

Data File : VX019605.D
Acq On : 24 Nov 2020 15:09
Operator : JC/MD
Sample : L4839-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B4-GW

Quant Time: Nov 25 04:02:33 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	308766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	509523	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	446026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	178708	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	192168	48.00	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.00%		
35) Dibromofluoromethane	5.46	113	152144	47.57	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.14%		
50) Toluene-d8	8.70	98	606420	48.79	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.58%		
62) 4-Bromofluorobenzene	11.12	95	200892	44.93	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.86%		

Target Compounds

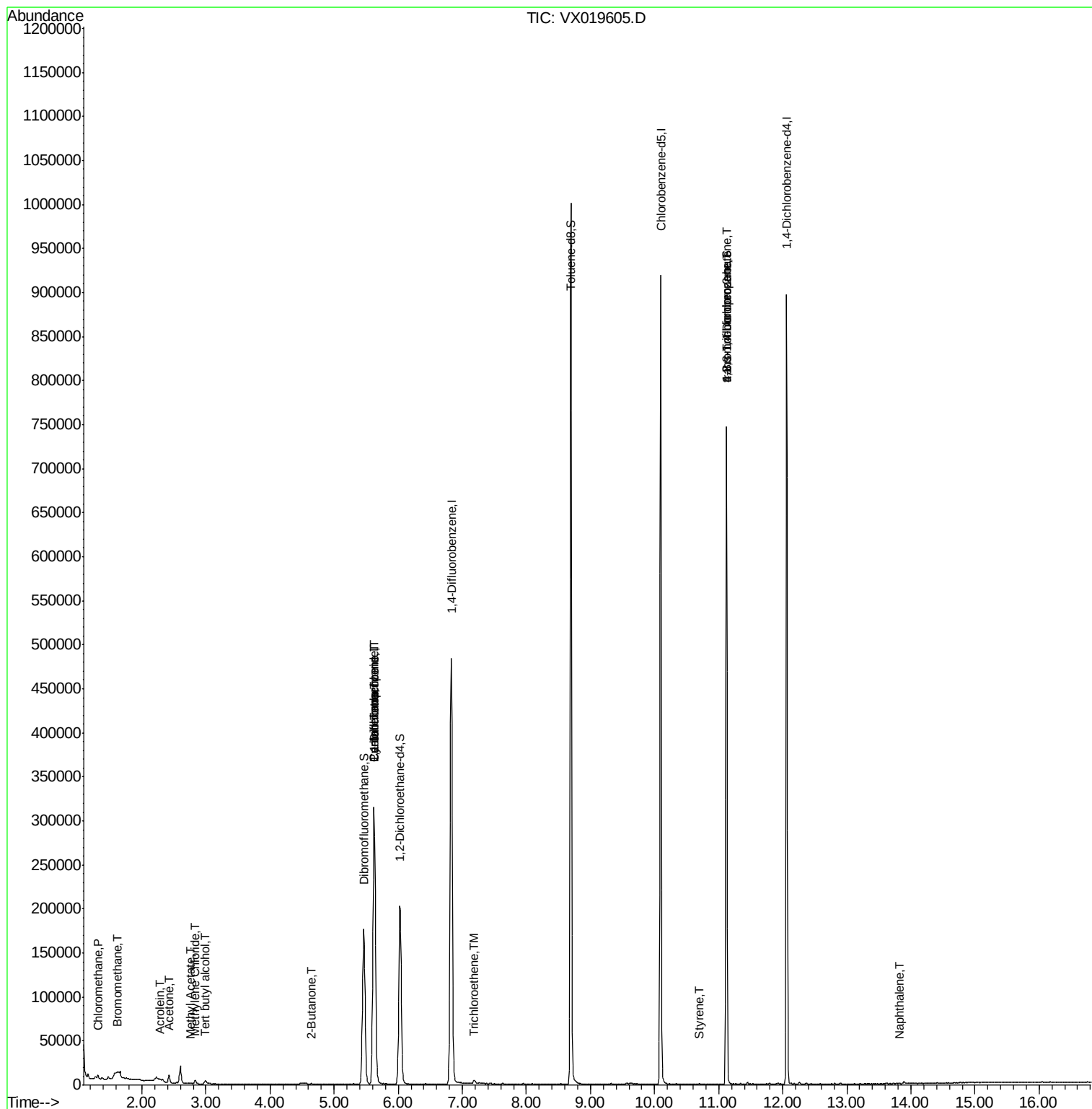
					Qvalue
3) Chloromethane	1.31	50	1924	0.558 ug/l	95
5) Bromomethane	1.62	94	628	0.447 ug/l #	48
6) Chloroethane	1.67	64	421	Below Cal #	41
11) Tert butyl alcohol	2.99	59	2437	3.217 ug/l #	75
13) Acrolein	2.27	56	275	0.540 ug/l #	71
16) Acetone	2.42	43	8881	5.736 ug/l	99
18) Methyl Acetate	2.75	43	537	0.774 ug/l #	76
20) Methylene Chloride	2.84	84	1972	0.510 ug/l #	86
25) 2-Butanone	4.65	43	1008	0.433 ug/l	97
31) Cyclohexane	5.62	56	6125	1.176 ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23248	4.867 ug/l #	50
38) Carbon Tetrachloride	5.63	117	30019	6.493 ug/l #	16
44) Trichloroethene	7.18	130	968	0.252 ug/l	76
70) Styrene	10.70	104	82	1.653 ug/l #	56
76) 1,2,3-Trichloropropane	11.12	75	99165	25.427 ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	99165	67.095 ug/l #	12
95) Naphthalene	13.82	128	274	2.198 ug/l #	69

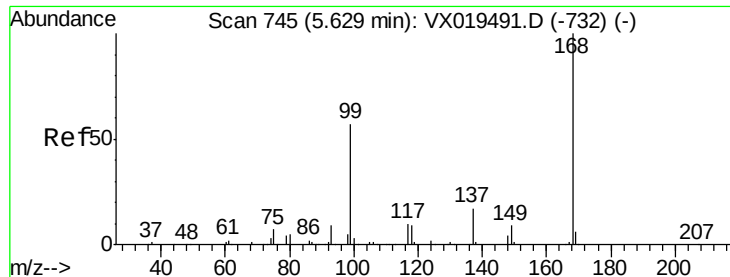
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019605.D

Acq: 24 Nov 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

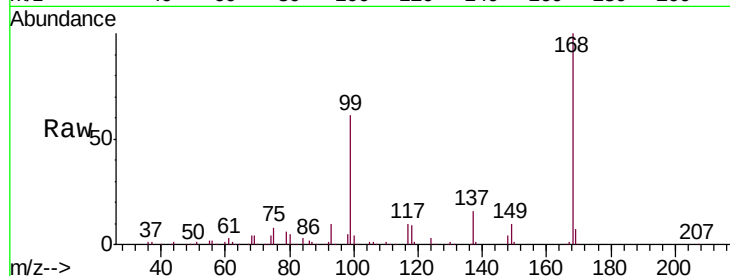
B4-GW

Tgt Ion:168 Resp: 308766

Ion Ratio Lower Upper

168 100

99 60.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

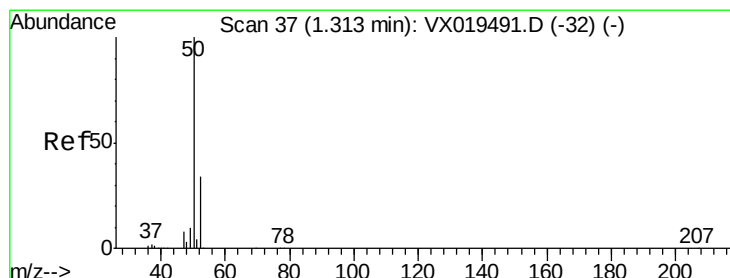
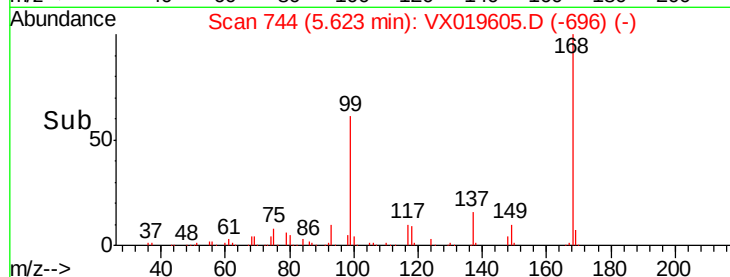
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.558 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019605.D

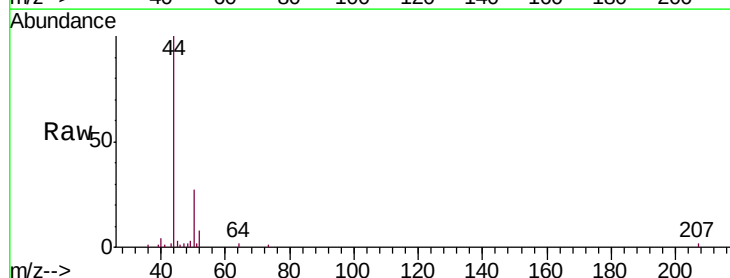
Acq: 24 Nov 2020 15:09

Tgt Ion: 50 Resp: 1924

Ion Ratio Lower Upper

50 100

52 31.2 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

2000

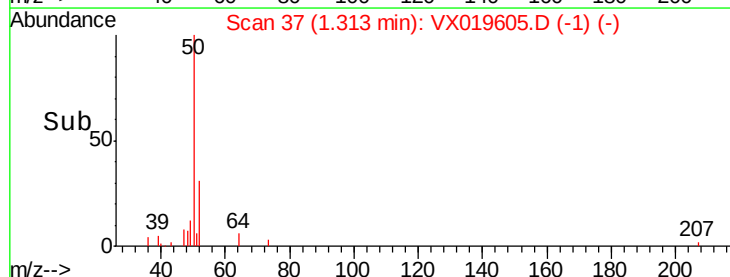
1500

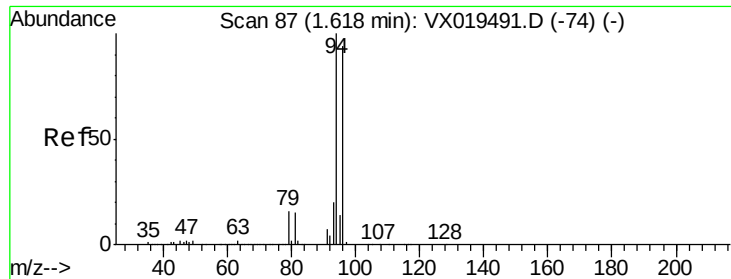
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.447 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019605.D

Acq: 24 Nov 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

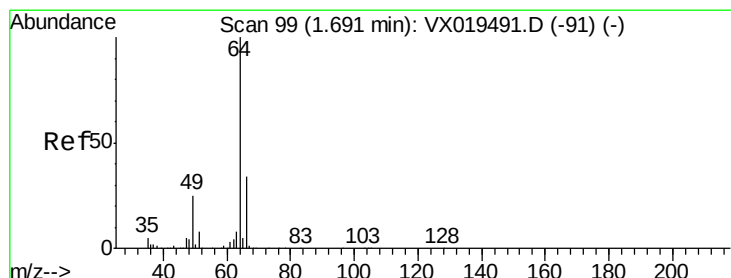
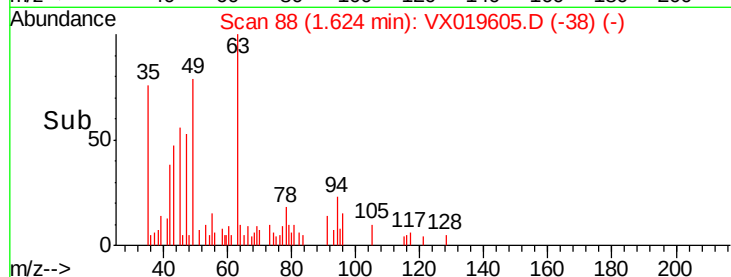
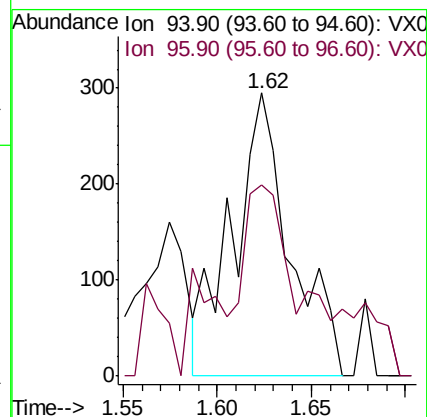
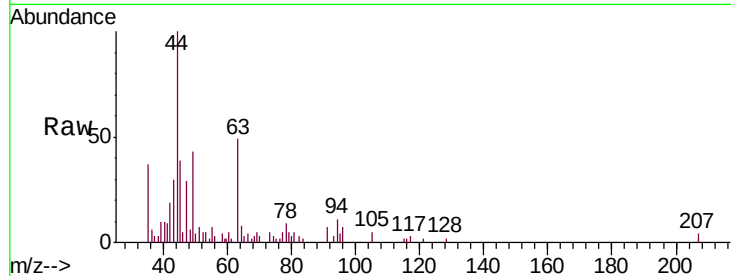
B4-GW

Tgt Ion: 94 Resp: 628

Ion Ratio Lower Upper

94 100

96 43.7 75.6 113.4#



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 96

Delta R.T. -0.02 min

Lab File: VX019605.D

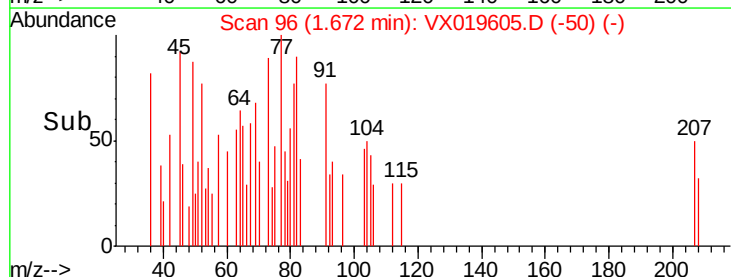
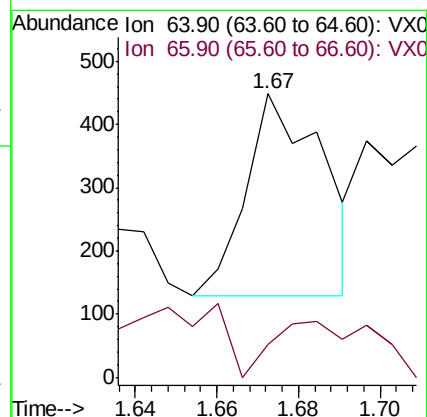
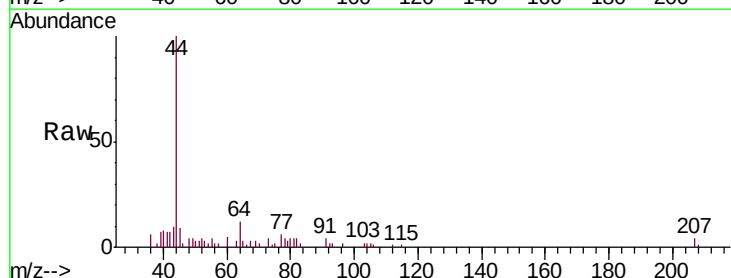
Acq: 24 Nov 2020 15:09

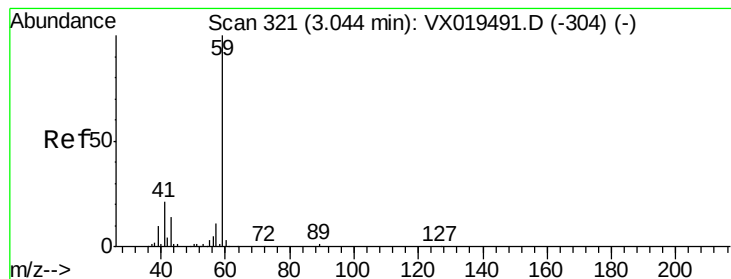
Tgt Ion: 64 Resp: 421

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#





#11

Tert butyl alcohol

Concen: 3.217 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.06 min

Lab File: VX019605.D

Acq: 24 Nov 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

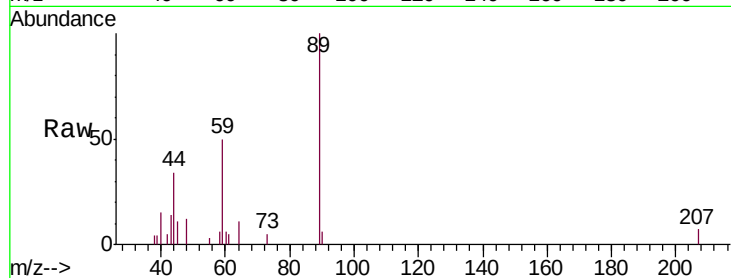
B4-GW

Tgt Ion: 59 Resp: 2437

Ion Ratio Lower Upper

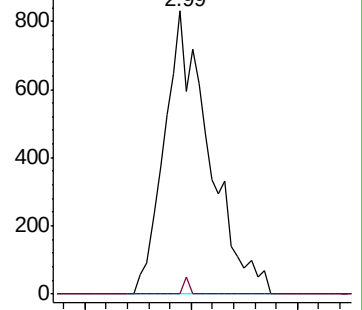
59 100

57 0.8 7.9 11.9#

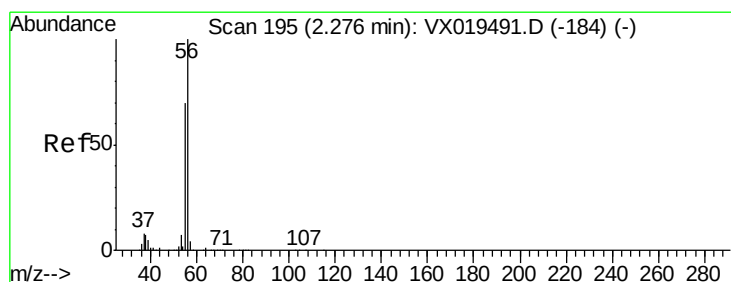
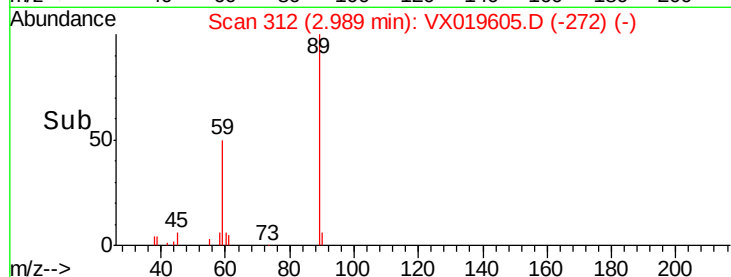


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->



#13

Acrolein

Concen: 0.540 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX019605.D

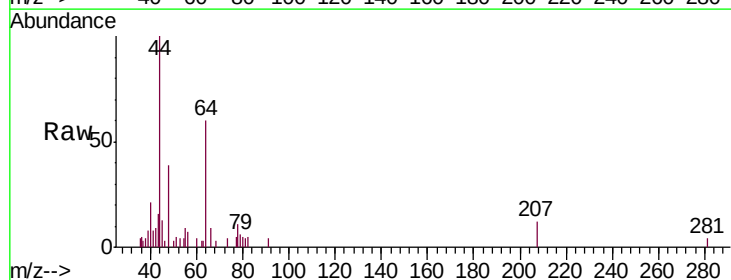
Acq: 24 Nov 2020 15:09

Tgt Ion: 56 Resp: 275

Ion Ratio Lower Upper

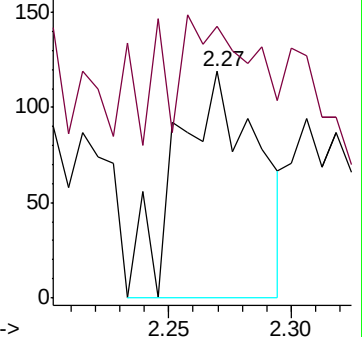
56 100

55 45.8 55.5 83.3#

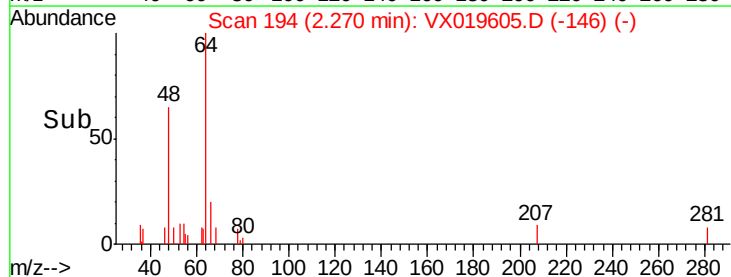


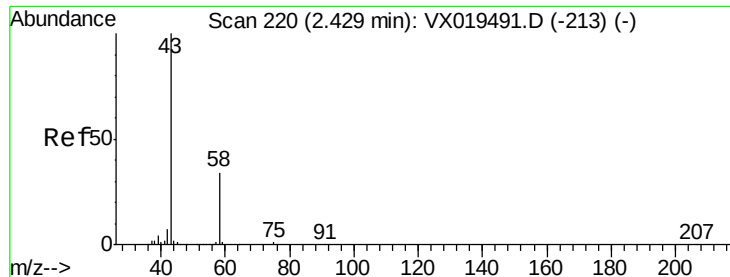
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->





#16

Acetone

Concen: 5.736 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019605.D

Acq: 24 Nov 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

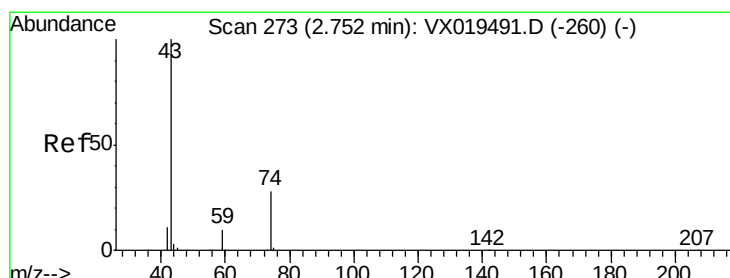
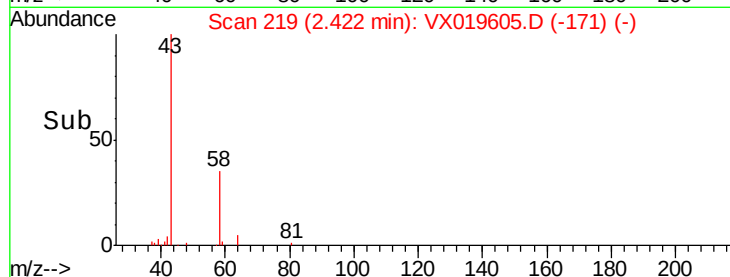
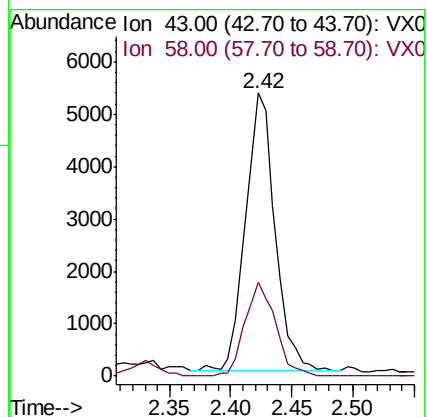
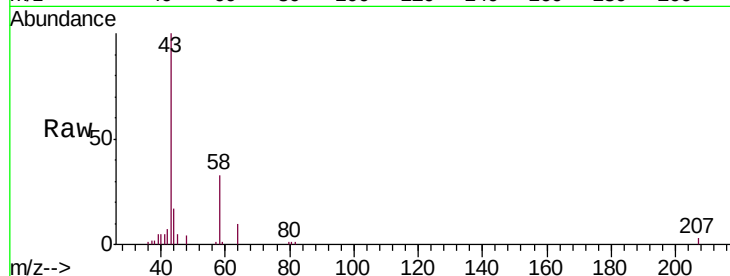
B4-GW

Tgt Ion: 43 Resp: 8881

Ion Ratio Lower Upper

43 100

58 34.0 27.4 41.2



#18

Methyl Acetate

Concen: 0.774 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX019605.D

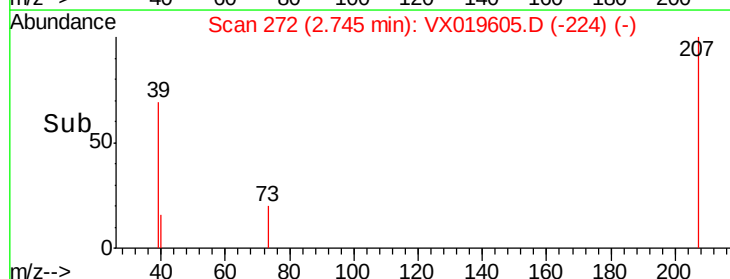
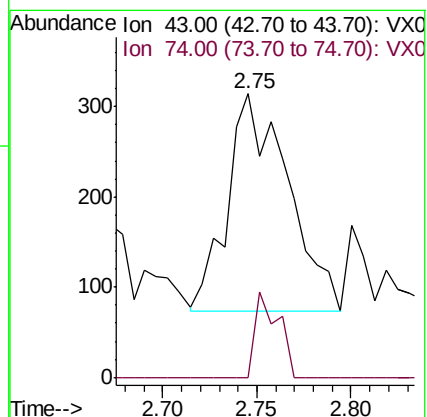
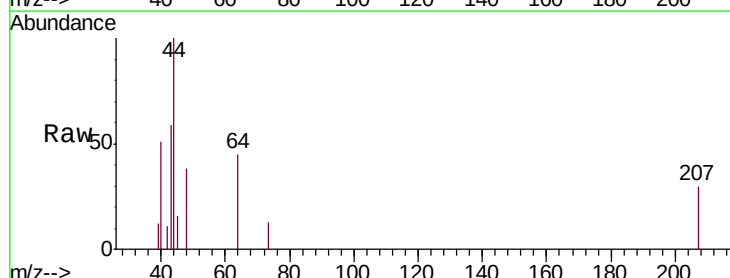
Acq: 24 Nov 2020 15:09

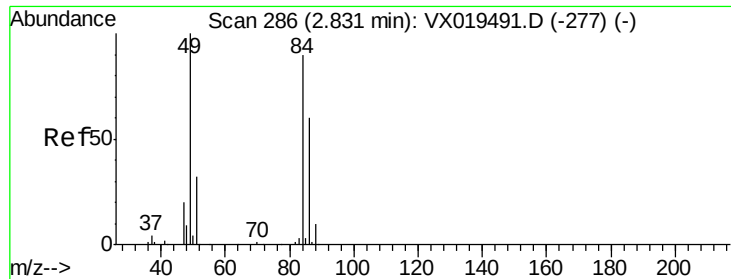
Tgt Ion: 43 Resp: 537

Ion Ratio Lower Upper

43 100

74 15.1 22.2 33.4#

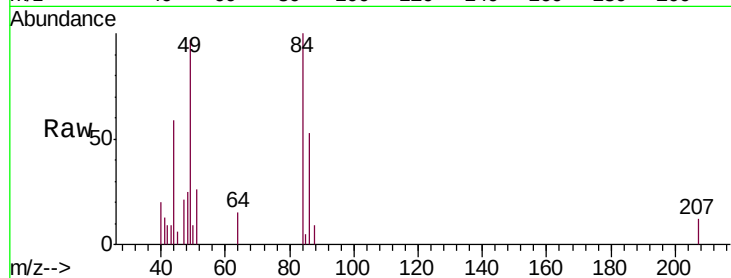




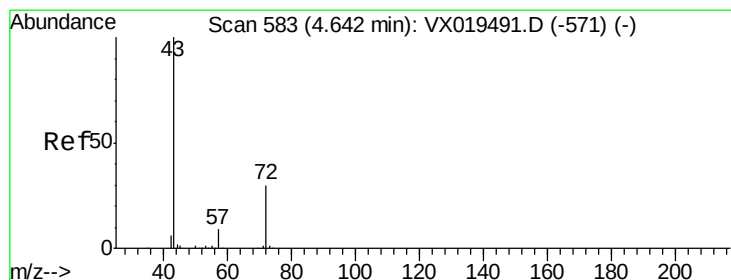
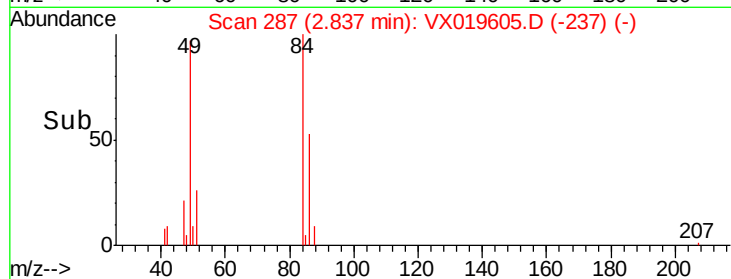
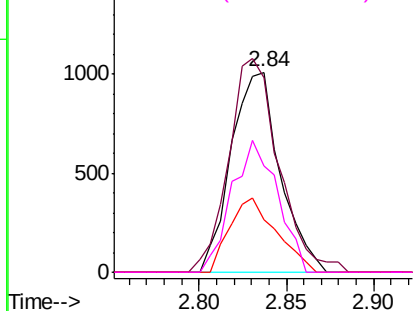
#20
Methylene Chloride
Concen: 0.510 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019605.D
Acq: 24 Nov 2020 15:09

Instrument :
MSVOA_X
ClientSampled :
B4-GW

Tgt Ion: 84 Resp: 1972
Ion Ratio Lower Upper
84 100
49 97.1 88.5 132.7
51 26.5 28.0 42.0#
86 53.4 53.0 79.4

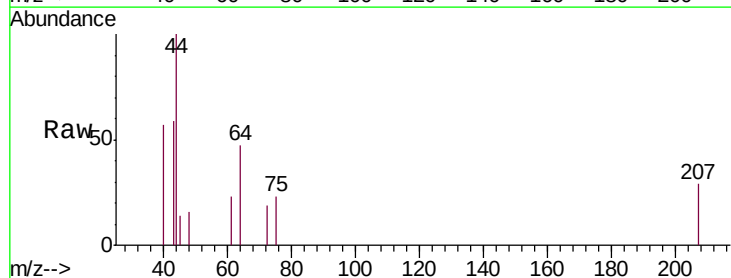


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

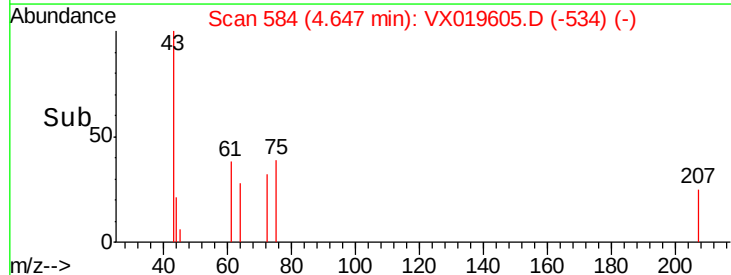
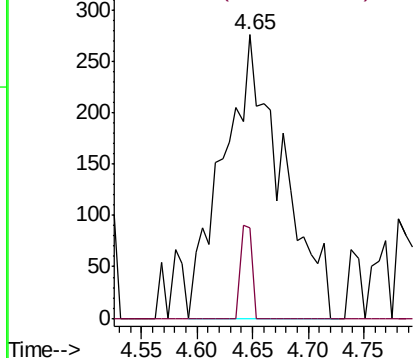


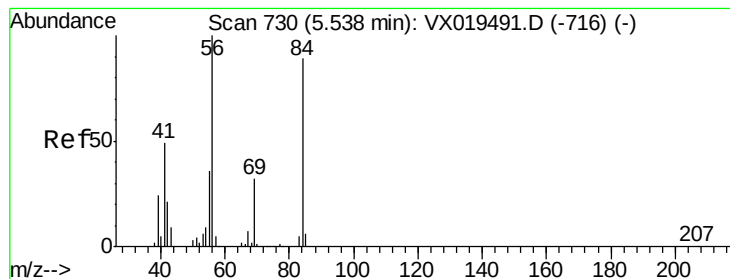
#25
2-Butanone
Concen: 0.433 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX019605.D
Acq: 24 Nov 2020 15:09

Tgt Ion: 43 Resp: 1008
Ion Ratio Lower Upper
43 100
72 31.9 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 1.176 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.09 min

Lab File: VX019605.D

Acq: 24 Nov 2020 15:09

Instrument :

MSVOA_X

ClientSampled :

B4-GW

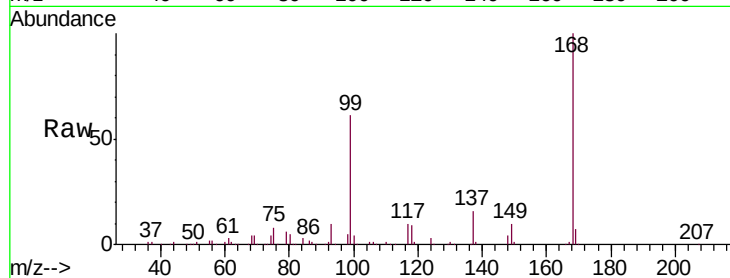
Tgt Ion: 56 Resp: 6125

Ion Ratio Lower Upper

56 100

69 177.0 25.5 38.3#

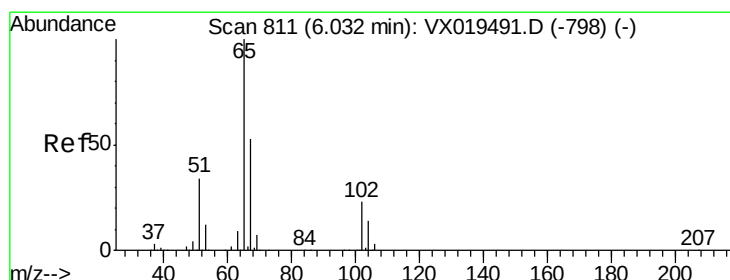
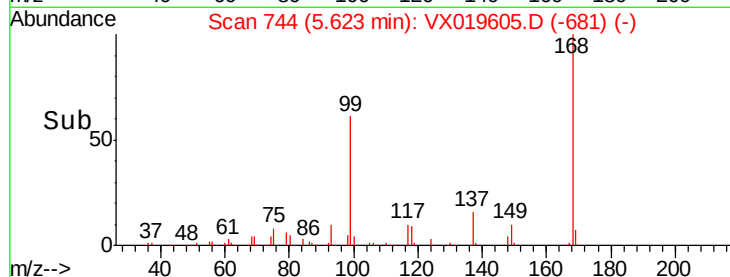
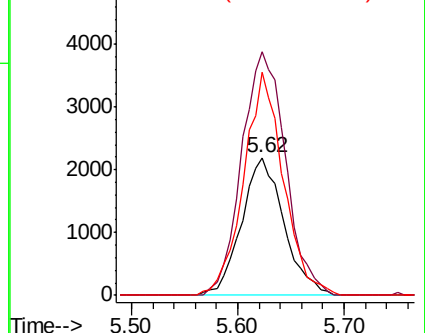
84 162.2 71.1 106.7#



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: 48.001 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019605.D

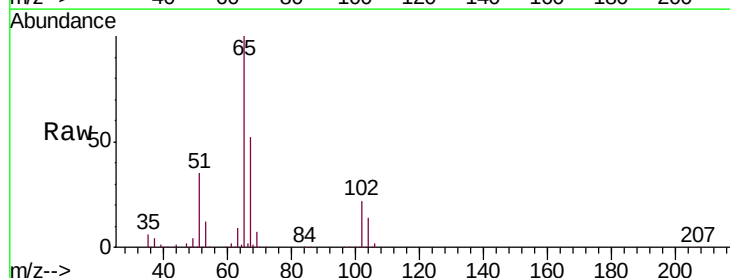
Acq: 24 Nov 2020 15:09

Tgt Ion: 65 Resp: 192168

Ion Ratio Lower Upper

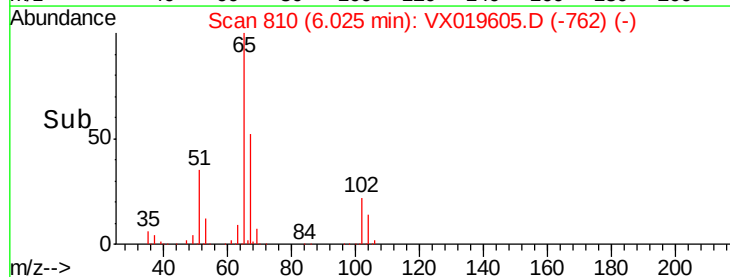
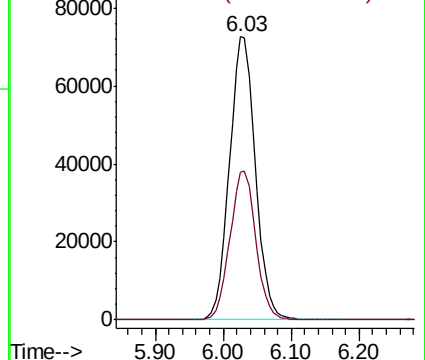
65 100

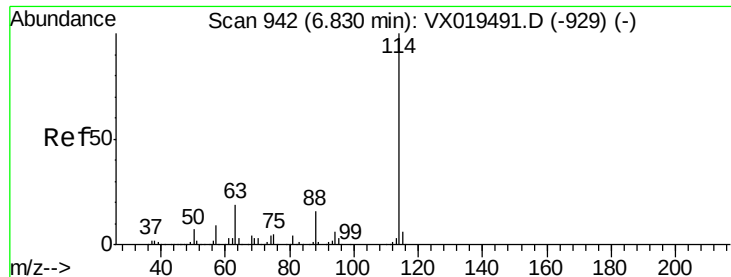
67 52.6 0.0 105.0



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: VX019605.D

Acq: 24 Nov 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

B4-GW

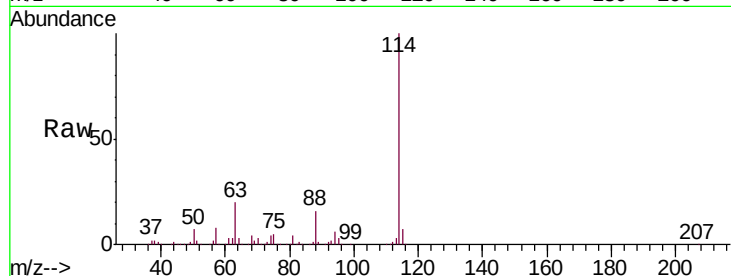
Tgt Ion:114 Resp: 509523

Ion Ratio Lower Upper

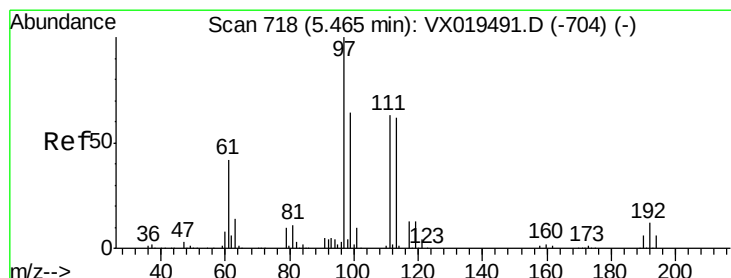
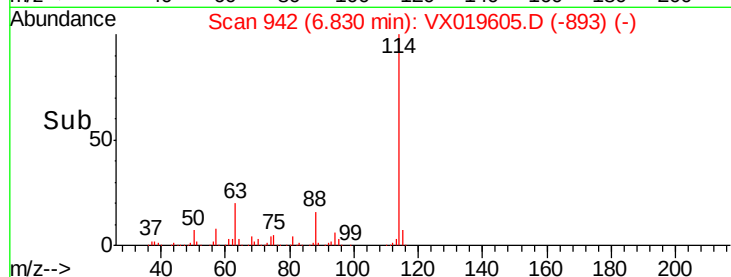
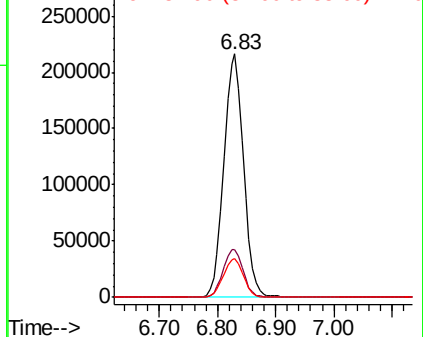
114 100

63 19.6 0.0 38.8

88 15.7 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: 47.571 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019605.D

Acq: 24 Nov 2020 15:09

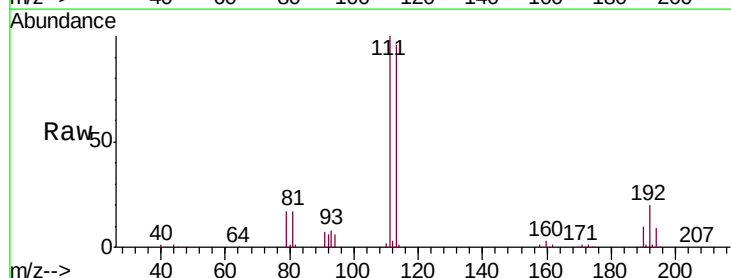
Tgt Ion:113 Resp: 152144

Ion Ratio Lower Upper

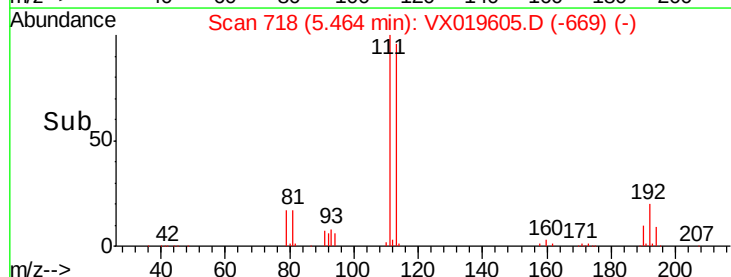
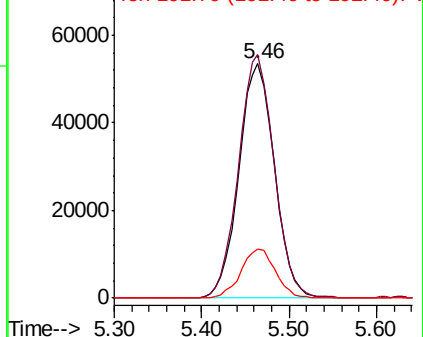
113 100

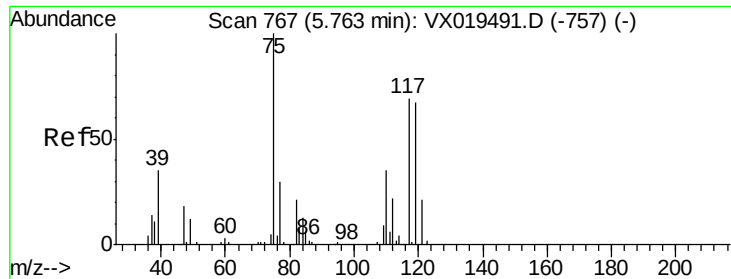
111 103.2 81.5 122.3

192 20.2 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

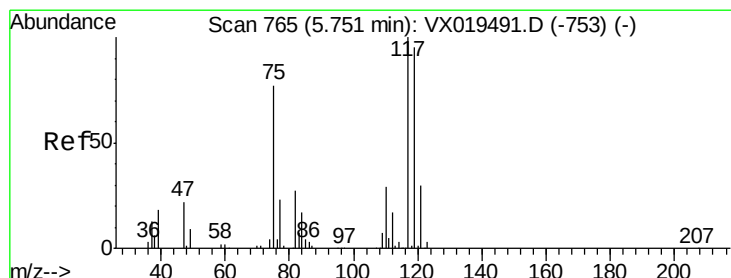
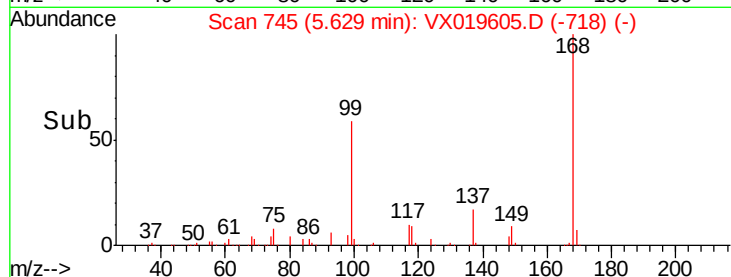
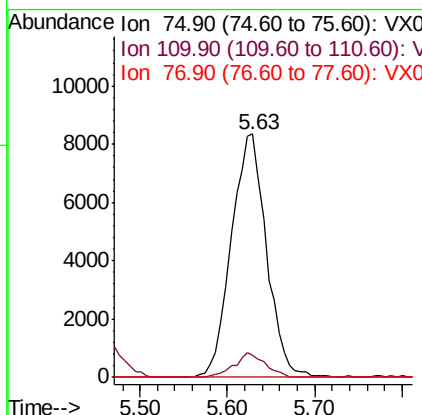
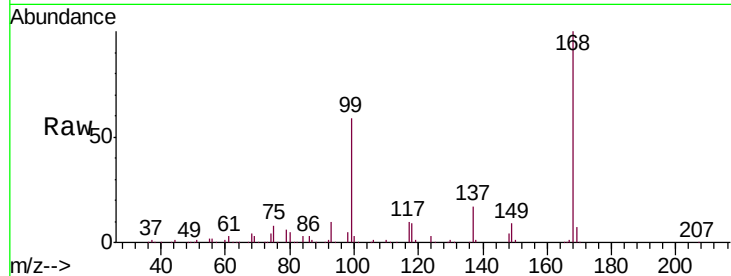




#36
 1,1-Dichloropropene
 Concen: 4.867 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019605.D
 Acq: 24 Nov 2020 15:09

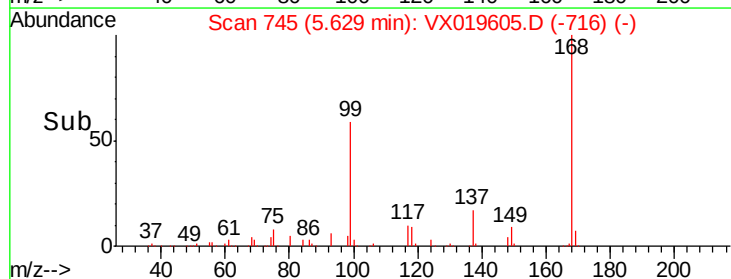
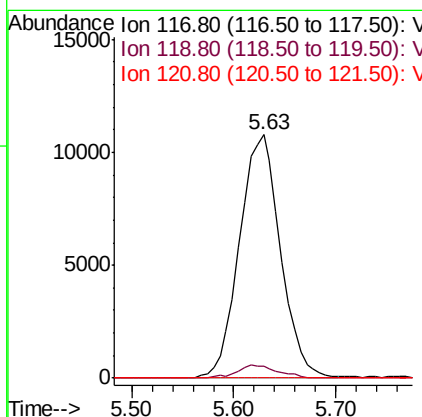
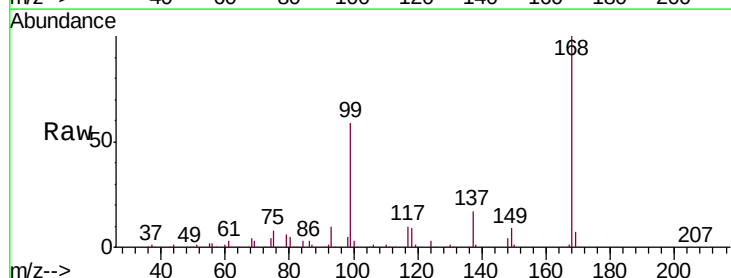
Instrument :
 MSVOA_X
 ClientSampled :
 B4-GW

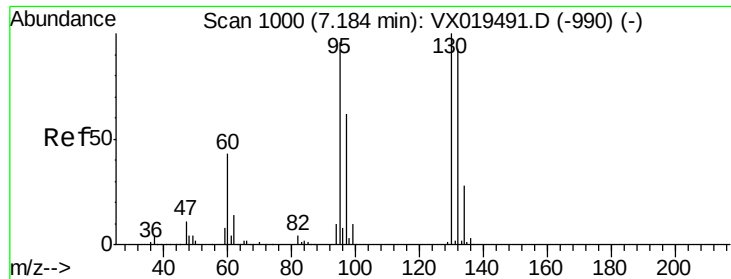
Tgt Ion: 75 Resp: 23248
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.3#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 6.493 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019605.D
 Acq: 24 Nov 2020 15:09

Tgt Ion: 117 Resp: 30019
 Ion Ratio Lower Upper
 117 100
 119 4.9 75.9 113.9#
 121 0.0 24.0 36.0#





#44

Trichloroethene

Concen: 0.252 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019605.D

Acq: 24 Nov 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

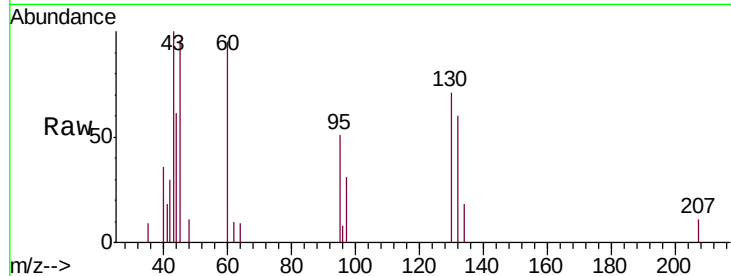
B4-GW

Tgt Ion:130 Resp: 968

Ion Ratio Lower Upper

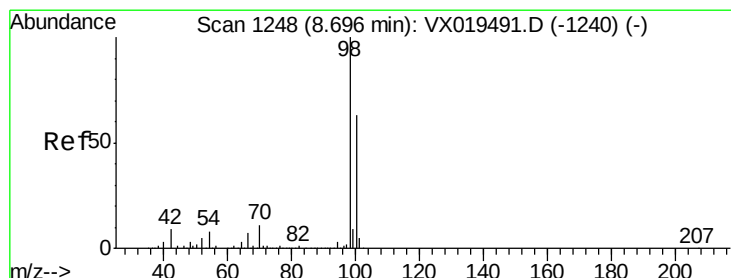
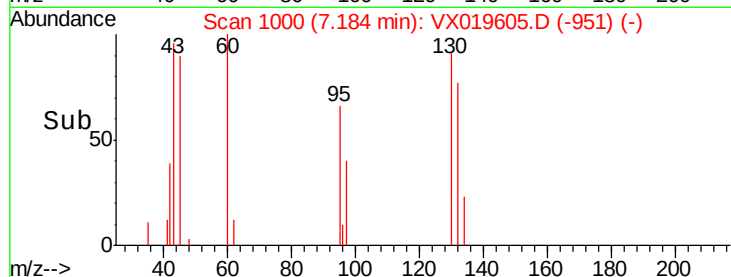
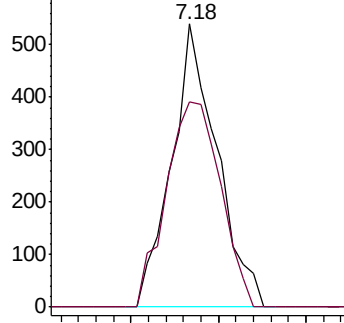
130 100

95 72.5 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: 48.794 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019605.D

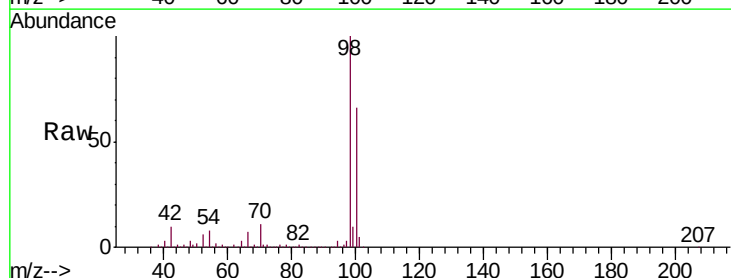
Acq: 24 Nov 2020 15:09

Tgt Ion: 98 Resp: 606420

Ion Ratio Lower Upper

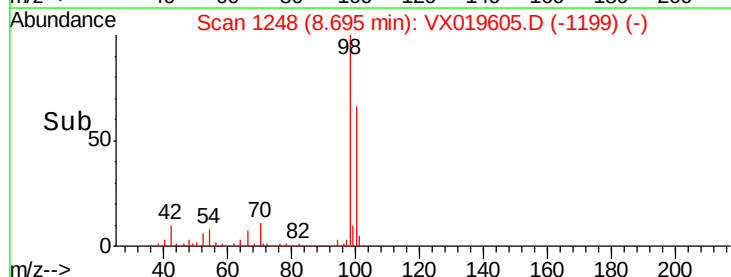
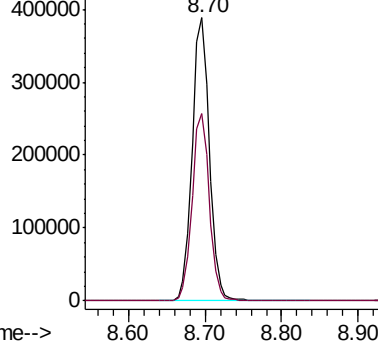
98 100

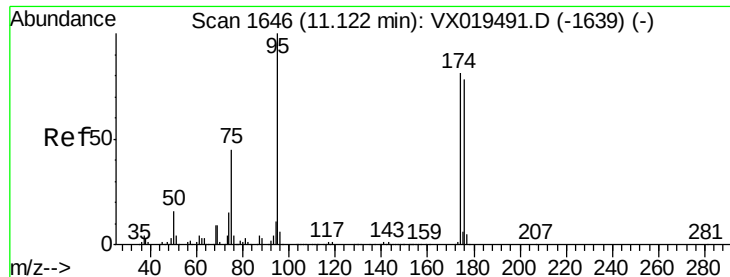
100 66.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.927 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019605.D

Acq: 24 Nov 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

B4-GW

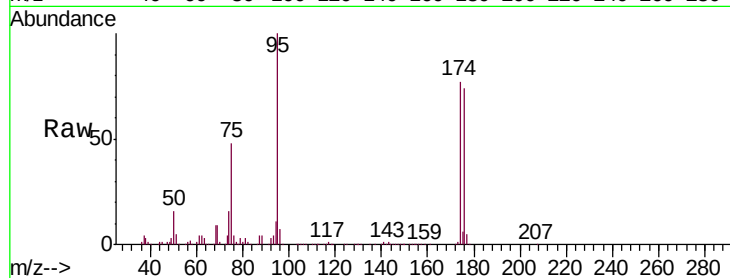
Tgt Ion: 95 Resp: 200892

Ion Ratio Lower Upper

95 100

174 76.6 0.0 156.2

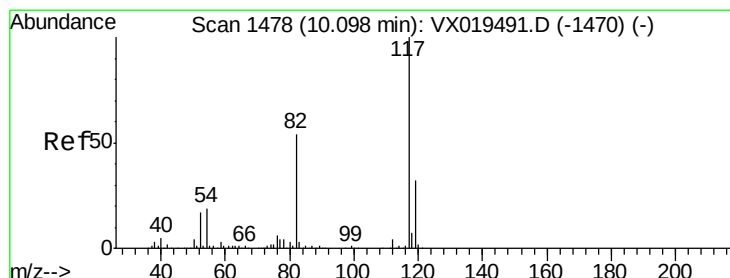
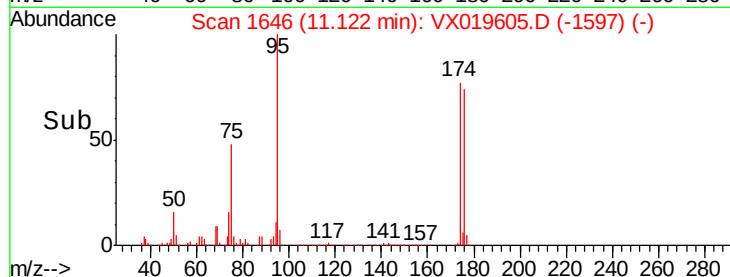
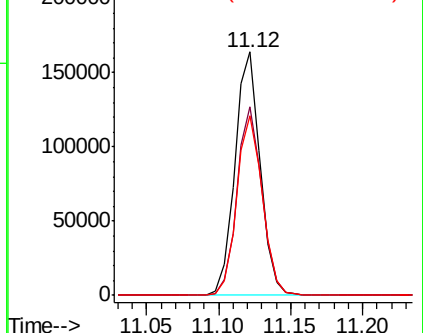
176 74.7 0.0 151.4



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: VX019605.D

Acq: 24 Nov 2020 15:09

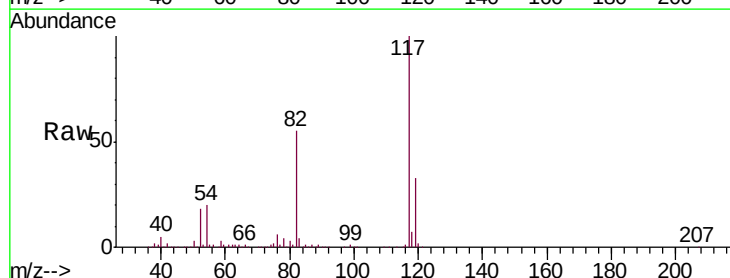
Tgt Ion: 117 Resp: 446026

Ion Ratio Lower Upper

117 100

82 55.1 43.0 64.4

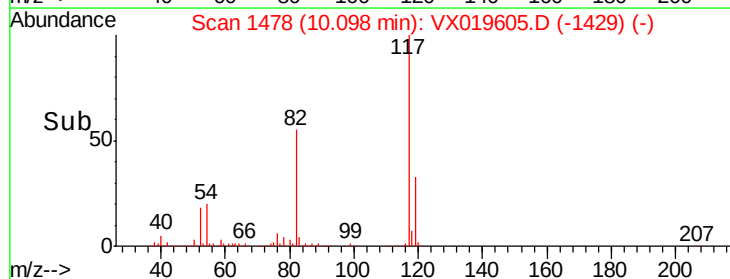
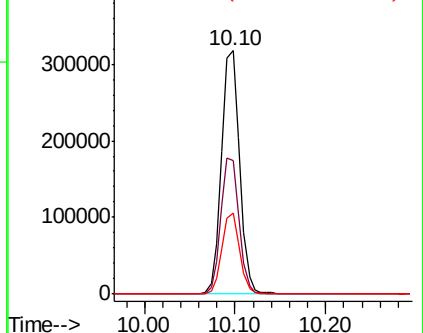
119 33.1 25.6 38.4

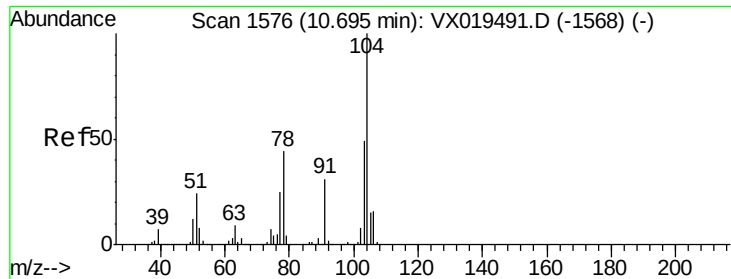


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0

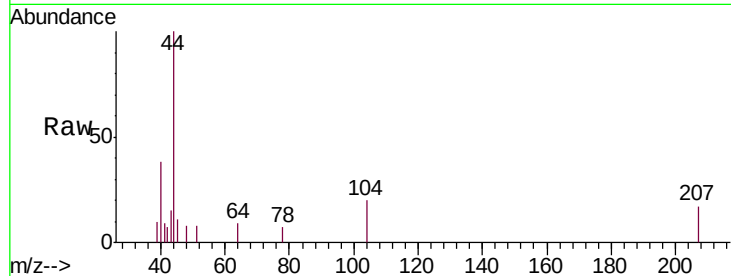




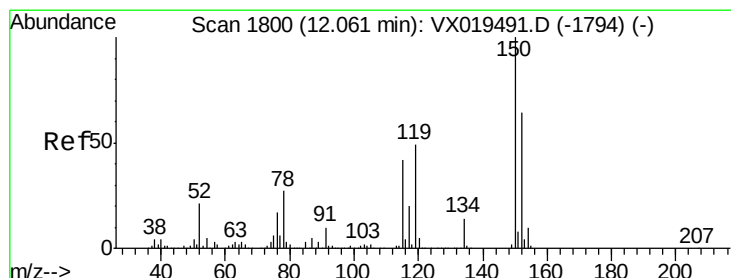
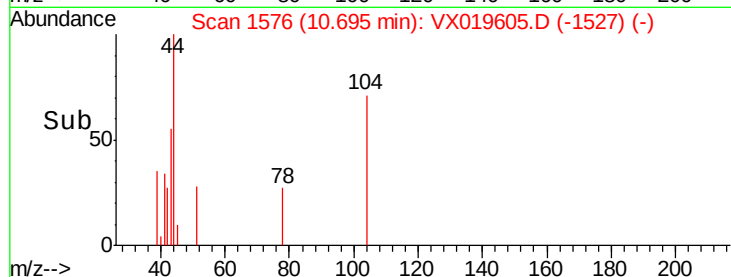
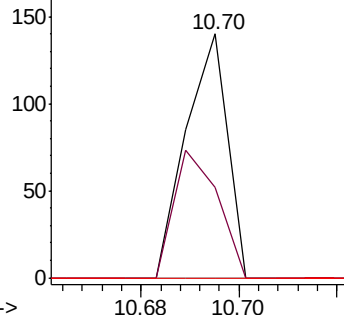
#70
Styrene
Concen: 1.653 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019605.D
Acq: 24 Nov 2020 15:09

Instrument :
MSVOA_X
ClientSampleId :
B4-GW

Tgt Ion:104 Resp: 82
Ion Ratio Lower Upper
104 100
78 56.1 39.5 59.3
103 0.0 43.6 65.4#

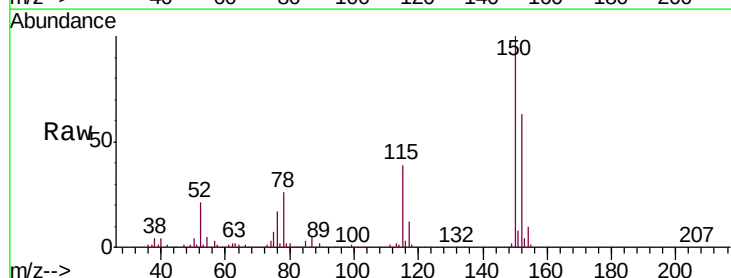


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

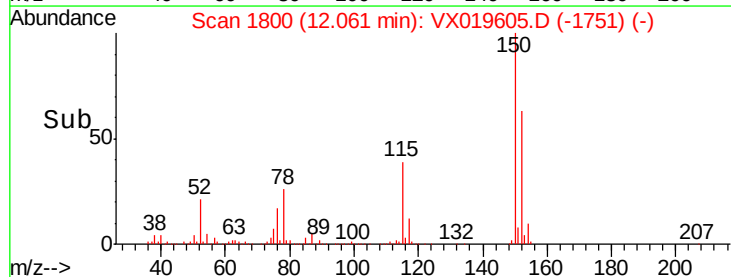
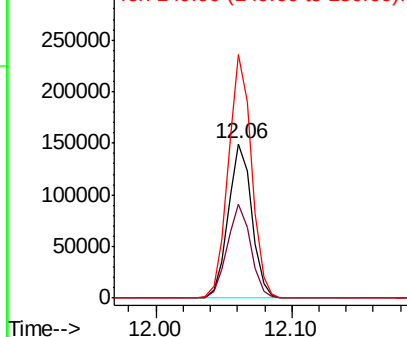


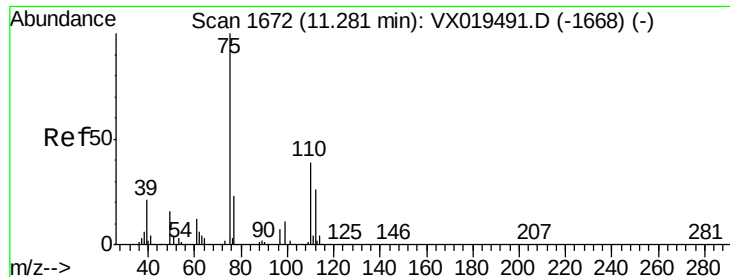
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019605.D
Acq: 24 Nov 2020 15:09

Tgt Ion:152 Resp: 178708
Ion Ratio Lower Upper
152 100
115 60.9 41.8 125.4
150 156.1 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: 25.427 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019605.D

Acq: 24 Nov 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

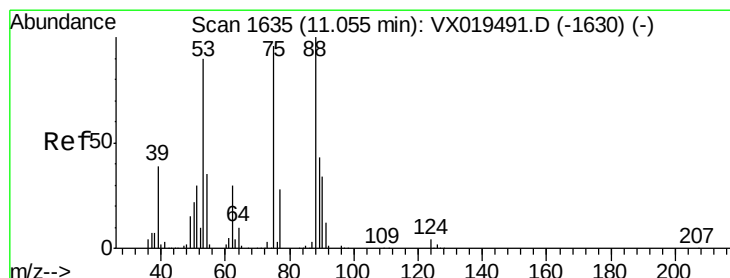
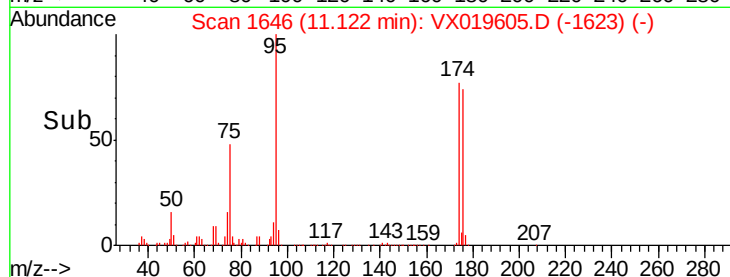
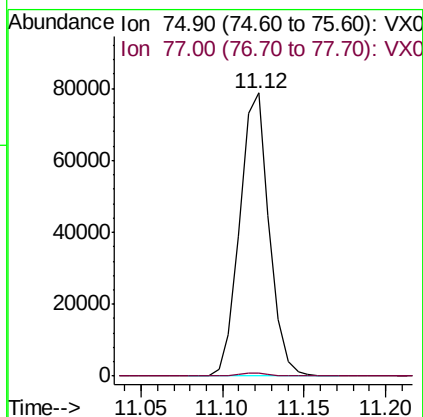
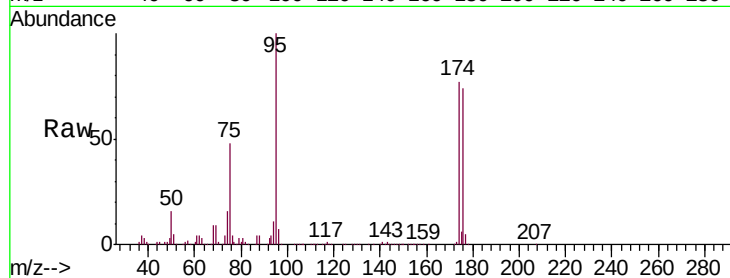
B4-GW

Tgt Ion: 75 Resp: 99165

Ion Ratio Lower Upper

75 100

77 1.2 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.095 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019605.D

Acq: 24 Nov 2020 15:09

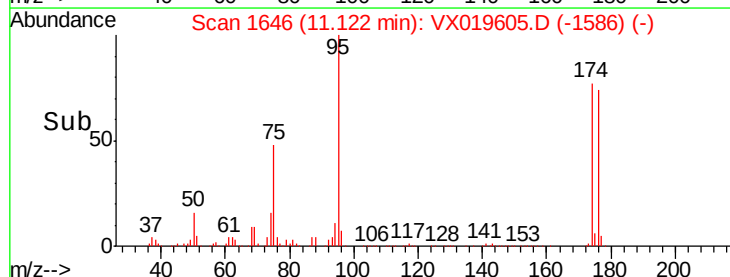
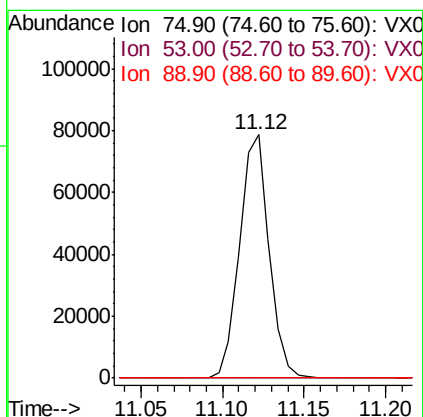
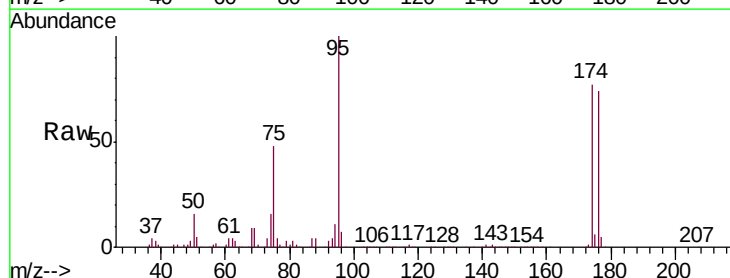
Tgt Ion: 75 Resp: 99165

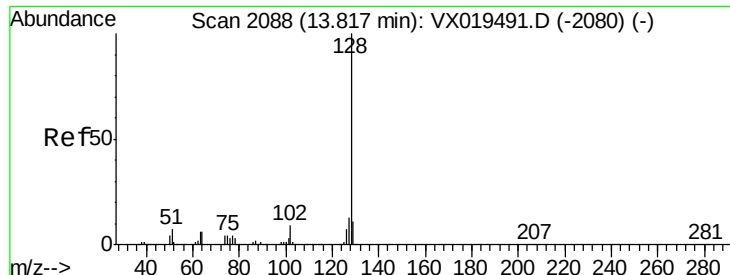
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.3 55.9#





#95
Naphthalene
Concen: 2.198 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019605.D
Acq: 24 Nov 2020 15:09

Instrument :
MSVOA_X
ClientSampleId :
B4-GW

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

