

Data File : VX019606.D
Acq On : 24 Nov 2020 15:32
Operator : JC/MD
Sample : L4839-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B5-GW

Quant Time: Nov 25 04:02:48 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	299585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	488780	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	427954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	163724	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	185854	47.85	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.70%		
35) Dibromofluoromethane	5.46	113	145988	47.58	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.16%		
50) Toluene-d8	8.70	98	580765	48.71	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.42%		
62) 4-Bromofluorobenzene	11.12	95	189540	44.19	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.38%		

Target Compounds

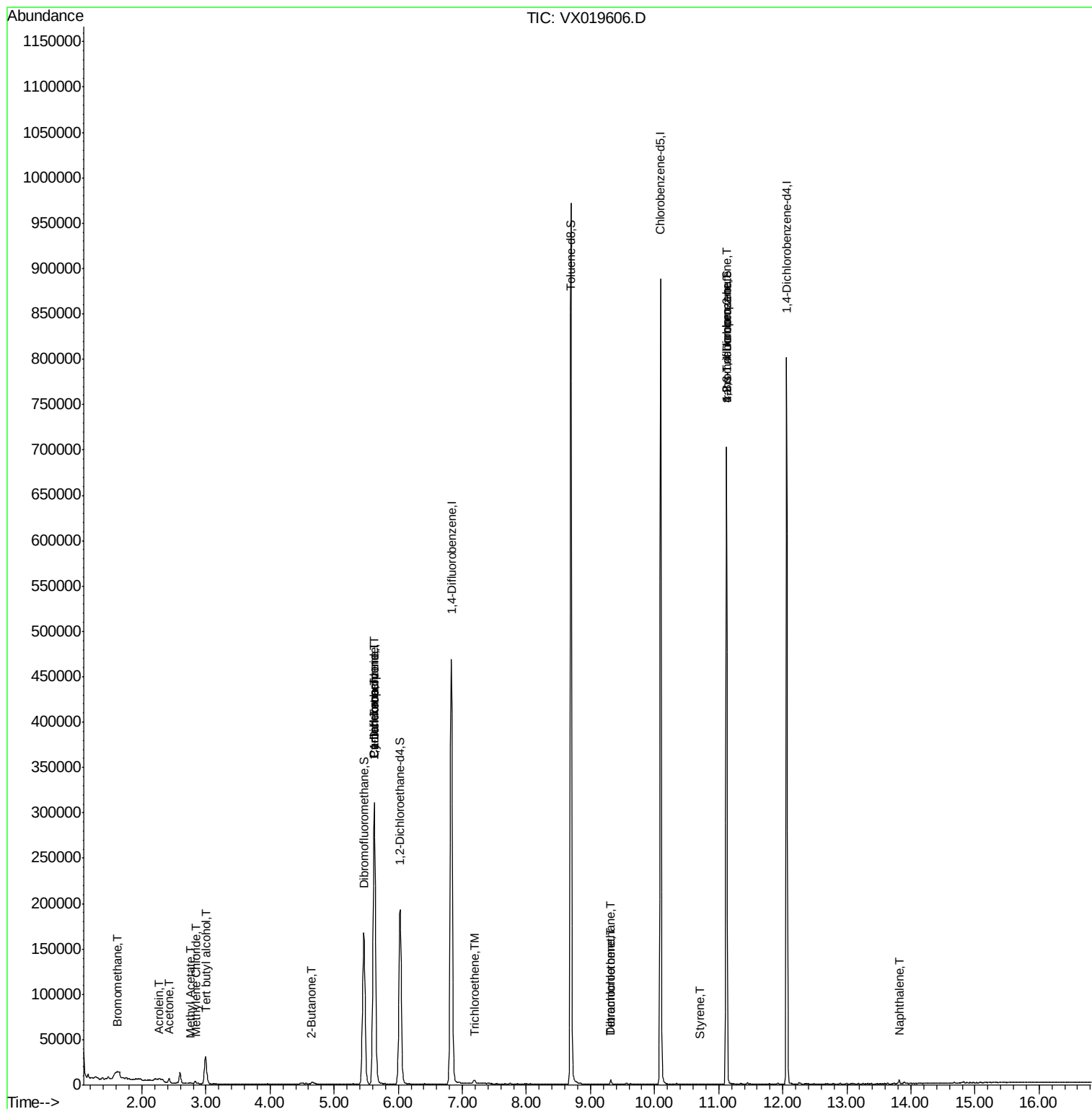
					Qvalue	
5) Bromomethane	1.62	94	433	0.318	ug/l #	51
6) Chloroethane	1.70	64	128	Below Cal	#	41
11) Tert butyl alcohol	2.99	59	19023	25.877	ug/l #	79
13) Acrolein	2.27	56	288	0.583	ug/l #	58
16) Acetone	2.42	43	4464	2.972	ug/l	90
18) Methyl Acetate	2.75	43	1131	0.938	ug/l	96
20) Methylene Chloride	2.84	84	1145	0.305	ug/l #	91
25) 2-Butanone	4.63	43	567	0.251	ug/l #	85
31) Cyclohexane	5.62	56	6054	1.198	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22764	4.968	ug/l #	50
38) Carbon Tetrachloride	5.63	117	29272	6.600	ug/l #	16
44) Trichloroethene	7.19	130	816	0.221	ug/l	85
60) Dibromochloromethane	9.31	129	761	0.221	ug/l #	10
64) Tetrachloroethene	9.32	164	965	0.287	ug/l #	73
70) Styrene	10.70	104	46	1.650	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	93198	26.084	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	93198	68.719	ug/l #	12
95) Naphthalene	13.82	128	2460	2.373	ug/l	98

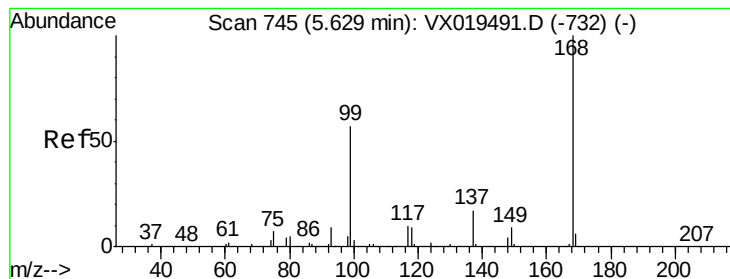
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX019606.D
Acq On : 24 Nov 2020 15:32
Operator : JC/MD
Sample : L4839-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B5-GW

Quant Time: Nov 25 04:02:48 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019606.D

Acq: 24 Nov 2020 15:32

Instrument :

MSVOA_X

ClientSampled :

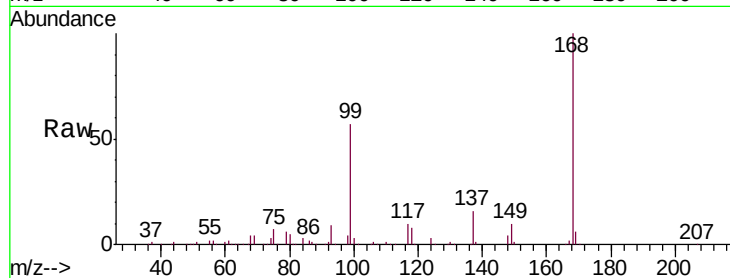
B5-GW

Tgt Ion:168 Resp: 299585

Ion Ratio Lower Upper

168 100

99 56.5 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

120000

100000

80000

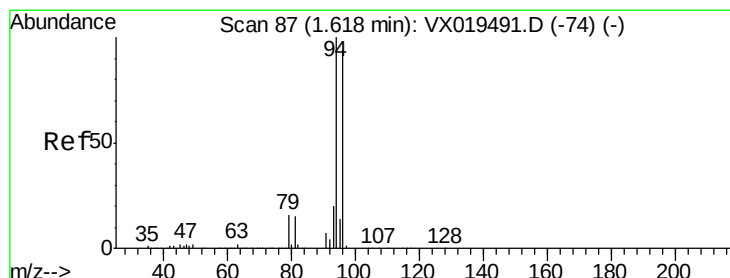
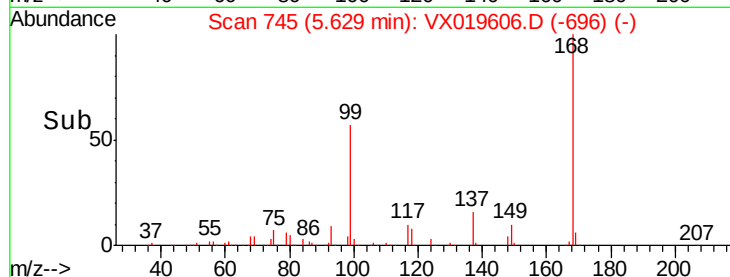
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.318 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019606.D

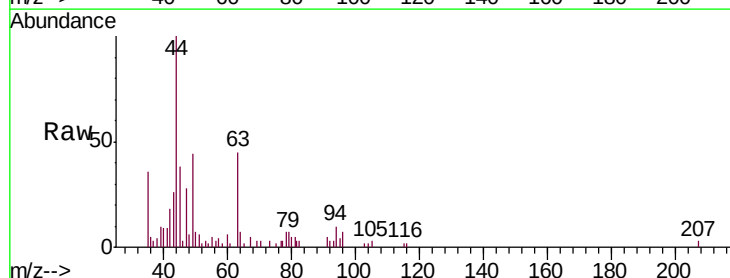
Acq: 24 Nov 2020 15:32

Tgt Ion: 94 Resp: 433

Ion Ratio Lower Upper

94 100

96 47.3 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

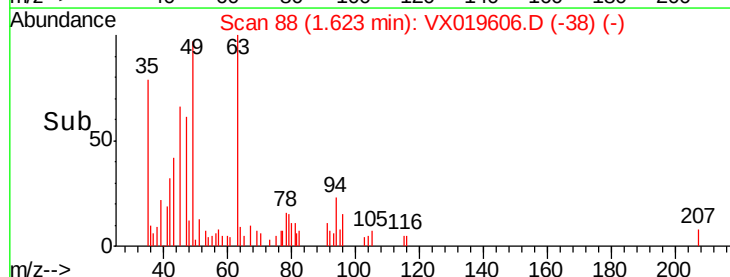
300

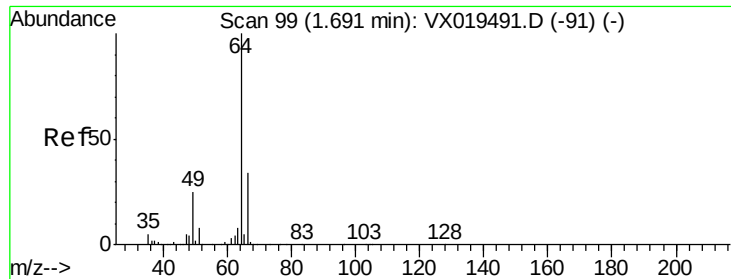
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX019606.D

Acq: 24 Nov 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

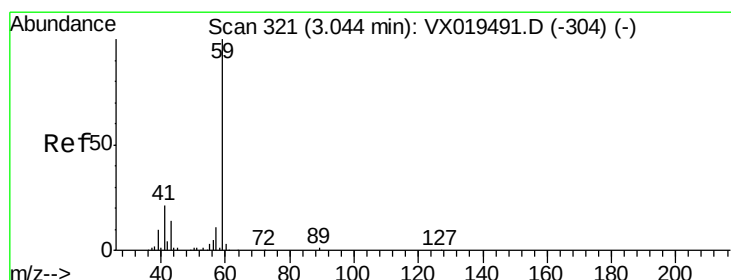
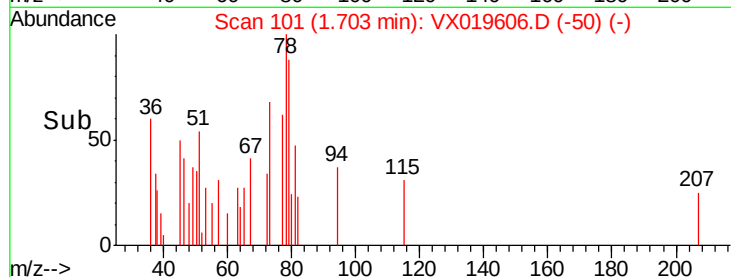
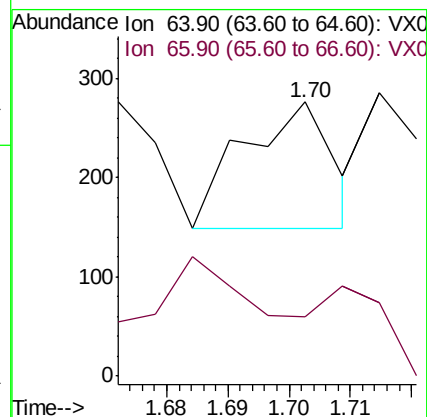
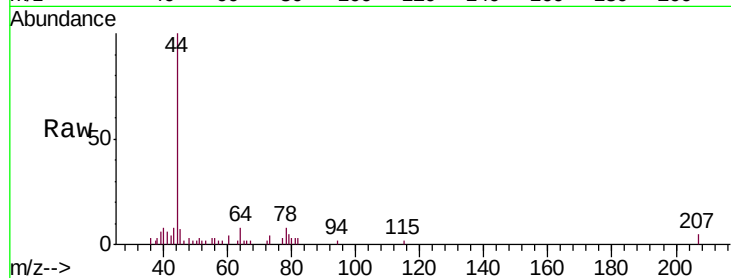
B5-GW

Tgt Ion: 64 Resp: 128

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



#11

Tert butyl alcohol

Concen: 25.877 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.06 min

Lab File: VX019606.D

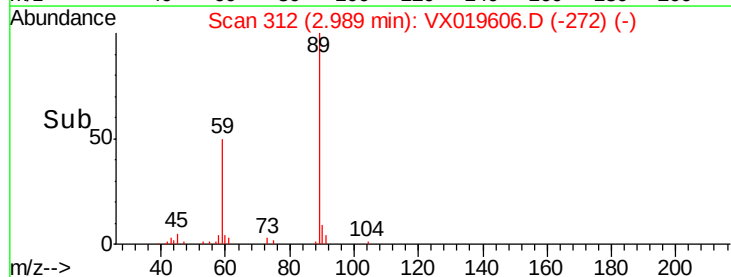
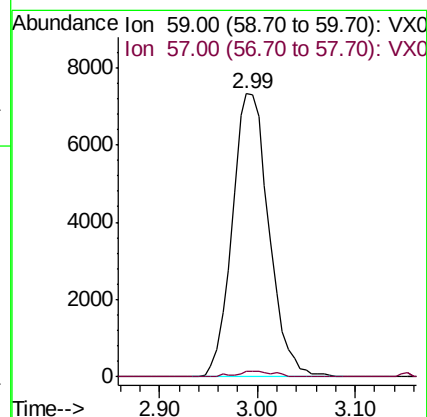
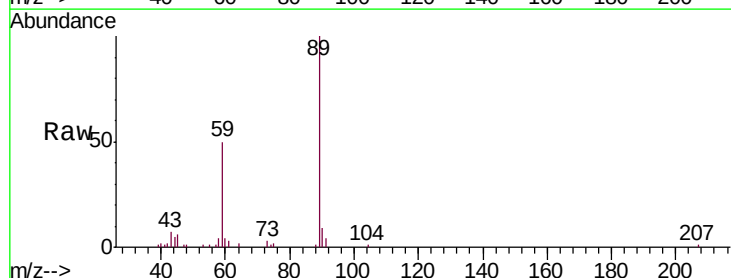
Acq: 24 Nov 2020 15:32

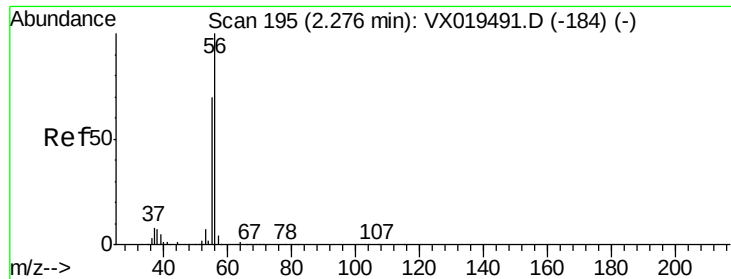
Tgt Ion: 59 Resp: 19023

Ion Ratio Lower Upper

59 100

57 2.1 7.9 11.9#





#13

Acrolein

Concen: 0.583 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX019606.D

Acq: 24 Nov 2020 15:32

Instrument :

MSVOA_X

ClientSampled :

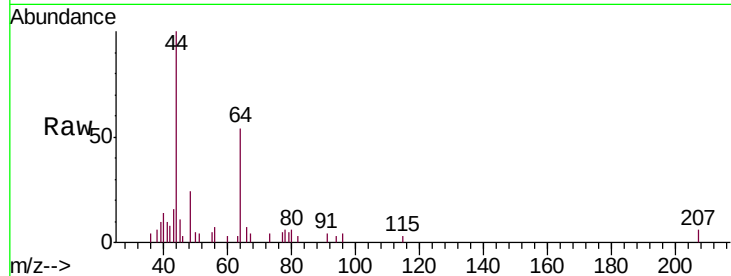
B5-GW

Tgt Ion: 56 Resp: 288

Ion Ratio Lower Upper

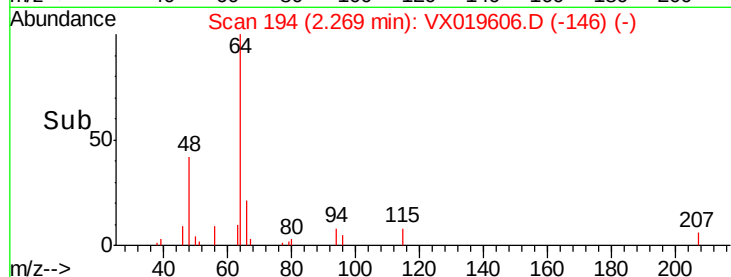
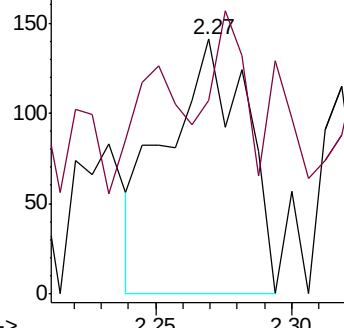
56 100

55 35.1 55.5 83.3#

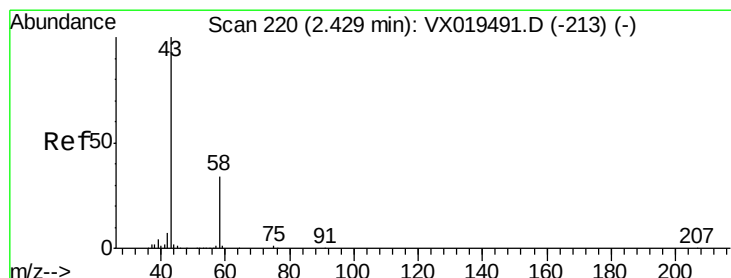


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 2.972 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019606.D

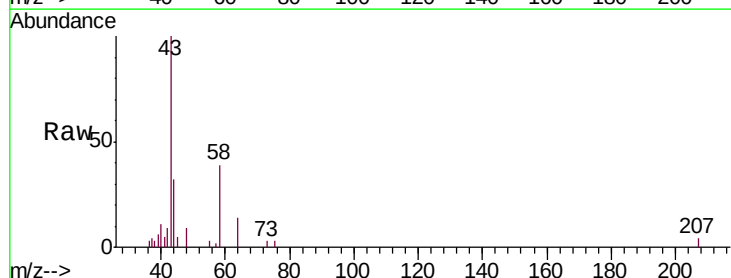
Acq: 24 Nov 2020 15:32

Tgt Ion: 43 Resp: 4464

Ion Ratio Lower Upper

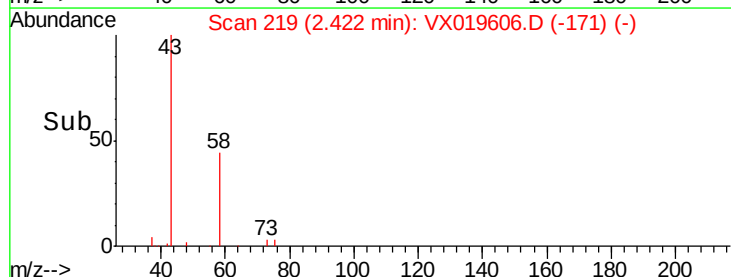
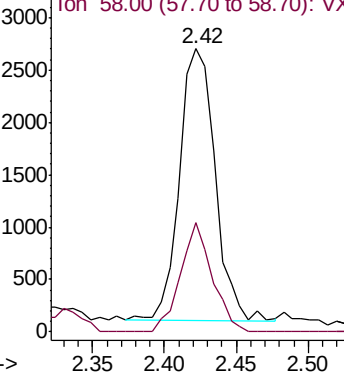
43 100

58 40.3 27.4 41.2

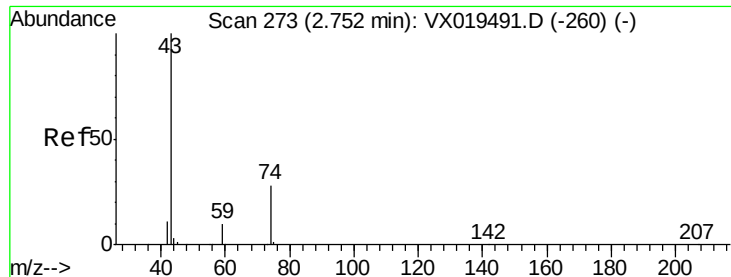


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#18

Methyl Acetate

Concen: 0.938 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX019606.D

Acq: 24 Nov 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

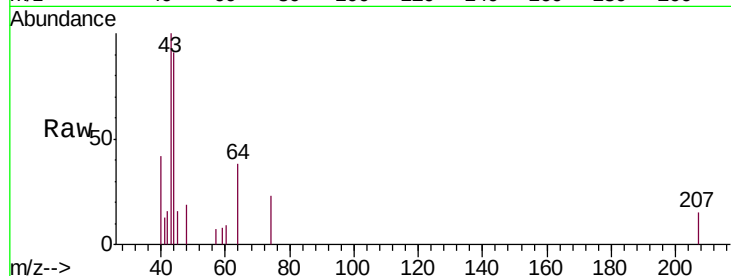
B5-GW

Tgt Ion: 43 Resp: 1131

Ion Ratio Lower Upper

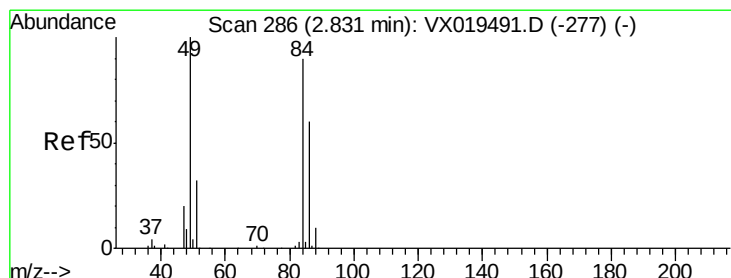
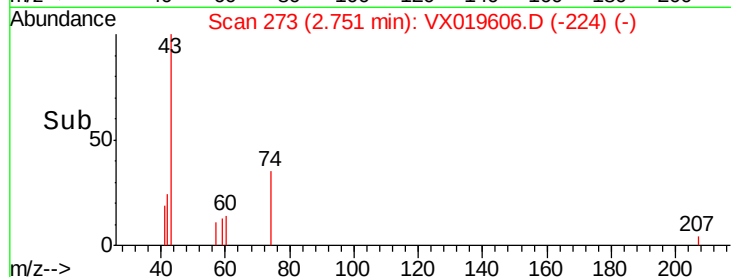
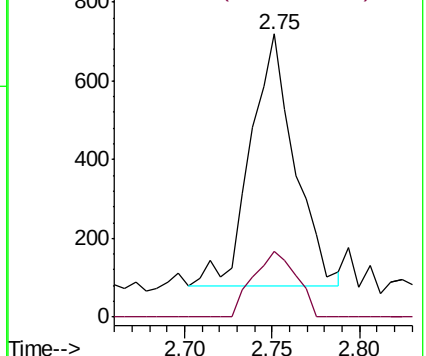
43 100

74 25.6 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 0.305 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX019606.D

Acq: 24 Nov 2020 15:32

Tgt Ion: 84 Resp: 1145

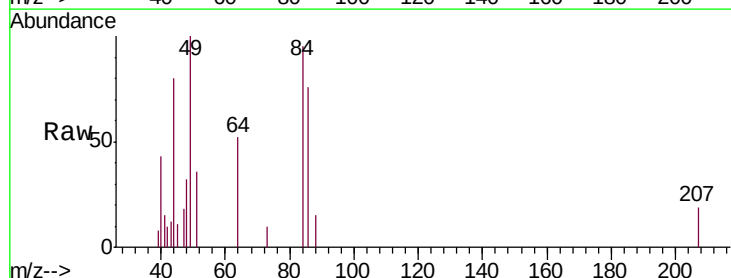
Ion Ratio Lower Upper

84 100

49 105.0 88.5 132.7

51 37.9 28.0 42.0

86 80.2 53.0 79.4#

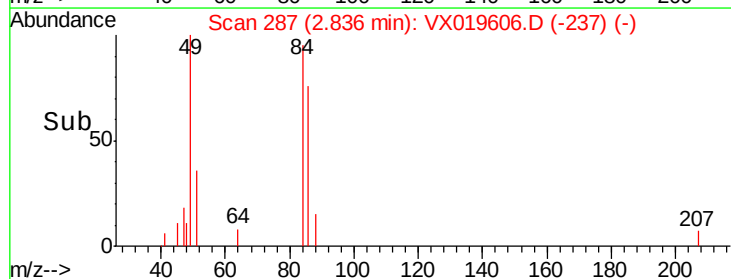
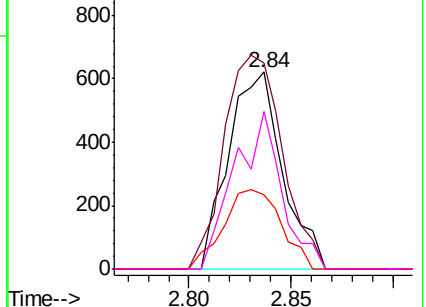


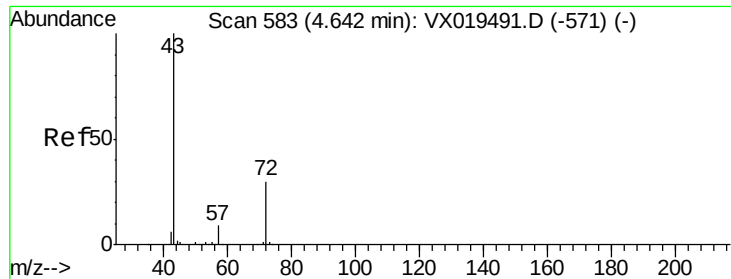
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

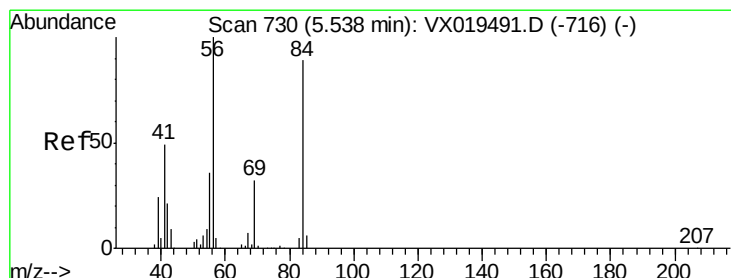
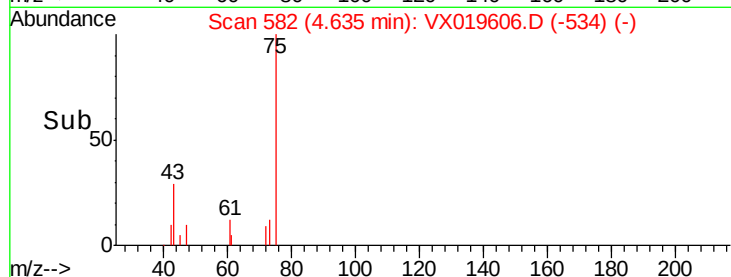
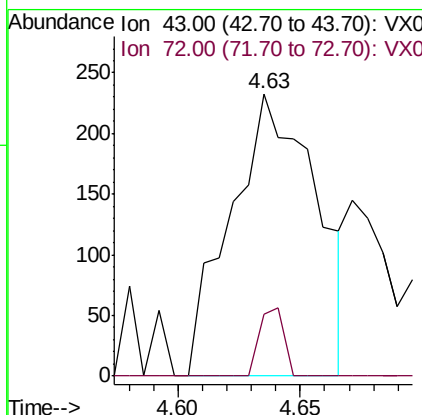
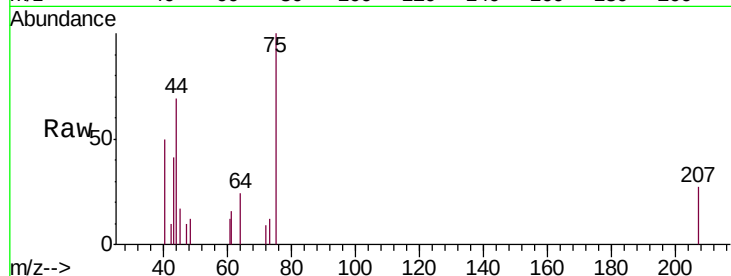




#25
2-Butanone
Concen: 0.251 ug/l
RT: 4.63 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX019606.D
Acq: 24 Nov 2020 15:32

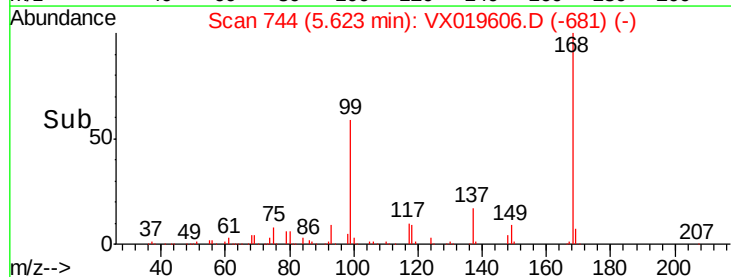
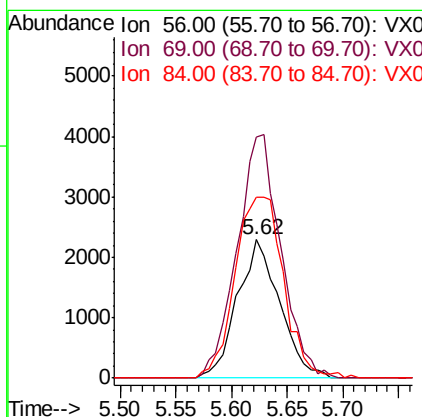
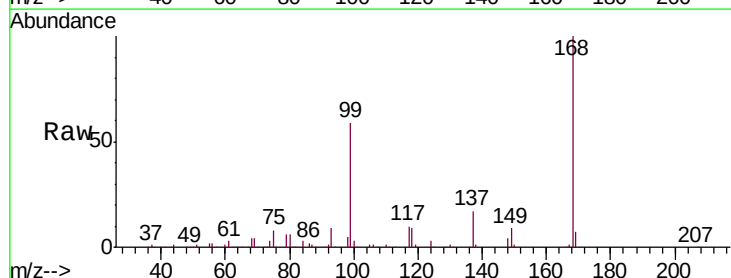
Instrument :
MSVOA_X
ClientSampled :
B5-GW

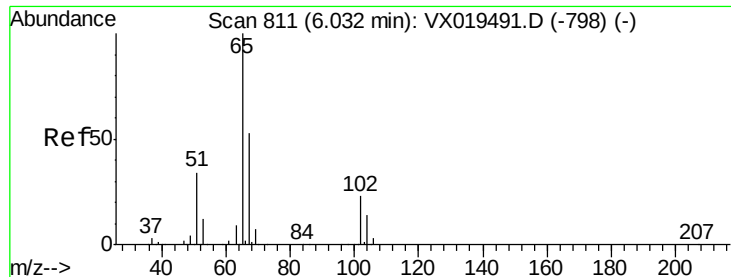
Tgt Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
72 21.9 24.0 36.0#



#31
Cyclohexane
Concen: 1.198 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX019606.D
Acq: 24 Nov 2020 15:32

Tgt Ion: 56 Resp: 6054
Ion Ratio Lower Upper
56 100
69 174.7 25.5 38.3#
84 130.6 71.1 106.7#

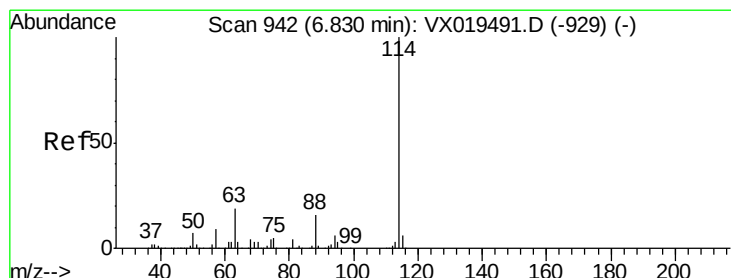
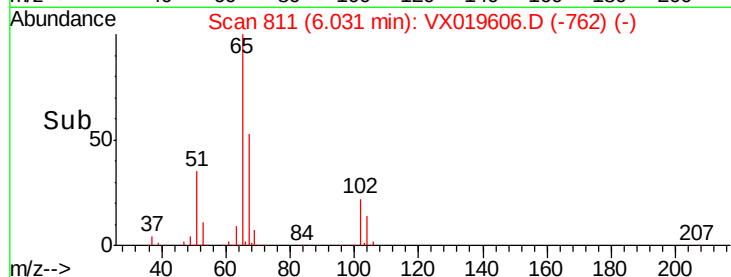
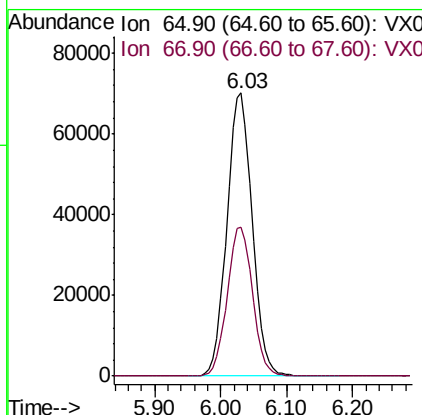
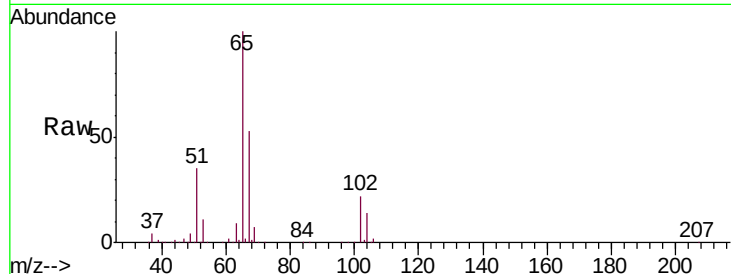




#33
 1,2-Dichloroethane-d4
 Concen: 47.847 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019606.D
 Acq: 24 Nov 2020 15:32

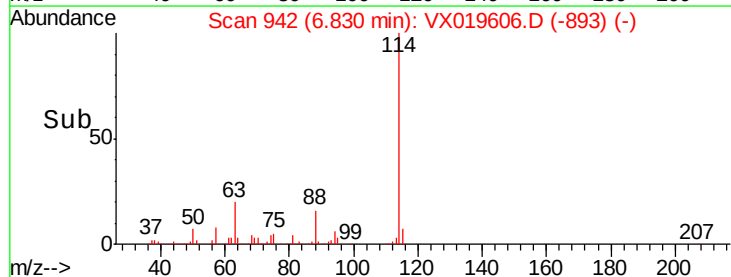
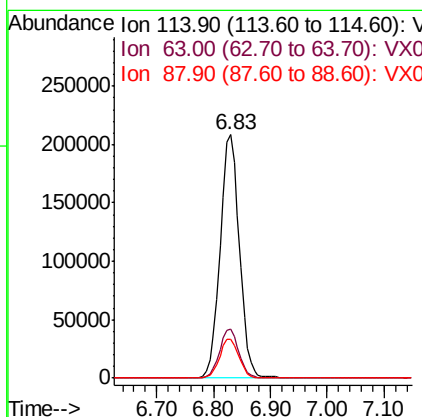
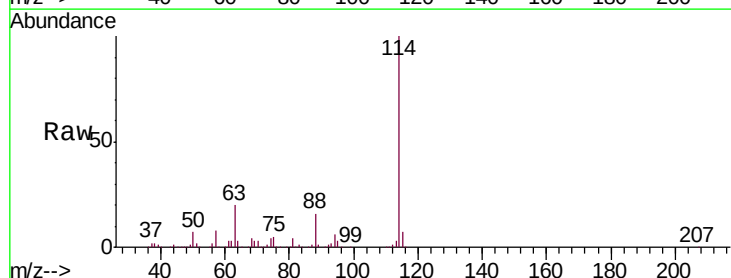
Instrument :
 MSVOA_X
 ClientSampleId :
 B5-GW

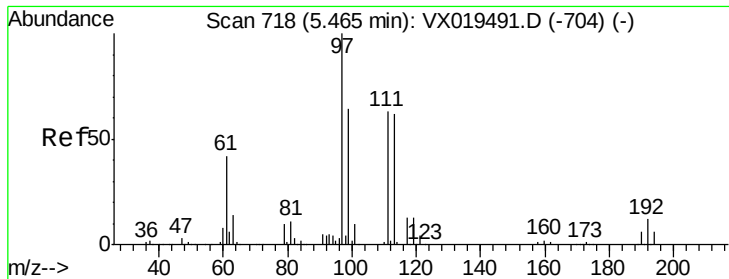
Tgt Ion: 65 Resp: 185854
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019606.D
 Acq: 24 Nov 2020 15:32

Tgt Ion: 114 Resp: 488780
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.8
 88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.583 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019606.D

Acq: 24 Nov 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

B5-GW

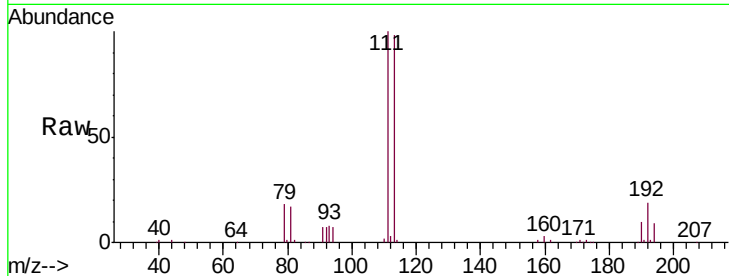
Tgt Ion:113 Resp: 145988

Ion Ratio Lower Upper

113 100

111 103.0 81.5 122.3

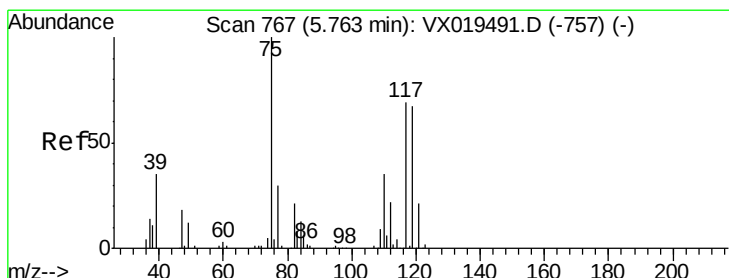
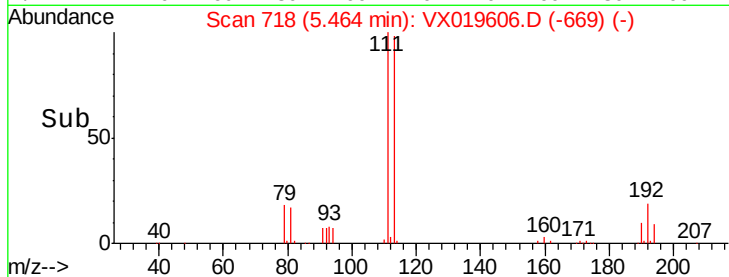
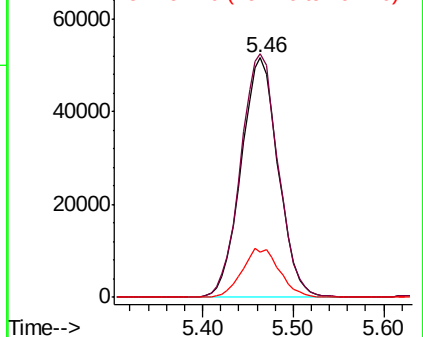
192 20.5 16.2 24.2



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: 4.968 ug/l

RT: 5.62 min Scan# 743

Delta R.T. -0.15 min

Lab File: VX019606.D

Acq: 24 Nov 2020 15:32

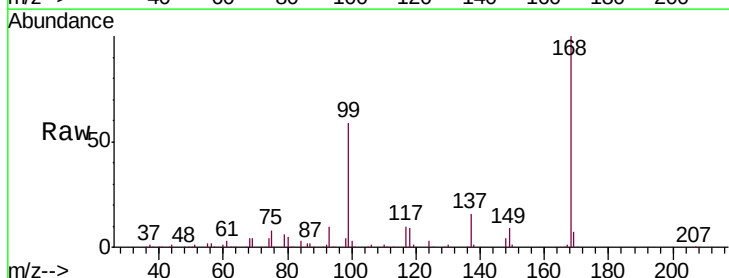
Tgt Ion: 75 Resp: 22764

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.3#

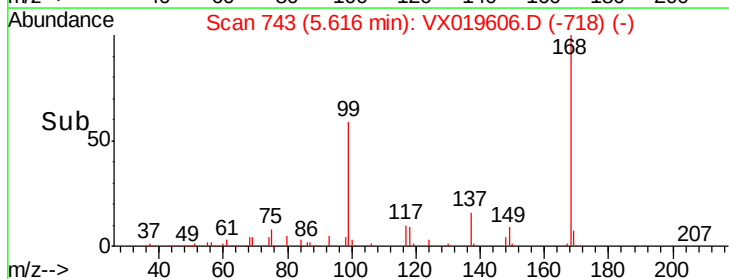
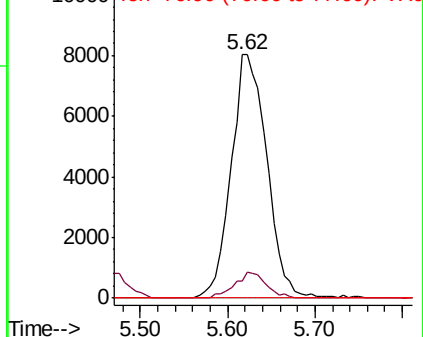
77 0.0 24.2 36.4#

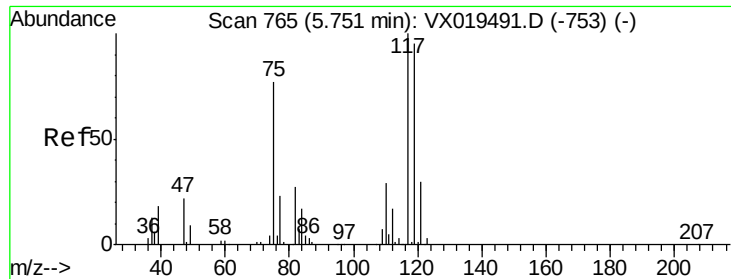


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.600 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019606.D

Acq: 24 Nov 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

B5-GW

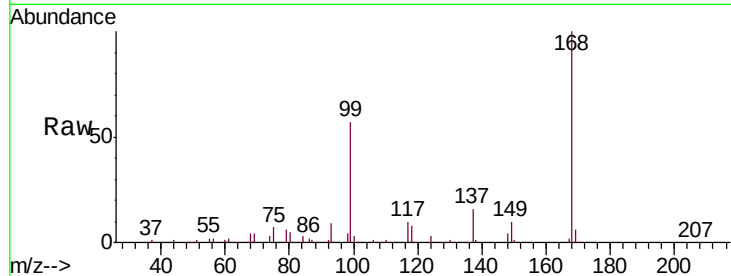
Tgt Ion:117 Resp: 29272

Ion Ratio Lower Upper

117 100

119 4.6 75.9 113.9#

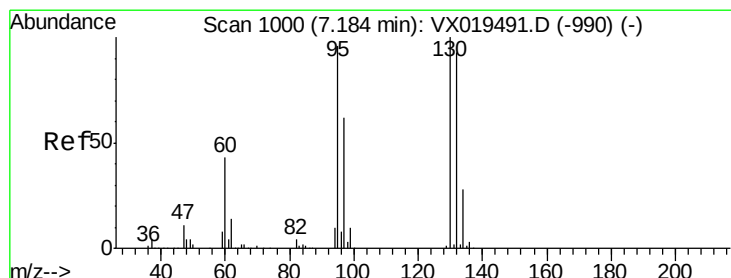
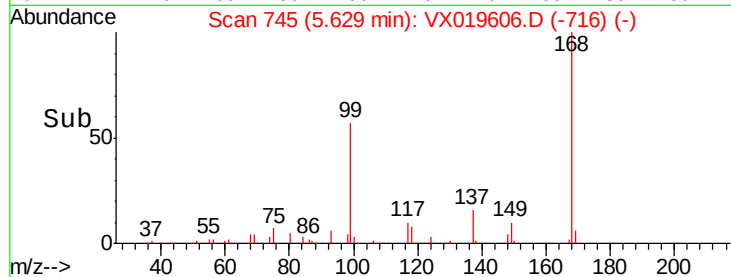
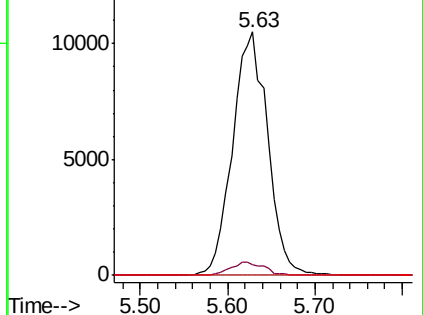
121 0.0 24.0 36.0#



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: 0.221 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019606.D

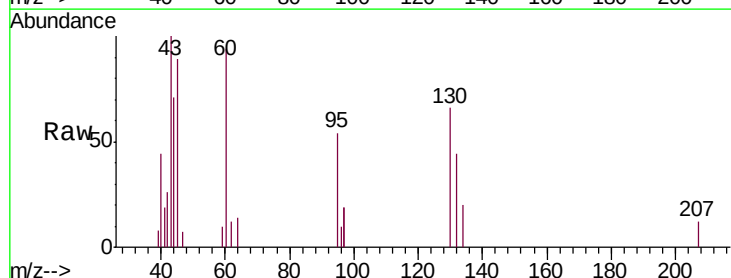
Acq: 24 Nov 2020 15:32

Tgt Ion:130 Resp: 816

Ion Ratio Lower Upper

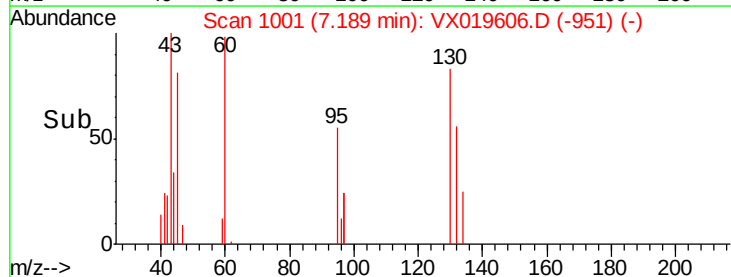
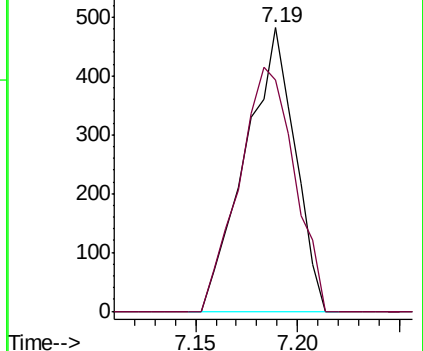
130 100

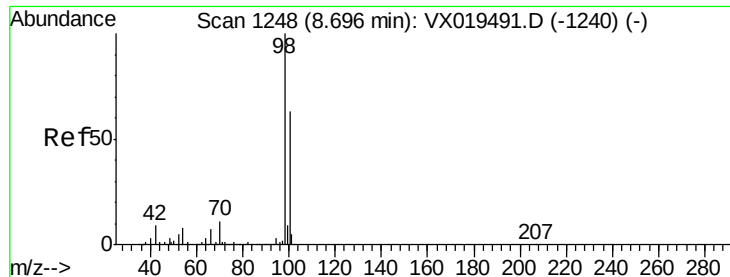
95 81.3 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

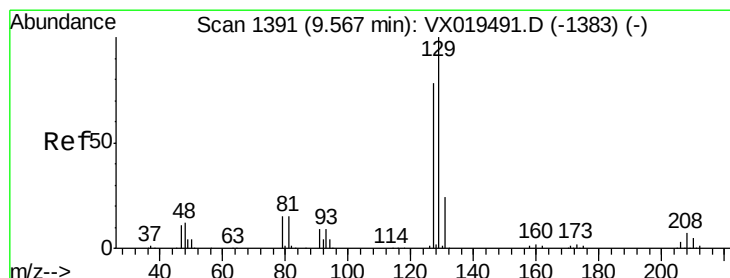
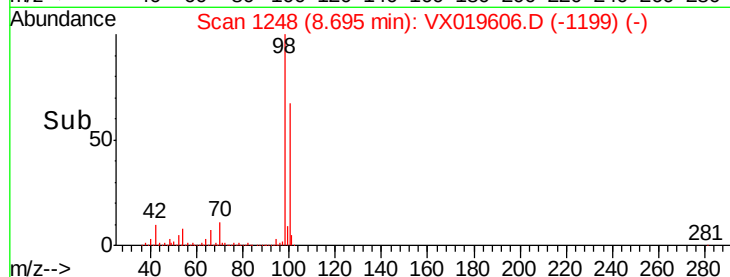
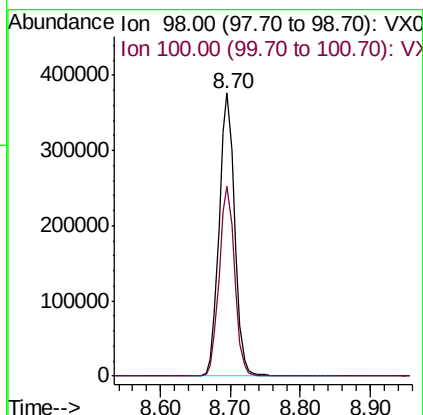
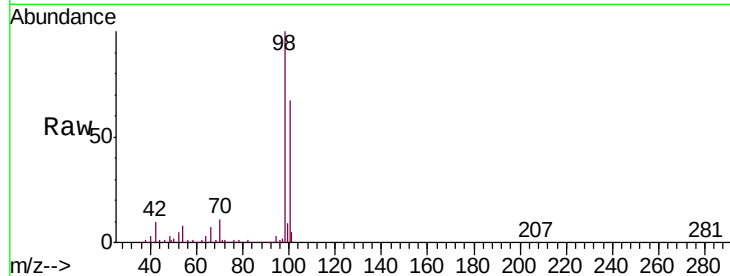




#50
Toluene-d8
Concen: 48.713 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019606.D
Acq: 24 Nov 2020 15:32

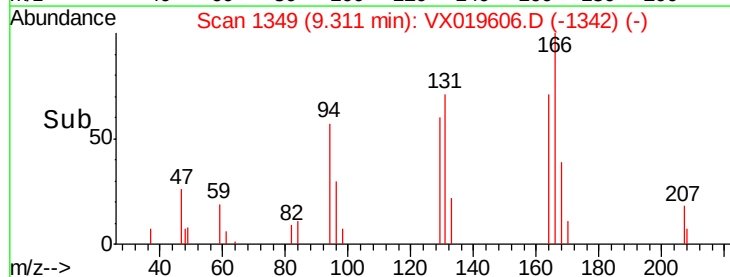
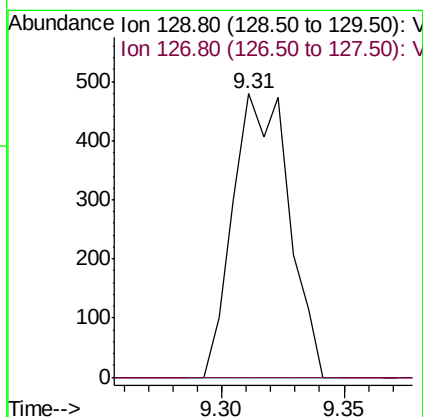
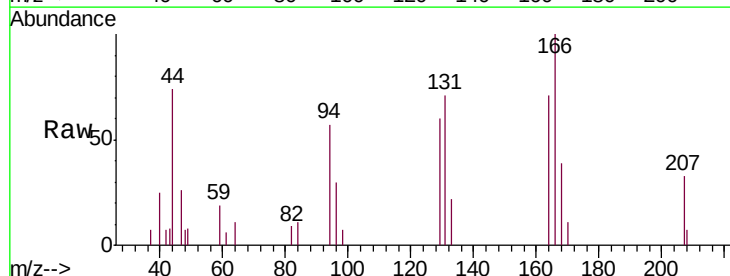
Instrument :
MSVOA_X
ClientSampleId :
B5-GW

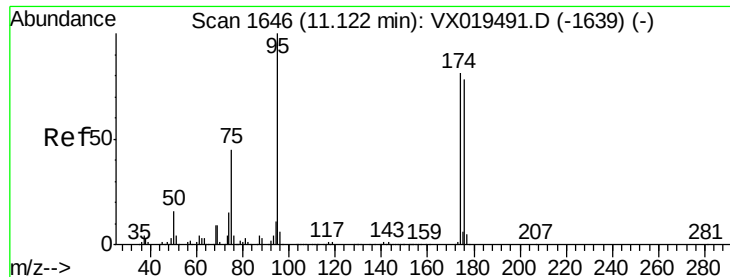
Tgt Ion: 98 Resp: 580765
Ion Ratio Lower Upper
98 100
100 66.9 52.4 78.6



#60
Dibromochloromethane
Concen: 0.221 ug/l
RT: 9.31 min Scan# 1349
Delta R.T. -0.26 min
Lab File: VX019606.D
Acq: 24 Nov 2020 15:32

Tgt Ion: 129 Resp: 761
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#

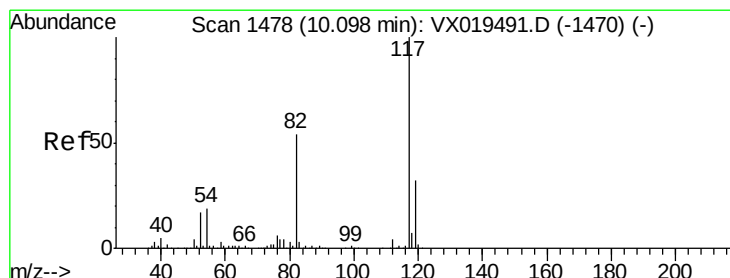
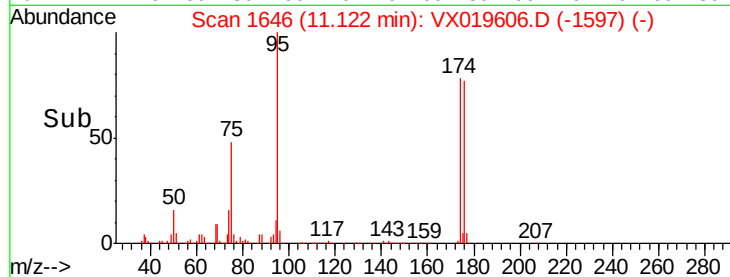
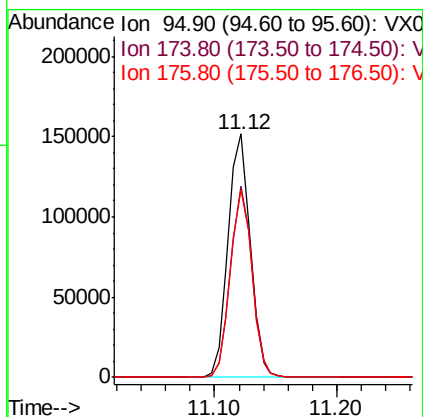
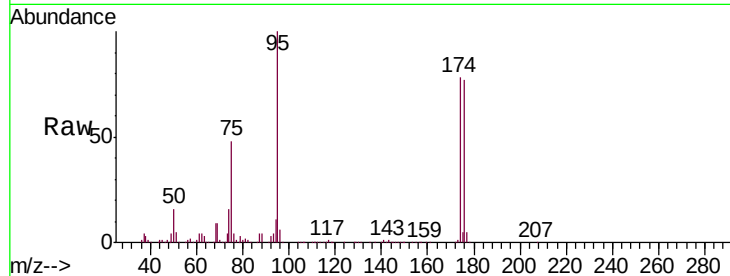




#62
4-Bromofluorobenzene
Concen: 44.187 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019606.D
Acq: 24 Nov 2020 15:32

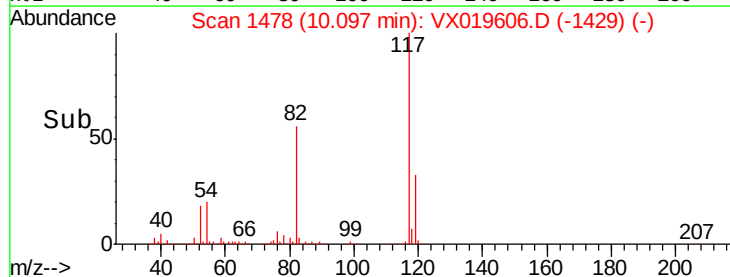
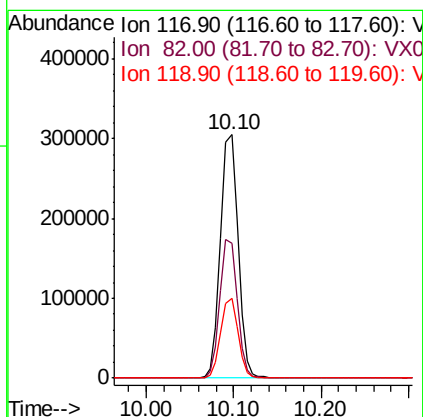
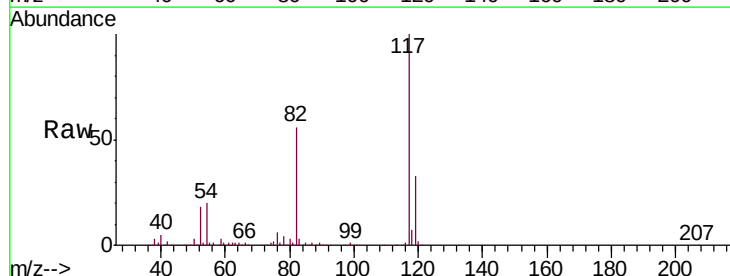
Instrument :
MSVOA_X
ClientSampled :
B5-GW

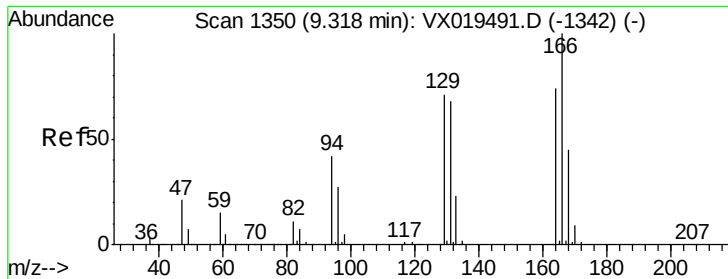
Tgt Ion: 95 Resp: 189540
Ion Ratio Lower Upper
95 100
174 76.9 0.0 156.2
176 75.7 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019606.D
Acq: 24 Nov 2020 15:32

Tgt Ion: 117 Resp: 427954
Ion Ratio Lower Upper
117 100
82 55.6 43.0 64.4
119 32.7 25.6 38.4





#64

Tetrachloroethene

Concen: 0.287 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX019606.D

Acq: 24 Nov 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

B5-GW

Tgt Ion:164 Resp: 965

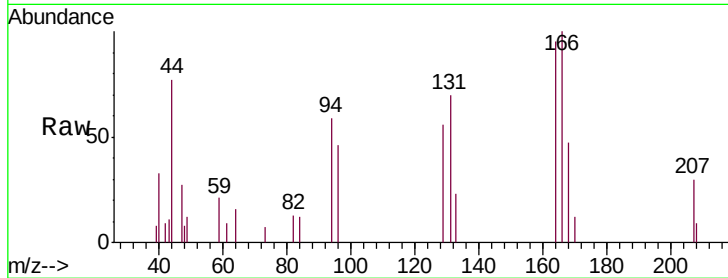
Ion Ratio Lower Upper

164 100

166 104.9 107.4 161.0#

129 58.4 76.6 114.8#

131 73.0 72.6 108.8

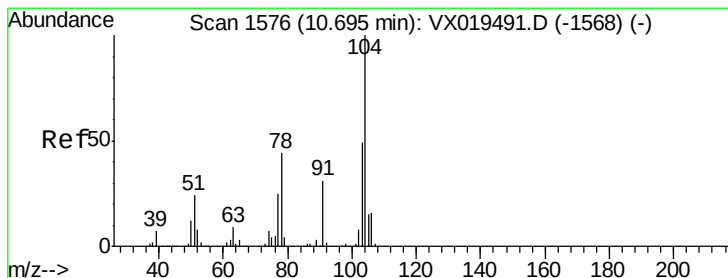
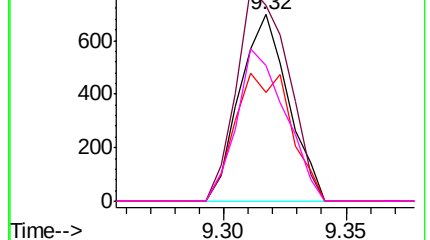
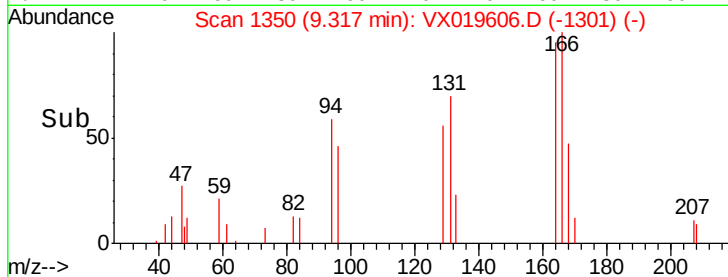


Abundance Ion 163.80 (163.50 to 164.50): V

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



#70

Styrene

Concen: 1.650 ug/l

RT: 10.70 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VX019606.D

Acq: 24 Nov 2020 15:32

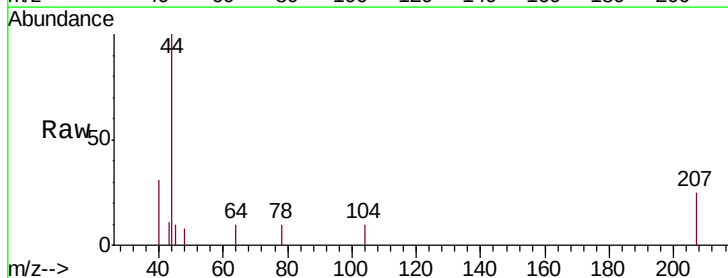
Tgt Ion:104 Resp: 46

Ion Ratio Lower Upper

104 100

78 145.7 39.5 59.3#

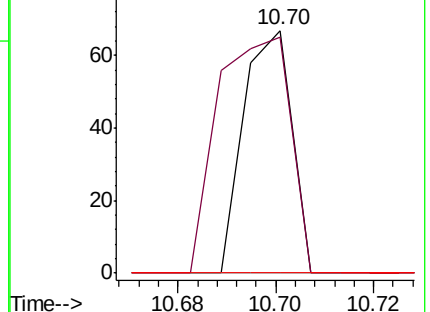
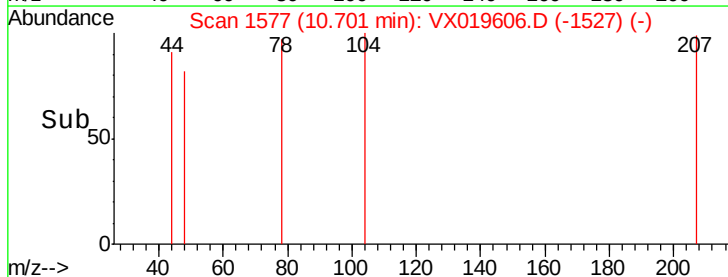
103 0.0 43.6 65.4#

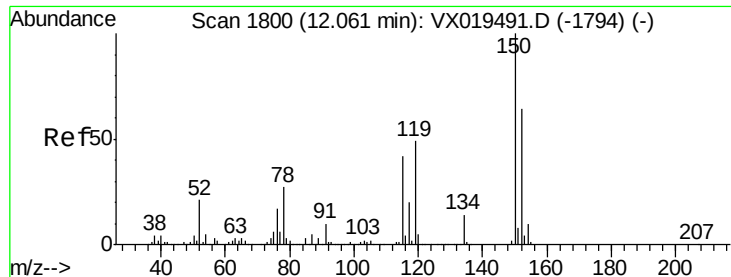


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V

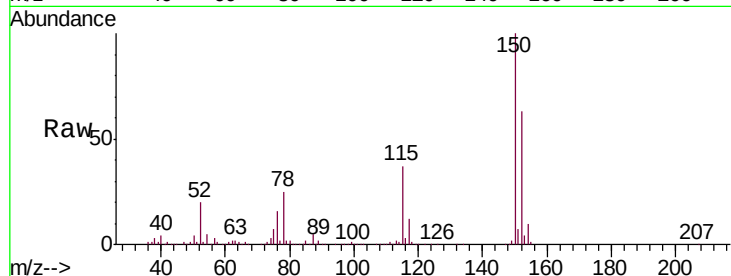




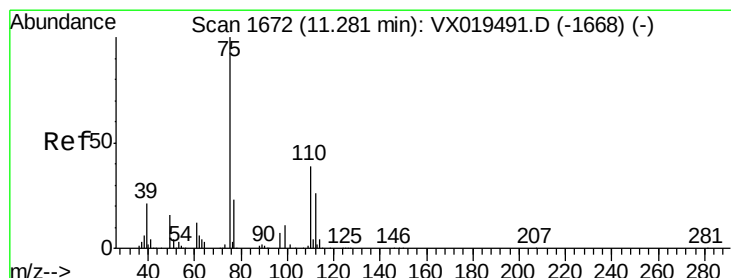
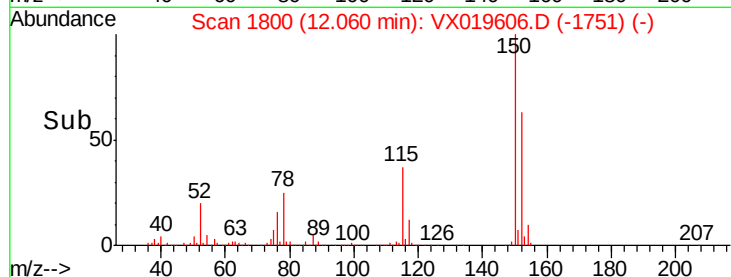
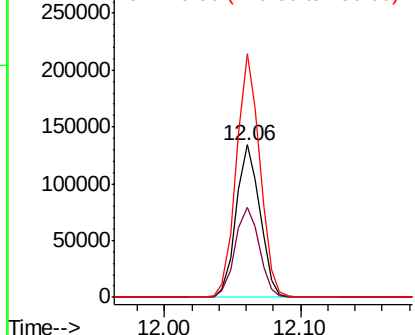
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.06 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VX019606.D
 Acq: 24 Nov 2020 15:32

Instrument :
 MSVOA_X
 ClientSampleId :
 B5-GW

Tgt Ion:152 Resp: 163724
 Ion Ratio Lower Upper
 152 100
 115 60.0 41.8 125.4
 150 157.1 0.0 348.2

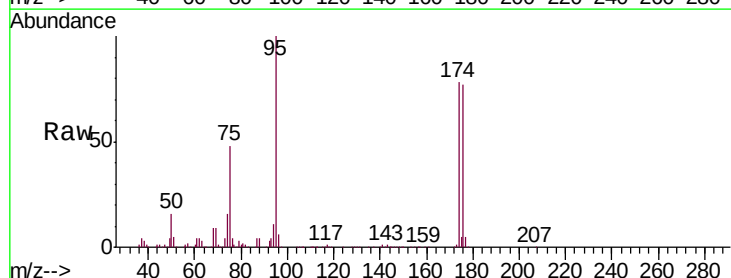


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

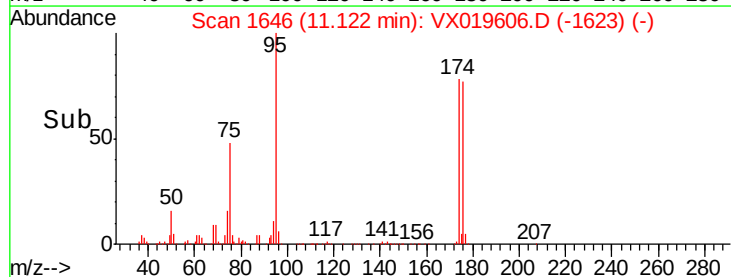
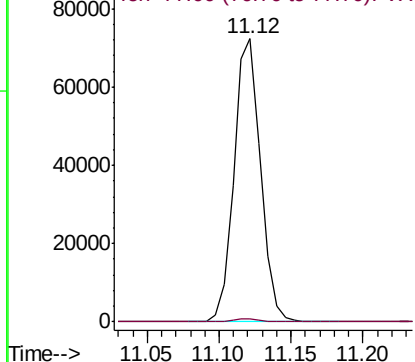


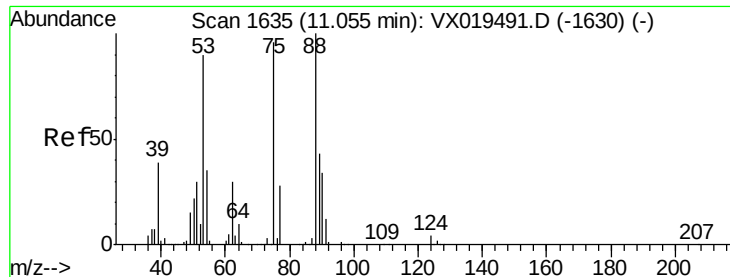
#76
 1,2,3-Trichloropropane
 Concen: 26.084 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX019606.D
 Acq: 24 Nov 2020 15:32

Tgt Ion: 75 Resp: 93198
 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: 68.719 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019606.D

Acq: 24 Nov 2020 15:32

Instrument :

MSVOA_X

ClientSampled :

B5-GW

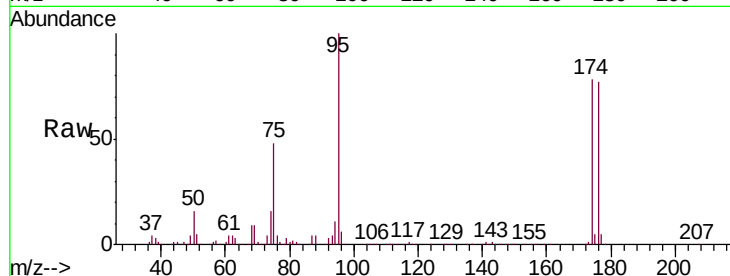
Tgt Ion: 75 Resp: 93198

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

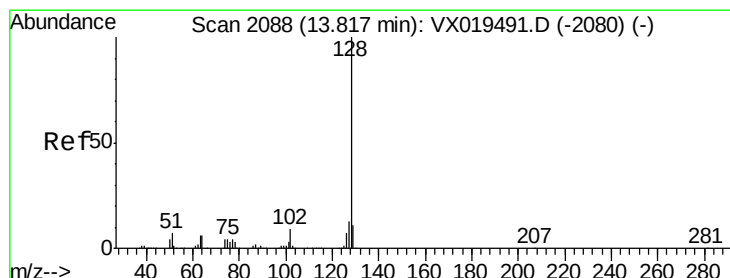
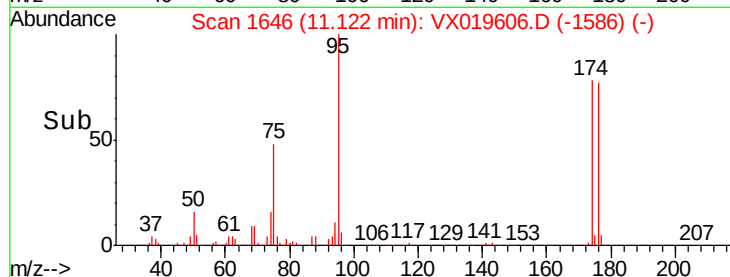
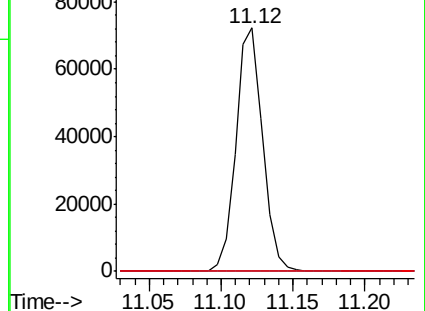
89 0.0 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VX019491.D (-1630) (-)

Ion 53.00 (52.70 to 53.70): VX019491.D (-1630) (-)

Ion 88.90 (88.60 to 89.60): VX019491.D (-1630) (-)



#95

Naphthalene

Concen: 2.373 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019606.D

Acq: 24 Nov 2020 15:32

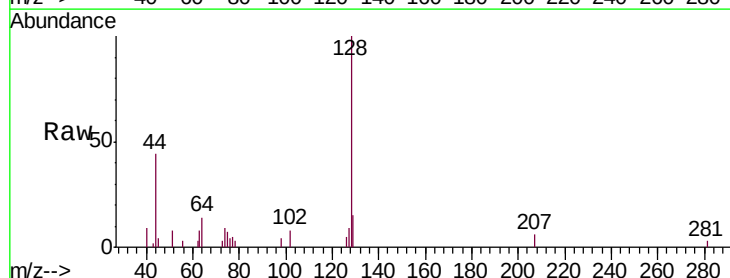
Tgt Ion: 128 Resp: 2460

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

129 12.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): VX019491.D (-2080) (-)

Ion 127.00 (126.70 to 127.70): VX019491.D (-2080) (-)

Ion 129.00 (128.70 to 129.70): VX019491.D (-2080) (-)

