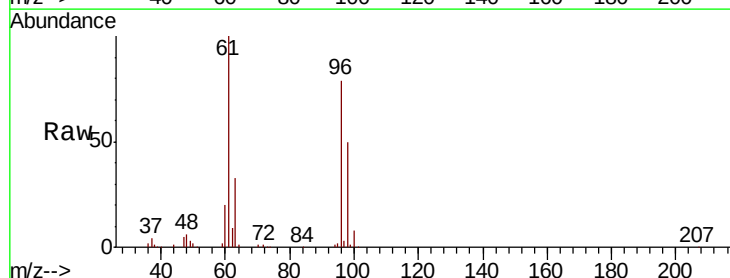
Tgt Ion: 96 Resp: 135608

Ion Ratio Lower Upper

96 100

61 125.3 0.0 278.8

98 63.7 0.0 130.2



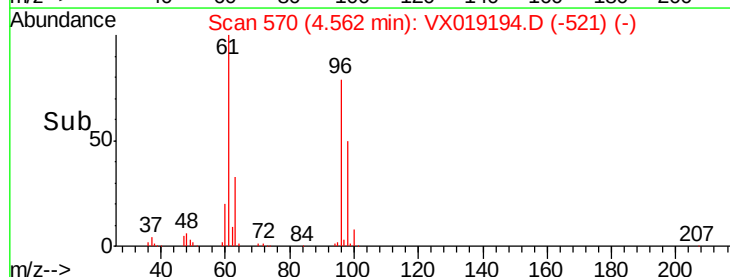
Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

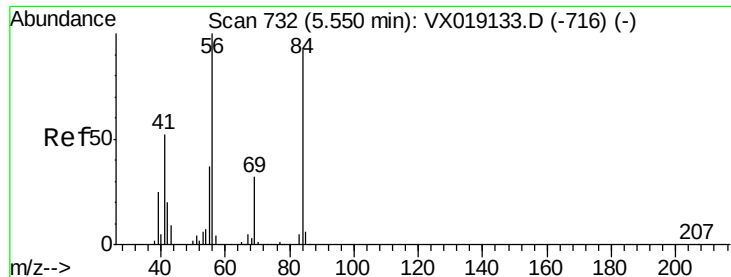
Ion 97.90 (97.60 to 98.60): VX0

4.56

Time-->



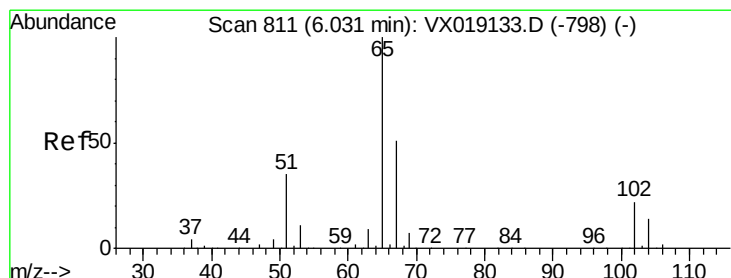
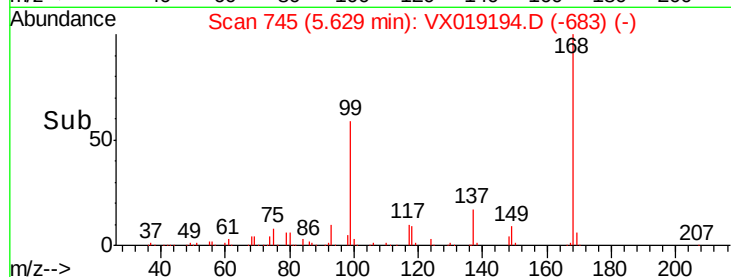
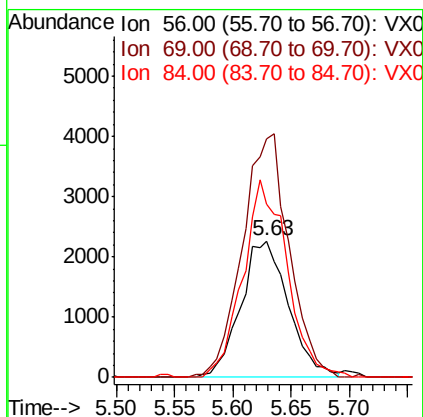
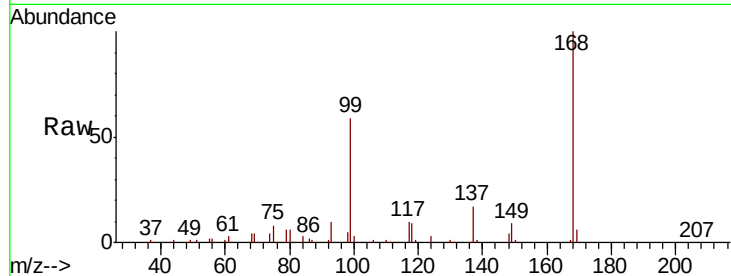
Time-->



#31
Cyclohexane
Concen: 1.354 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019194.D
Acq: 29 Oct 2020 17:40

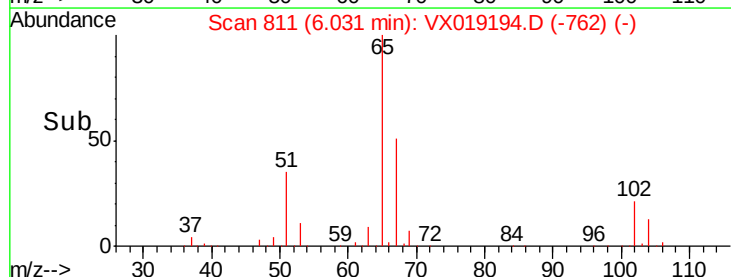
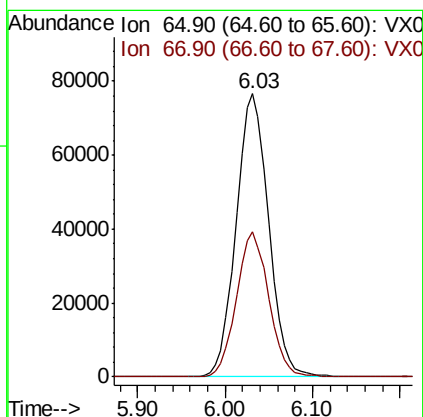
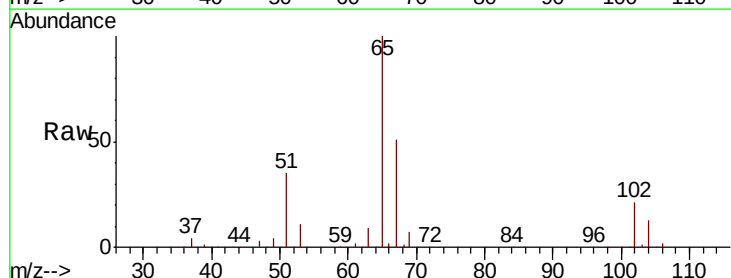
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW179D-GW-20201015RE

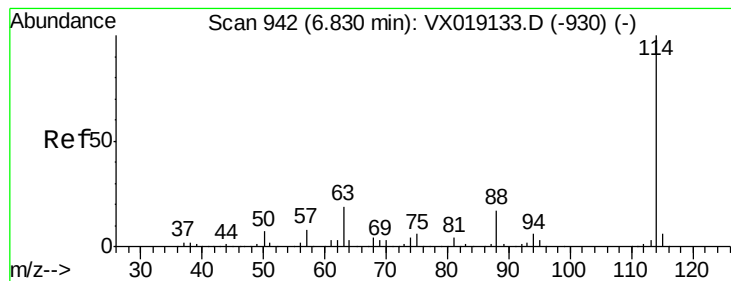
Tot Ion: 56 Resp: 6490
Ion Ratio Lower Upper
56 100
69 174.8 25.9 38.9#
84 127.4 73.4 110.2#



#33
1,2-Dichloroethane-d4
Concen: 52.144 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX019194.D
Acq: 29 Oct 2020 17:40

Tgt Ion: 65 Resp: 197741
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019194.D

Acq: 29 Oct 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW179D-GW-20201015RE

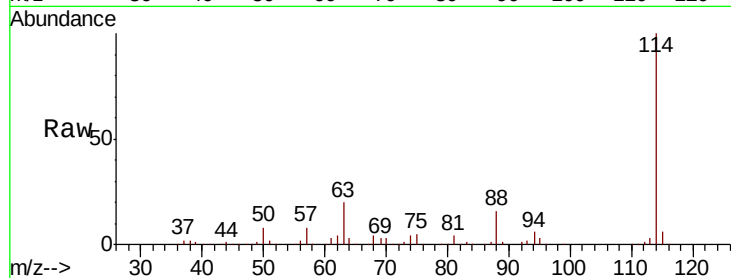
Tot Ion:114 Resp: 510298

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.8

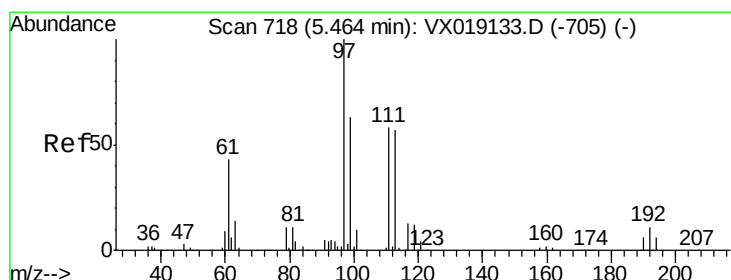
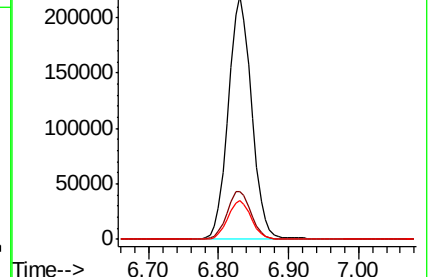
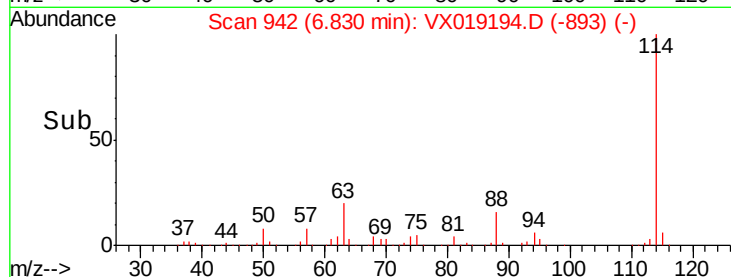
88 15.8 0.0 34.2



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: 49.040 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019194.D

Acq: 29 Oct 2020 17:40

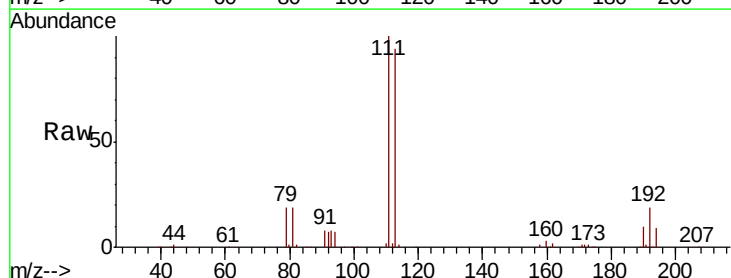
Tgt Ion:113 Resp: 157191

Ion Ratio Lower Upper

113 100

111 103.3 82.3 123.5

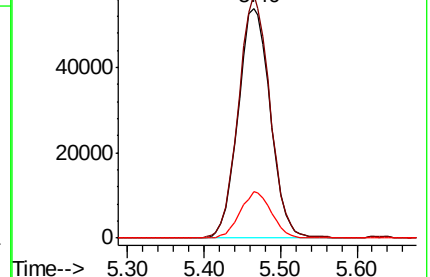
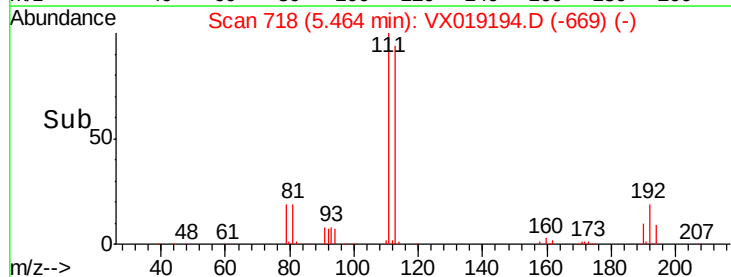
192 19.6 16.2 24.2

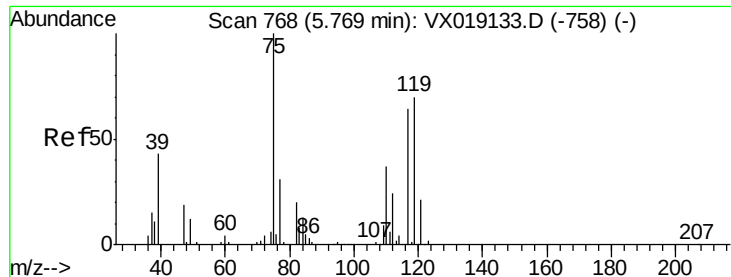


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

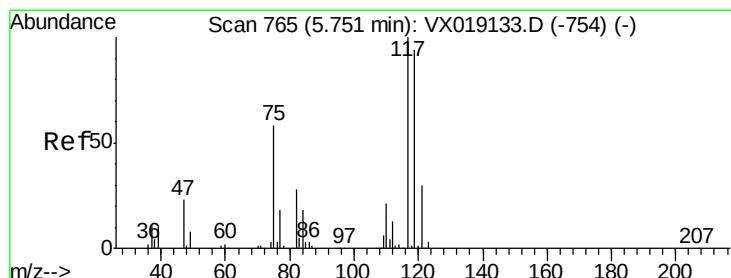
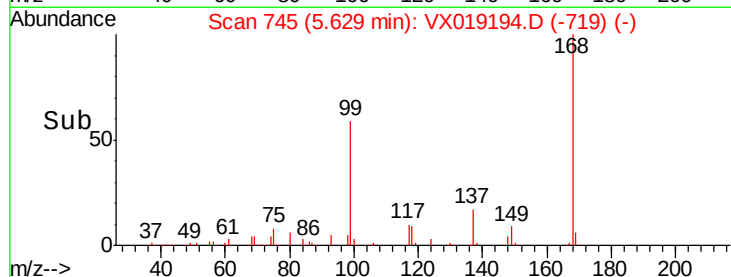
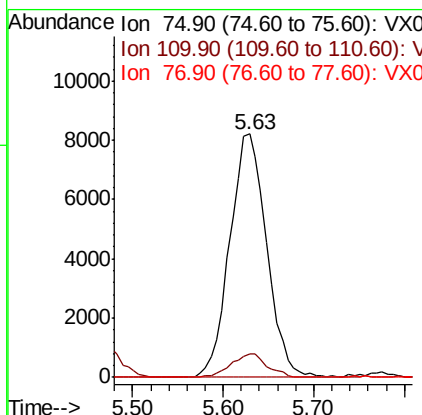
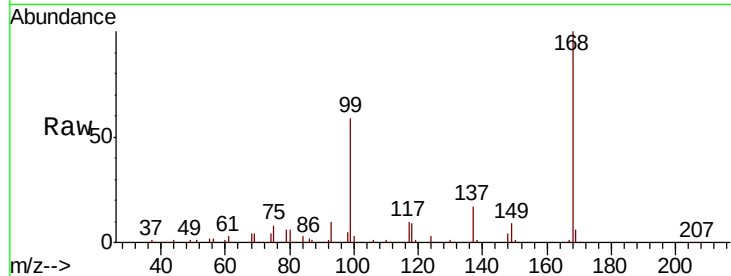




#36
 1,1-Dichloropropene
 Concen: 4.902 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019194.D
 Acq: 29 Oct 2020 17:40

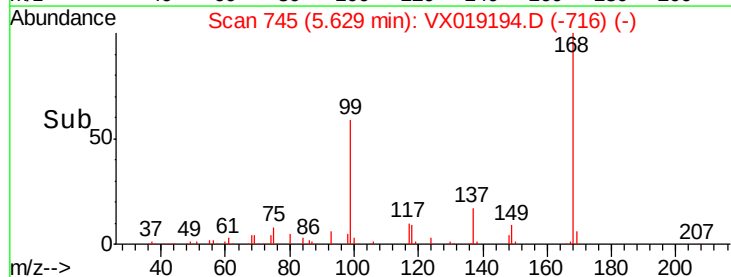
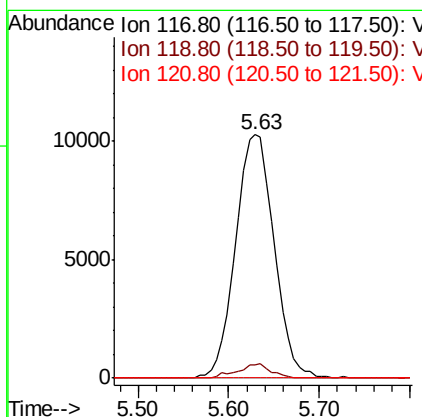
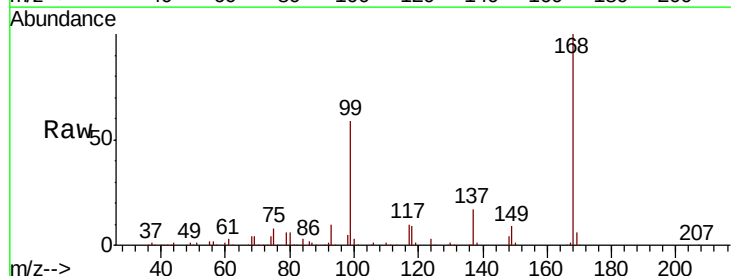
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW179D-GW-20201015RE

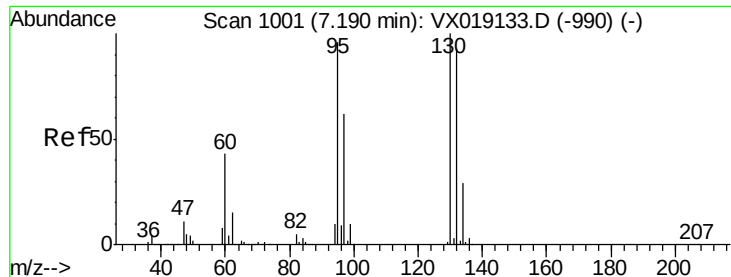
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.3	54.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.304 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019194.D
 Acq: 29 Oct 2020 17:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	75.0	112.6#
121	0.0	23.9	35.9#





#44

Trichloroethene

Concen: 133.533 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX019194.D

Acq: 29 Oct 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

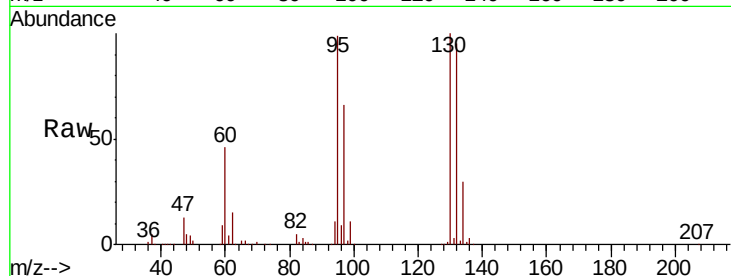
BP-TT-MW179D-GW-20201015RE

Tot Ion:130 Resp: 510947

Ion Ratio Lower Upper

130 100

95 98.6 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

250000

200000

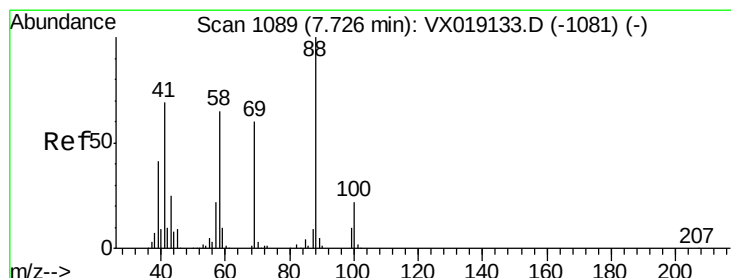
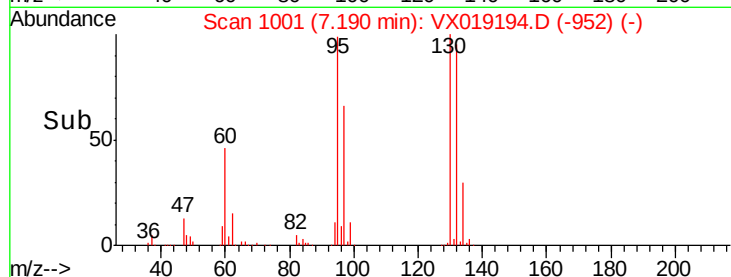
150000

100000

50000

0

Time-->



#49

1,4-Dioxane

Concen: 0.625 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VX019194.D

Acq: 29 Oct 2020 17:40

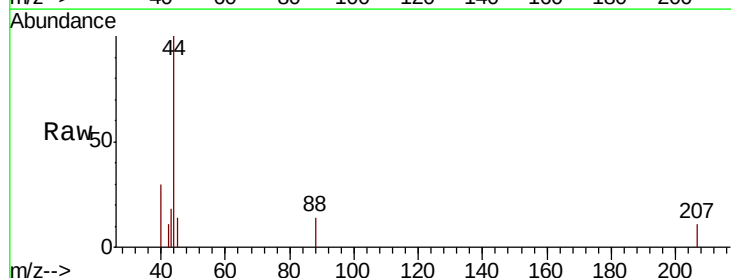
Tgt Ion: 88 Resp: 49

Ion Ratio Lower Upper

88 100

43 246.9 23.0 34.6#

58 0.0 52.2 78.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

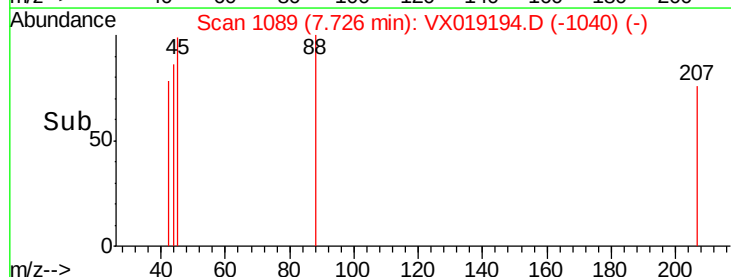
Ion 58.00 (57.70 to 58.70): VX0

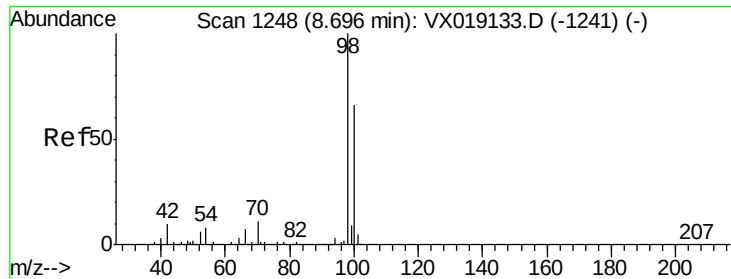
100

50

0

Time-->





#50

Toluene-d8

Concen: 51.689 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019194.D

Acq: 29 Oct 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

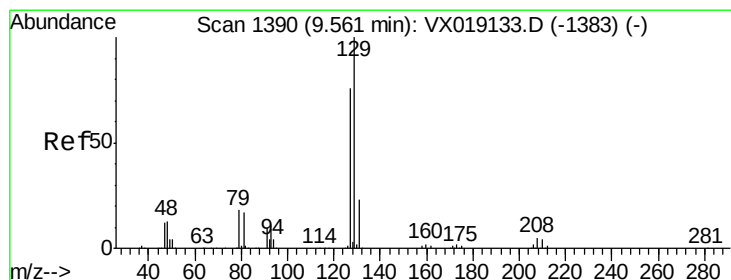
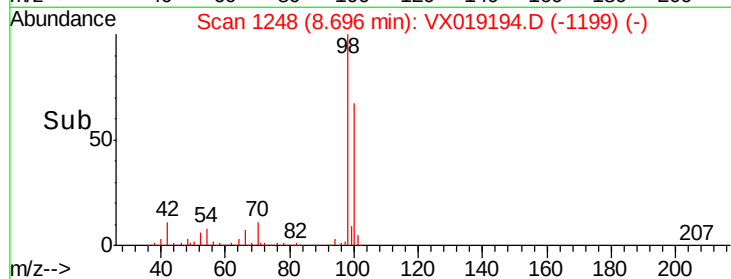
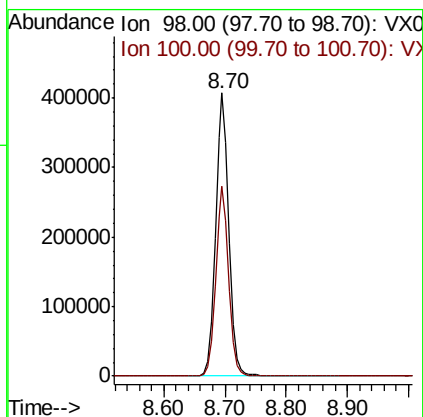
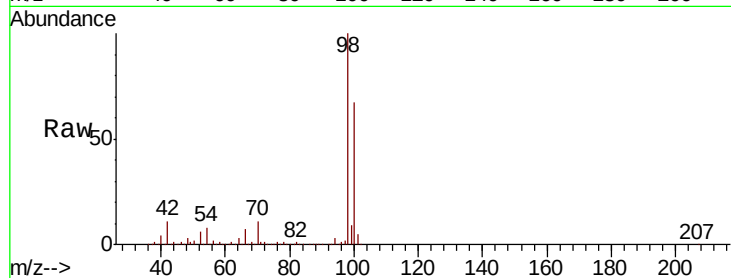
BP-TT-MW179D-GW-20201015RE

Tot Ion: 98 Resp: 624565

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.6



#60

Dibromochloromethane

Concen: 15.216 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.24 min

Lab File: VX019194.D

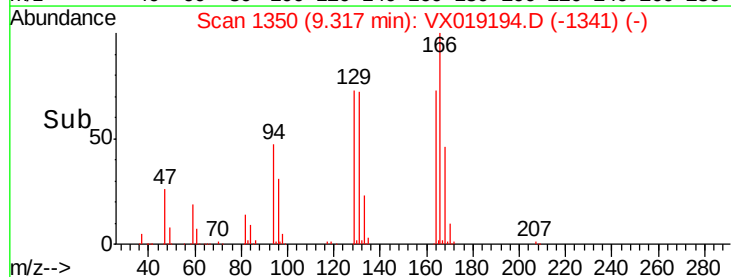
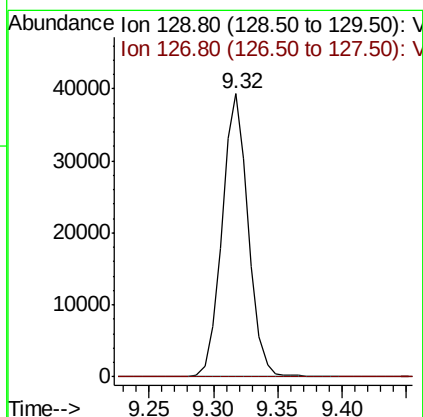
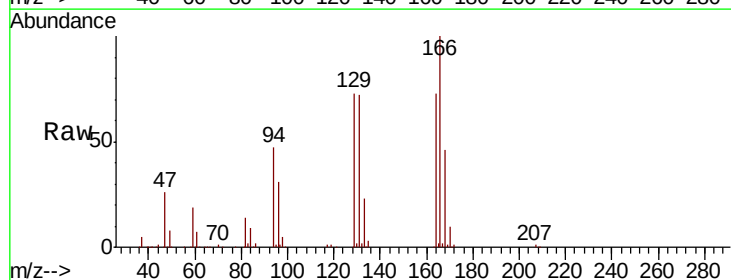
Acq: 29 Oct 2020 17:40

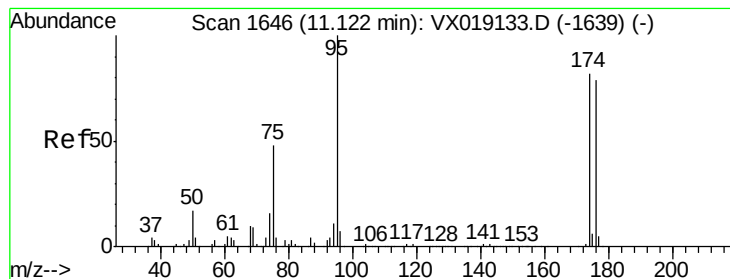
Tgt Ion:129 Resp: 56146

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 53.414 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019194.D

Acq: 29 Oct 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW179D-GW-20201015RE

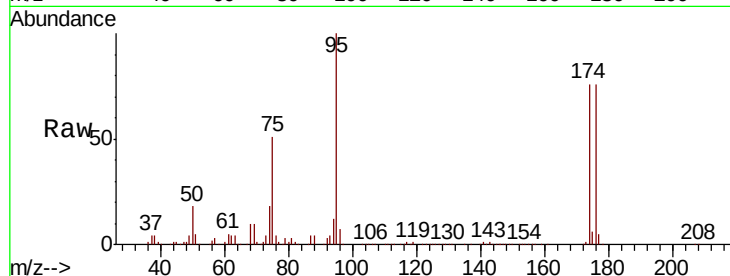
Tot Ion: 95 Resp: 244420

Ion Ratio Lower Upper

95 100

174 74.7 0.0 156.0

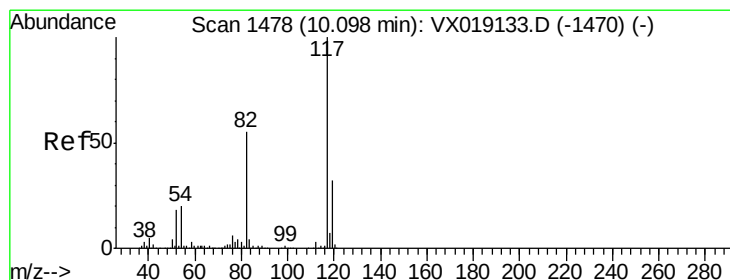
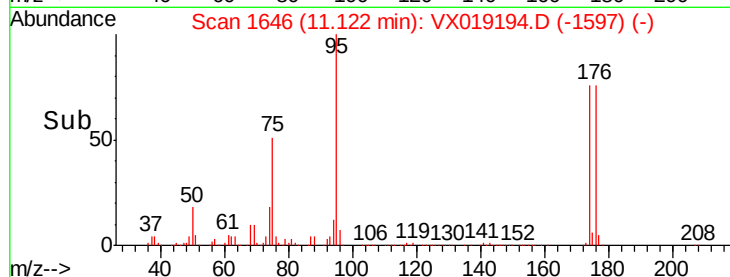
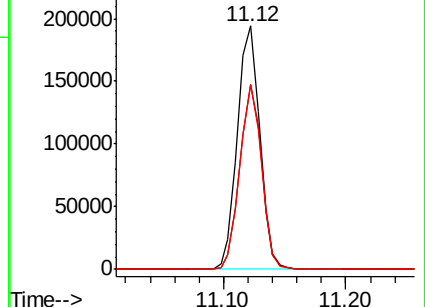
176 73.4 0.0 149.8



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: VX019194.D

Acq: 29 Oct 2020 17:40

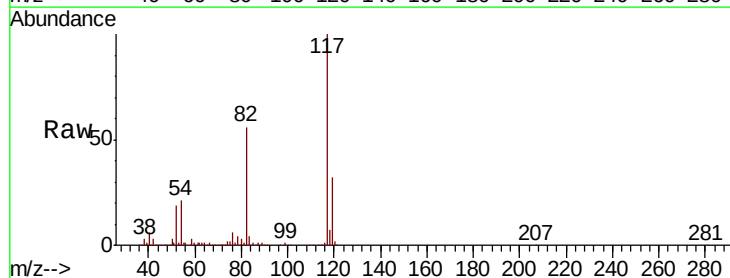
Tgt Ion: 117 Resp: 483345

Ion Ratio Lower Upper

117 100

82 55.7 43.6 65.4

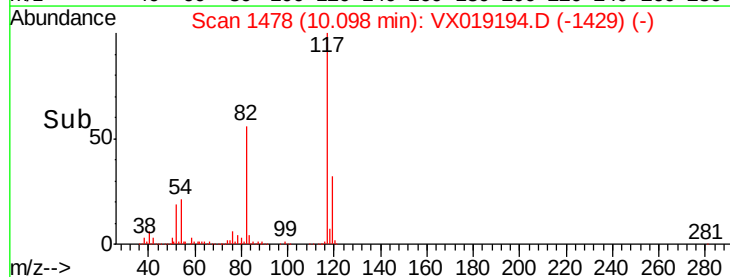
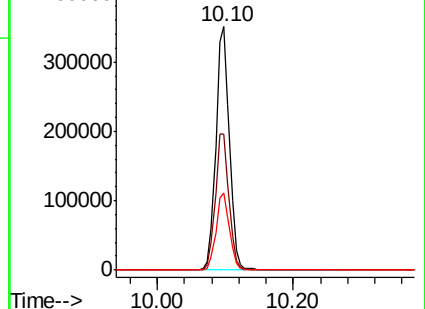
119 31.8 25.5 38.3

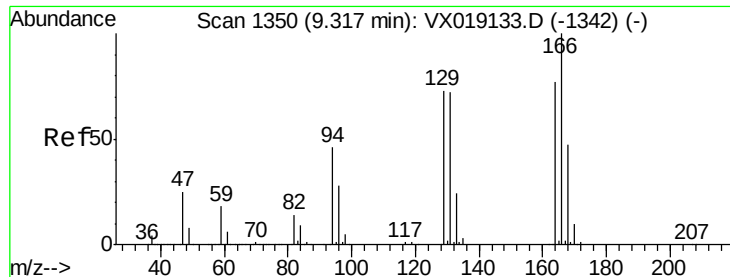


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 15.755 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019194.D

Acq: 29 Oct 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW179D-GW-20201015RE

Tot Ion:164 Resp: 58019

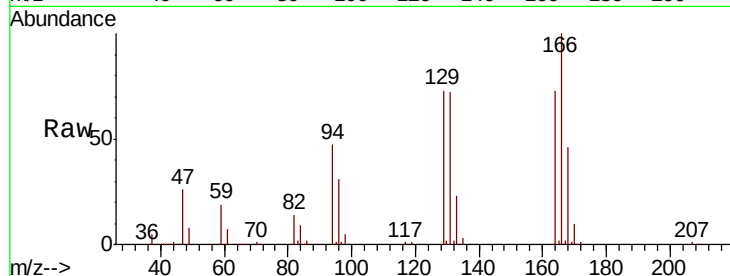
Ion Ratio Lower Upper

164 100

166 137.2 104.1 156.1

129 100.0 76.2 114.4

131 99.1 74.6 112.0



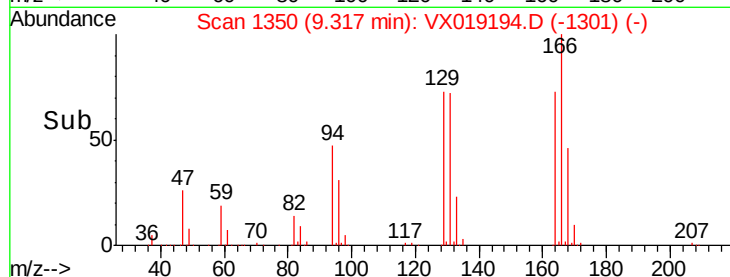
Abundance Ion 163.80 (163.50 to 164.50): V

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-->



Abundance

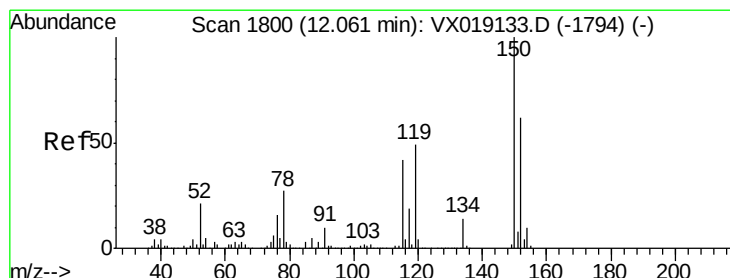
Ion 163.80 (163.50 to 164.50): V

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: VX019194.D

Acq: 29 Oct 2020 17:40

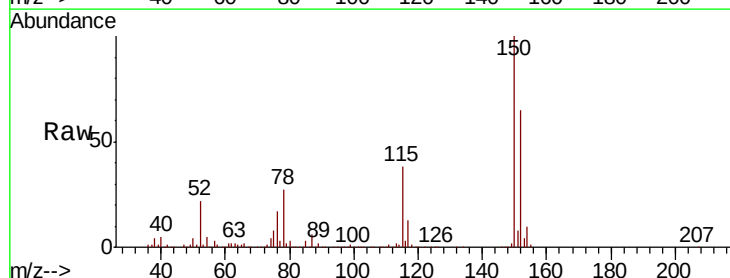
Tgt Ion:152 Resp: 250213

Ion Ratio Lower Upper

152 100

115 59.7 41.9 125.7

150 155.7 0.0 347.8

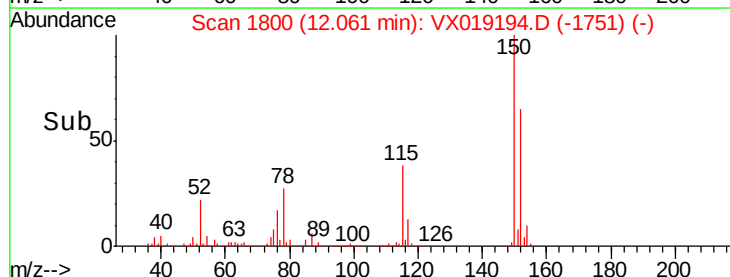


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->



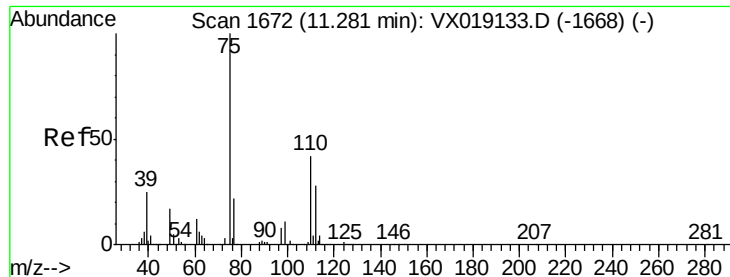
Abundance

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-->



#76

1,2,3-Trichloropropane

Concen: 24.212 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019194.D

Acq: 29 Oct 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

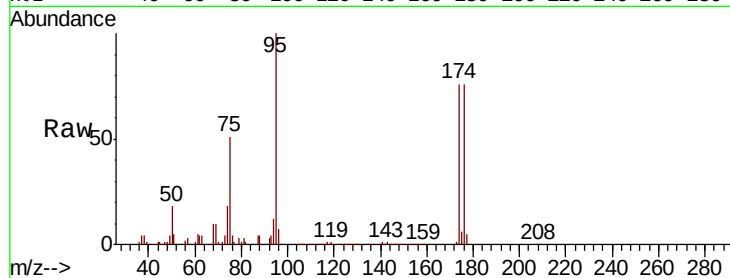
BP-TT-MW179D-GW-20201015RE

Tot Ion: 75 Resp: 125088

Ion Ratio Lower Upper

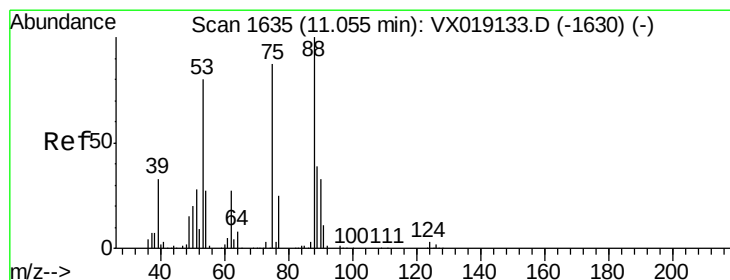
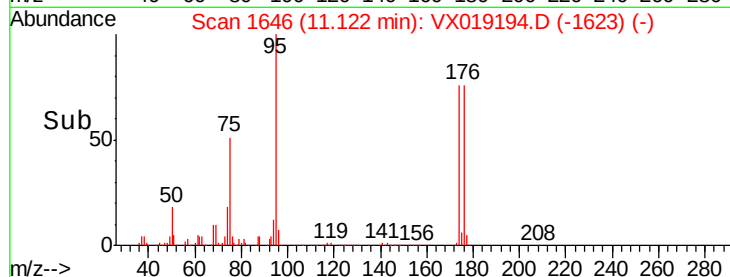
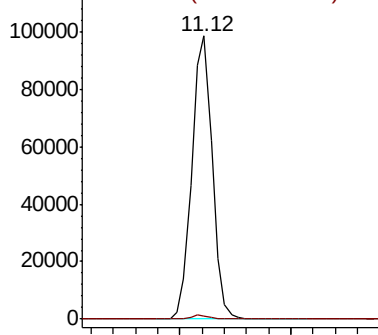
75 100

77 1.2 20.3 60.9#



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: 63.750 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019194.D

Acq: 29 Oct 2020 17:40

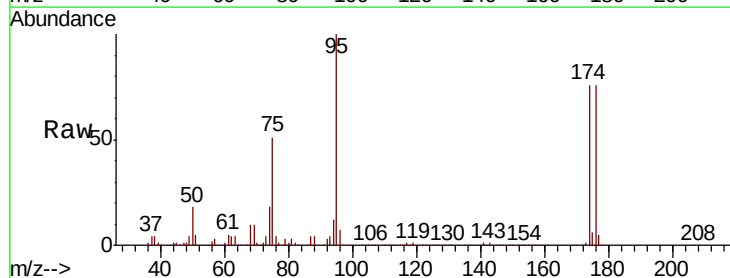
Tgt Ion: 75 Resp: 125088

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#



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

