

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102820\
 Data File : VX019161.D
 Acq On : 28 Oct 2020 13:32
 Operator : JC/MD
 Sample : L4470-04DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW179D1-GW-20201019DL

Quant Time: Oct 29 02:07:24 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	327621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	567125	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	528059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	265315	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	214741	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
35) Dibromofluoromethane	5.46	113	172519	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
50) Toluene-d8	8.70	98	684481	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	11.12	95	263294	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	

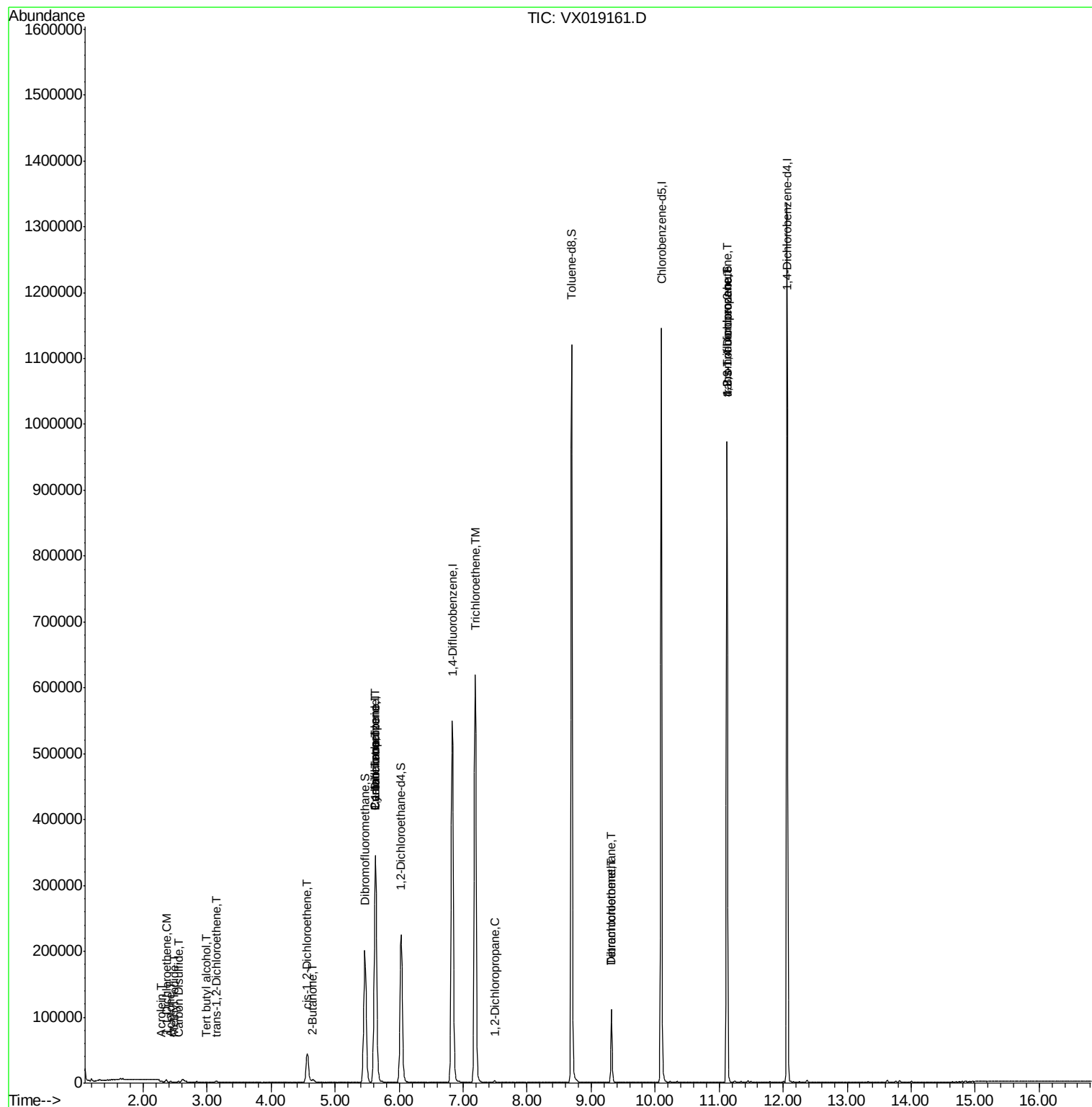
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	537	6.507	ug/l #	84
11) Tert butyl alcohol	2.99	59	671	0.804	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	1199	0.378	ug/l	88
13) Acrolein	2.28	56	90	5.884	ug/l #	16
16) Acetone	2.42	43	1004	0.689	ug/l	96
17) Carbon Disulfide	2.56	76	1263	0.897	ug/l #	88
21) trans-1,2-Dichloroethene	3.15	96	761	0.208	ug/l	94
25) 2-Butanone	4.65	43	604	0.263	ug/l #	44
27) cis-1,2-Dichloroethene	4.56	96	29813	7.300	ug/l	90
31) Cyclohexane	5.63	56	6894	1.291	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	25479	4.865	ug/l #	50
38) Carbon Tetrachloride	5.63	117	32836	6.151	ug/l #	17
44) Trichloroethene	7.19	130	237816	55.924	ug/l	100
45) 1,2-Dichloropropane	7.49	63	1017	0.280	ug/l #	85
60) Dibromochloromethane	9.32	129	19999	4.877	ug/l #	11
64) Tetrachloroethene	9.32	164	20764	5.161	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	133915	24.445	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	133915	64.364	ug/l #	12

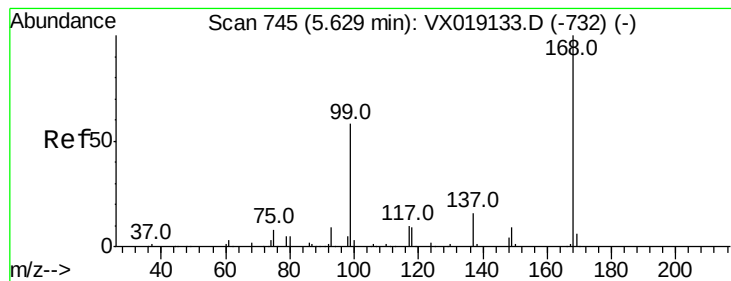
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 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: VX019161.D

Acq: 28 Oct 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

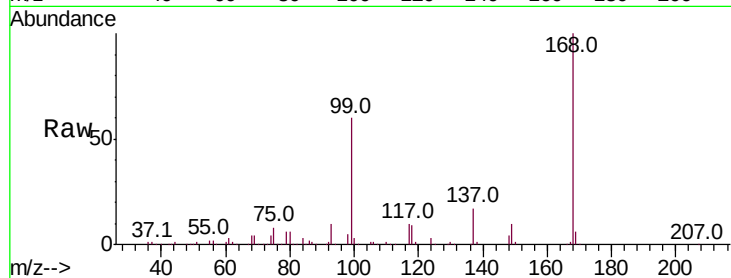
BP-TT-MW179D1-GW-20201019DL

Tot Ion:168 Resp: 327621

Ion Ratio Lower Upper

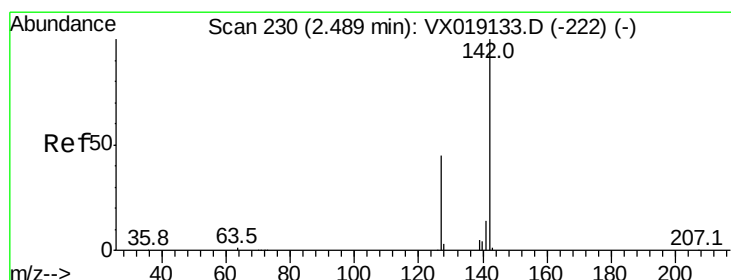
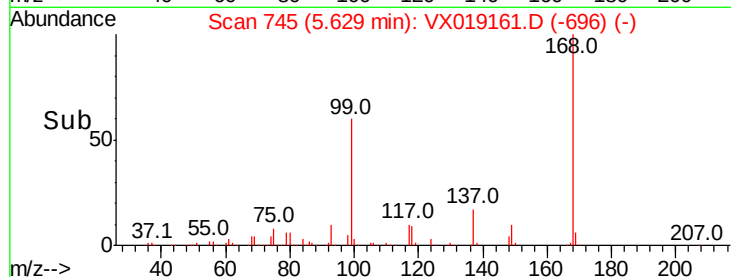
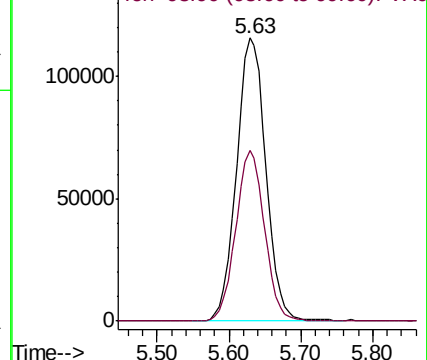
168 100

99 60.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 6.507 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019161.D

Acq: 28 Oct 2020 13:32

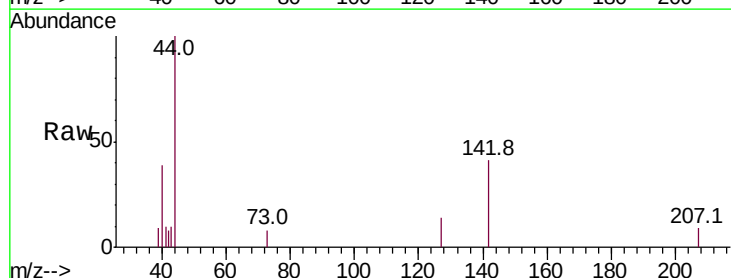
Tgt Ion:142 Resp: 537

Ion Ratio Lower Upper

142 100

127 38.5 36.1 54.1

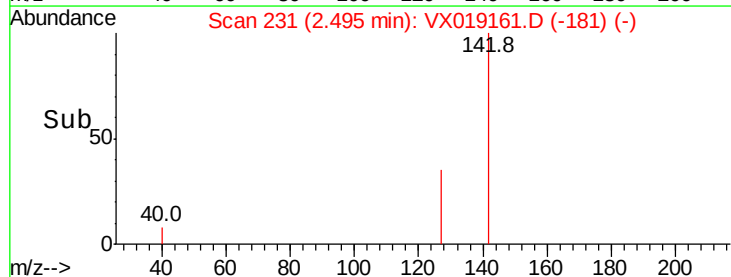
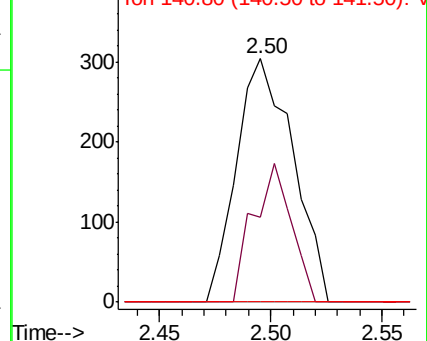
141 0.0 11.3 16.9#

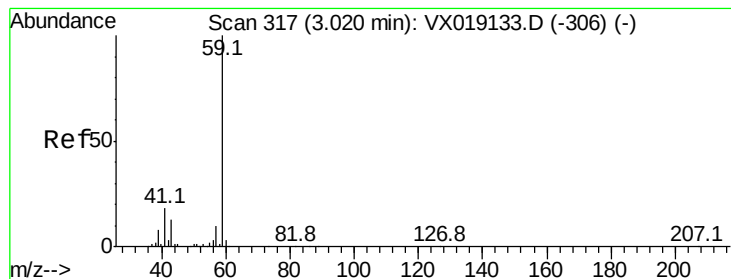


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.804 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.03 min

Lab File: VX019161.D

Acq: 28 Oct 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

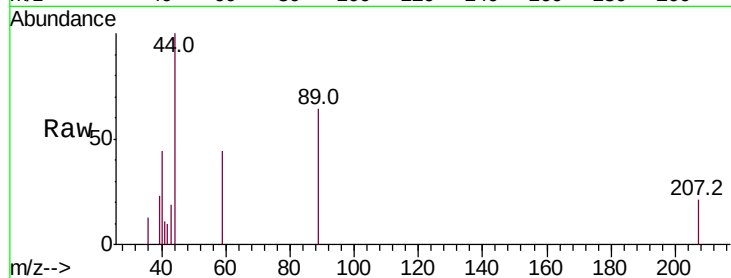
BP-TT-MW179D1-GW-20201019DL

Tot Ion: 59 Resp: 671

Ion Ratio Lower Upper

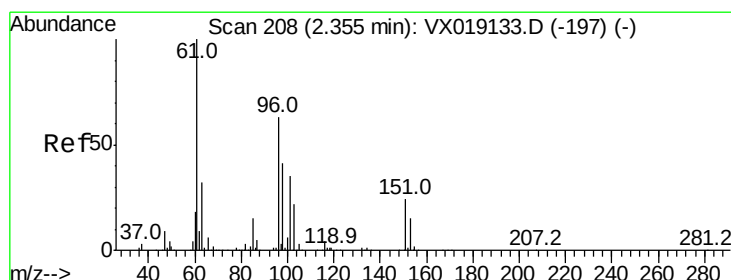
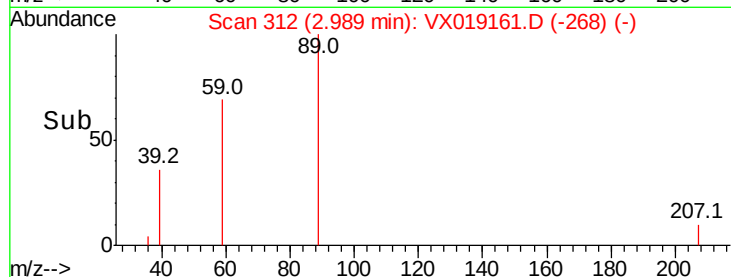
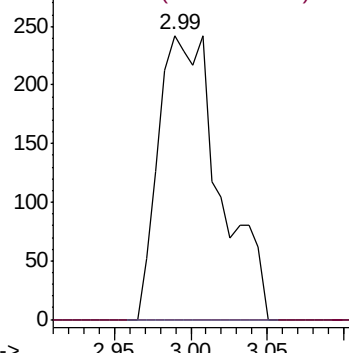
59 100

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: 0.378 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX019161.D

Acq: 28 Oct 2020 13:32

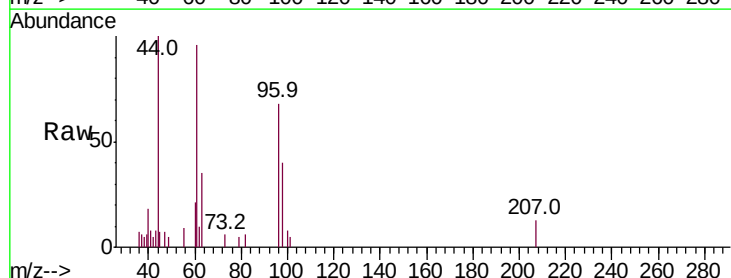
Tgt Ion: 96 Resp: 1199

Ion Ratio Lower Upper

96 100

61 142.0 127.7 191.5

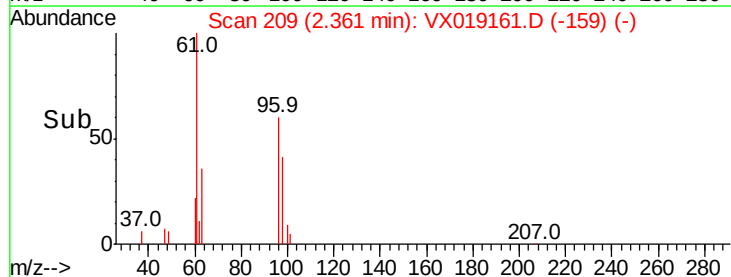
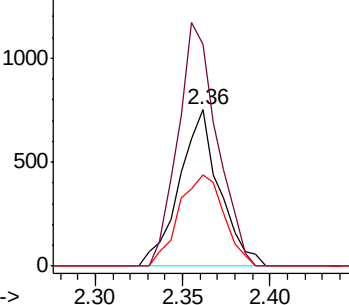
98 58.5 52.1 78.1

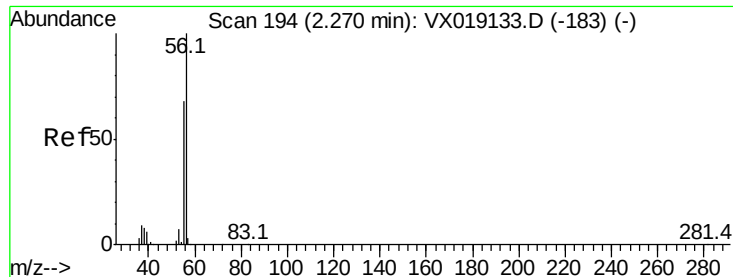


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 5.884 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX019161.D

Acq: 28 Oct 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

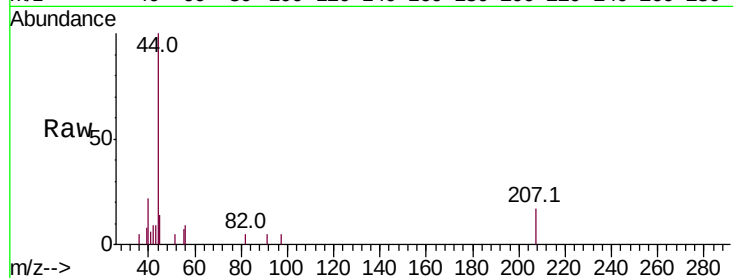
BP-TT-MW179D1-GW-20201019DL

Tot Ion: 56 Resp: 90

Ion Ratio Lower Upper

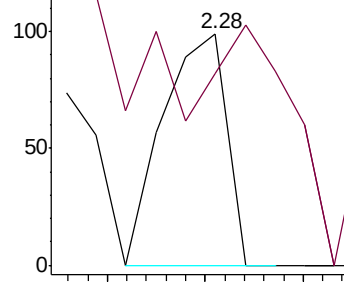
56 100

55 0.0 54.7 82.1#

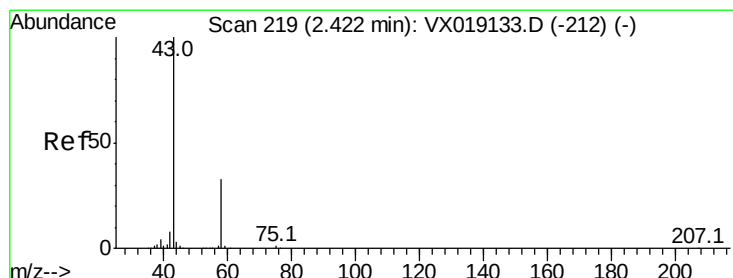
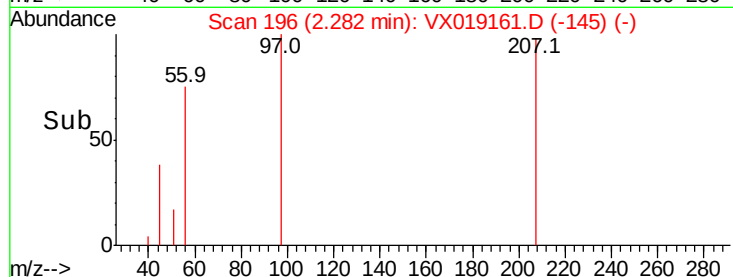


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 0.689 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019161.D

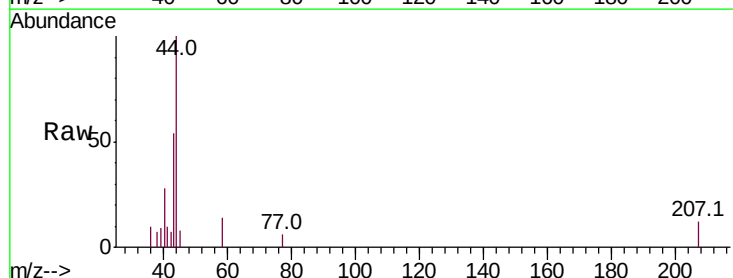
Acq: 28 Oct 2020 13:32

Tgt Ion: 43 Resp: 1004

Ion Ratio Lower Upper

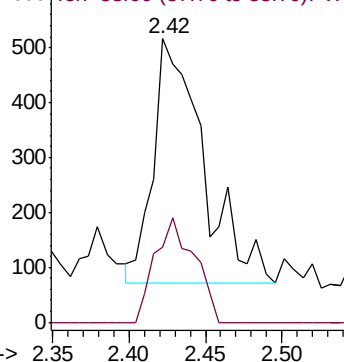
43 100

58 30.8 26.3 39.5

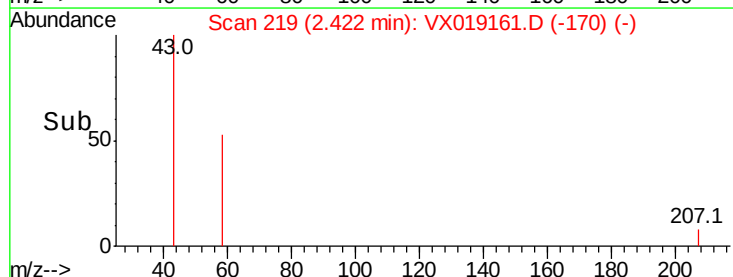


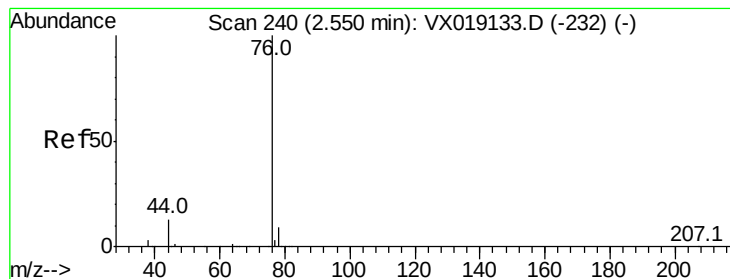
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#17

Carbon Disulfide

Concen: 0.897 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019161.D

Acq: 28 Oct 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

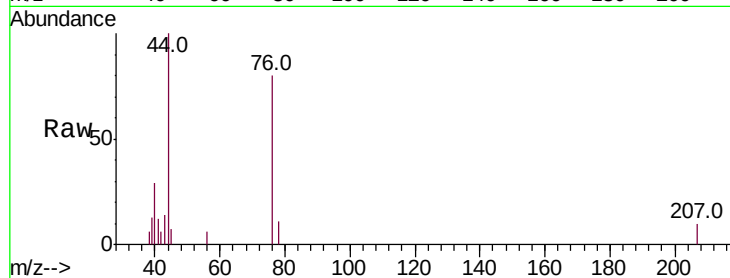
BP-TT-MW179D1-GW-20201019DL

Tot Ion: 76 Resp: 1263

Ion Ratio Lower Upper

76 100

78 13.6 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

800

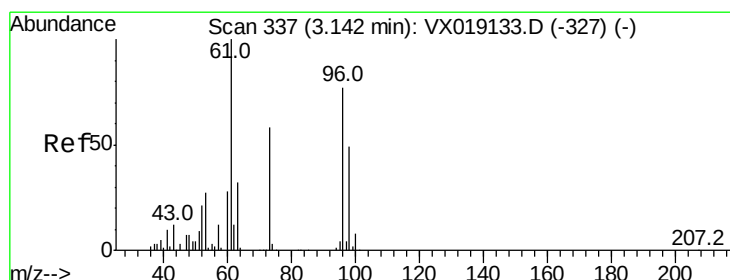
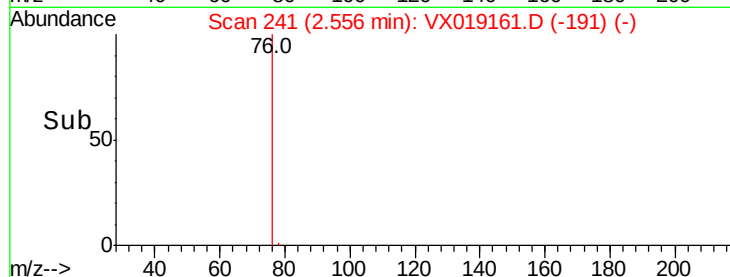
600

400

200

0

Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.208 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX019161.D

Acq: 28 Oct 2020 13:32

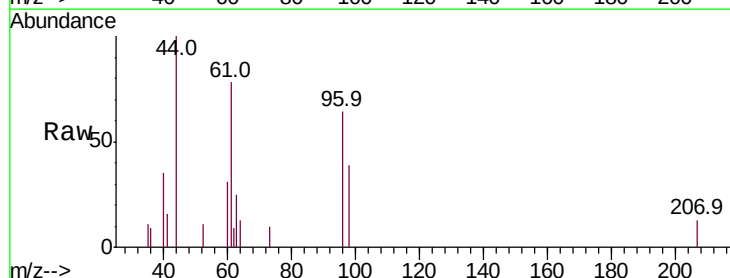
Tgt Ion: 96 Resp: 761

Ion Ratio Lower Upper

96 100

61 121.7 104.2 156.4

98 61.1 51.3 76.9



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

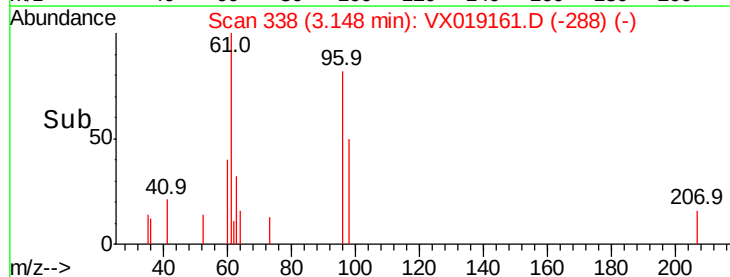
600

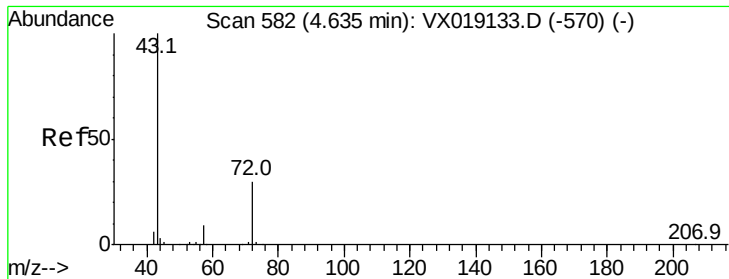
400

200

0

Time-->





#25

2-Butanone

Concen: 0.263 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019161.D

Acq: 28 Oct 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

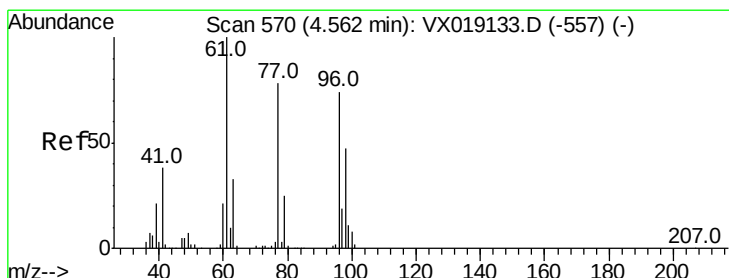
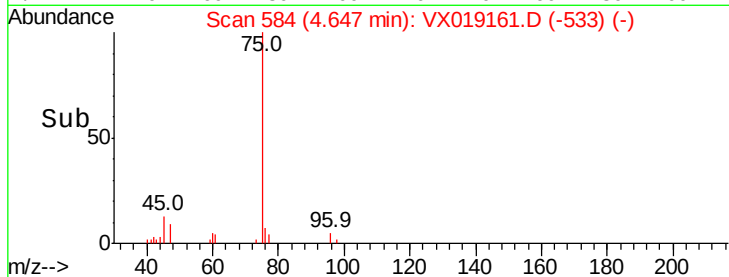
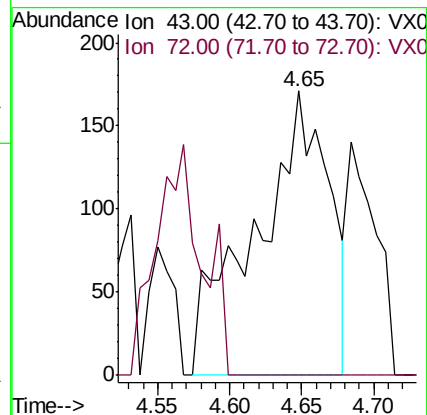
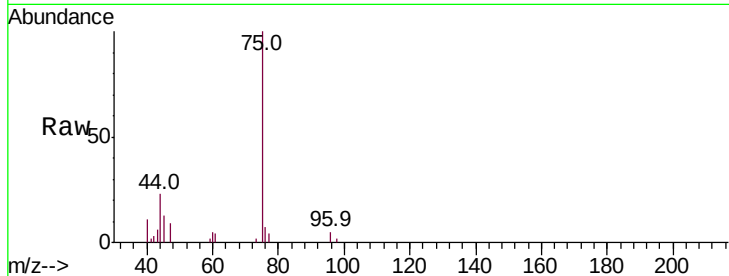
BP-TT-MW179D1-GW-20201019DL

Tot Ion: 43 Resp: 604

Ion Ratio Lower Upper

43 100

72 0.0 24.6 36.8#



#27

cis-1,2-Dichloroethene

Concen: 7.300 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX019161.D

Acq: 28 Oct 2020 13:32

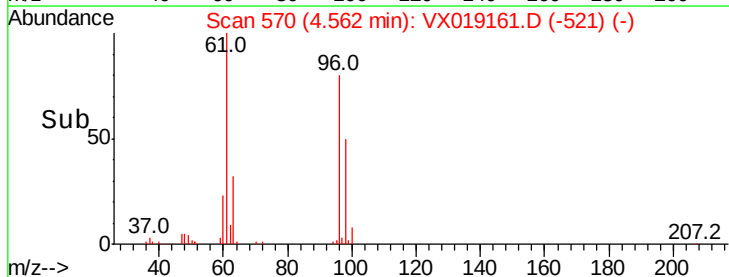
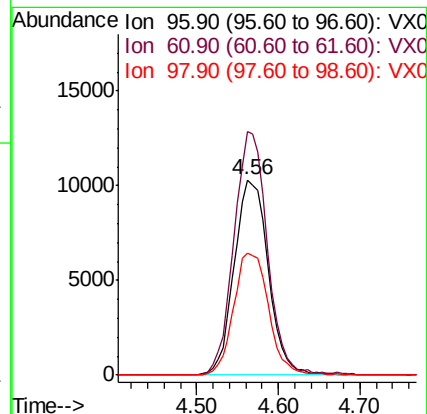
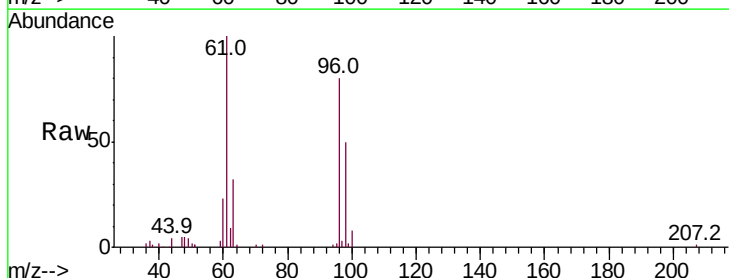
Tgt Ion: 96 Resp: 29813

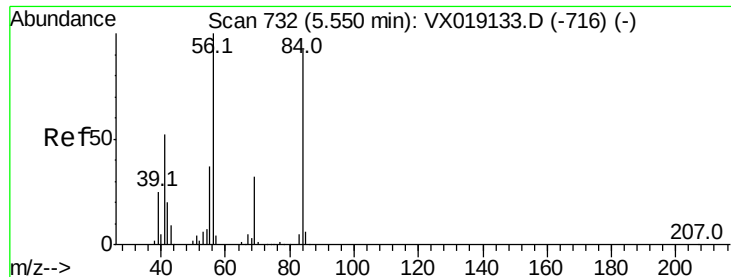
Ion Ratio Lower Upper

96 100

61 121.7 0.0 278.8

98 63.9 0.0 130.2

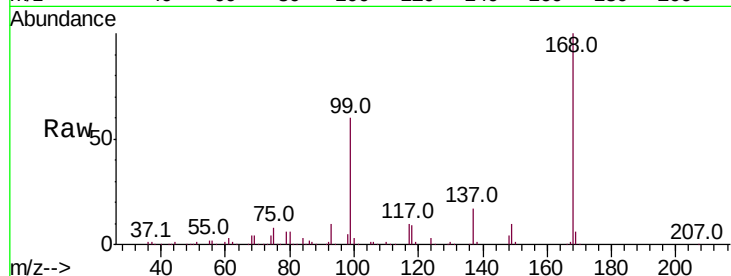




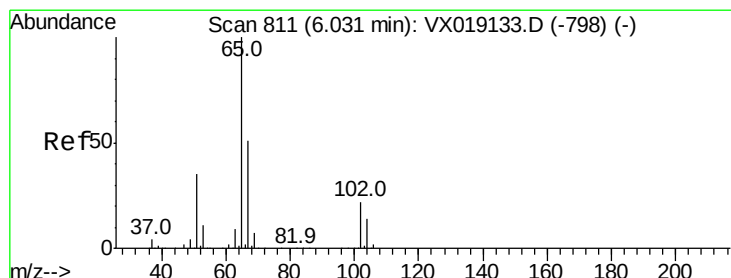
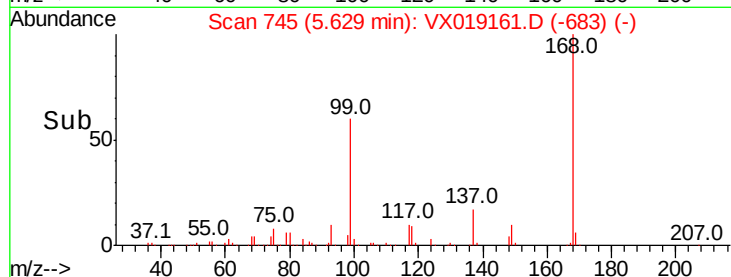
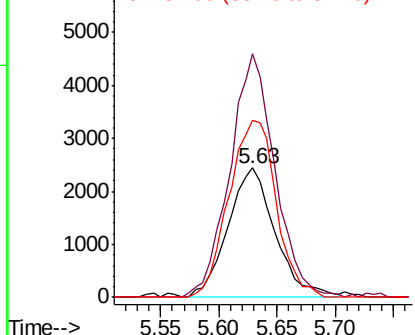
#31
Cyclohexane
Concen: 1.291 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019161.D
Acq: 28 Oct 2020 13:32

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW179D1-GW-20201019DL

Tot Ion: 56 Resp: 6894
Ion Ratio Lower Upper
56 100
69 185.7 25.9 38.9#
84 136.5 73.4 110.2#

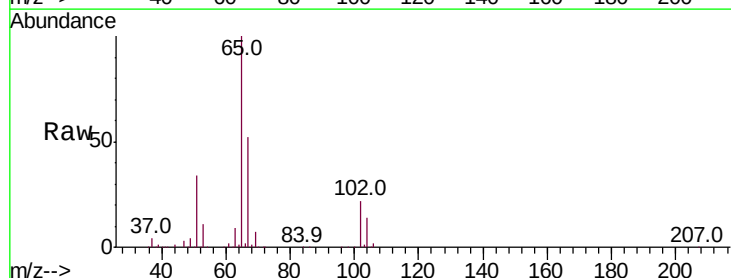


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

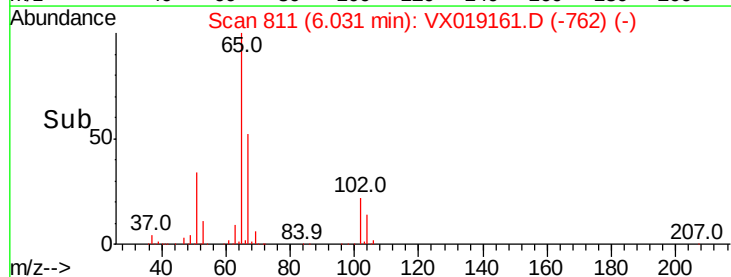
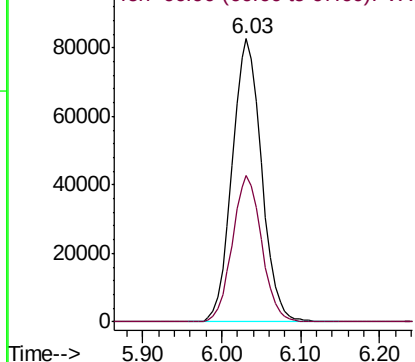


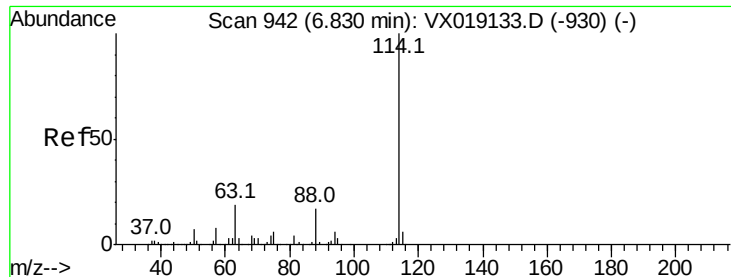
#33
1,2-Dichloroethane-d4
Concen: 50.825 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019161.D
Acq: 28 Oct 2020 13:32

Tgt Ion: 65 Resp: 214741
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0



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: VX019161.D

Acq: 28 Oct 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW179D1-GW-20201019DL

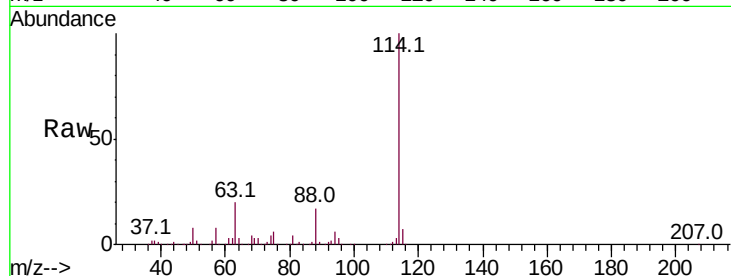
Tot Ion:114 Resp: 567125

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.8

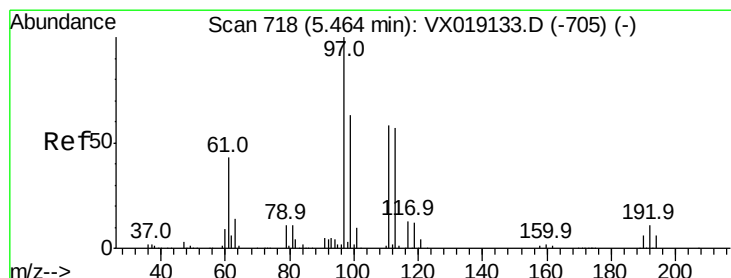
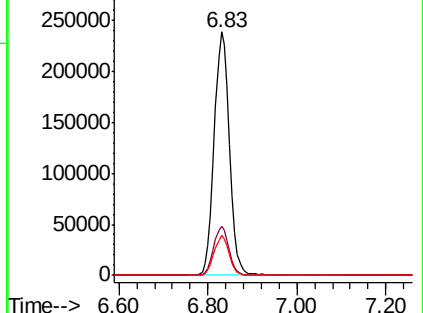
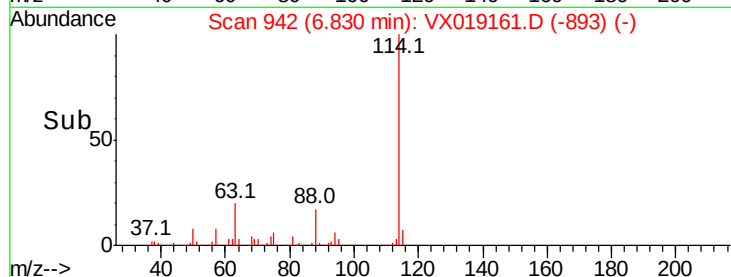
88 16.6 0.0 34.2



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: 48.429 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019161.D

Acq: 28 Oct 2020 13:32

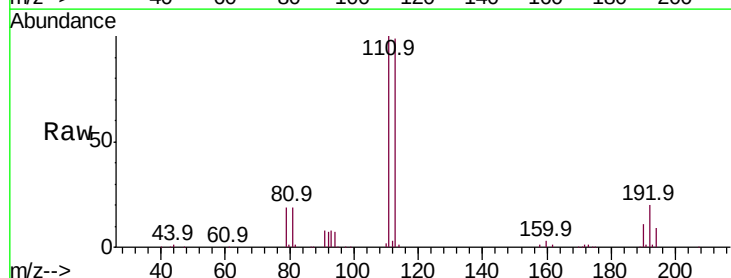
Tgt Ion:113 Resp: 172519

Ion Ratio Lower Upper

113 100

111 102.8 82.3 123.5

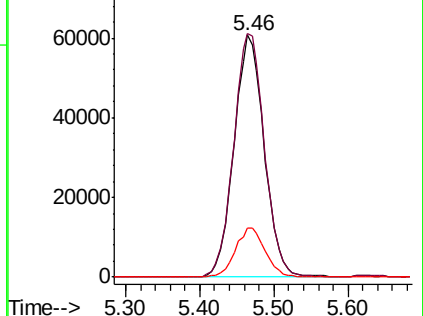
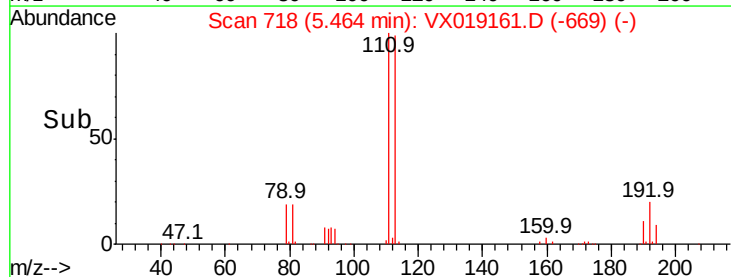
192 20.0 16.2 24.2

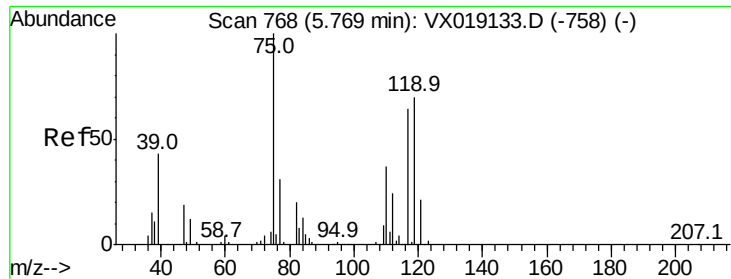


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

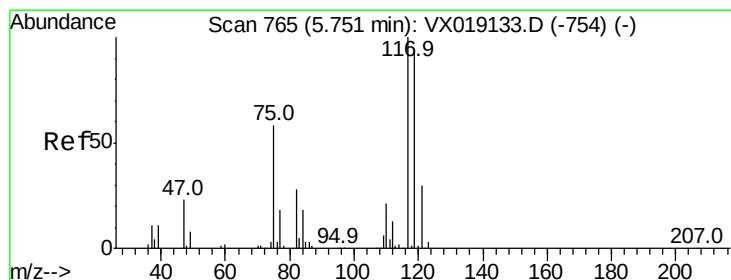
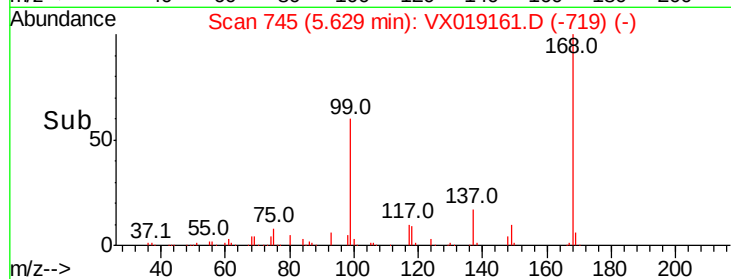
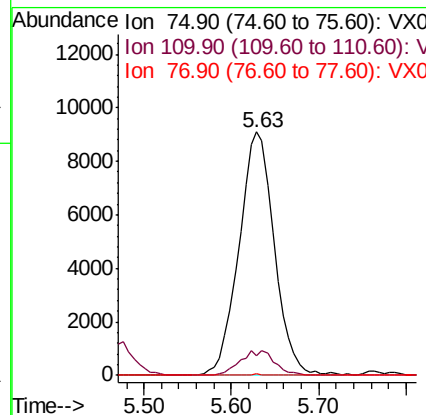
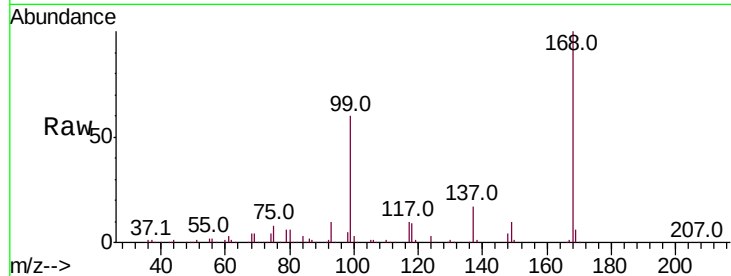




#36
 1,1-Dichloropropene
 Concen: 4.865 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019161.D
 Acq: 28 Oct 2020 13:32

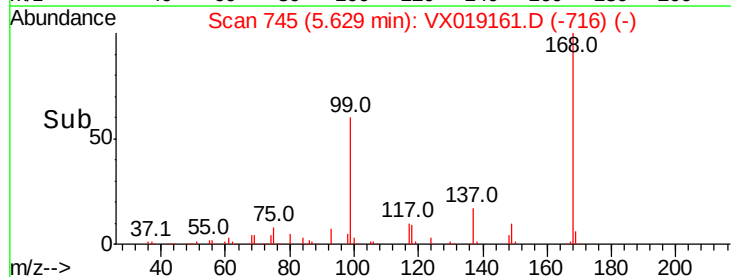
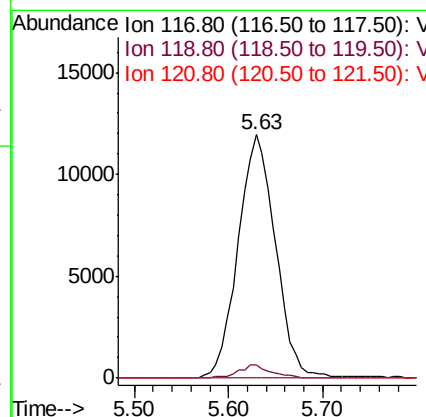
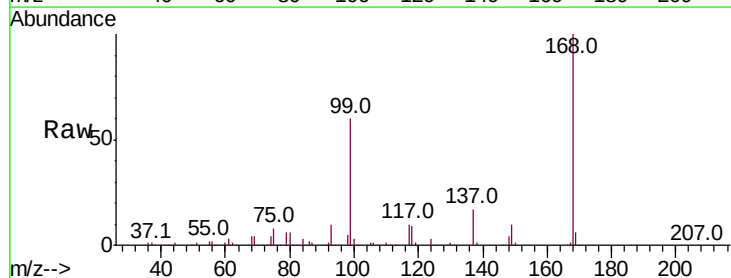
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW179D1-GW-20201019DL

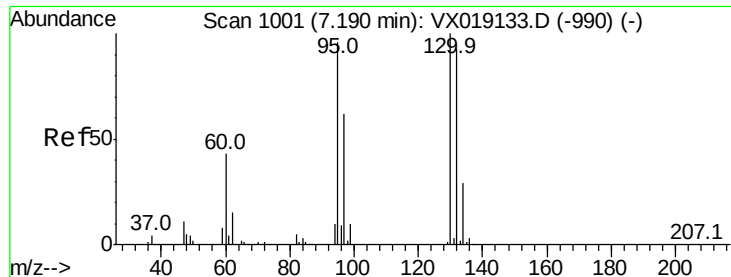
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.3	54.9#
77	0.1	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.151 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019161.D
 Acq: 28 Oct 2020 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.0	112.6#
121	0.0	23.9	35.9#





#44

Trichloroethene

Concen: 55.924 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX019161.D

Acq: 28 Oct 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

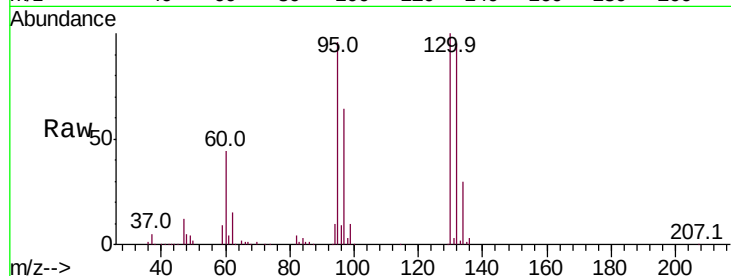
BP-TT-MW179D1-GW-20201019DL

Tot Ion:130 Resp: 237816

Ion Ratio Lower Upper

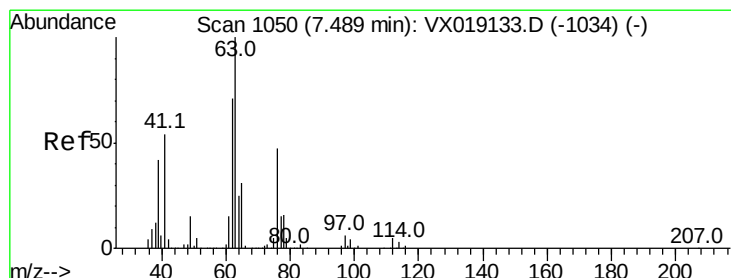
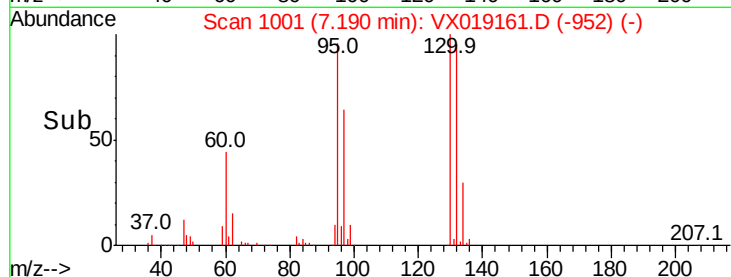
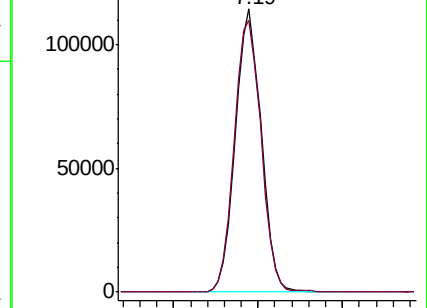
130 100

95 96.0 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 0.280 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019161.D

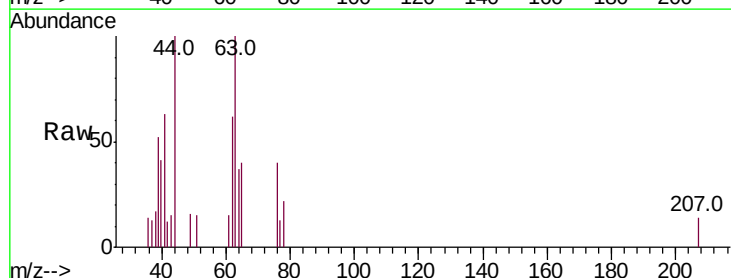
Acq: 28 Oct 2020 13:32

Tgt Ion: 63 Resp: 1017

Ion Ratio Lower Upper

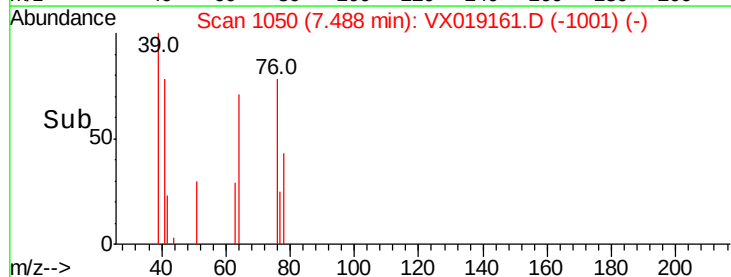
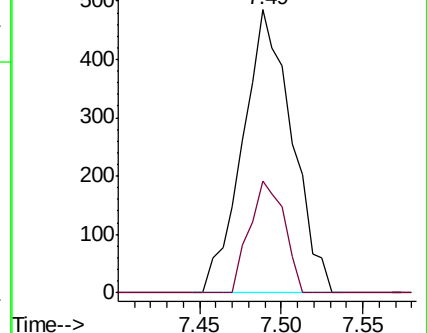
63 100

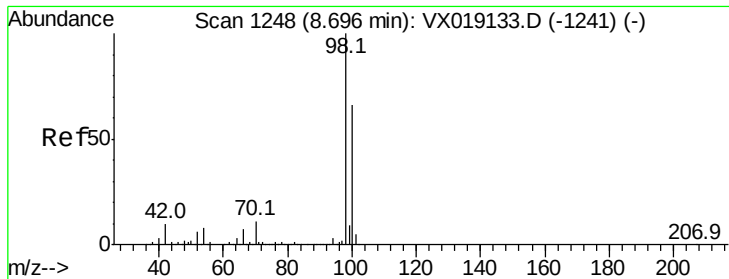
65 39.6 25.2 37.8#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#50

Toluene-d8

Concen: 50.971 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019161.D

Acq: 28 Oct 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

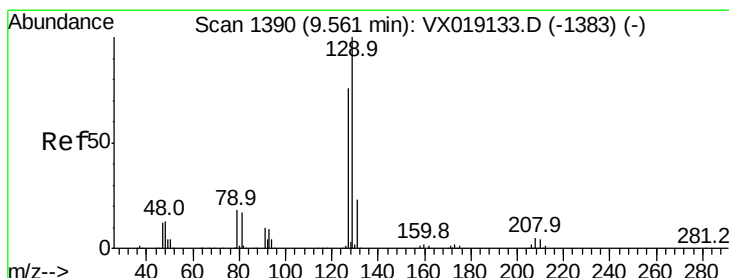
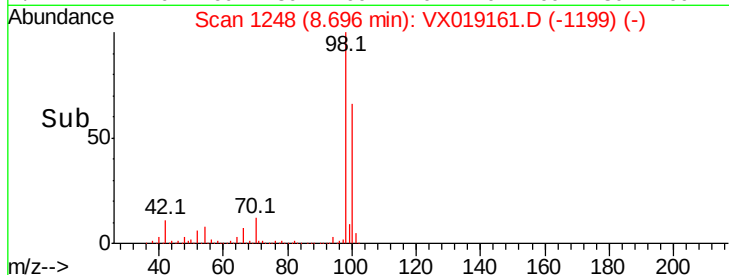
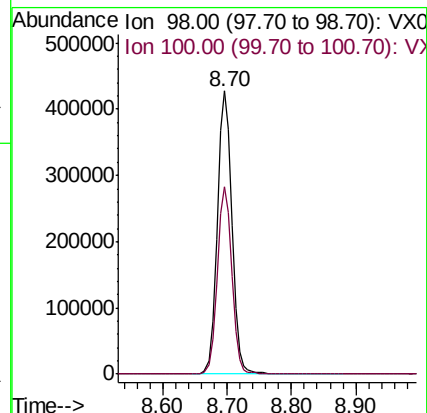
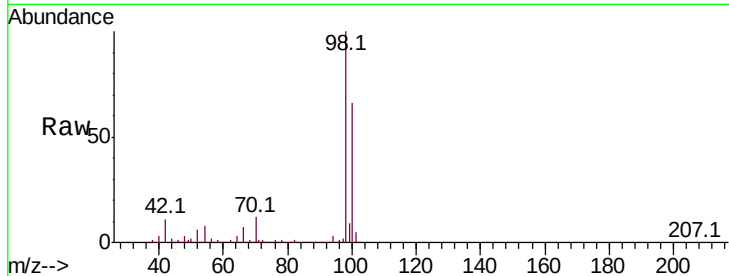
BP-TT-MW179D1-GW-20201019DL

Tot Ion: 98 Resp: 684481

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.6



#60

Dibromochloromethane

Concen: 4.877 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.24 min

Lab File: VX019161.D

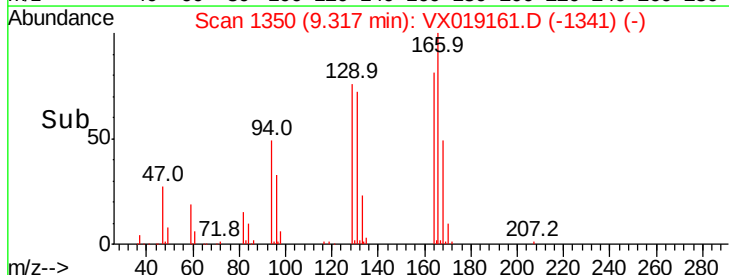
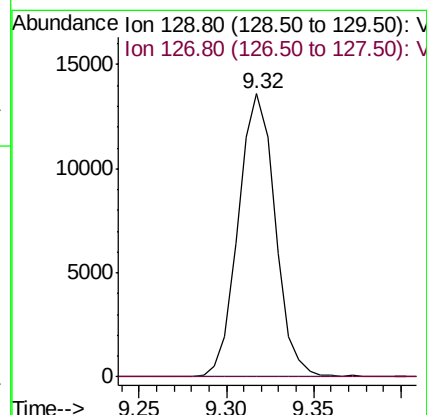
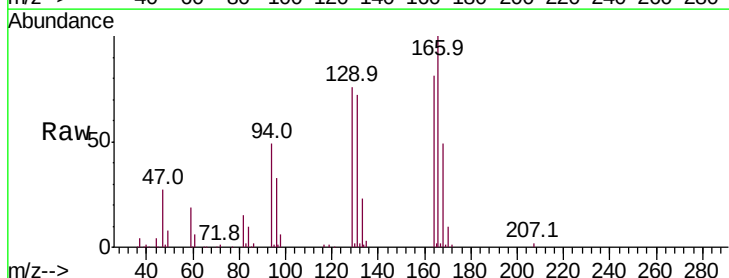
Acq: 28 Oct 2020 13:32

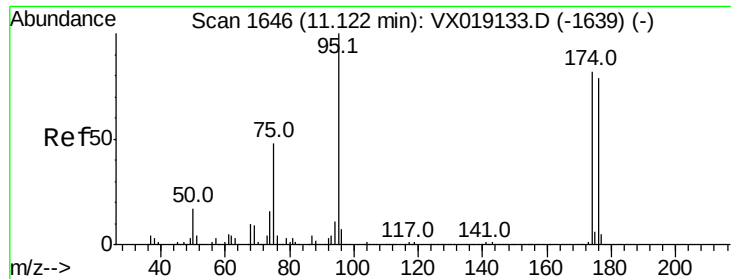
Tgt Ion:129 Resp: 19999

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 51.773 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019161.D

Acq: 28 Oct 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW179D1-GW-20201019DL

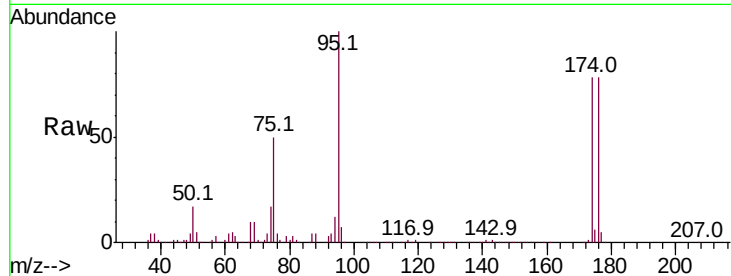
Tot Ion: 95 Resp: 263294

Ion Ratio Lower Upper

95 100

174 76.2 0.0 156.0

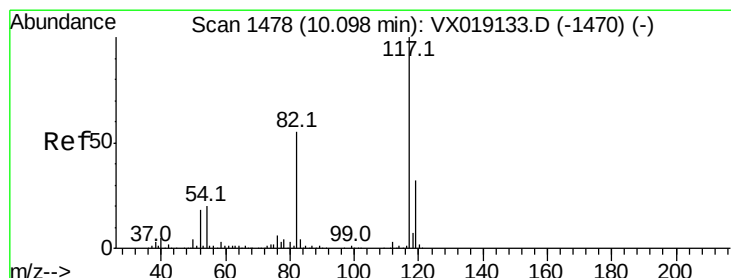
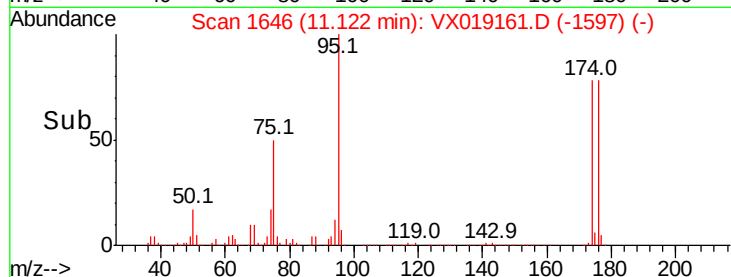
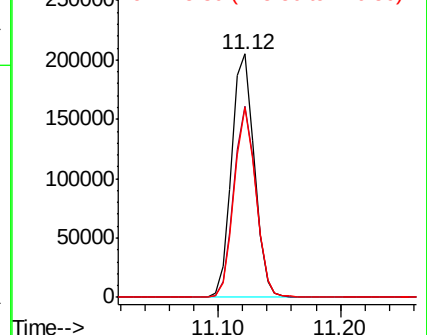
176 74.5 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019161.D

Acq: 28 Oct 2020 13:32

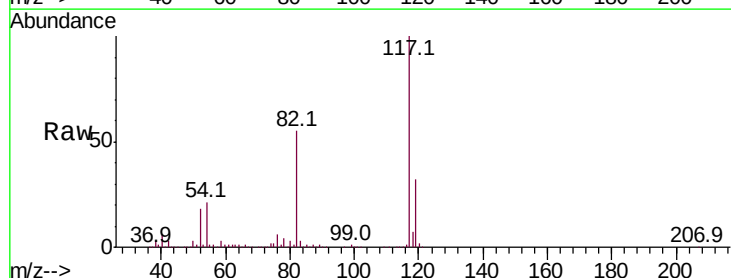
Tgt Ion: 117 Resp: 528059

Ion Ratio Lower Upper

117 100

82 54.8 43.6 65.4

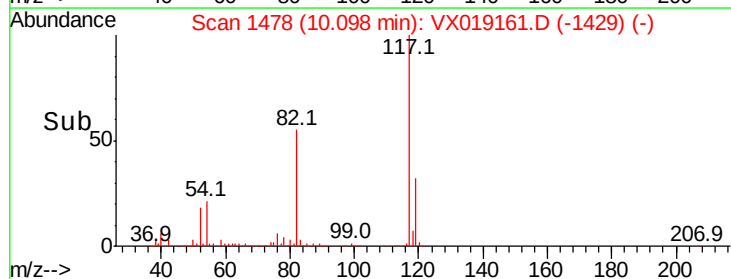
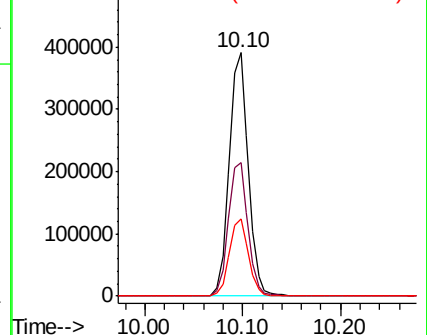
119 31.8 25.5 38.3

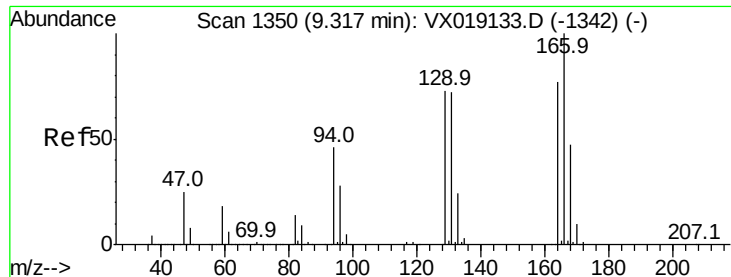


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 5.161 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX019161.D

Acq: 28 Oct 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW179D1-GW-20201019DL

Tot Ion:164 Resp: 20764

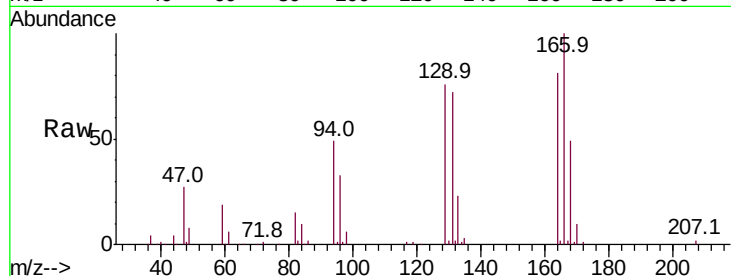
Ion Ratio Lower Upper

164 100

166 122.8 104.1 156.1

129 93.4 76.2 114.4

131 88.4 74.6 112.0



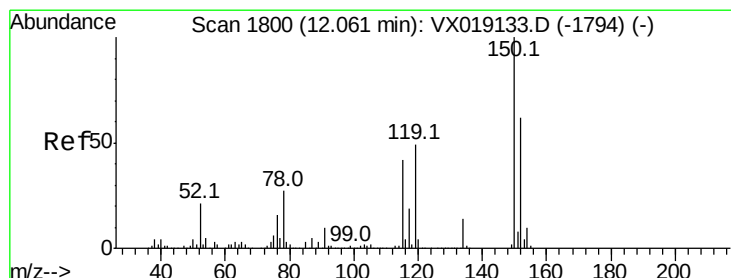
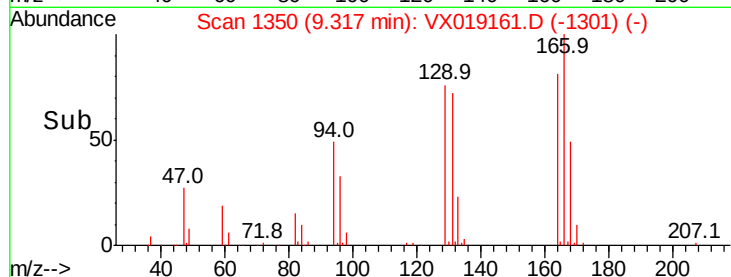
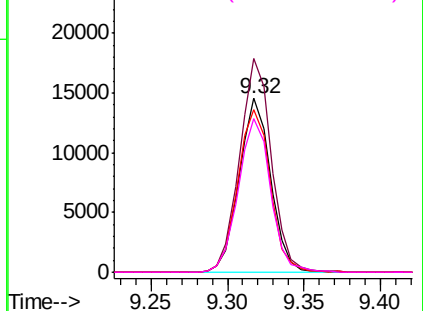
Abundance

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019161.D

Acq: 28 Oct 2020 13:32

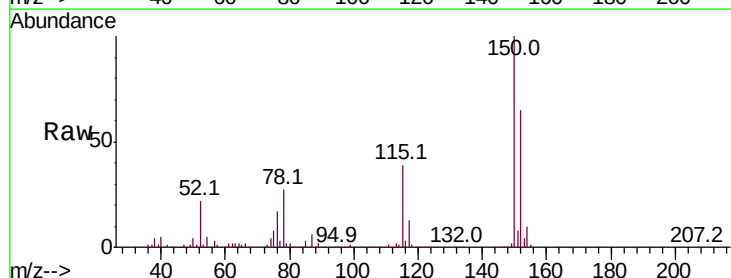
Tgt Ion:152 Resp: 265315

Ion Ratio Lower Upper

152 100

115 60.5 41.9 125.7

150 157.9 0.0 347.8

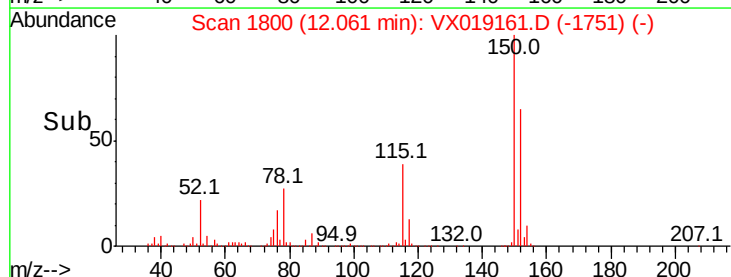
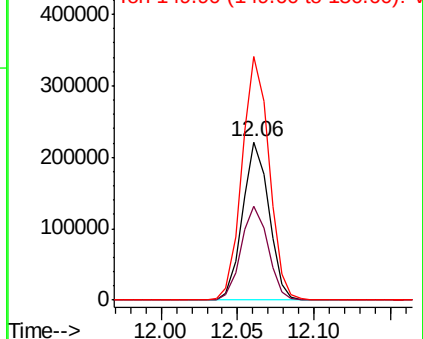


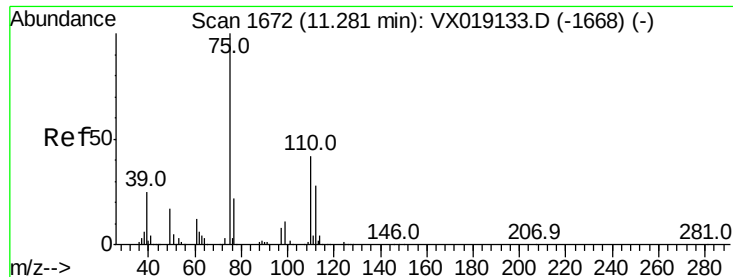
Abundance

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





#76

1,2,3-Trichloropropane

Concen: 24.445 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019161.D

Acq: 28 Oct 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

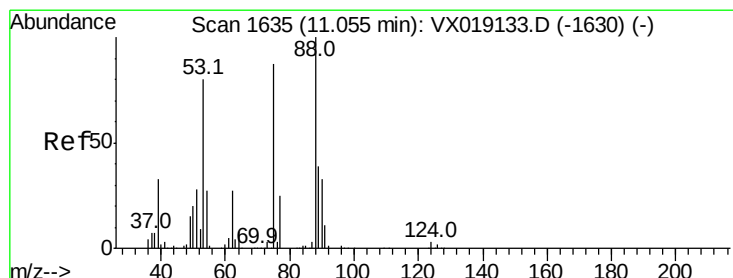
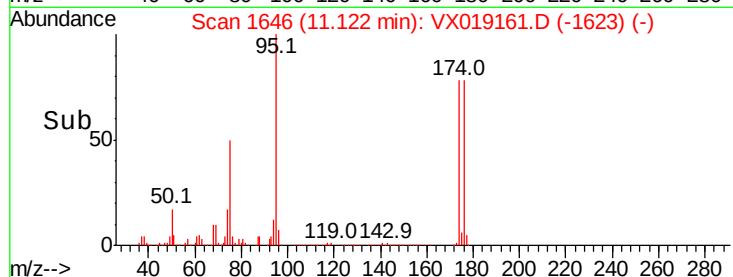
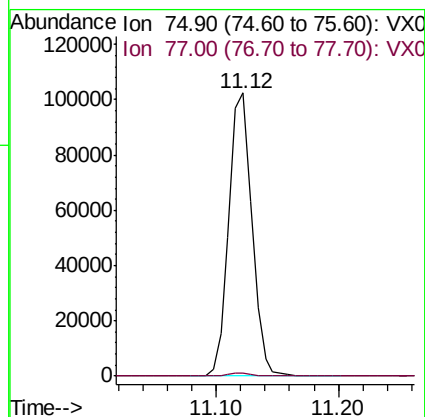
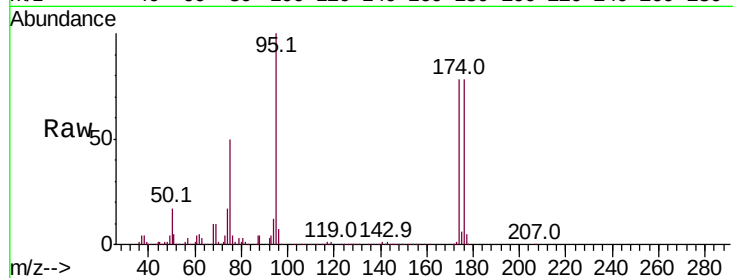
BP-TT-MW179D1-GW-20201019DL

Tot Ion: 75 Resp: 133915

Ion Ratio Lower Upper

75 100

77 1.2 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.364 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019161.D

Acq: 28 Oct 2020 13:32

Tgt Ion: 75 Resp: 133915

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

