

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112320\
 Data File : VX019560.D
 Acq On : 23 Nov 2020 18:59
 Operator : JC/MD
 Sample : L4839-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B4-GW

Quant Time: Nov 24 00:33:55 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	5.63	168	320692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	516212	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	438708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	173425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	189209	45.50	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.00%
35) Dibromofluoromethane	5.46	113	151482	46.75	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.50%
50) Toluene-d8	8.70	98	600904	47.72	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.44%
62) 4-Bromofluorobenzene	11.12	95	195946	43.25	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.50%

Target Compounds

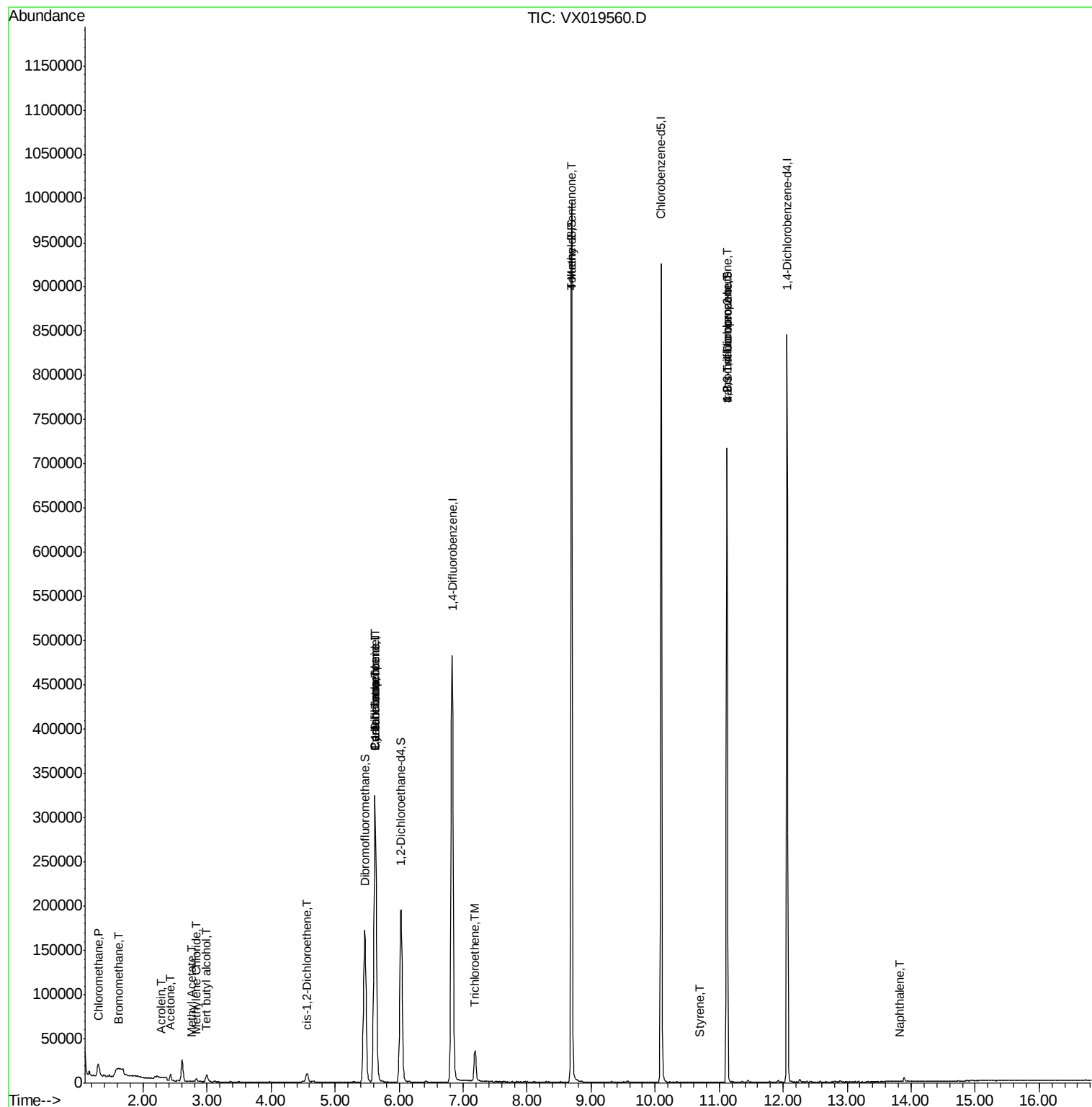
					Qvalue
3) Chloromethane	1.31	50	1653	0.462 ug/l #	84
5) Bromomethane	1.62	94	688	0.472 ug/l	84
6) Chloroethane	1.70	64	615	Below Cal #	62
11) Tert butyl alcohol	3.00	59	5141	6.533 ug/l #	75
13) Acrolein	2.28	56	287	0.543 ug/l #	15
16) Acetone	2.43	43	7471	4.646 ug/l	98
18) Methyl Acetate	2.76	43	371	0.727 ug/l #	47
20) Methylene Chloride	2.83	84	1631	0.406 ug/l	86
27) cis-1,2-Dichloroethene	4.56	96	6012	1.451 ug/l	74
31) Cyclohexane	5.62	56	6066	1.122 ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23763	4.910 ug/l #	49
38) Carbon Tetrachloride	5.62	117	30978	6.613 ug/l #	17
44) Trichloroethene	7.18	130	13049	3.350 ug/l	96
51) 4-Methyl-2-Pentanone	8.70	43	2328	0.523 ug/l #	1
70) Styrene	10.71	104	69	1.652 ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	97525	25.768 ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	97525	67.938 ug/l #	12
95) Naphthalene	13.82	128	145	2.189 ug/l #	69

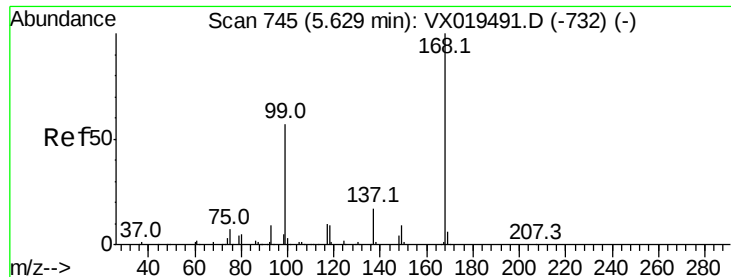
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112320\
Data File : VX019560.D
Acq On : 23 Nov 2020 18:59
Operator : JC/MD
Sample : L4839-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B4-GW

Quant Time: Nov 24 00:33:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
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: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019560.D

Acq: 23 Nov 2020 18:59

Instrument :

MSVOA_X

ClientSampled :

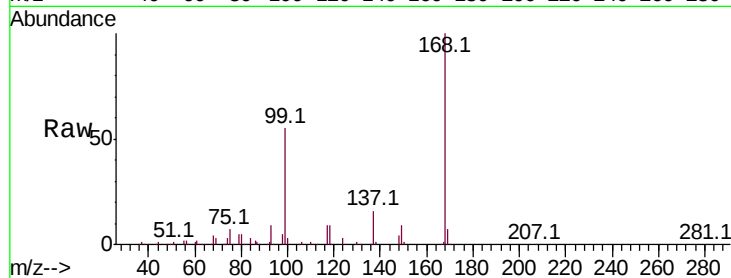
B4-GW

Tot Ion:168 Resp: 320692

Ion Ratio Lower Upper

168 100

99 54.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

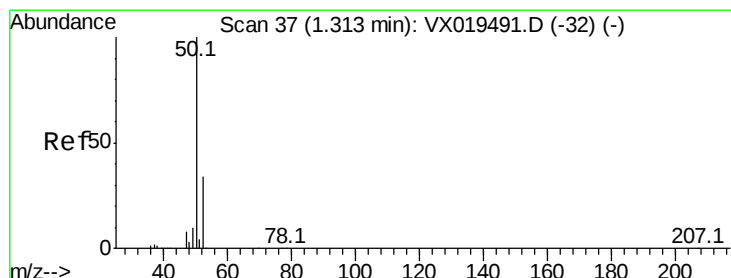
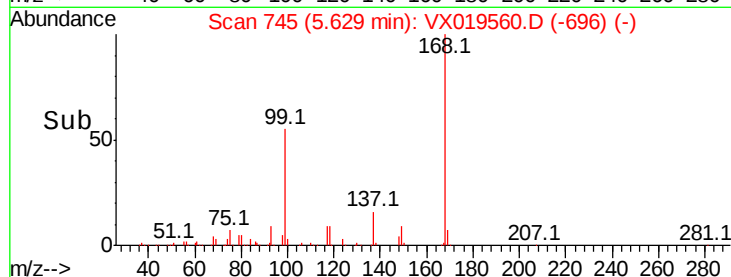
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.462 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019560.D

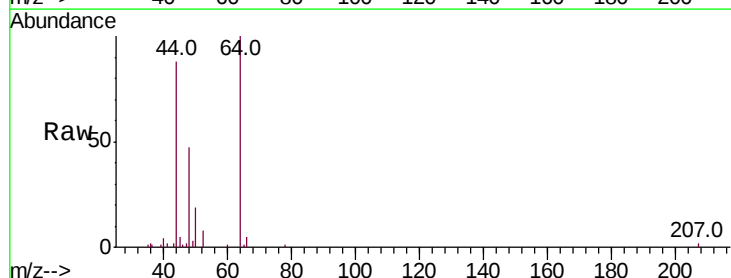
Acq: 23 Nov 2020 18:59

Tgt Ion: 50 Resp: 1653

Ion Ratio Lower Upper

50 100

52 42.9 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1200

1000

800

600

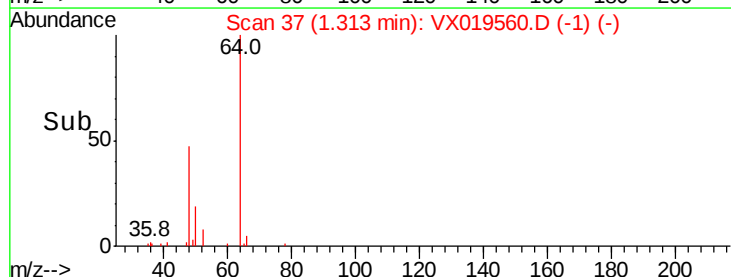
400

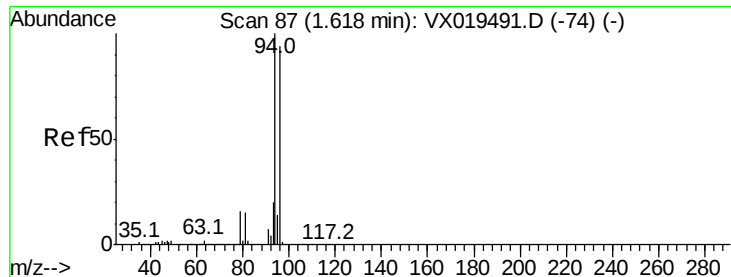
200

0

1.25 1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.472 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019560.D

Acq: 23 Nov 2020 18:59

Instrument :

MSVOA_X

ClientSampled :

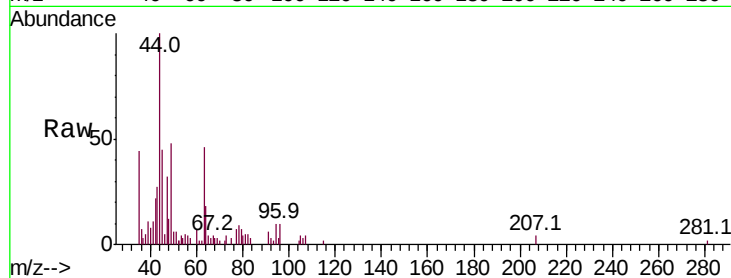
B4-GW

Tot Ion: 94 Resp: 688

Ion Ratio Lower Upper

94 100

96 79.4 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

Time-->

1.55 1.60 1.65

1.62

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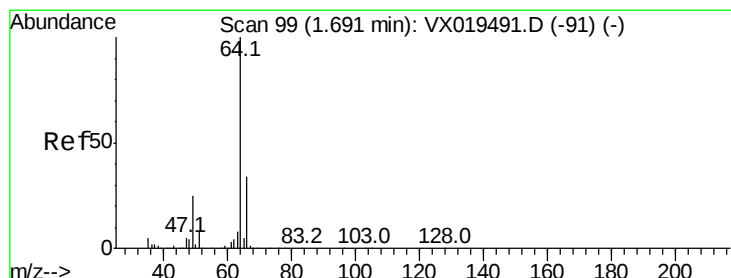
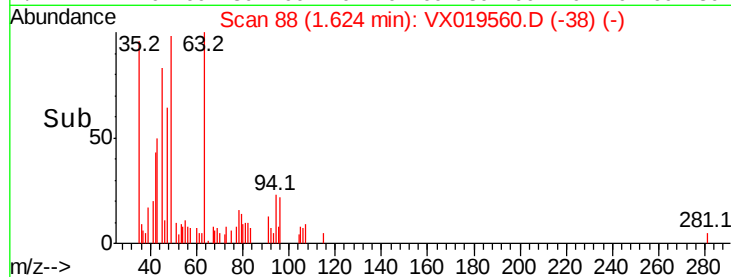
1.62

1.62

1.62

1.62

1.62



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 100

Delta R.T. 0.01 min

Lab File: VX019560.D

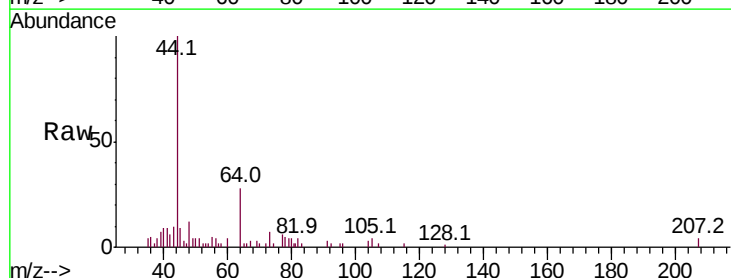
Acq: 23 Nov 2020 18:59

Tgt Ion: 64 Resp: 615

Ion Ratio Lower Upper

64 100

66 12.3 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

Time-->

1.64 1.66 1.68 1.70 1.72

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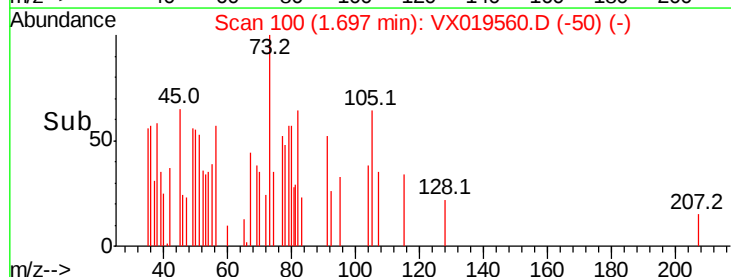
1.70

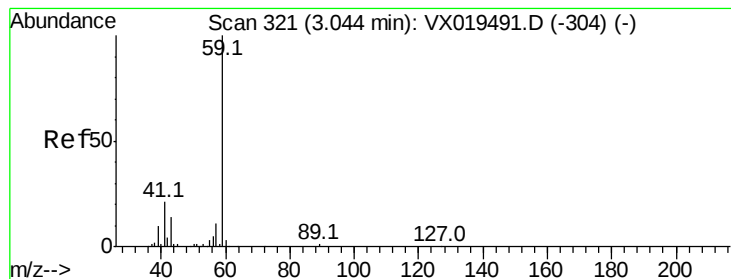
1.70

1.70

1.70

1.70



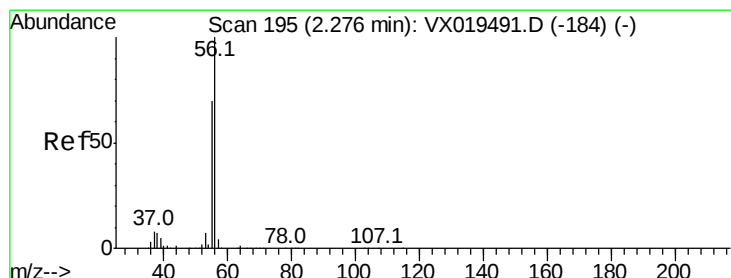
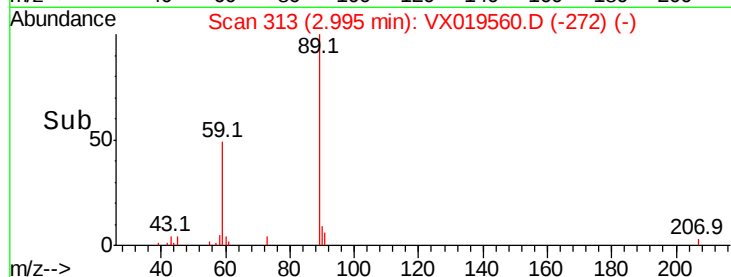
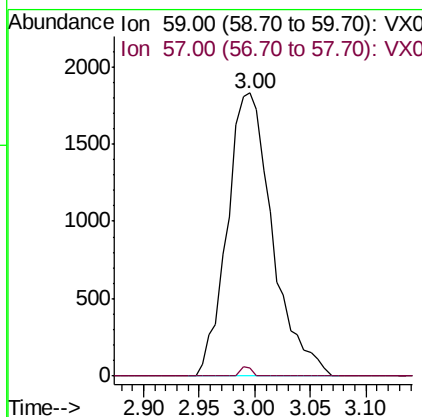
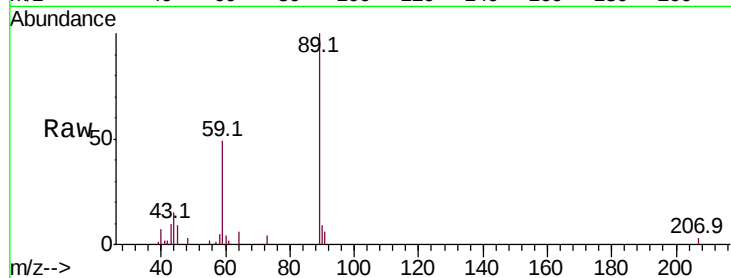


#11

Tert butyl alcohol
 Concen: 6.533 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.05 min
 Lab File: VX019560.D
 Acq: 23 Nov 2020 18:59

Instrument :
 MSVOA_X
 ClientSampled :
 B4-GW

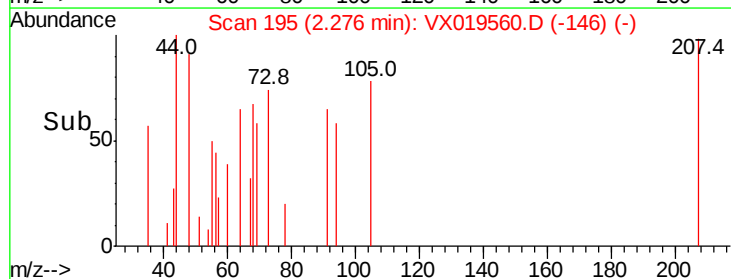
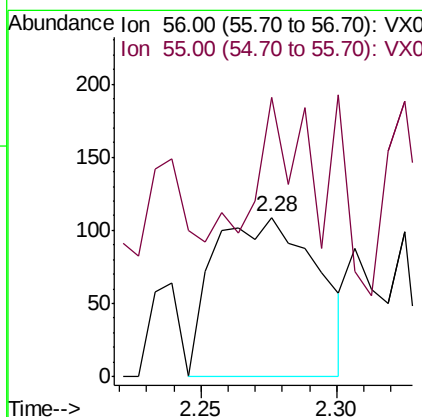
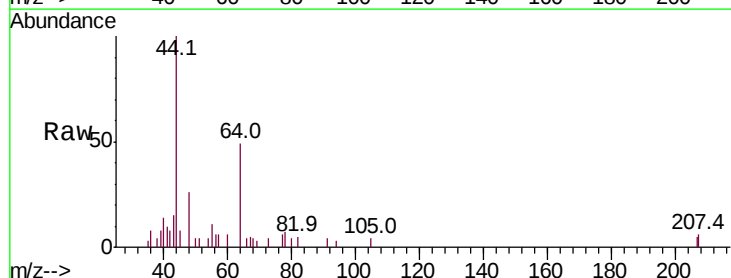
Tot Ion: 59 Resp: 5141
 Ion Ratio Lower Upper
 59 100
 57 0.8 7.9 11.9#

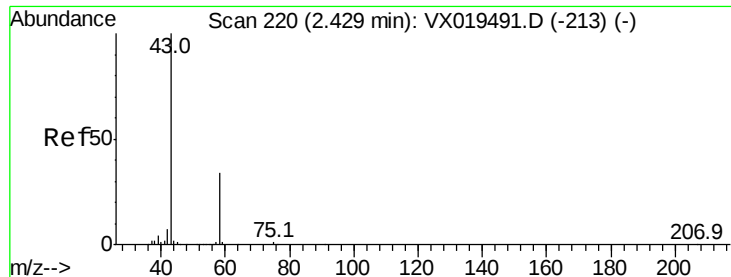


#13

Acrolein
 Concen: 0.543 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. -0.00 min
 Lab File: VX019560.D
 Acq: 23 Nov 2020 18:59

Tgt Ion: 56 Resp: 287
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.5 83.3#





#16

Acetone

Concen: 4.646 ug/l

RT: 2.43 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX019560.D

Acq: 23 Nov 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

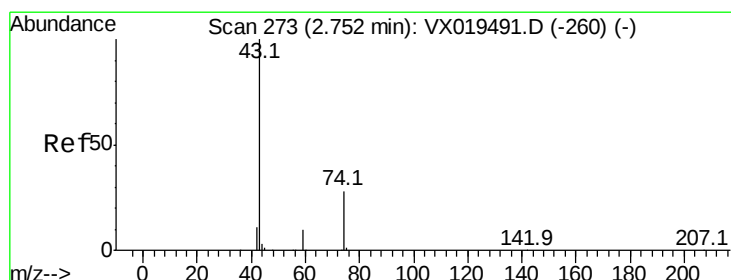
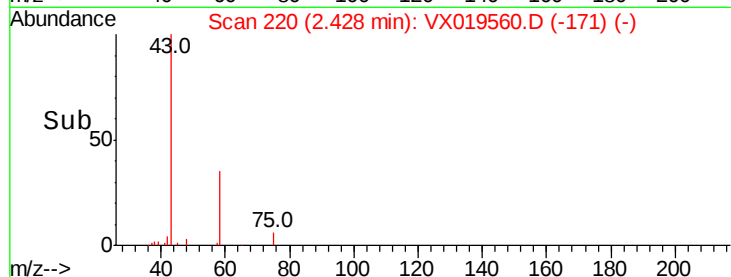
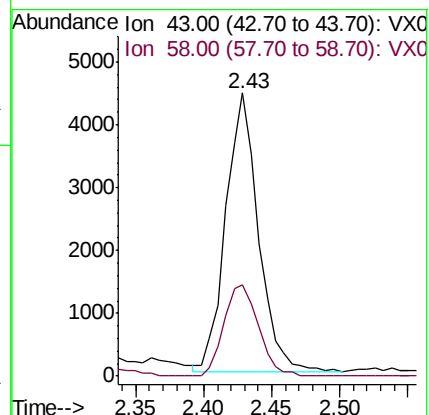
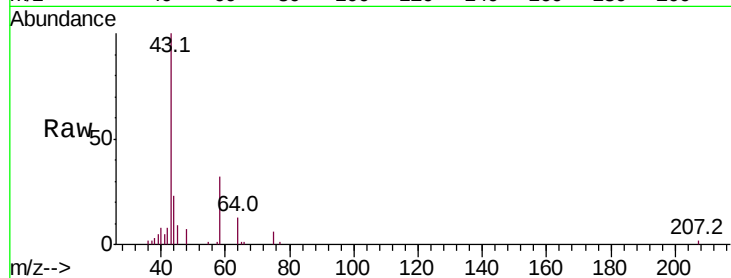
B4-GW

Tot Ion: 43 Resp: 7471

Ion Ratio Lower Upper

43 100

58 32.9 27.4 41.2



#18

Methyl Acetate

Concen: 0.727 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX019560.D

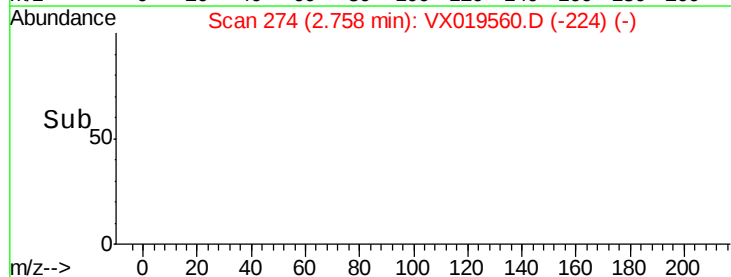
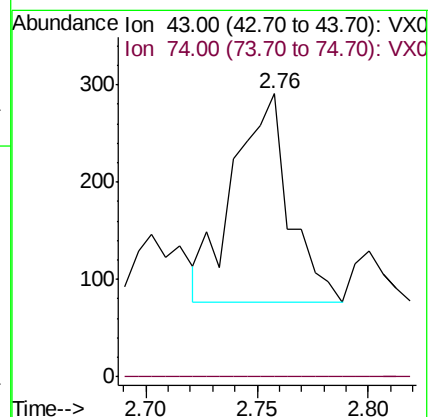
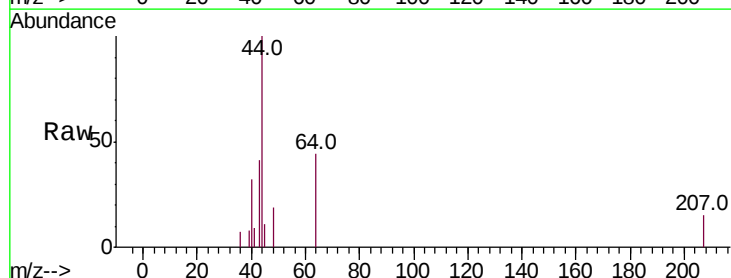
Acq: 23 Nov 2020 18:59

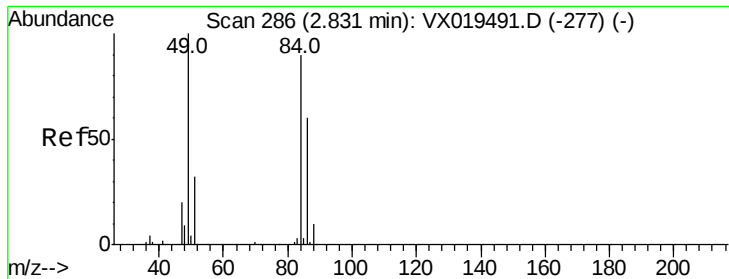
Tgt Ion: 43 Resp: 371

Ion Ratio Lower Upper

43 100

74 0.0 22.2 33.4#





#20

Methvlene Chloride

Concen: 0.406 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.00 min

Lab File: VX019560.D

Acq: 23 Nov 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

B4-GW

Tot Ion: 84 Resp: 1631

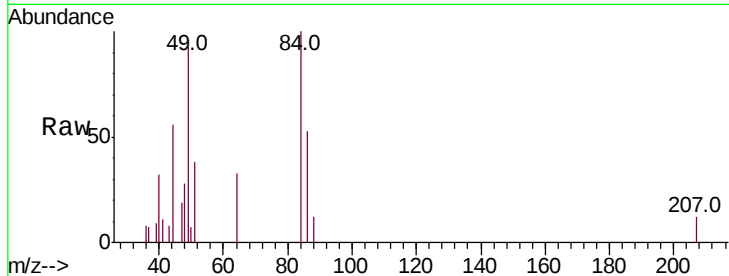
Ion Ratio Lower Upper

84 100

49 93.3 88.5 132.7

51 37.5 28.0 42.0

86 53.5 53.0 79.4

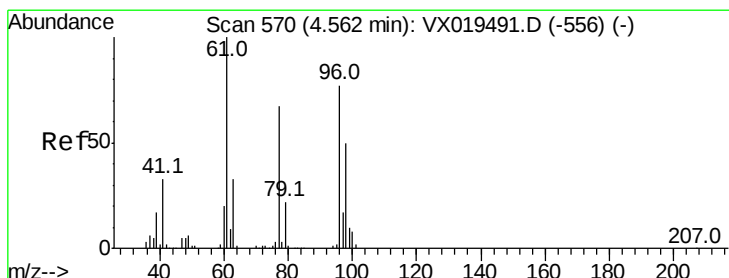
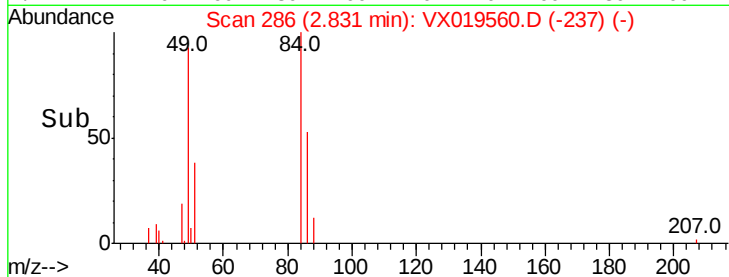
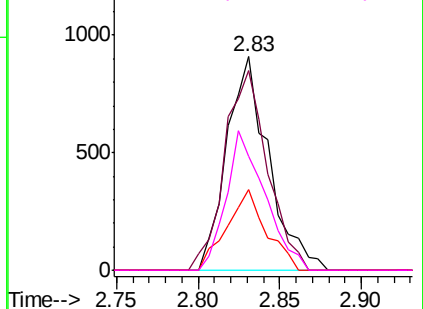


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.451 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX019560.D

Acq: 23 Nov 2020 18:59

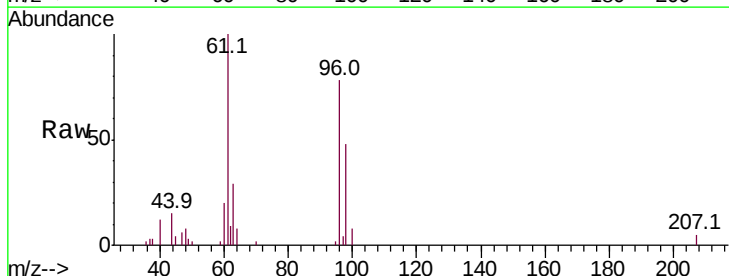
Tgt Ion: 96 Resp: 6012

Ion Ratio Lower Upper

96 100

61 185.4 0.0 279.2

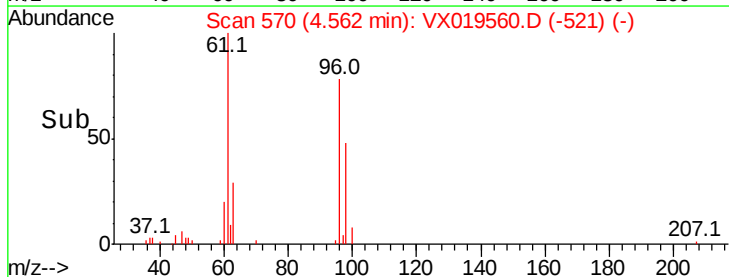
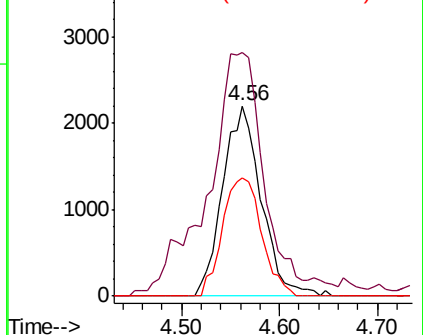
98 63.0 0.0 129.8

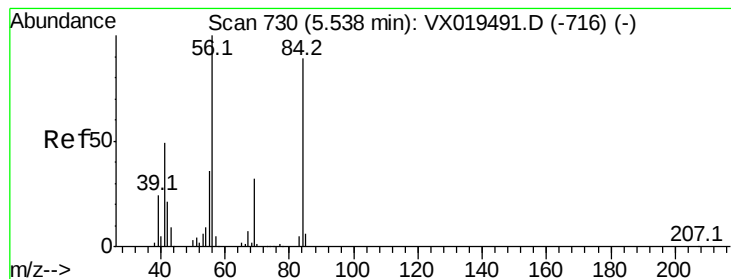


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 1.122 ug/l

RT: 5.62 min Scan# 743

Delta R.T. 0.08 min

Lab File: VX019560.D

Acq: 23 Nov 2020 18:59

Instrument :

MSVOA_X

ClientSampled :

B4-GW

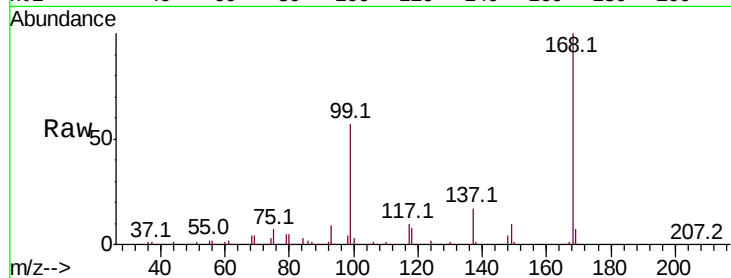
Tot Ion: 56 Resp: 6066

Ion Ratio Lower Upper

56 100

69 159.4 25.5 38.3#

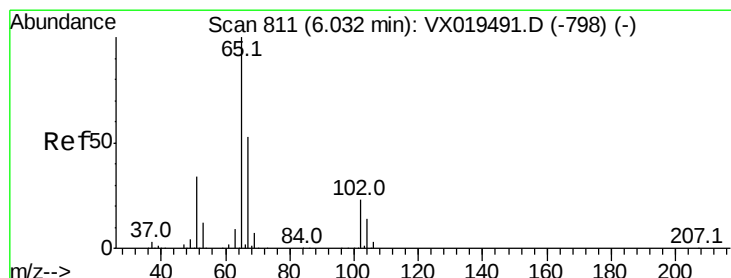
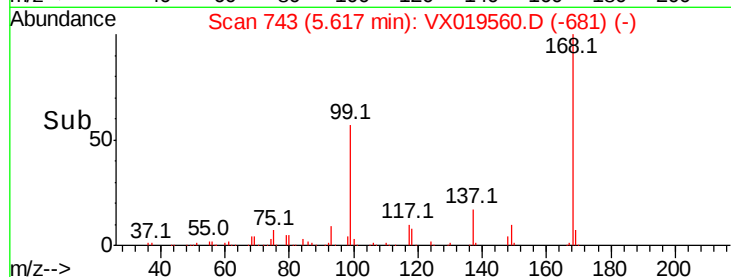
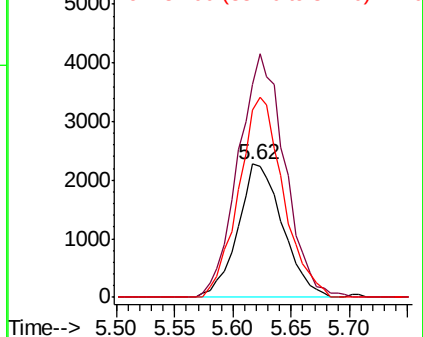
84 140.3 71.1 106.7#



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: 45.504 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019560.D

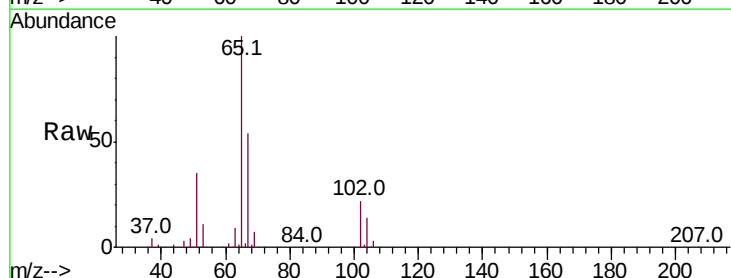
Acq: 23 Nov 2020 18:59

Tgt Ion: 65 Resp: 189209

Ion Ratio Lower Upper

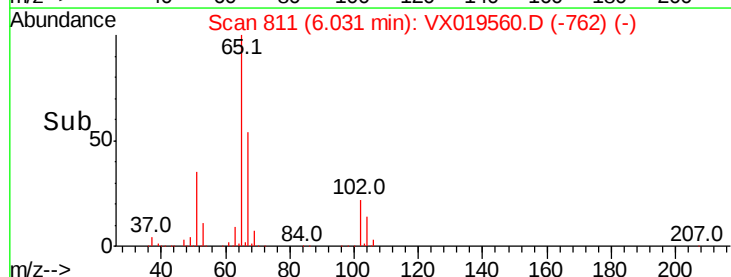
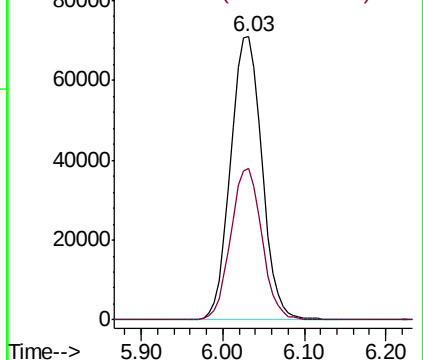
65 100

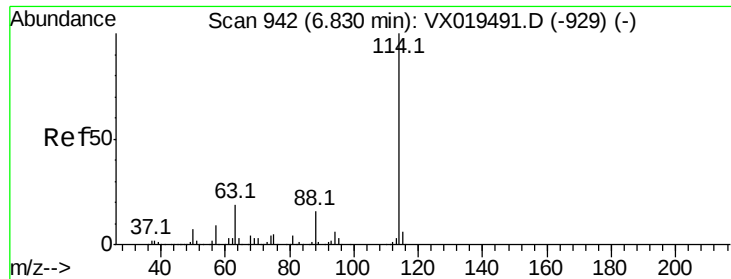
67 53.1 0.0 105.0



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: VX019560.D

Acq: 23 Nov 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

B4-GW

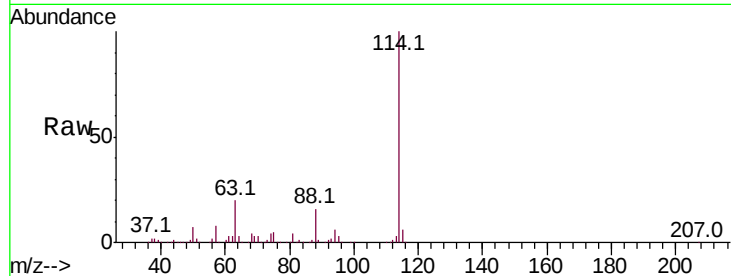
Tot Ion:114 Resp: 516212

Ion Ratio Lower Upper

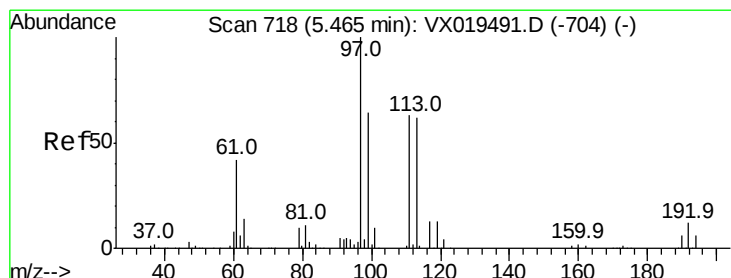
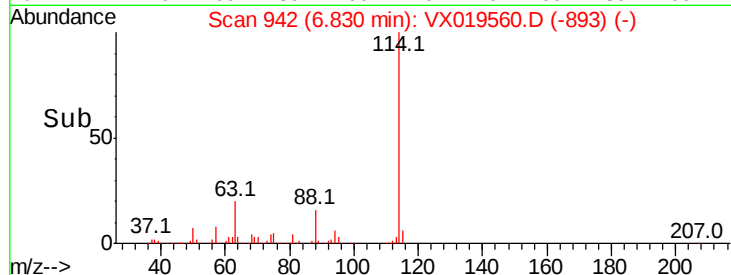
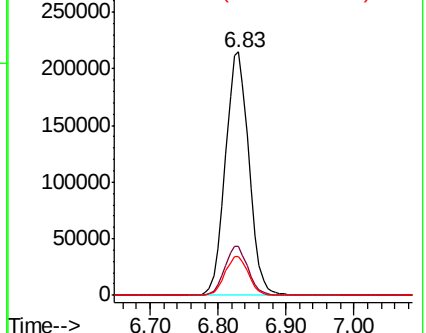
114 100

63 20.0 0.0 38.8

88 16.0 0.0 31.6



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: 46.750 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019560.D

Acq: 23 Nov 2020 18:59

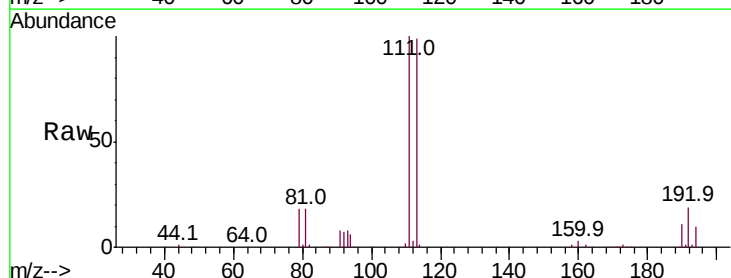
Tgt Ion:113 Resp: 151482

Ion Ratio Lower Upper

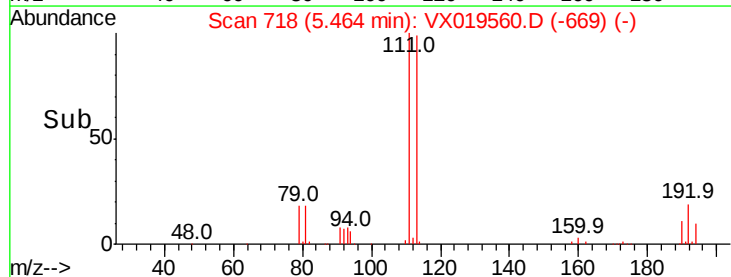
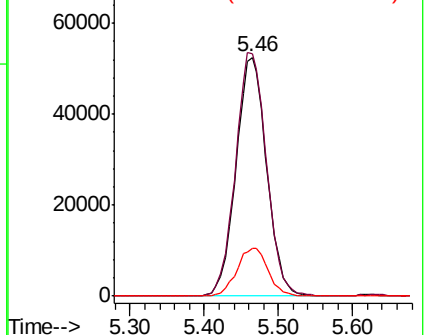
113 100

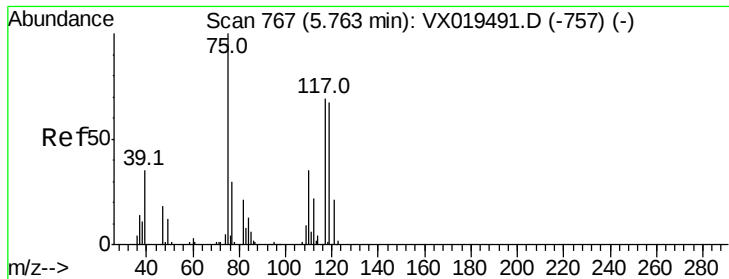
111 103.0 81.5 122.3

192 20.4 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

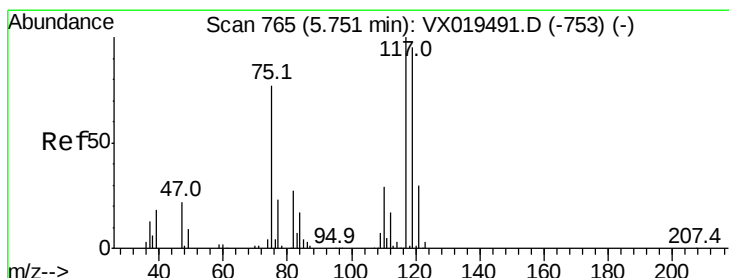
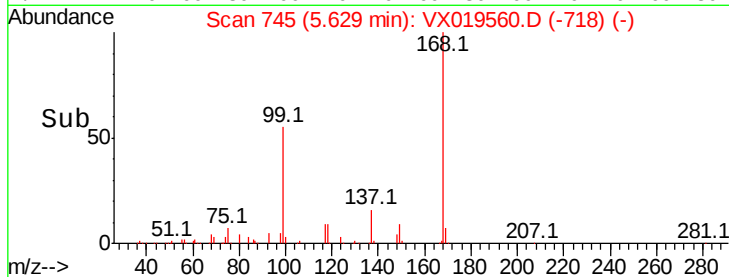
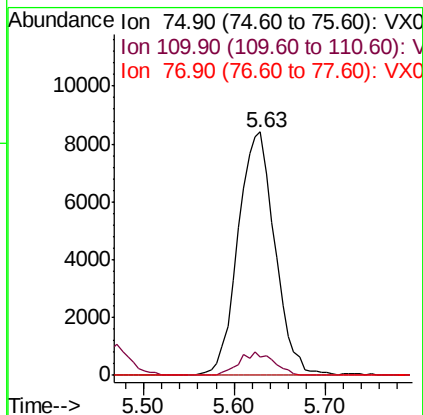
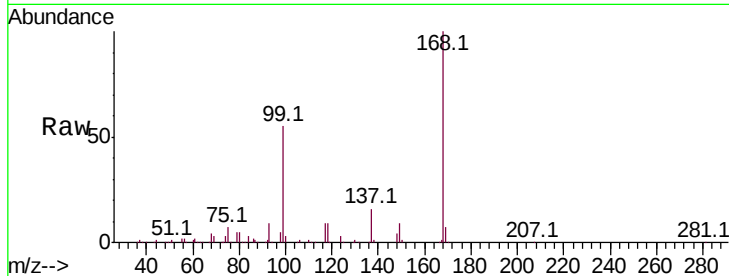




#36
 1,1-Dichloropropene
 Concen: 4.910 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019560.D
 Acq: 23 Nov 2020 18:59

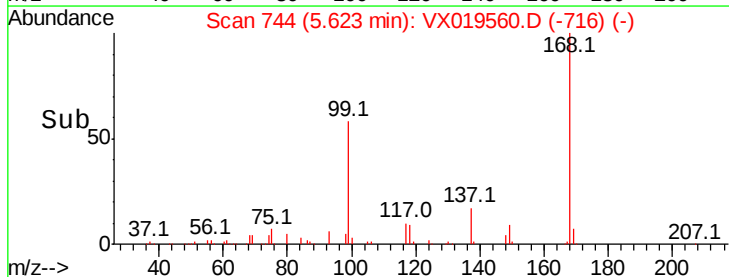
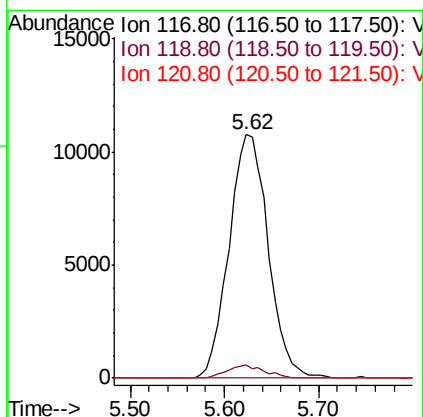
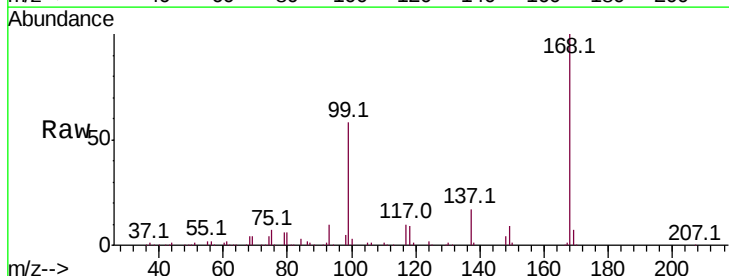
Instrument :
 MSVOA_X
 ClientSampled :
 B4-GW

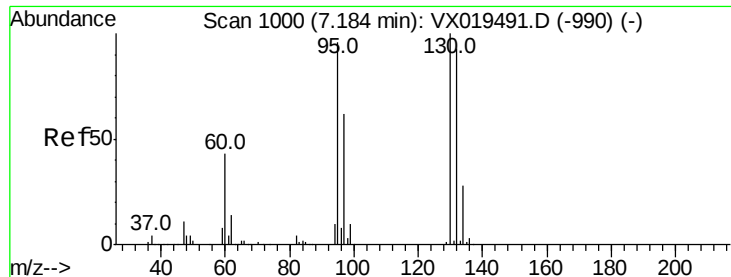
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.3#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.613 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX019560.D
 Acq: 23 Nov 2020 18:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.9	113.9#
121	0.0	24.0	36.0#





#44

Trichloroethene

Concen: 3.350 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019560.D

Acq: 23 Nov 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

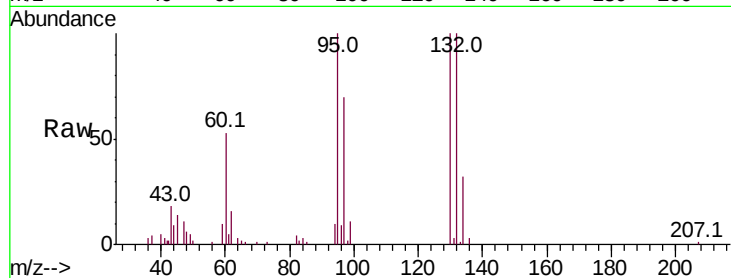
B4-GW

Tot Ion:130 Resp: 13049

Ion Ratio Lower Upper

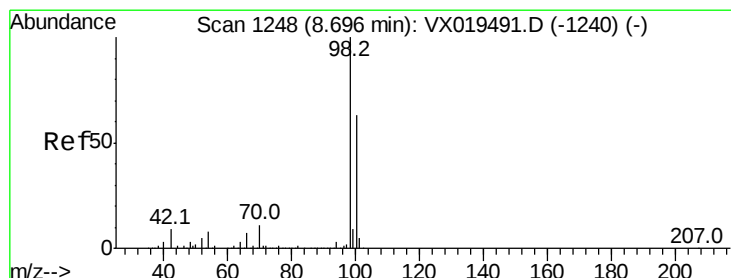
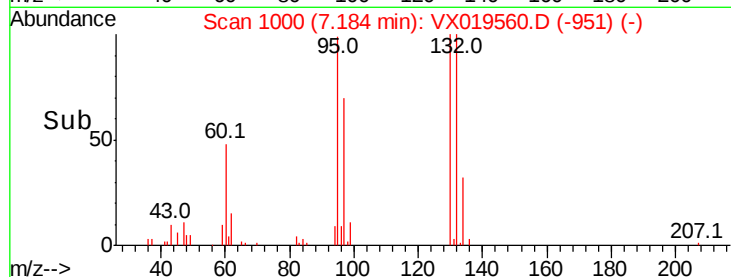
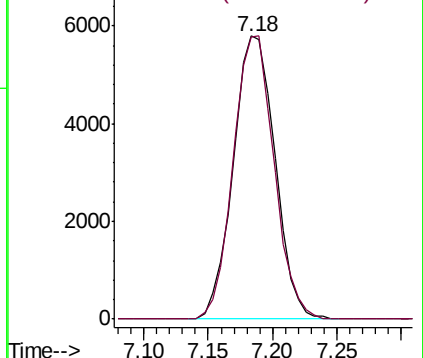
130 100

95 99.8 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: 47.724 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019560.D

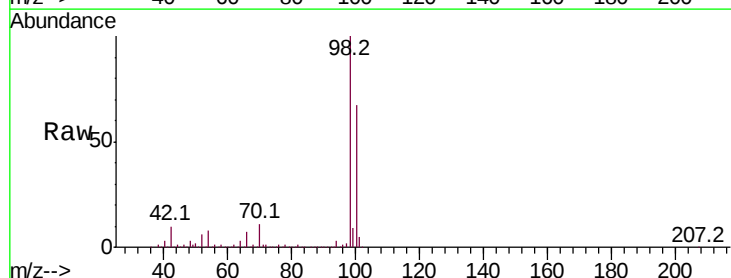
Acq: 23 Nov 2020 18:59

Tgt Ion: 98 Resp: 600904

Ion Ratio Lower Upper

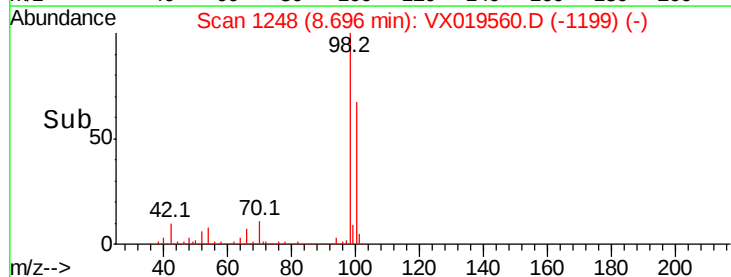
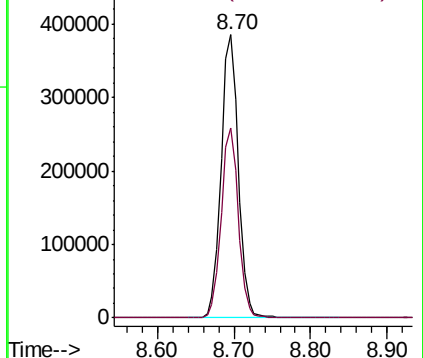
98 100

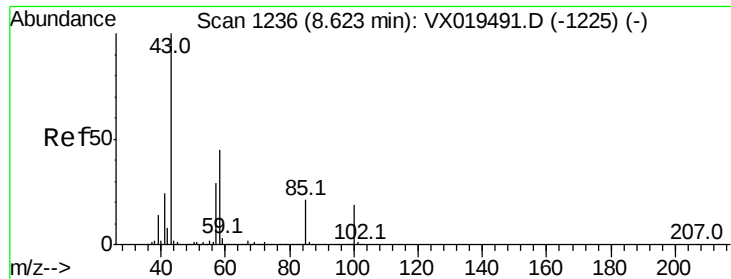
100 66.7 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.523 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.07 min

Lab File: VX019560.D

Acq: 23 Nov 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

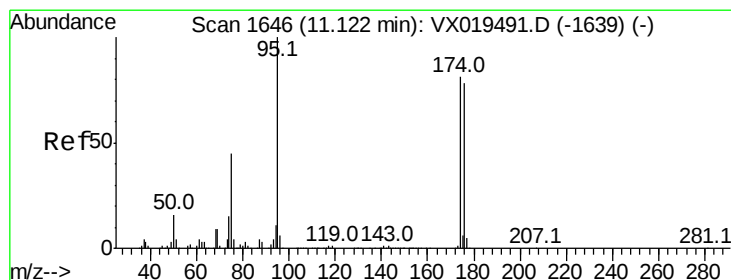
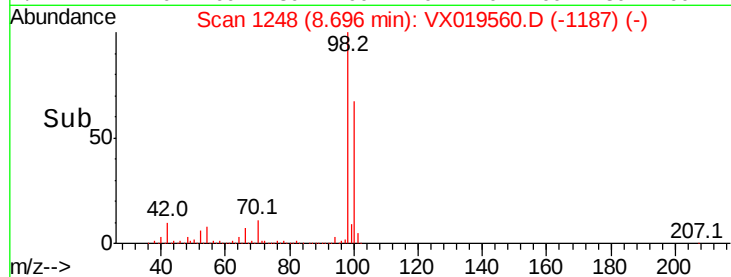
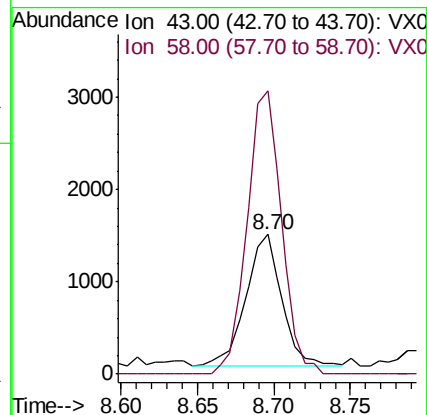
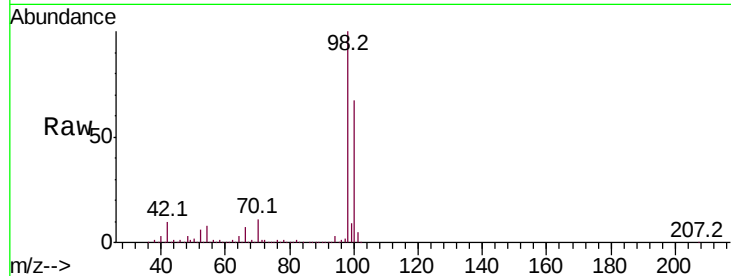
B4-GW

Tot Ion: 43 Resp: 2328

Ion Ratio Lower Upper

43 100

58 205.7 35.1 52.7#



#62

4-Bromofluorobenzene

Concen: 43.253 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019560.D

Acq: 23 Nov 2020 18:59

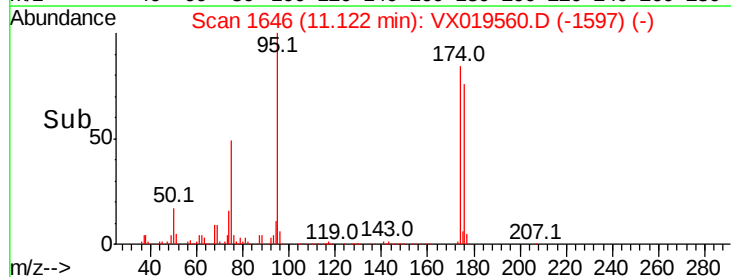
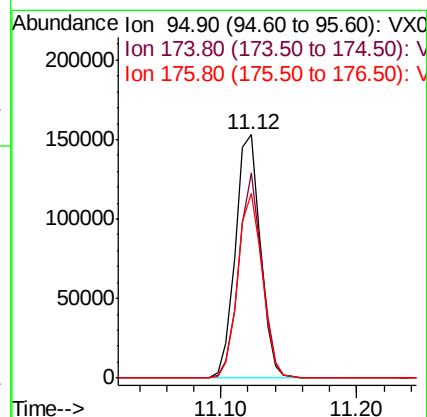
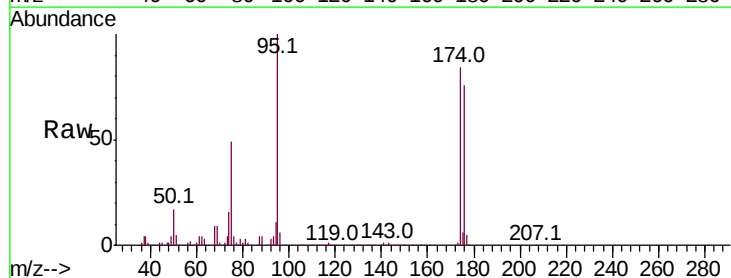
Tgt Ion: 95 Resp: 195946

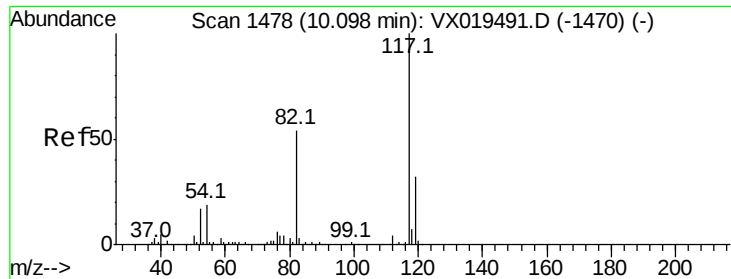
Ion Ratio Lower Upper

95 100

174 78.6 0.0 156.2

176 74.5 0.0 151.4

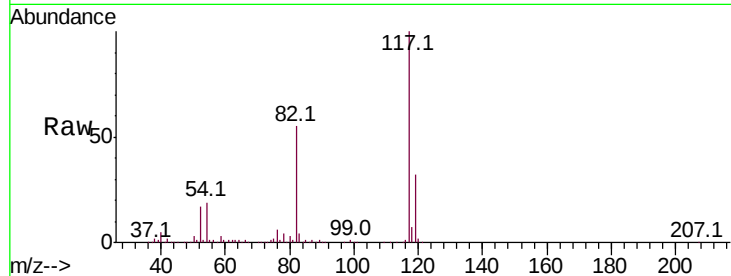




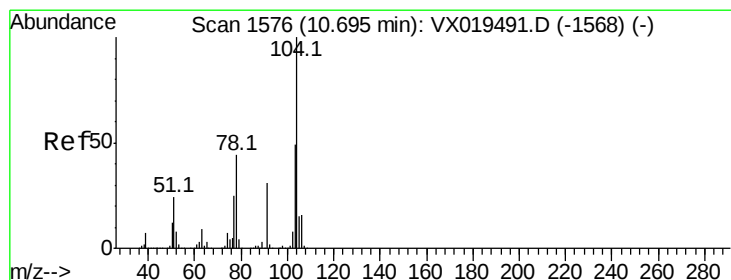
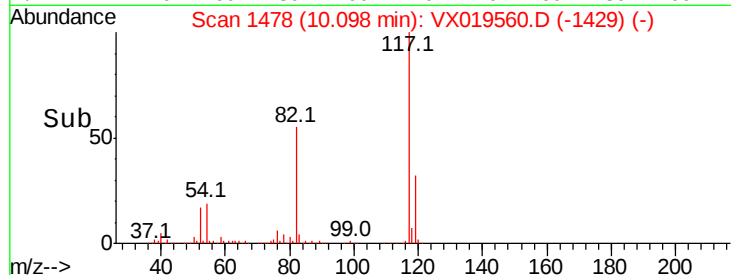
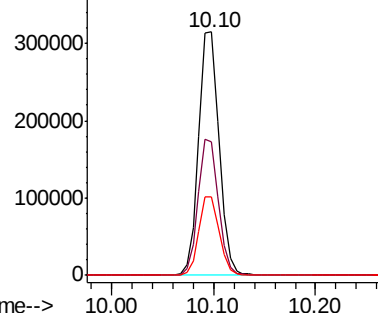
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019560.D
Acq: 23 Nov 2020 18:59

Instrument :
MSVOA_X
ClientSampled :
B4-GW

Tot Ion:117 Resp: 438708
Ion Ratio Lower Upper
117 100
82 55.0 43.0 64.4
119 32.2 25.6 38.4

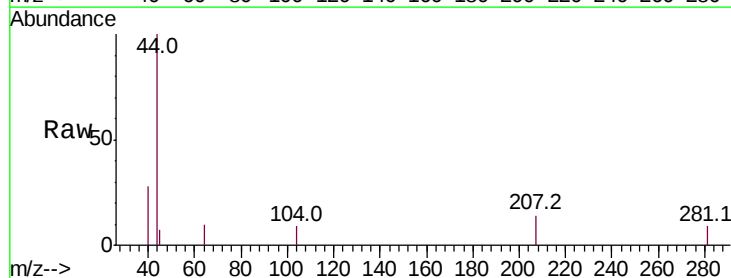


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

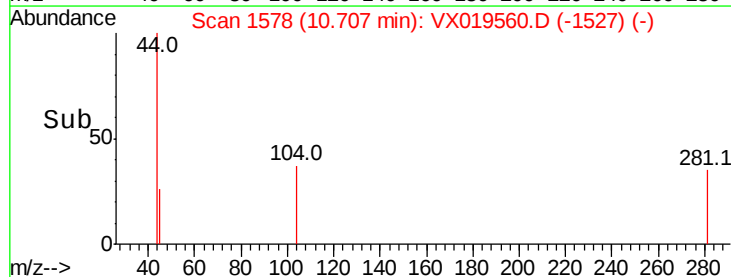
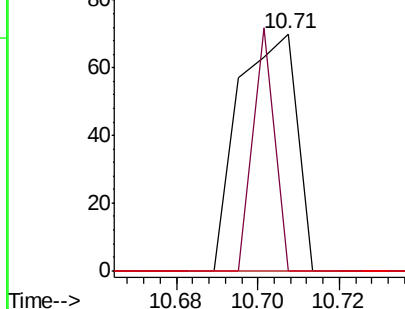


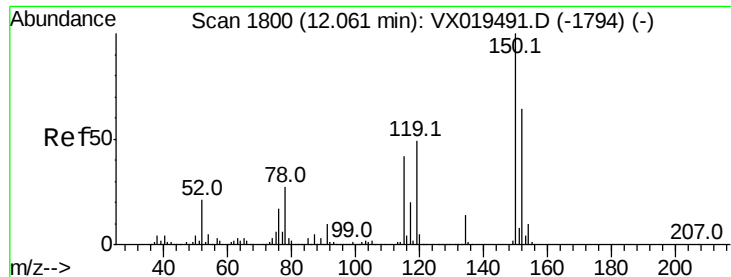
#70
Styrene
Concen: 1.652 ug/l
RT: 10.71 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VX019560.D
Acq: 23 Nov 2020 18:59

Tgt Ion:104 Resp: 69
Ion Ratio Lower Upper
104 100
78 37.7 39.5 59.3#
103 0.0 43.6 65.4#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): 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: VX019560.D

Acq: 23 Nov 2020 18:59

Instrument :

MSVOA_X

ClientSampled :

B4-GW

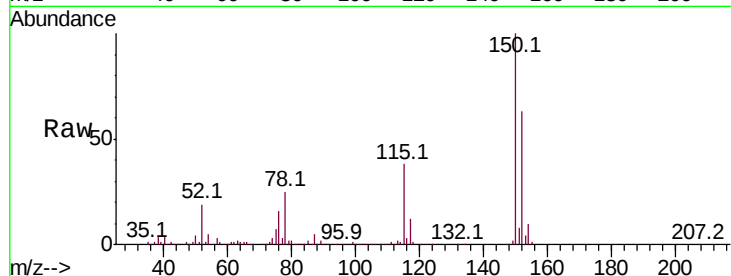
Tot Ion:152 Resp: 173425

Ion Ratio Lower Upper

152 100

115 59.1 41.8 125.4

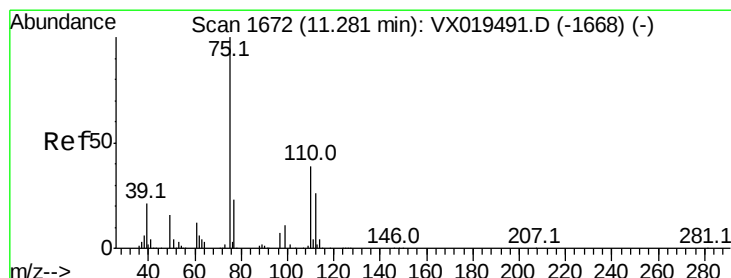
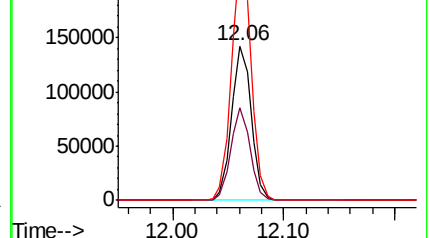
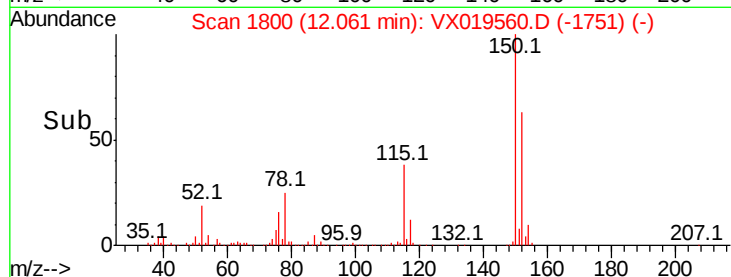
150 156.6 0.0 348.2



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: 25.768 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019560.D

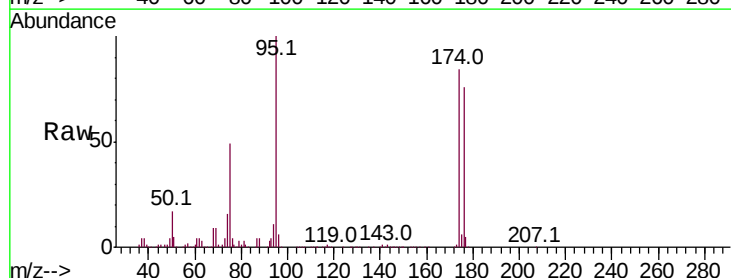
Acq: 23 Nov 2020 18:59

Tgt Ion: 75 Resp: 97525

Ion Ratio Lower Upper

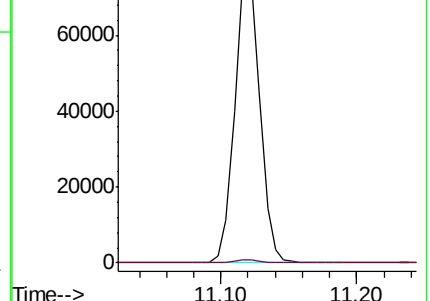
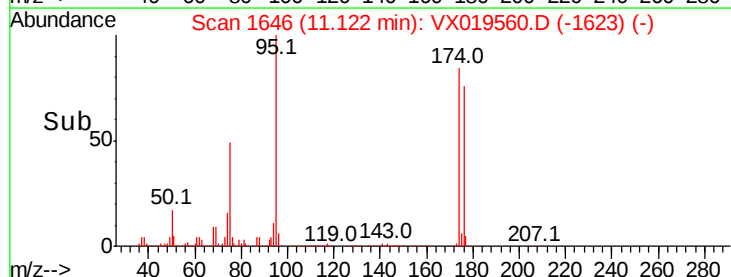
75 100

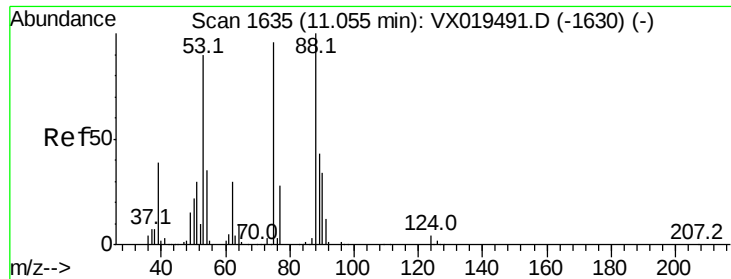
77 1.1 20.0 60.0#



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: 67.938 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019560.D

Acq: 23 Nov 2020 18:59

Instrument :

MSVOA_X

ClientSampleId :

B4-GW

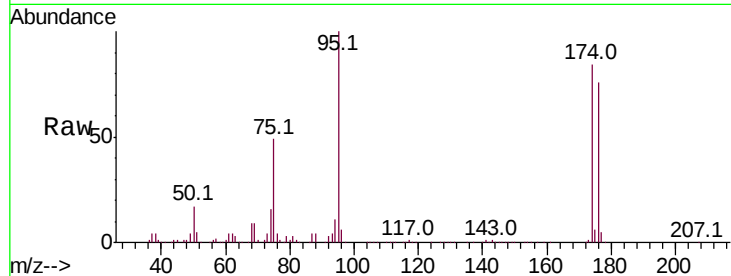
Tot Ion: 75 Resp: 97525

Ion Ratio Lower Upper

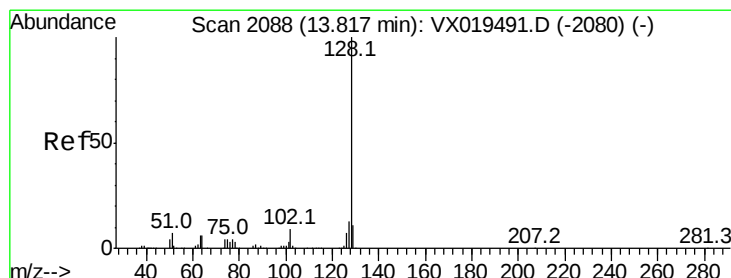
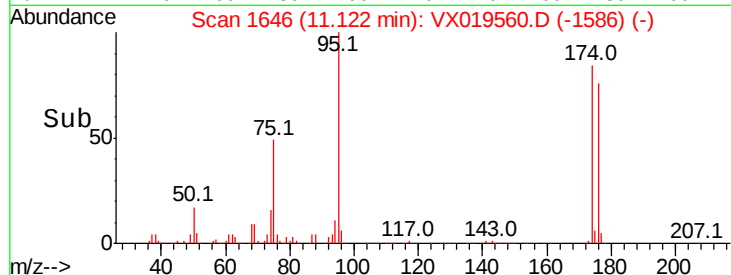
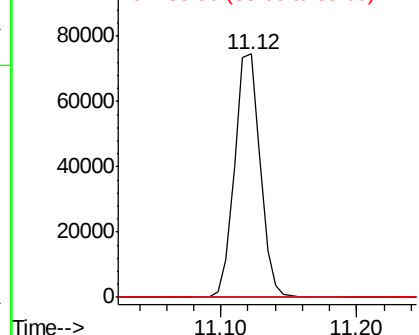
75 100

53 0.0 73.9 110.9#

89 0.0 37.3 55.9#



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



#95

Naphthalene

Concen: 2.189 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019560.D

Acq: 23 Nov 2020 18:59

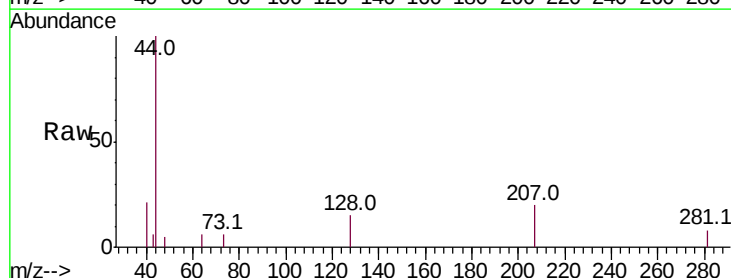
Tgt Ion: 128 Resp: 145

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

