

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112320\
 Data File : VX019557.D
 Acq On : 23 Nov 2020 17:49
 Operator : JC/MD
 Sample : L4839-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B1-GW

Quant Time: Nov 24 00:33:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	340915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	550056	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	460226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	194018	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	202420	45.79	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.58%
35) Dibromofluoromethane	5.46	113	162158	46.97	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.94%
50) Toluene-d8	8.70	98	634775	47.31	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.62%
62) 4-Bromofluorobenzene	11.12	95	210674	43.64	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.28%

Target Compounds

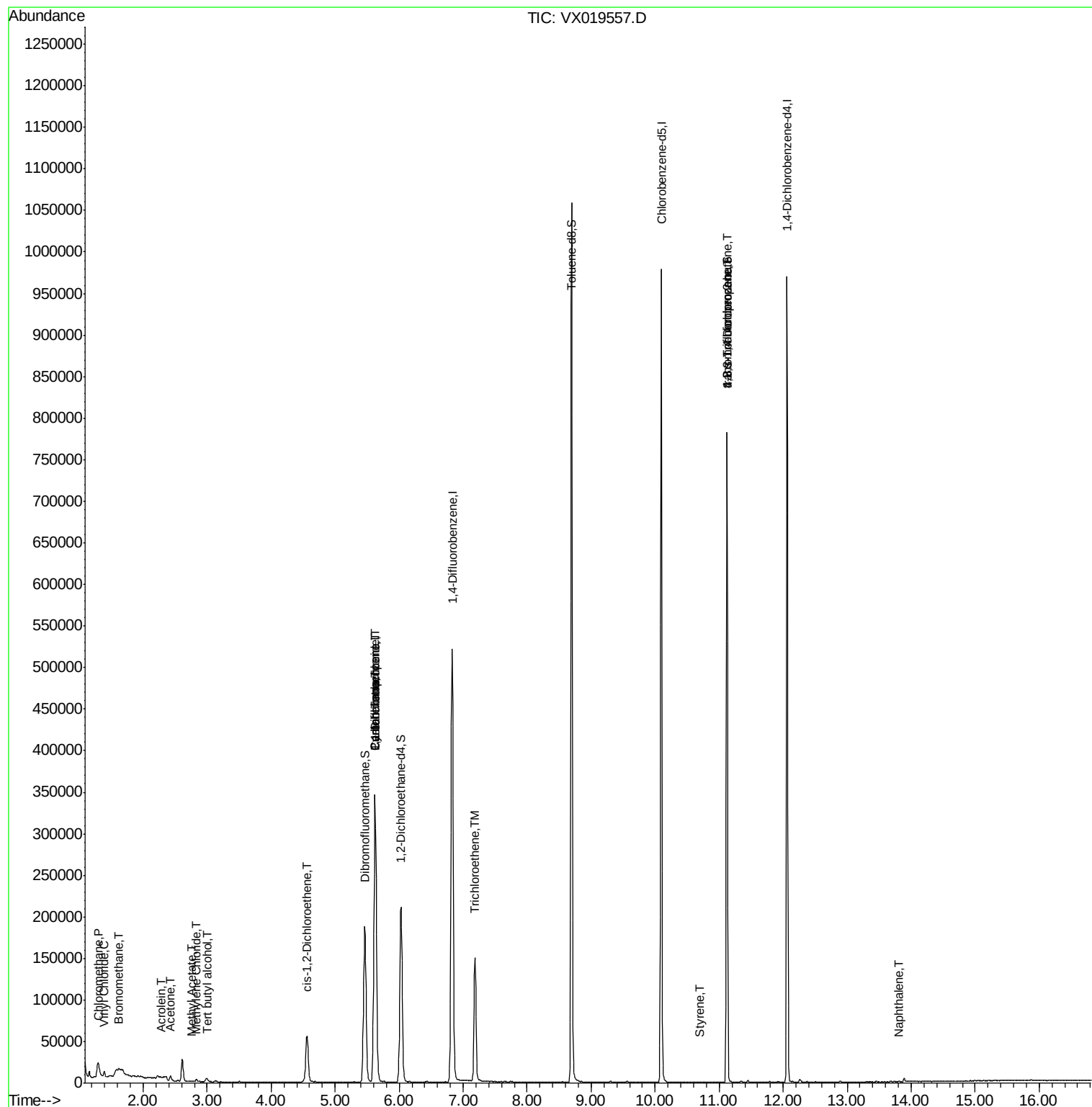
					Qvalue
3) Chloromethane	1.31	50	1179	0.310	ug/l 93
4) Vinyl Chloride	1.39	62	3269	0.798	ug/l 91
5) Bromomethane	1.62	94	534	0.344	ug/l # 55
6) Chloroethane	1.70	64	572	Below Cal	# 44
11) Tert butyl alcohol	3.00	59	3105	3.712	ug/l # 73
13) Acrolein	2.29	56	280	0.498	ug/l # 50
16) Acetone	2.43	43	5294	3.097	ug/l 99
18) Methyl Acetate	2.76	43	644	0.786	ug/l # 76
20) Methylene Chloride	2.83	84	1405	0.329	ug/l # 87
27) cis-1,2-Dichloroethene	4.56	96	37299	8.468	ug/l 96
31) Cyclohexane	5.62	56	6660	1.158	ug/l # 1
36) 1,1-Dichloropropene	5.62	75	25148	4.877	ug/l # 50
38) Carbon Tetrachloride	5.62	117	33199	6.651	ug/l # 16
44) Trichloroethene	7.18	130	57583	13.875	ug/l 95
70) Styrene	10.70	104	46	1.650	ug/l 89
76) 1,2,3-Trichloropropane	11.12	75	103233	24.381	ug/l # 37
81) trans-1,4-Dichloro-2-buten	11.12	75	103233	64.510	ug/l # 12
95) Naphthalene	13.81	128	270	2.196	ug/l # 69

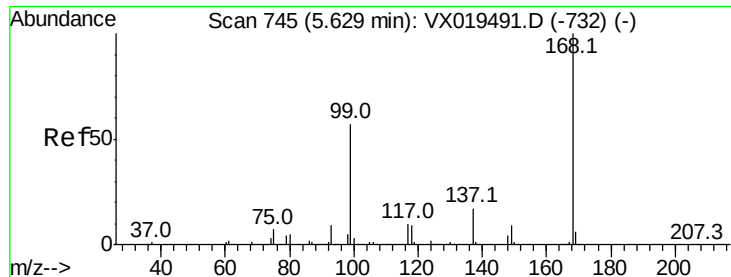
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019557.D

Acq: 23 Nov 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

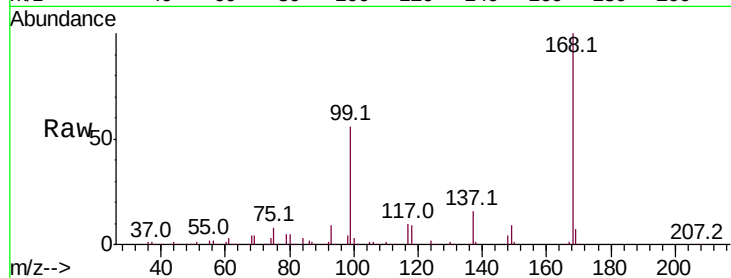
B1-GW

Tot Ion:168 Resp: 340915

Ion Ratio Lower Upper

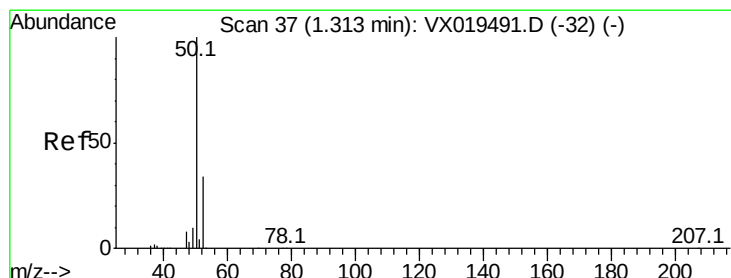
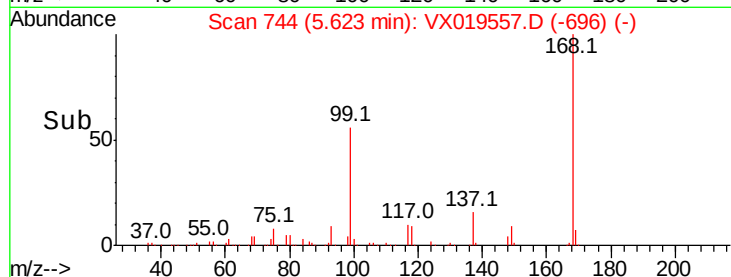
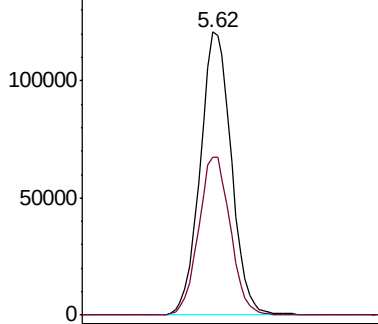
168 100

99 55.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.310 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019557.D

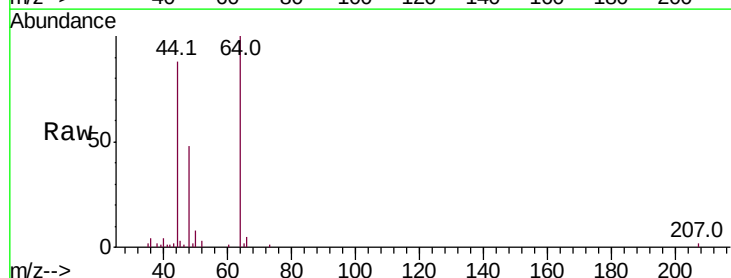
Acq: 23 Nov 2020 17:49

Tgt Ion: 50 Resp: 1179

Ion Ratio Lower Upper

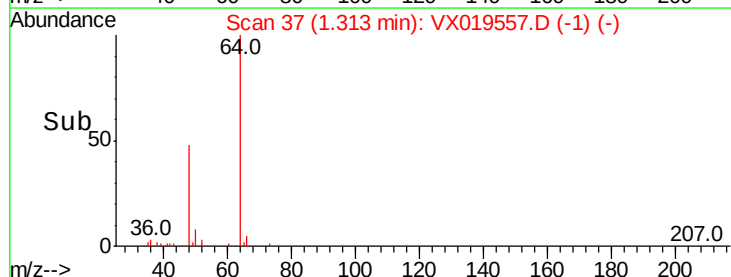
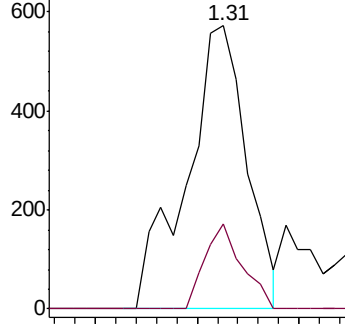
50 100

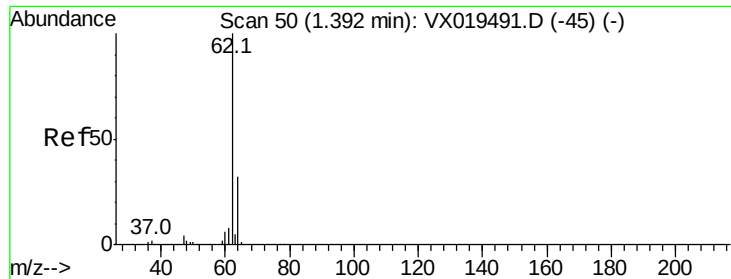
52 29.9 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.798 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019557.D

Acq: 23 Nov 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

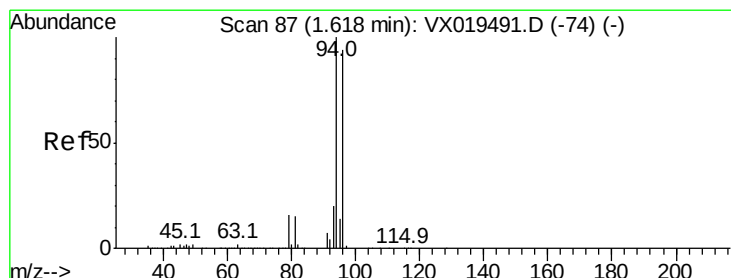
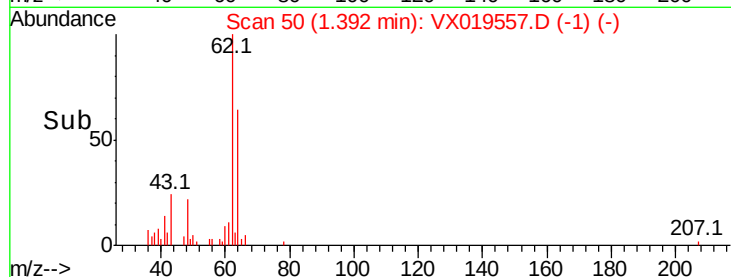
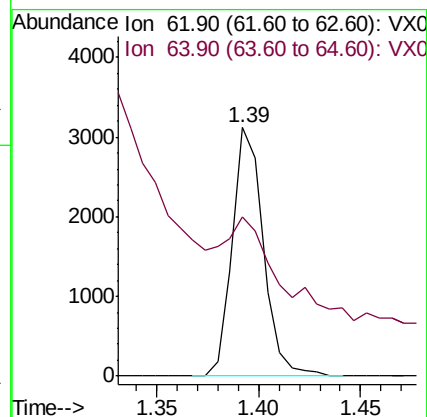
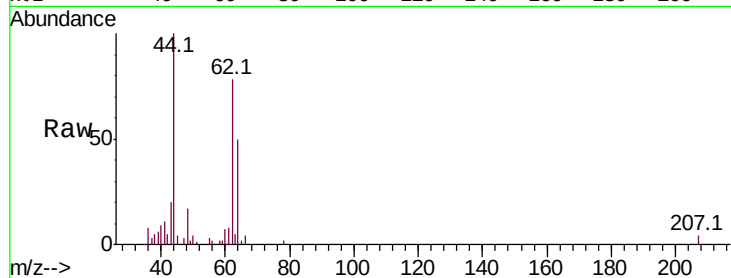
B1-GW

Tot Ion: 62 Resp: 3269

Ion Ratio Lower Upper

62 100

64 36.8 25.4 38.2



#5

Bromomethane

Concen: 0.344 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019557.D

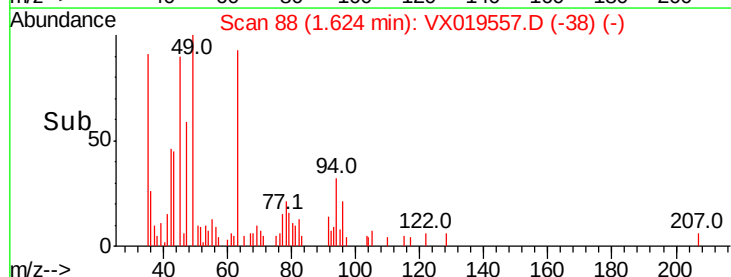
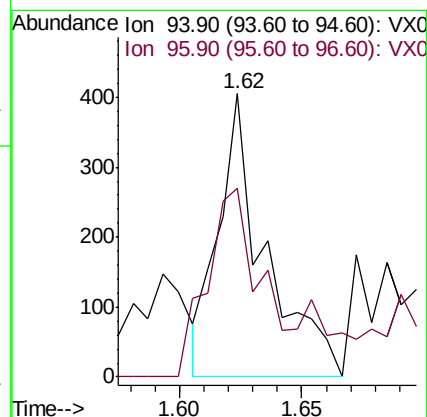
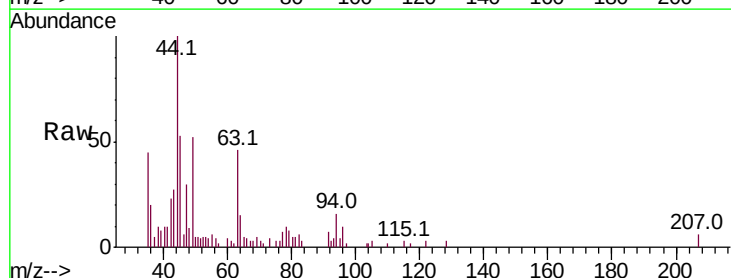
Acq: 23 Nov 2020 17:49

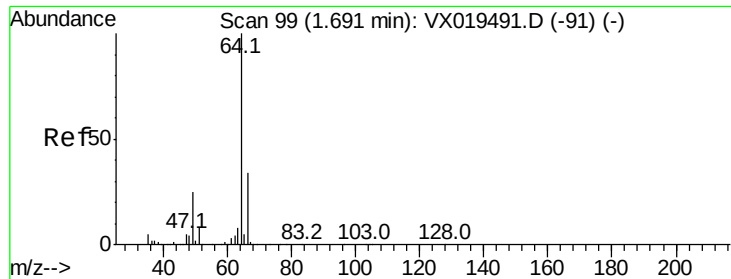
Tgt Ion: 94 Resp: 534

Ion Ratio Lower Upper

94 100

96 50.9 75.6 113.4#





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 100

Delta R.T. 0.01 min

Lab File: VX019557.D

Acq: 23 Nov 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

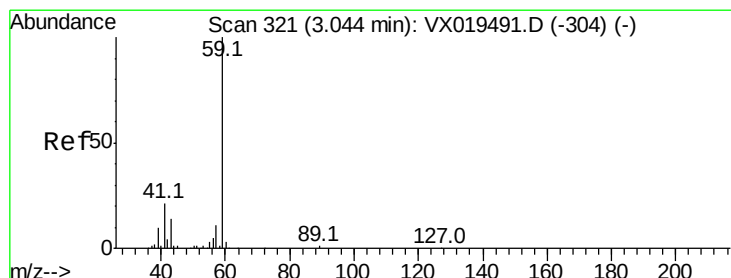
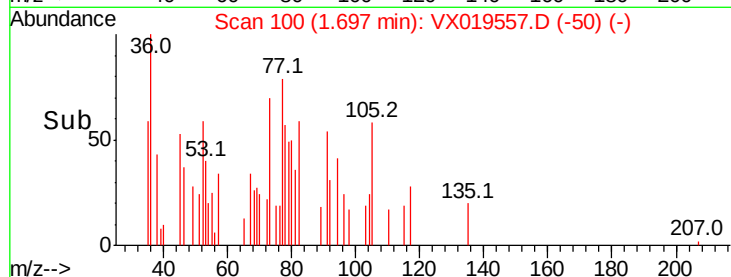
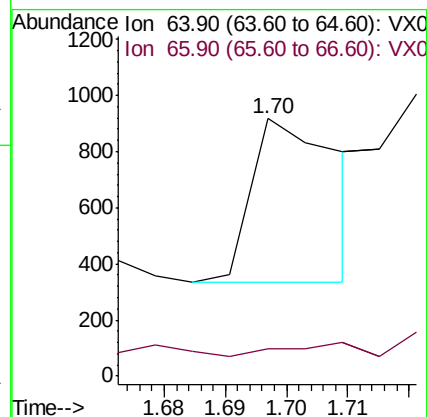
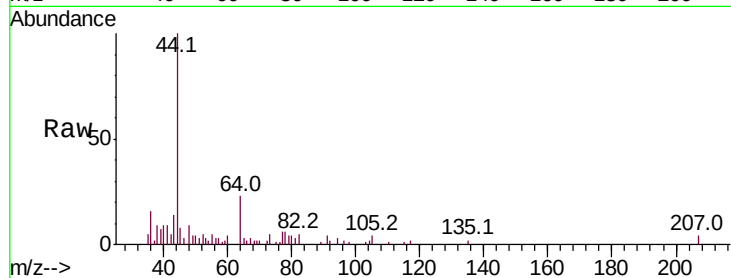
B1-GW

Tot Ion: 64 Resp: 572

Ion Ratio Lower Upper

64 100

66 1.7 27.1 40.7#



#11

Tert butyl alcohol

Concen: 3.712 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.05 min

Lab File: VX019557.D

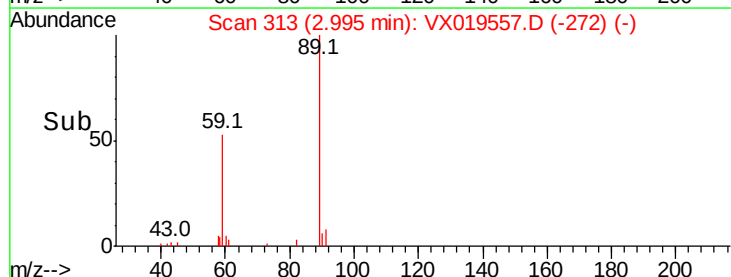
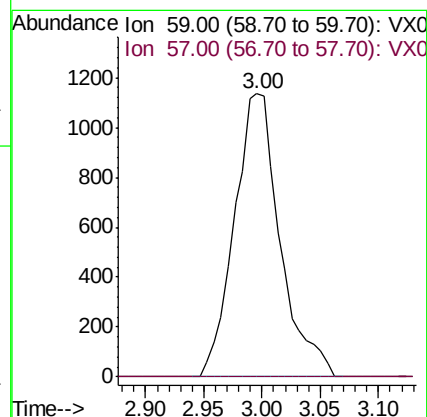
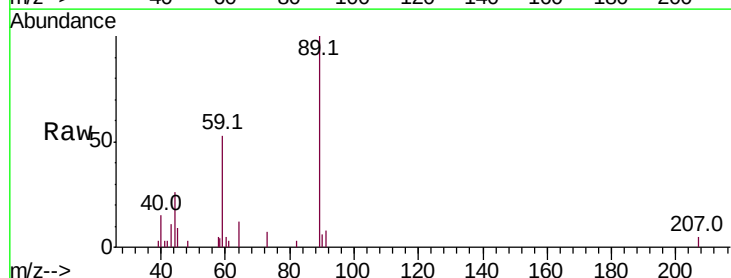
Acq: 23 Nov 2020 17:49

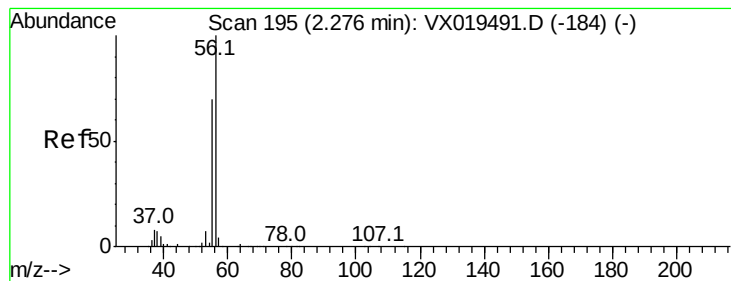
Tgt Ion: 59 Resp: 3105

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#





#13

Acrolein

Concen: 0.498 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.01 min

Lab File: VX019557.D

Acq: 23 Nov 2020 17:49

Instrument :

MSVOA_X

ClientSampled :

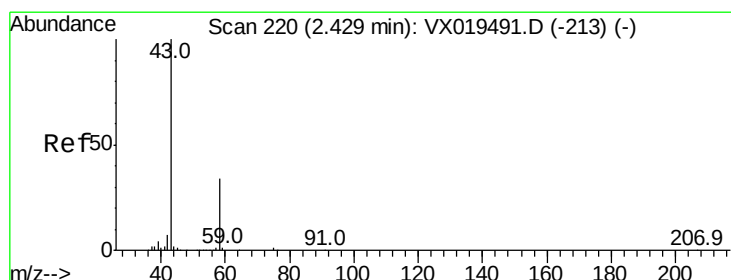
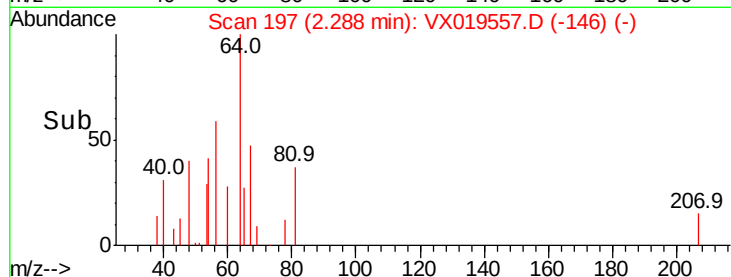
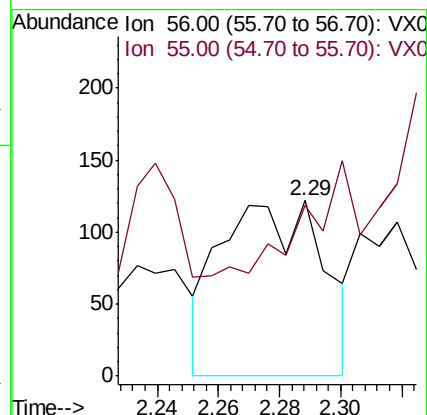
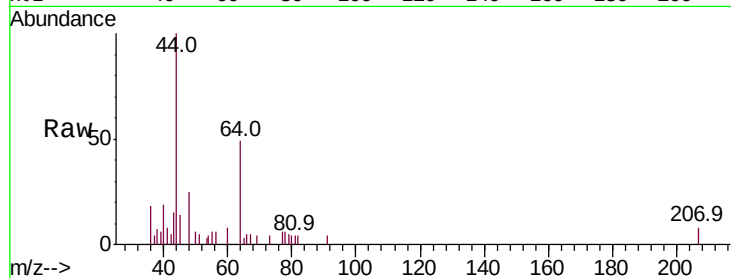
B1-GW

Tot Ion: 56 Resp: 280

Ion Ratio Lower Upper

56 100

55 28.6 55.5 83.3#



#16

Acetone

Concen: 3.097 ug/l

RT: 2.43 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX019557.D

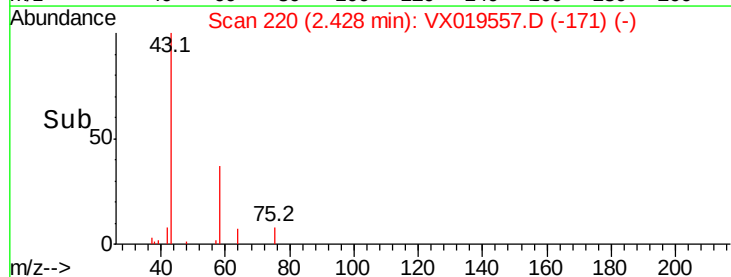
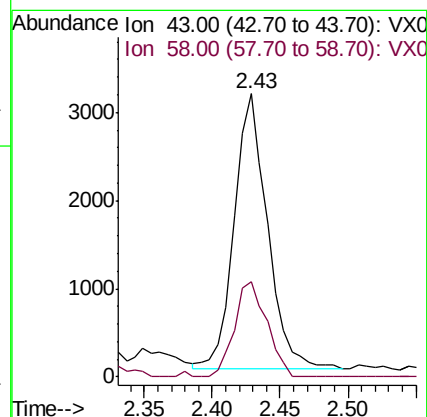
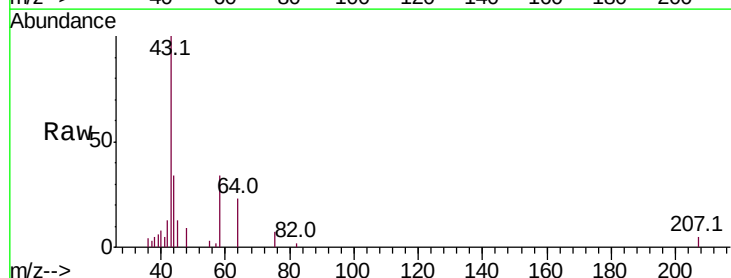
Acq: 23 Nov 2020 17:49

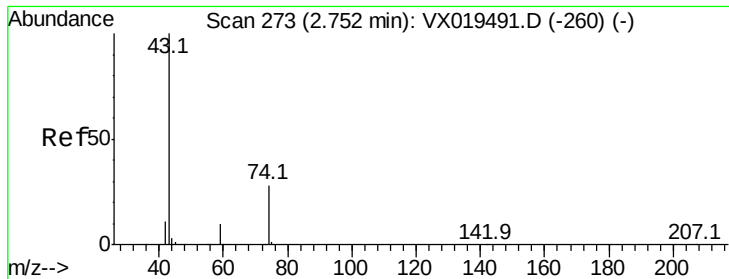
Tgt Ion: 43 Resp: 5294

Ion Ratio Lower Upper

43 100

58 34.6 27.4 41.2

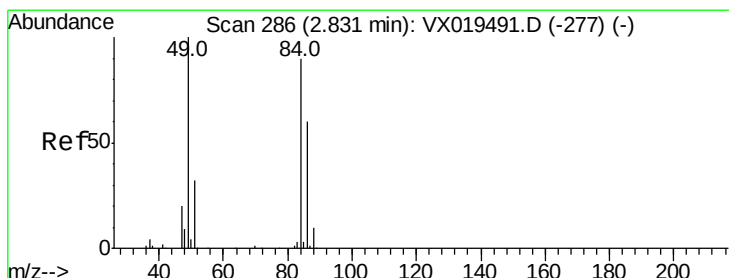
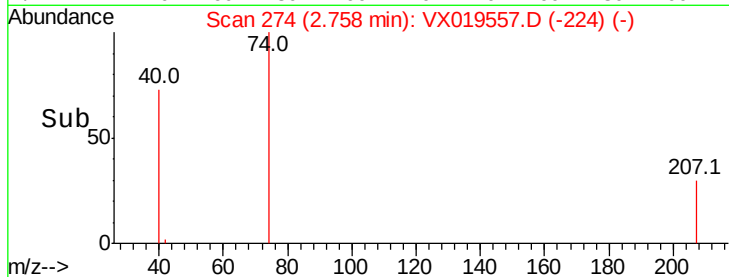
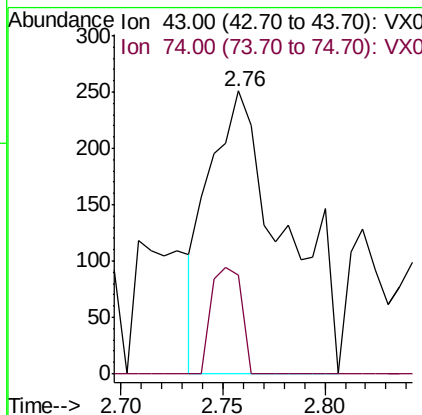
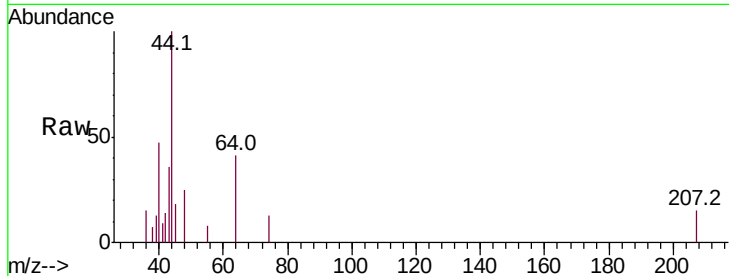




#18
Methyl Acetate
Concen: 0.786 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX019557.D
Acq: 23 Nov 2020 17:49

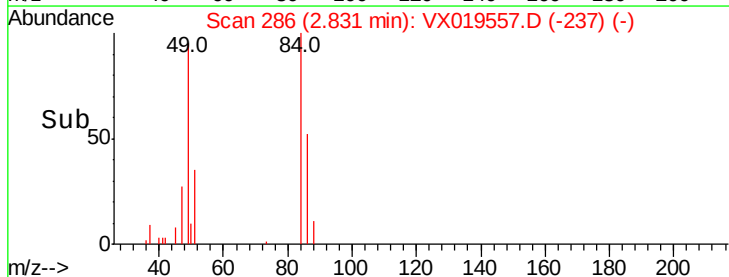
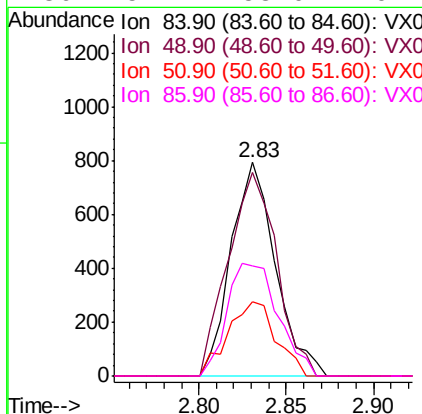
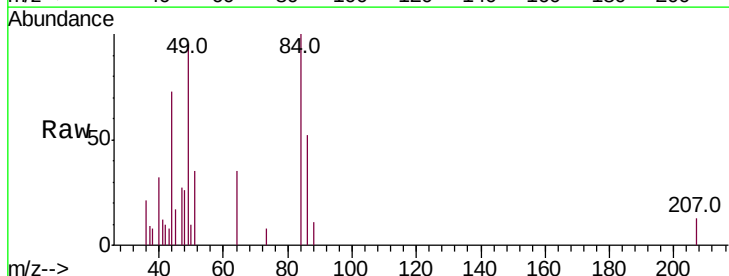
Instrument :
MSVOA_X
ClientSampled :
B1-GW

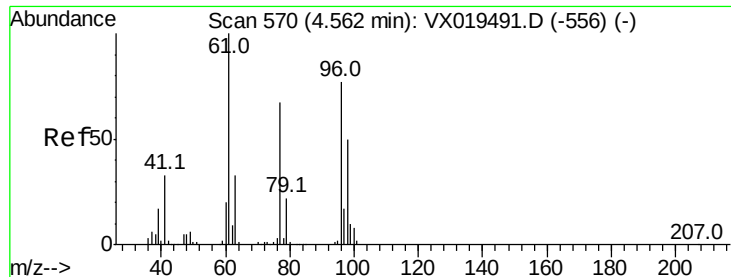
Tot Ion: 43 Resp: 644
Ion Ratio Lower Upper
43 100
74 15.1 22.2 33.4#



#20
Methylene Chloride
Concen: 0.329 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019557.D
Acq: 23 Nov 2020 17:49

Tgt Ion: 84 Resp: 1405
Ion Ratio Lower Upper
84 100
49 95.3 88.5 132.7
51 34.8 28.0 42.0
86 51.7 53.0 79.4#



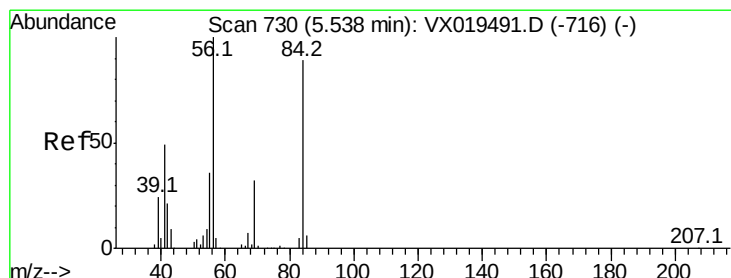
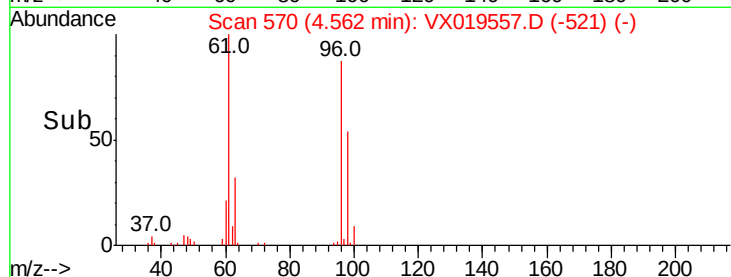
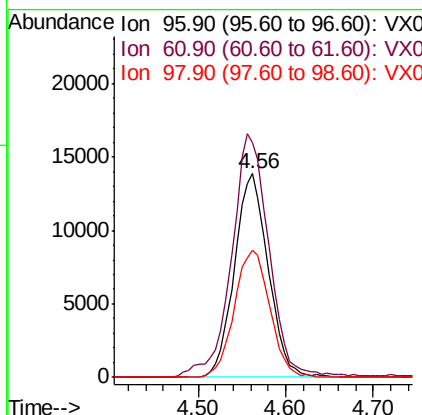
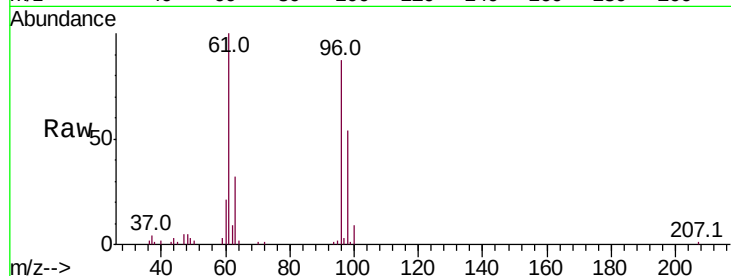


#27

cis-1,2-Dichloroethene
 Concen: 8.468 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VX019557.D
 Acq: 23 Nov 2020 17:49

Instrument :
 MSVOA_X
 ClientSampleId :
 B1-GW

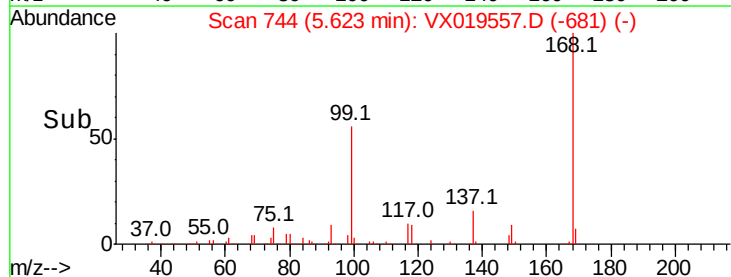
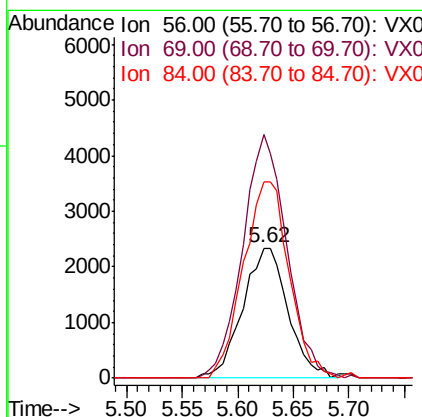
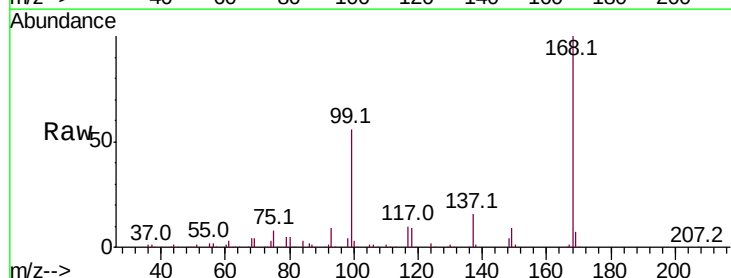
Tot Ion	96	Resp	37299
Ion	Ratio	Lower	Upper
96	100		
61	132.9	0.0	279.2
98	65.2	0.0	129.8

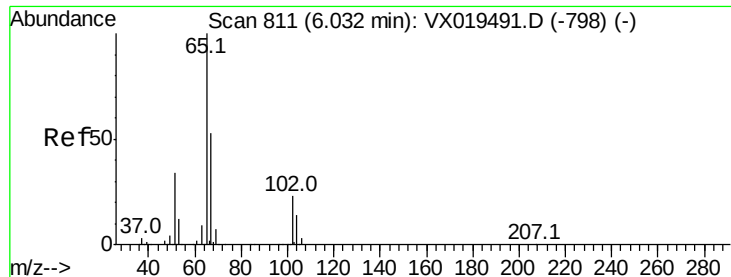


#31

Cyclohexane
 Concen: 1.158 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. 0.09 min
 Lab File: VX019557.D
 Acq: 23 Nov 2020 17:49

Tgt Ion	56	Resp	6660
Ion	Ratio	Lower	Upper
56	100		
69	186.9	25.5	38.3#
84	150.7	71.1	106.7#

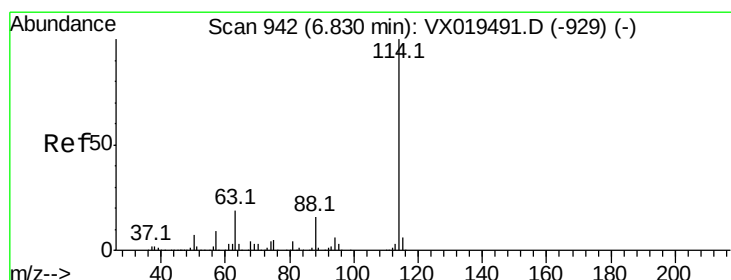
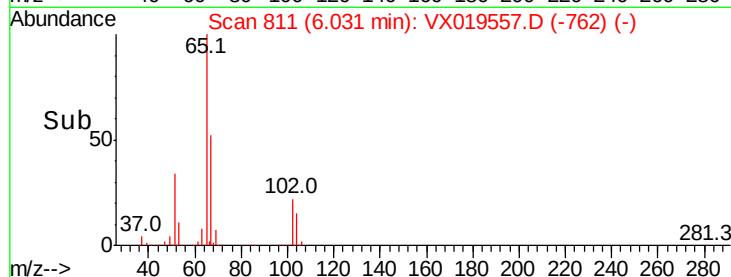
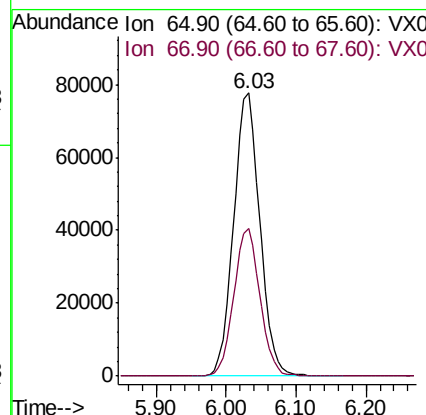
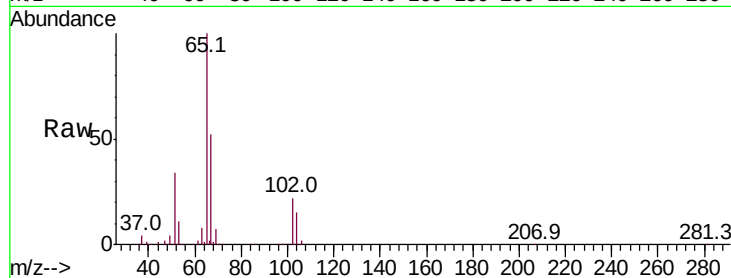




#33
 1,2-Dichloroethane-d4
 Concen: 45.794 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019557.D
 Acq: 23 Nov 2020 17:49

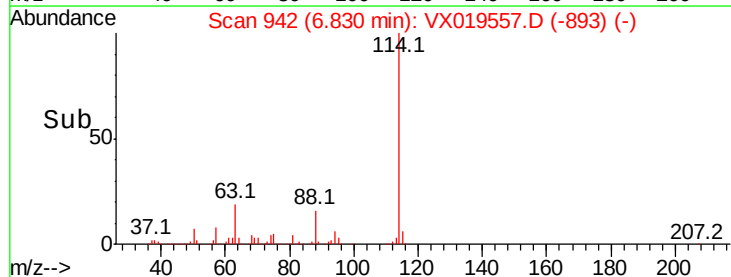
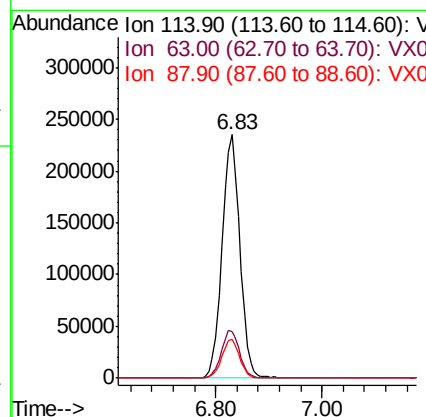
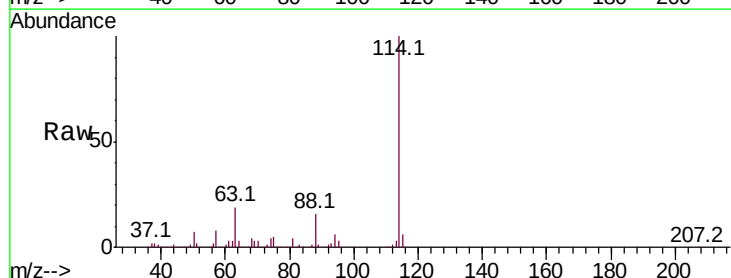
Instrument :
 MSVOA_X
 ClientSampleId :
 B1-GW

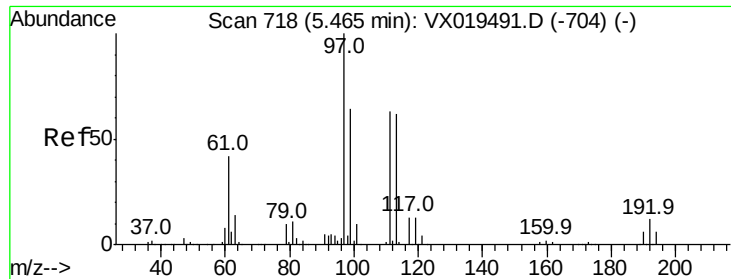
Tot Ion: 65 Resp: 202420
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019557.D
 Acq: 23 Nov 2020 17:49

Tgt Ion:114 Resp: 550056
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.8
 88 15.8 0.0 31.6

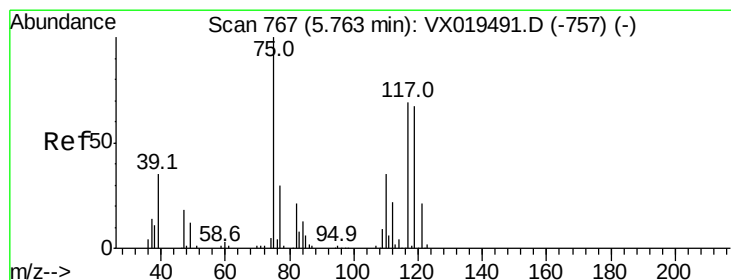
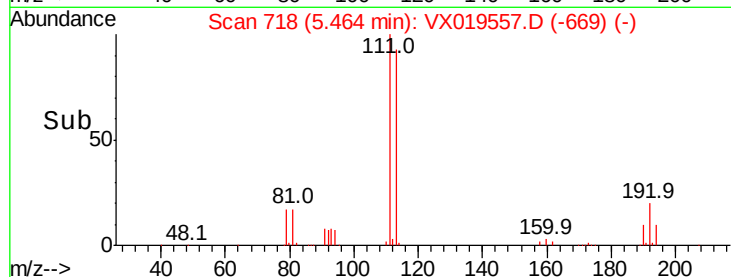
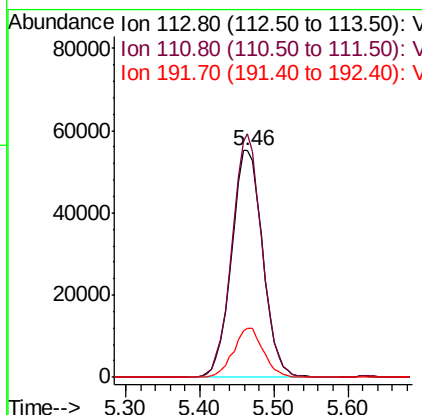
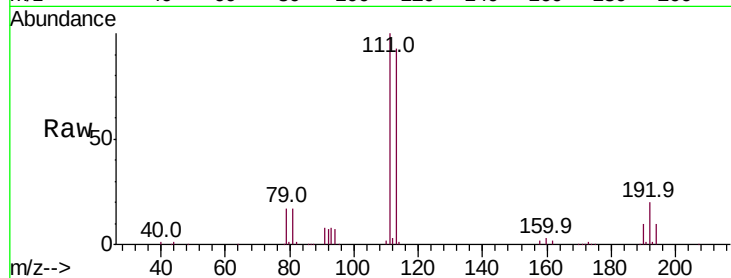




#35
 Dibromofluoromethane
 Concen: 46.966 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019557.D
 Acq: 23 Nov 2020 17:49

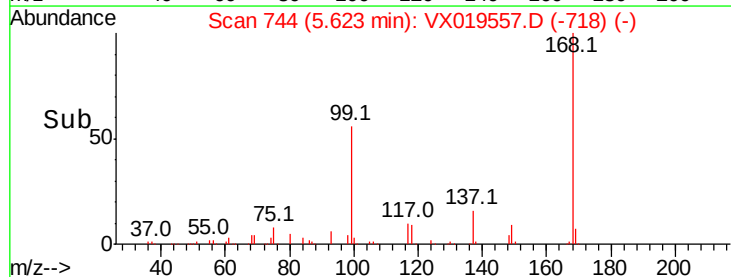
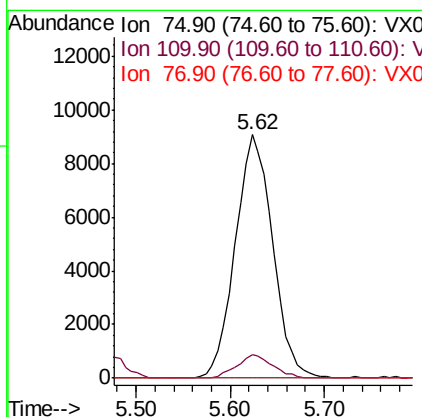
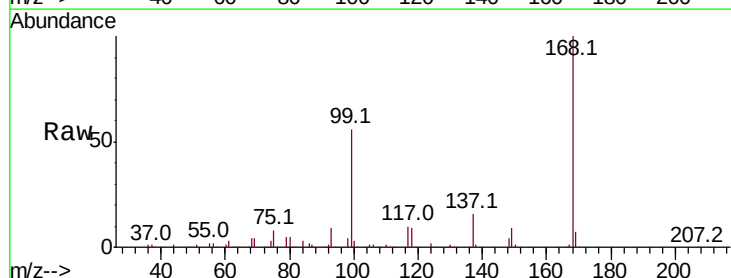
Instrument :
 MSVOA_X
 ClientSampleId :
 B1-GW

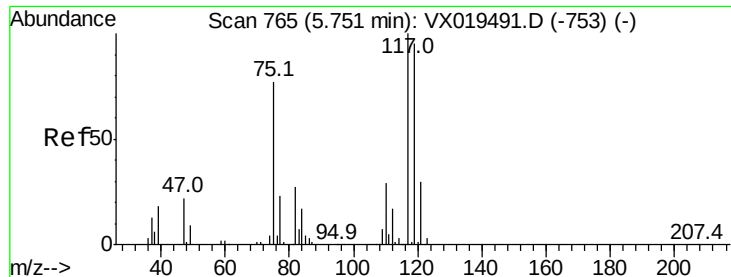
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.5	122.3
192	20.9	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.877 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019557.D
 Acq: 23 Nov 2020 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.3#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 6.651 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019557.D

Acq: 23 Nov 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

B1-GW

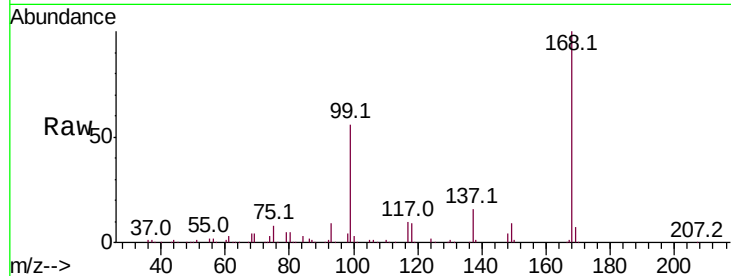
Tot Ion:117 Resp: 33199

Ion Ratio Lower Upper

117 100

119 4.6 75.9 113.9#

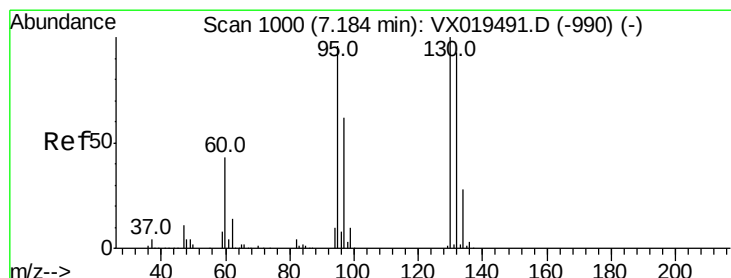
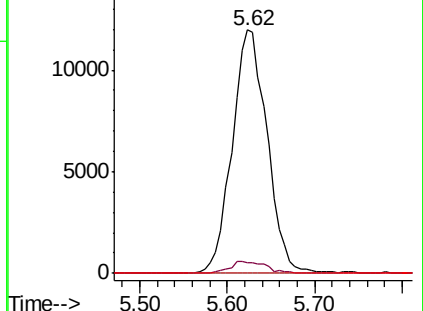
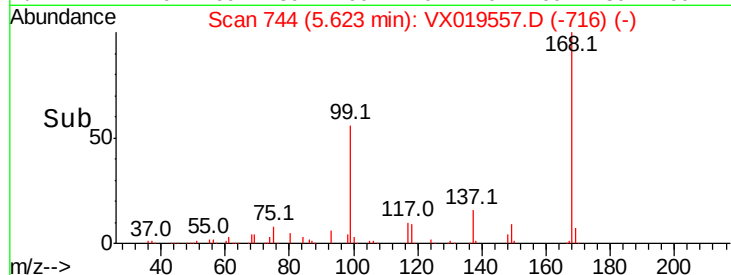
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 13.875 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019557.D

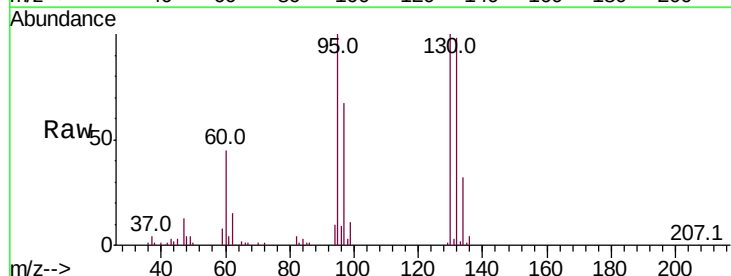
Acq: 23 Nov 2020 17:49

Tgt Ion:130 Resp: 57583

Ion Ratio Lower Upper

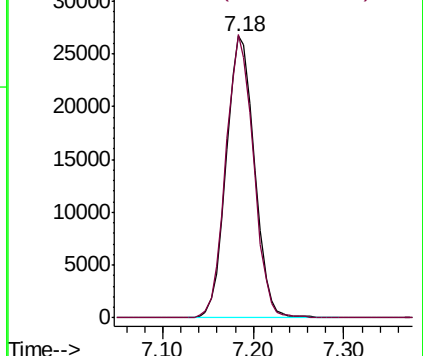
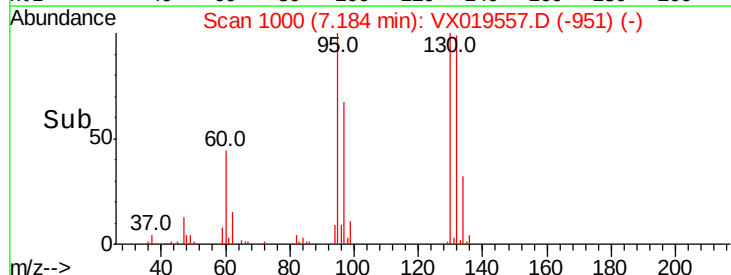
130 100

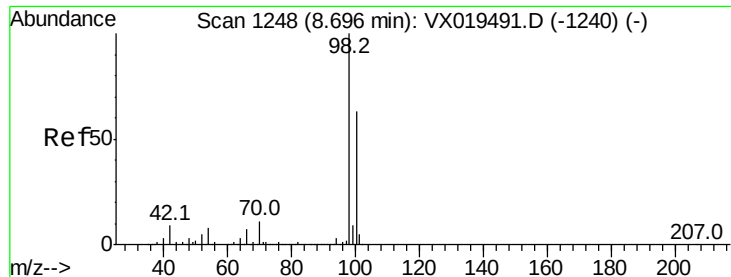
95 100.4 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 47.312 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019557.D

Acq: 23 Nov 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

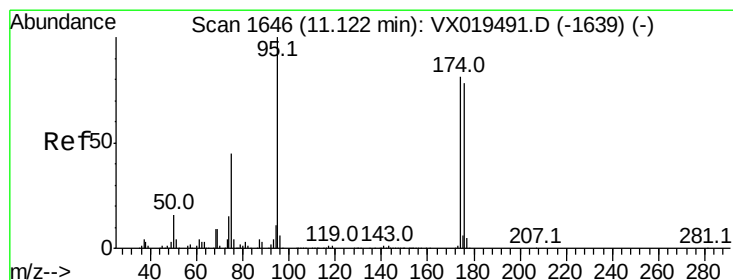
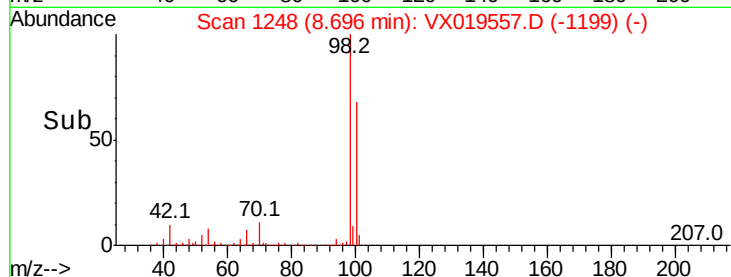
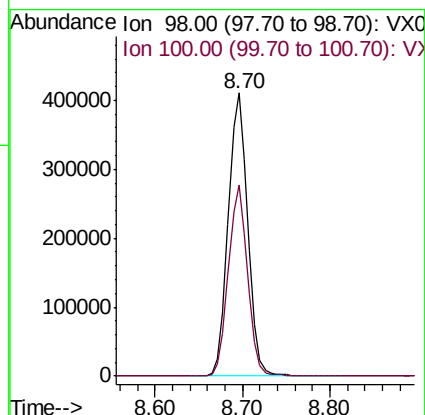
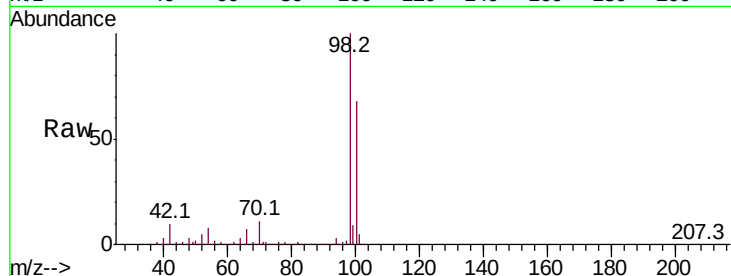
B1-GW

Tot Ion: 98 Resp: 634775

Ion Ratio Lower Upper

98 100

100 66.5 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 43.643 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019557.D

Acq: 23 Nov 2020 17:49

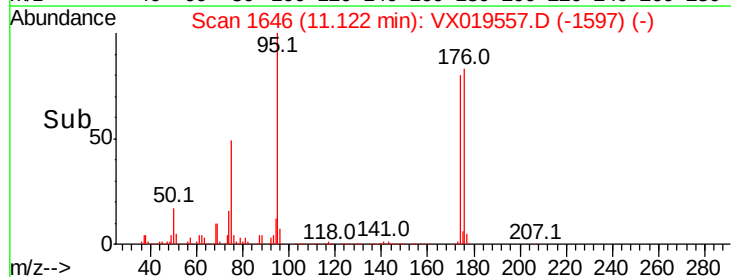
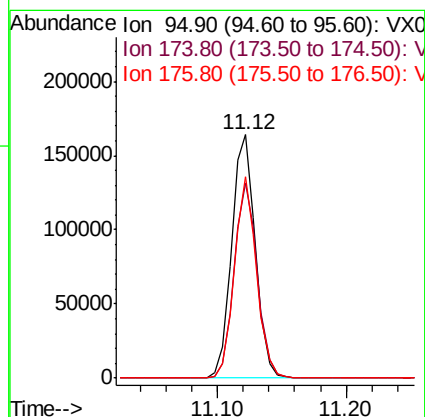
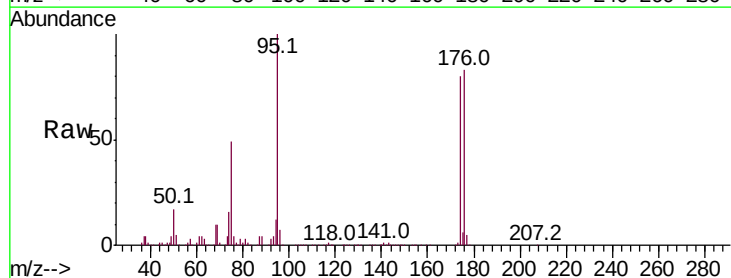
Tgt Ion: 95 Resp: 210674

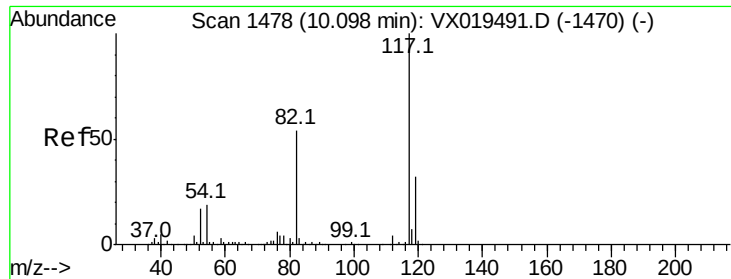
Ion Ratio Lower Upper

95 100

174 78.6 0.0 156.2

176 77.2 0.0 151.4

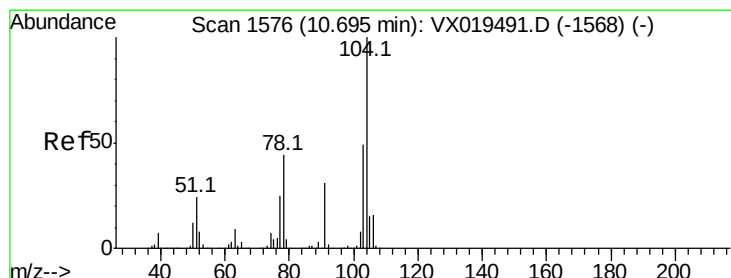
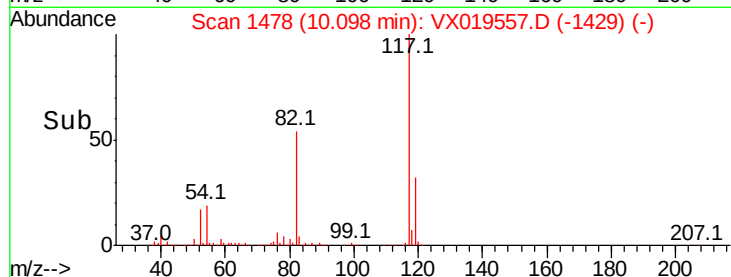
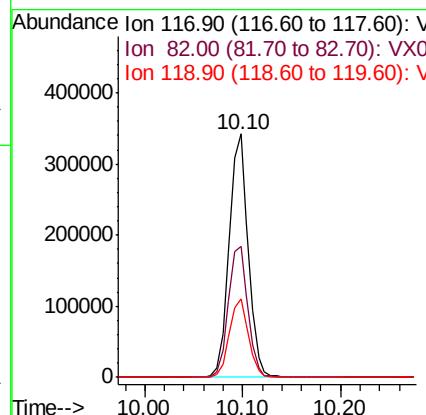
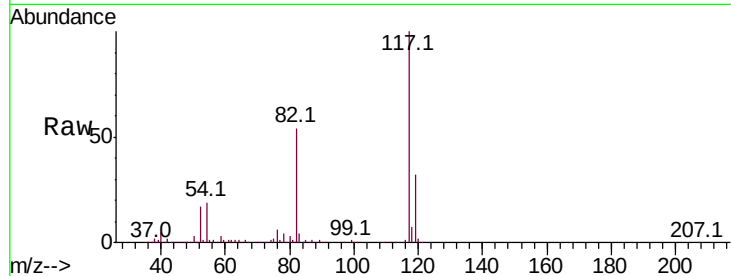




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019557.D
Acq: 23 Nov 2020 17:49

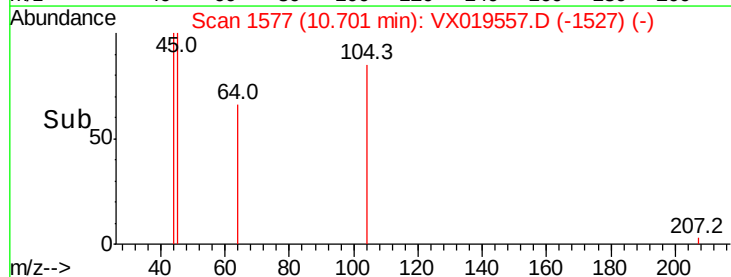
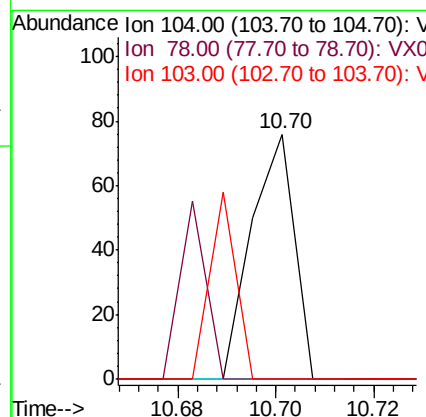
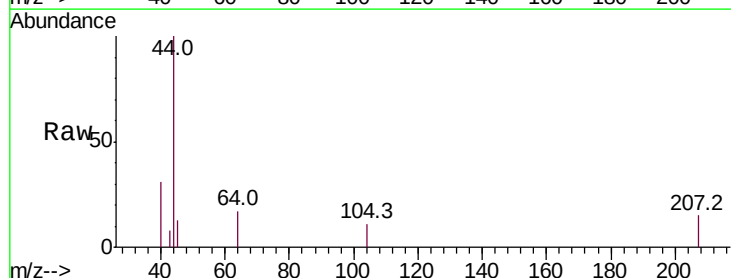
Instrument :
MSVOA_X
ClientSampled :
B1-GW

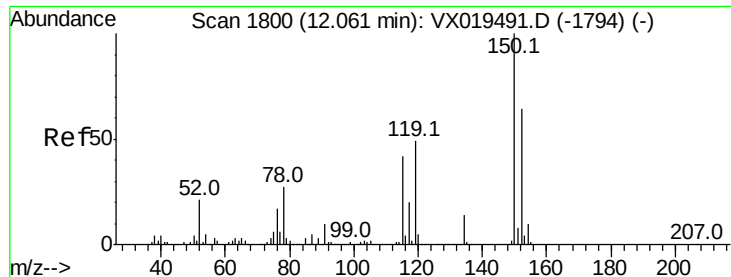
Tot Ion:117 Resp: 460226
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 32.3 25.6 38.4



#70
Styrene
Concen: 1.650 ug/l
RT: 10.70 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VX019557.D
Acq: 23 Nov 2020 17:49

Tgt Ion:104 Resp: 46
Ion Ratio Lower Upper
104 100
78 43.5 39.5 59.3
103 45.7 43.6 65.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019557.D

Acq: 23 Nov 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

B1-GW

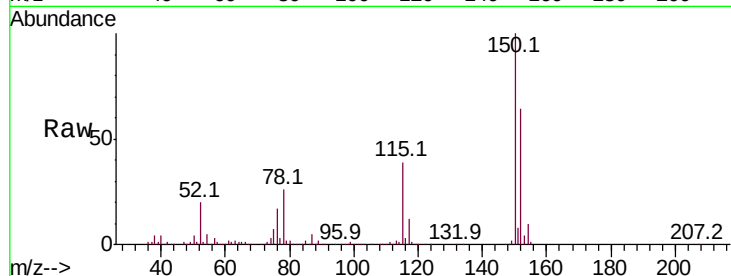
Tot Ion:152 Resp: 194018

Ion Ratio Lower Upper

152 100

115 59.9 41.8 125.4

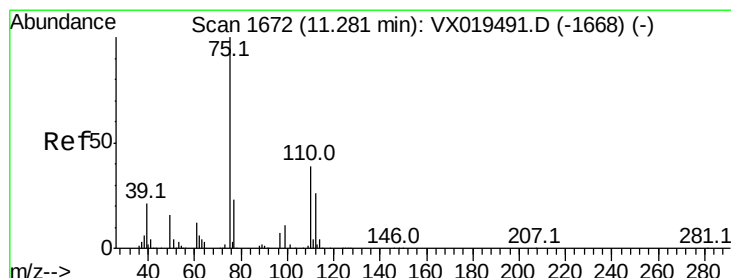
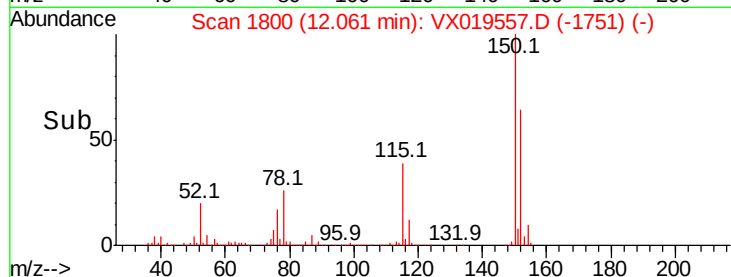
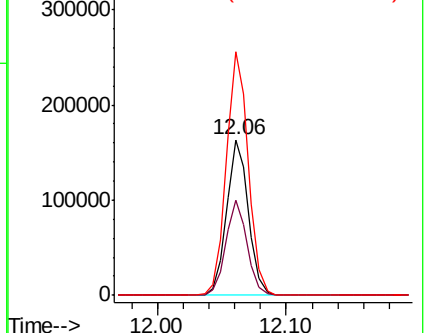
150 157.9 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.381 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019557.D

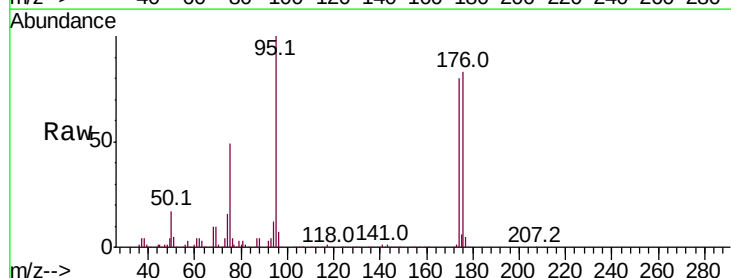
Acq: 23 Nov 2020 17:49

Tgt Ion: 75 Resp: 103233

Ion Ratio Lower Upper

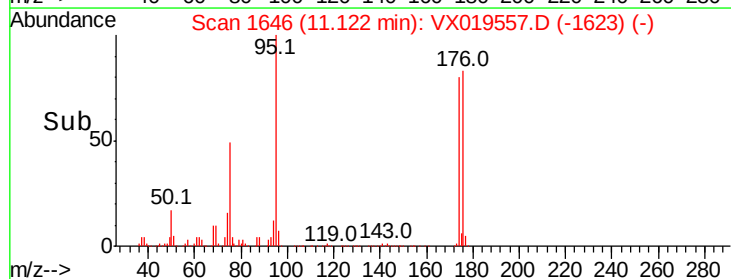
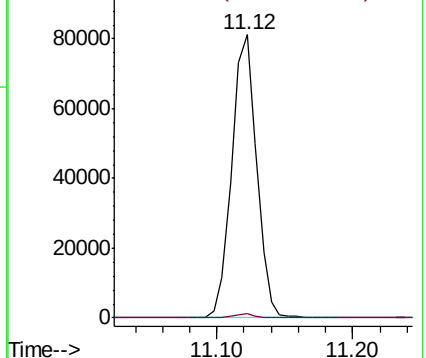
75 100

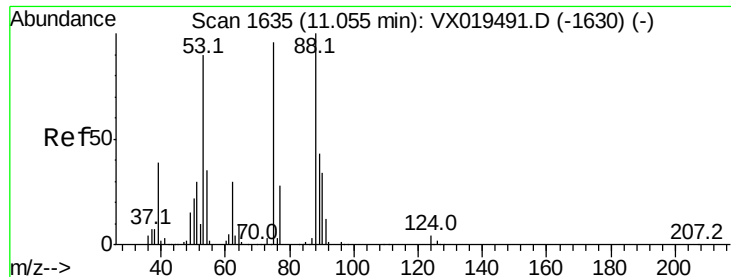
77 1.2 20.0 60.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

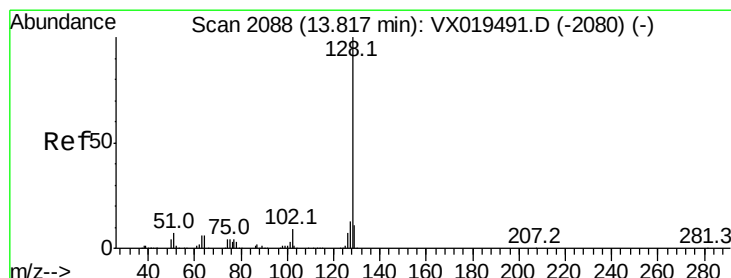
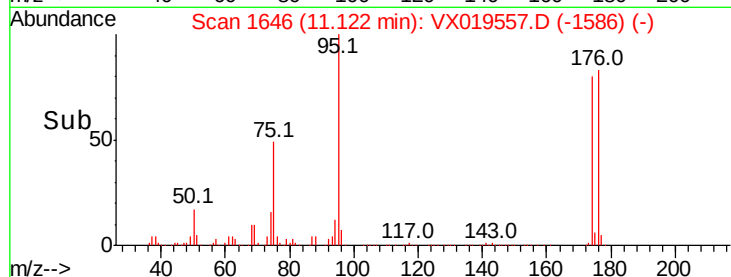
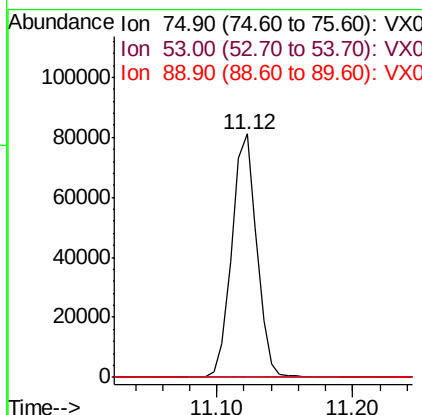
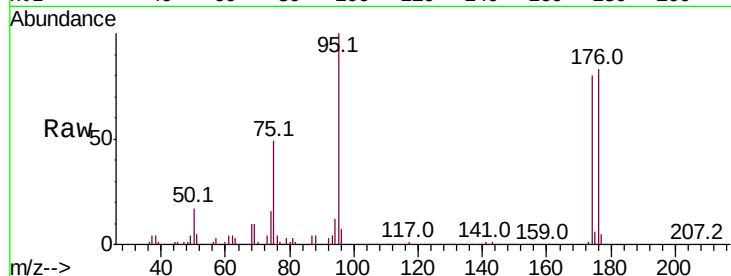




#81
trans-1,4-Dichloro-2-butene
Concen: 64.510 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019557.D
Acq: 23 Nov 2020 17:49

Instrument :
MSVOA_X
ClientSampleId :
B1-GW

Tot Ion: 75 Resp: 103233
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.3 55.9#



#95
Naphthalene
Concen: 2.196 ug/l
RT: 13.81 min Scan# 2087
Delta R.T. -0.01 min
Lab File: VX019557.D
Acq: 23 Nov 2020 17:49

Tgt Ion: 128 Resp: 270
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#

