

Data File : VX019604.D
Acq On : 24 Nov 2020 14:45
Operator : JC/MD
Sample : L4839-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B3-GW

Quant Time: Nov 25 04:02:18 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	294805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	486107	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	448739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	182025	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	183951	48.12	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.24%		
35) Dibromofluoromethane	5.46	113	145329	47.63	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.26%		
50) Toluene-d8	8.70	98	584299	49.28	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.56%		
62) 4-Bromofluorobenzene	11.12	95	203426	47.69	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.38%		

Target Compounds

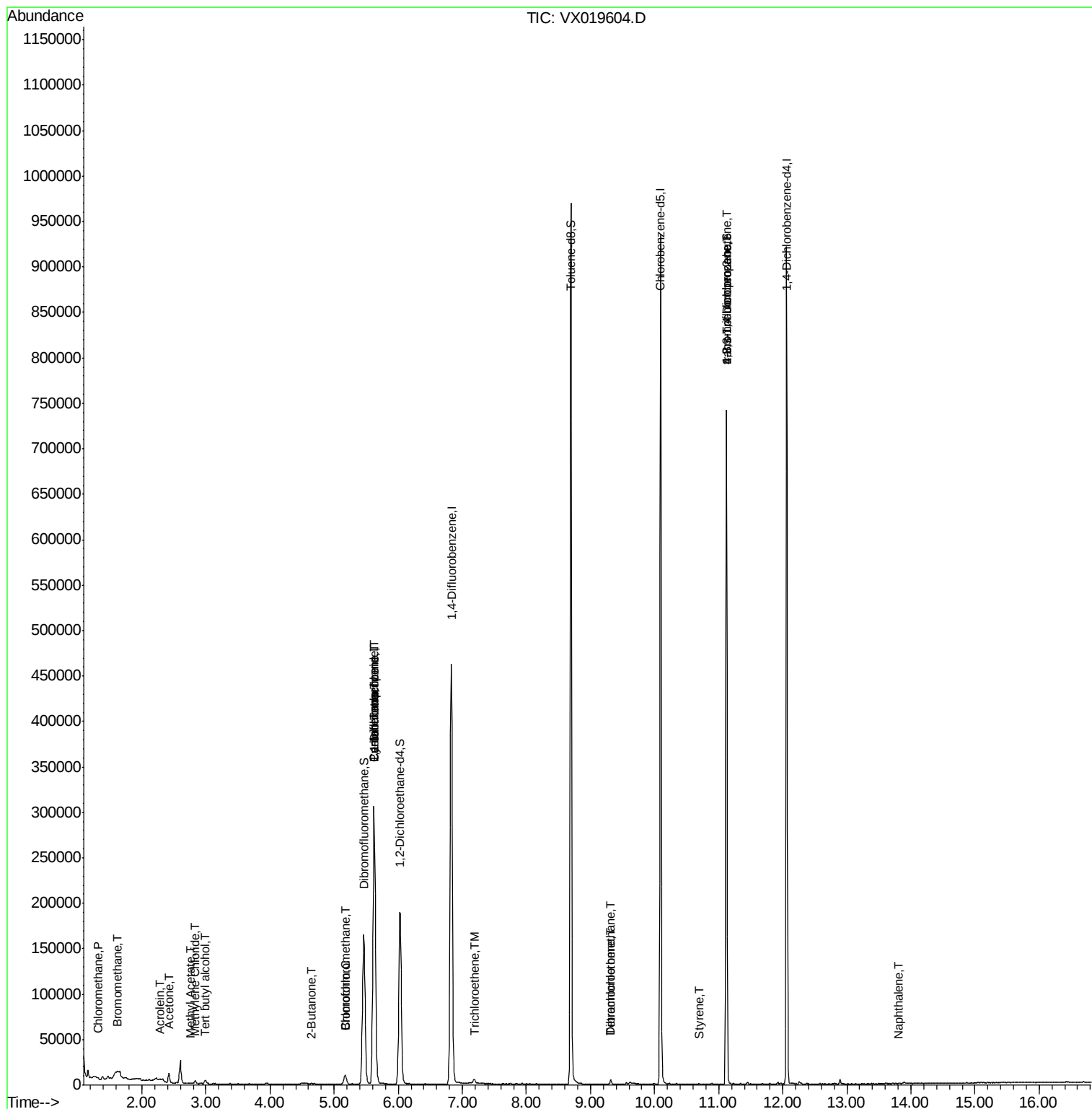
					Qvalue	
3) Chloromethane	1.31	50	754	0.229	ug/l	93
5) Bromomethane	1.62	94	666	0.497	ug/l #	76
6) Chloroethane	1.68	64	210	Below Cal	#	41
11) Tert butyl alcohol	3.00	59	2435	3.366	ug/l #	73
13) Acrolein	2.27	56	227	0.467	ug/l	90
16) Acetone	2.42	43	10326	6.986	ug/l	89
18) Methyl Acetate	2.75	43	695	0.824	ug/l #	74
20) Methylene Chloride	2.83	84	1487	0.402	ug/l	98
25) 2-Butanone	4.64	43	761	0.343	ug/l #	45
28) Bromochloromethane	5.17	49	1017	0.367	ug/l #	8
30) Chloroform	5.17	83	12341	2.034	ug/l	99
31) Cyclohexane	5.63	56	5695	1.146	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22292	4.892	ug/l #	50
38) Carbon Tetrachloride	5.62	117	28906	6.553	ug/l #	16
44) Trichloroethene	7.19	130	1012	0.276	ug/l	87
60) Dibromochloromethane	9.32	129	956	0.280	ug/l #	10
64) Tetrachloroethene	9.31	164	1018	0.289	ug/l #	88
70) Styrene	10.70	104	156	1.660	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	99223	24.978	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	99223	65.985	ug/l #	12
95) Naphthalene	13.82	128	363	2.204	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: VX019604.D

Acq: 24 Nov 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

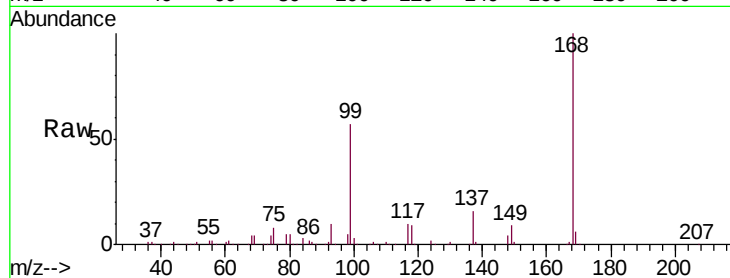
B3-GW

Tgt Ion:168 Resp: 294805

Ion Ratio Lower Upper

168 100

99 57.4 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

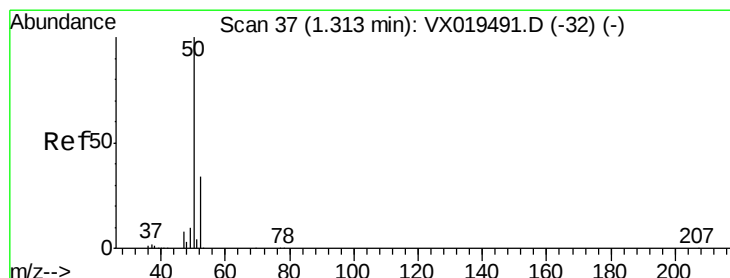
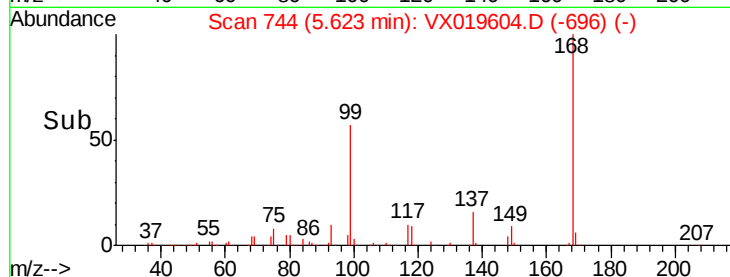
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.229 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019604.D

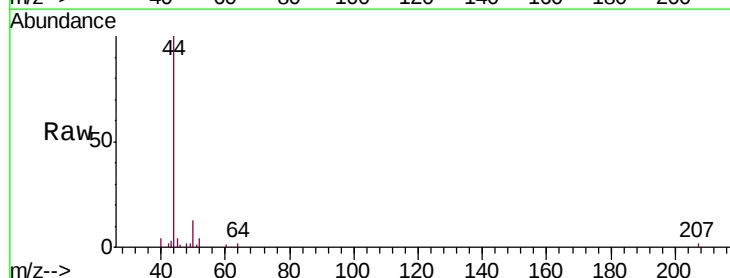
Acq: 24 Nov 2020 14:45

Tgt Ion: 50 Resp: 754

Ion Ratio Lower Upper

50 100

52 29.8 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

800

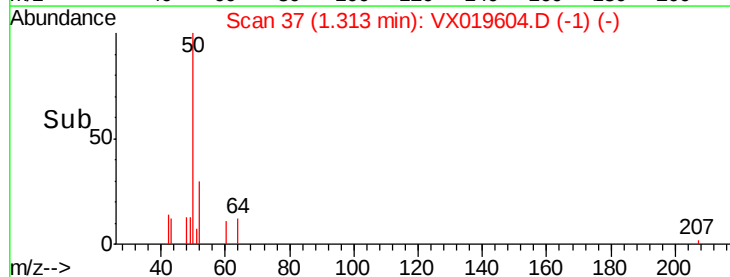
600

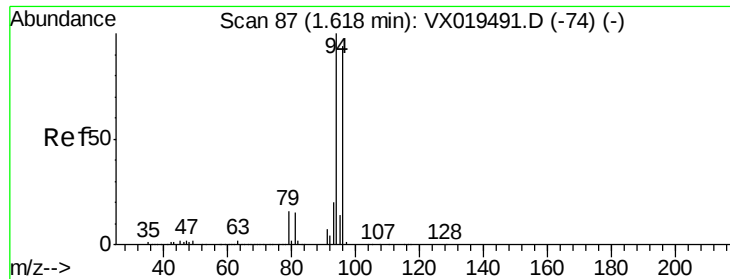
400

200

0

Time-->





#5

Bromomethane

Concen: 0.497 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019604.D

Acq: 24 Nov 2020 14:45

Instrument :

MSVOA_X

ClientSampled :

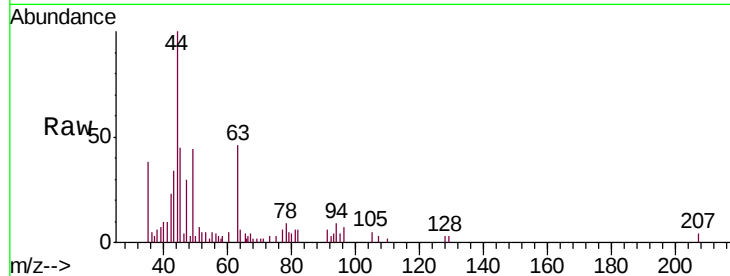
B3-GW

Tgt Ion: 94 Resp: 666

Ion Ratio Lower Upper

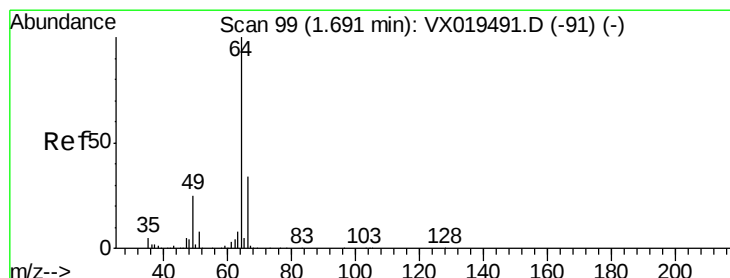
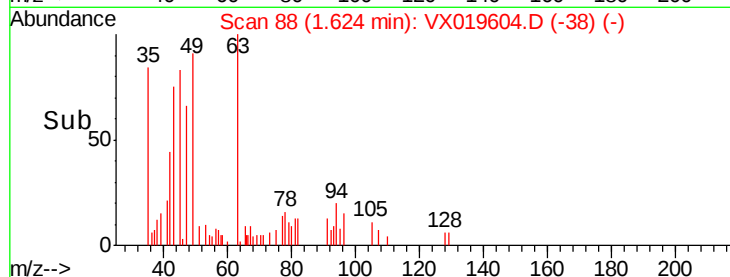
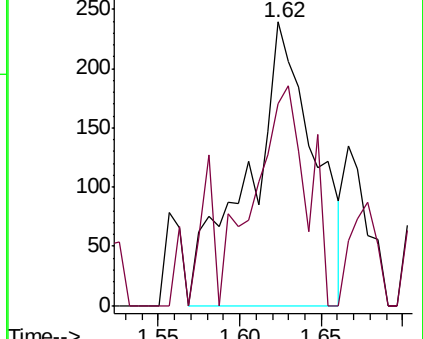
94 100

96 71.1 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 98

Delta R.T. -0.01 min

Lab File: VX019604.D

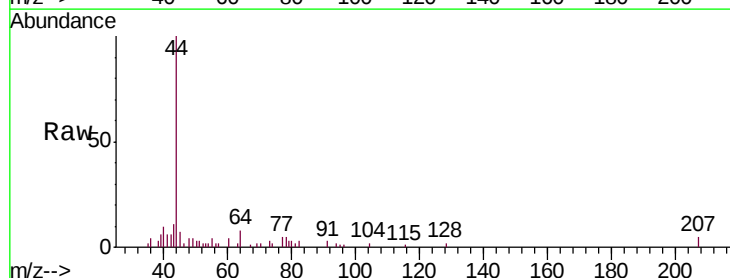
Acq: 24 Nov 2020 14:45

Tgt Ion: 64 Resp: 210

Ion Ratio Lower Upper

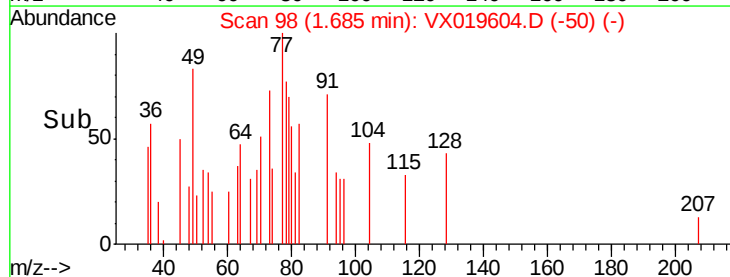
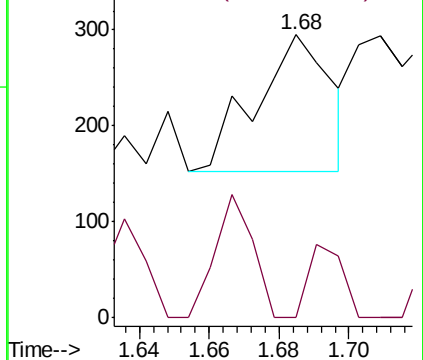
64 100

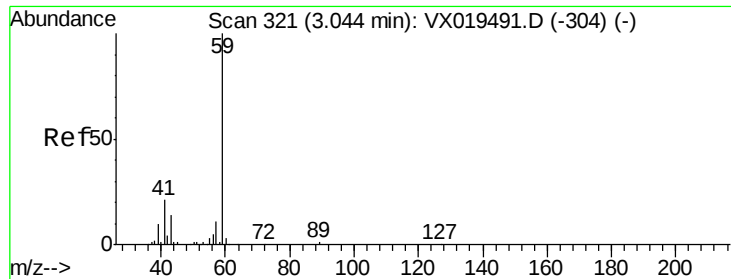
66 0.0 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

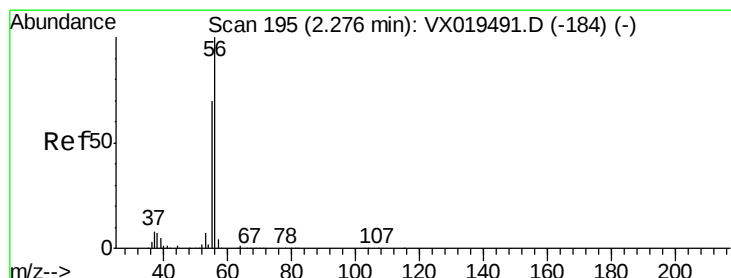
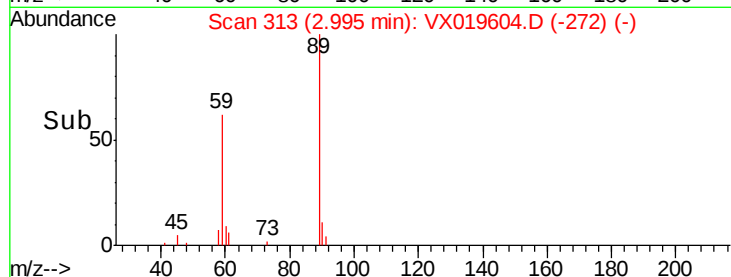
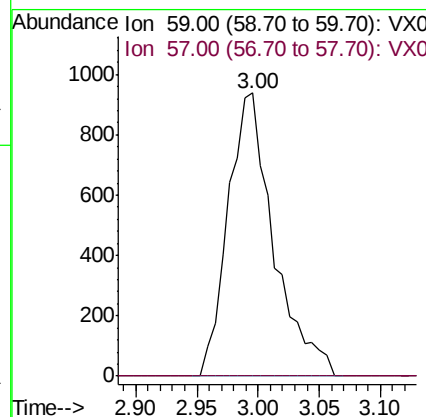
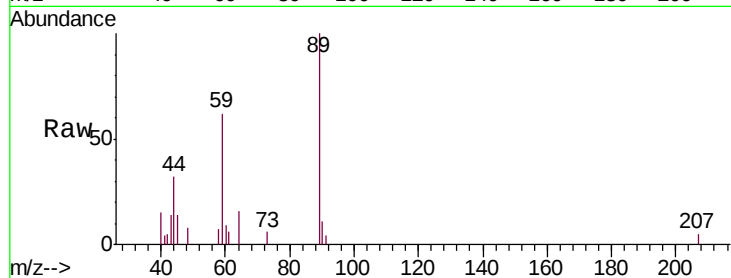




#11
Tert butyl alcohol
Concen: 3.366 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.05 min
Lab File: VX019604.D
Acq: 24 Nov 2020 14:45

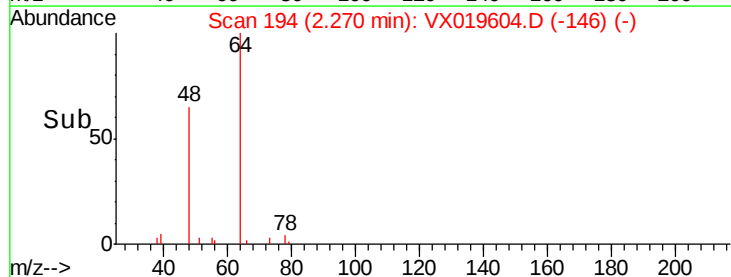
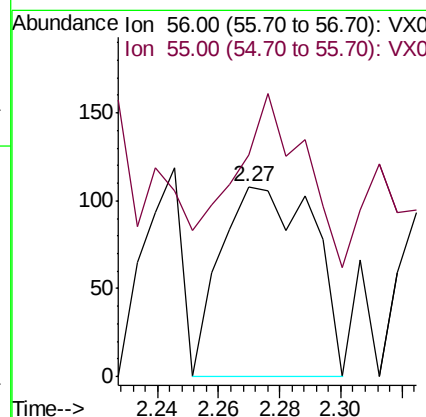
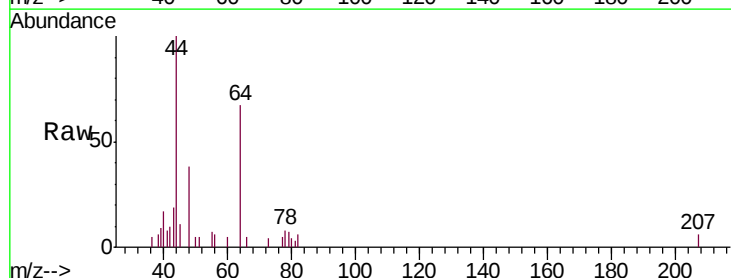
Instrument :
MSVOA_X
ClientSampled :
B3-GW

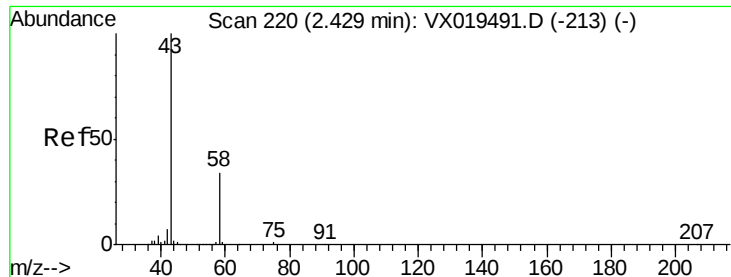
Tgt Ion: 59 Resp: 2435
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#13
Acrolein
Concen: 0.467 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX019604.D
Acq: 24 Nov 2020 14:45

Tgt Ion: 56 Resp: 227
Ion Ratio Lower Upper
56 100
55 61.2 55.5 83.3





#16

Acetone

Concen: 6.986 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019604.D

Acq: 24 Nov 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

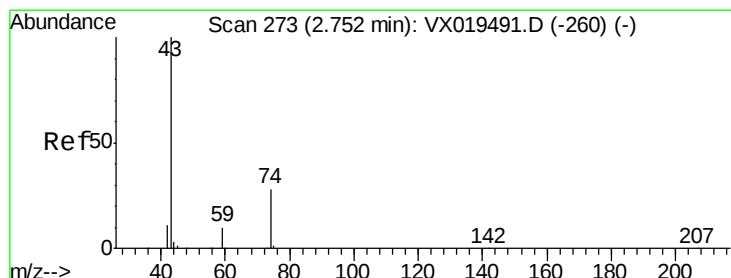
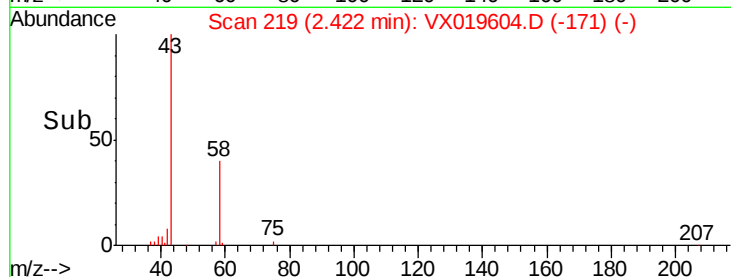
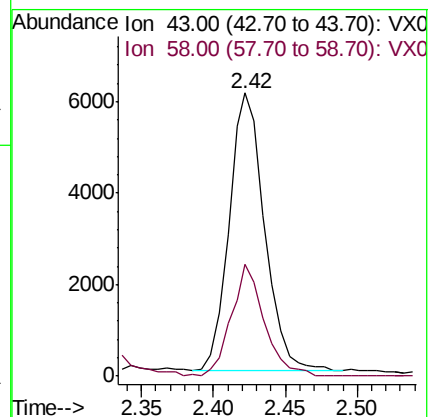
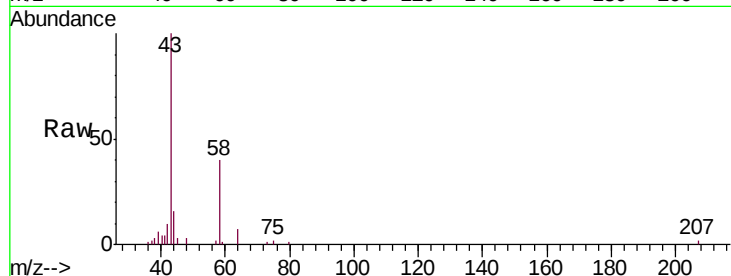
B3-GW

Tgt Ion: 43 Resp: 10326

Ion Ratio Lower Upper

43 100

58 40.5 27.4 41.2



#18

Methyl Acetate

Concen: 0.824 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX019604.D

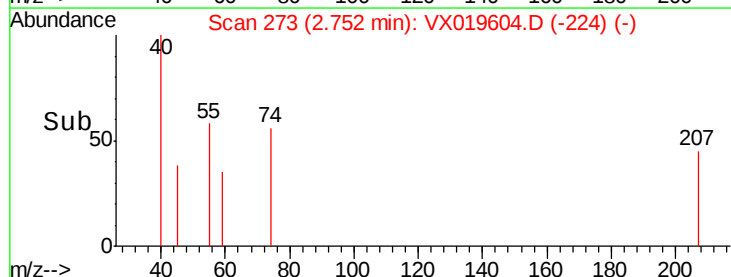
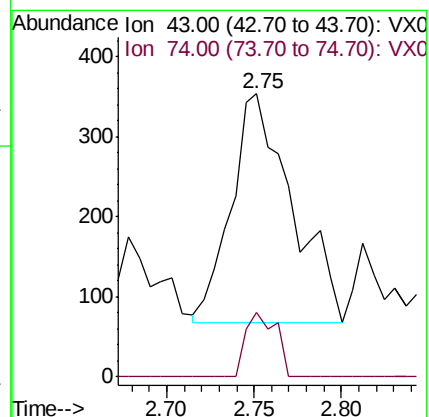
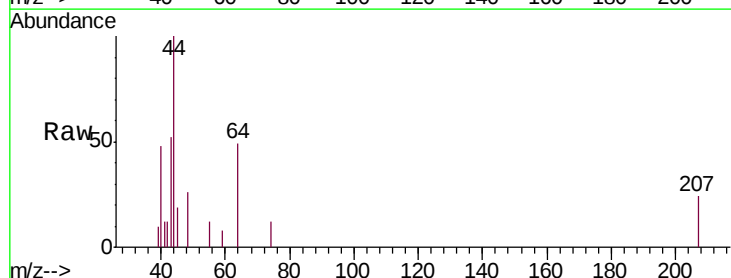
Acq: 24 Nov 2020 14:45

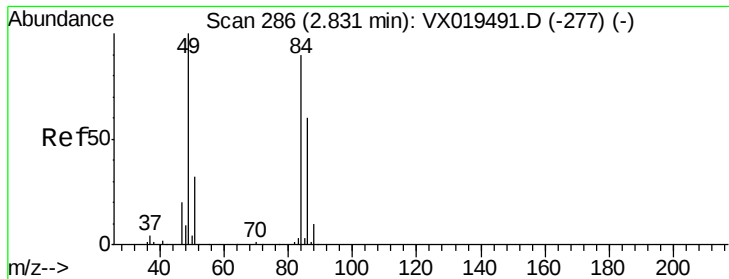
Tgt Ion: 43 Resp: 695

Ion Ratio Lower Upper

43 100

74 14.0 22.2 33.4#

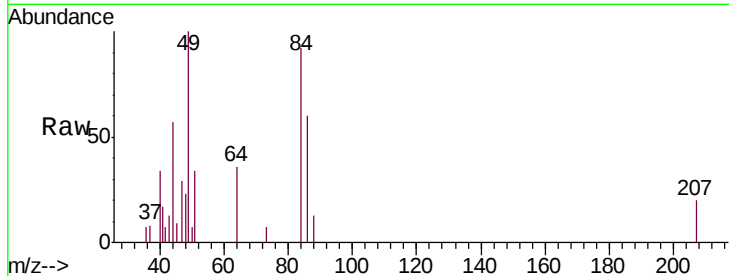




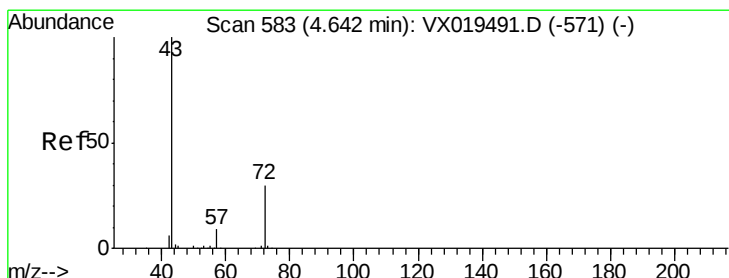
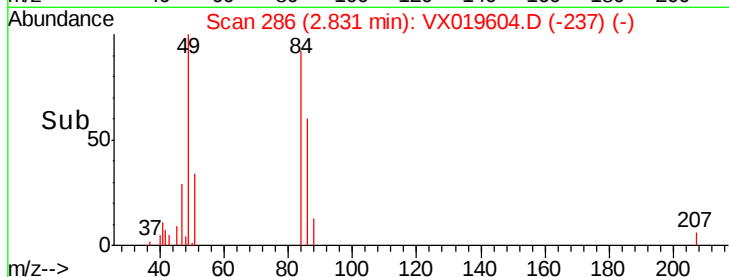
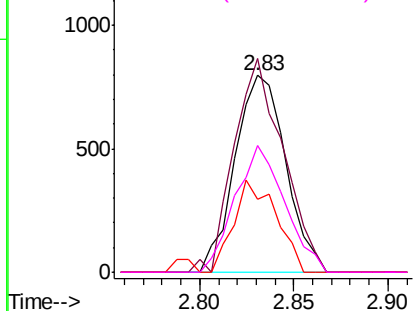
#20
Methylene Chloride
Concen: 0.402 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019604.D
Acq: 24 Nov 2020 14:45

Instrument :
MSVOA_X
ClientSampled :
B3-GW

Tgt Ion:	84	Resp:	1487
Ion	Ratio	Lower	Upper
84	100		
49	108.5	88.5	132.7
51	37.0	28.0	42.0
86	64.6	53.0	79.4

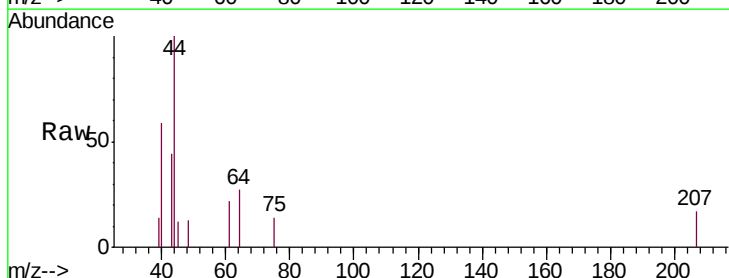


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

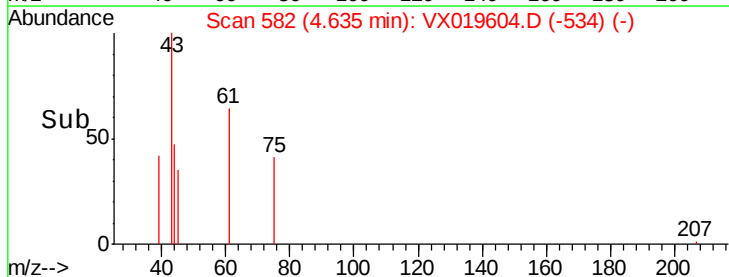
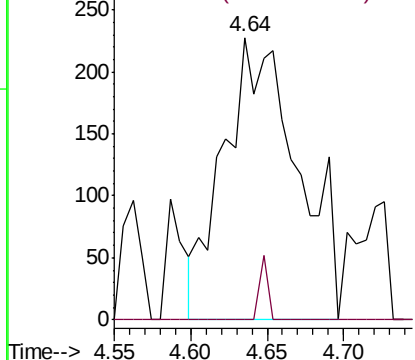


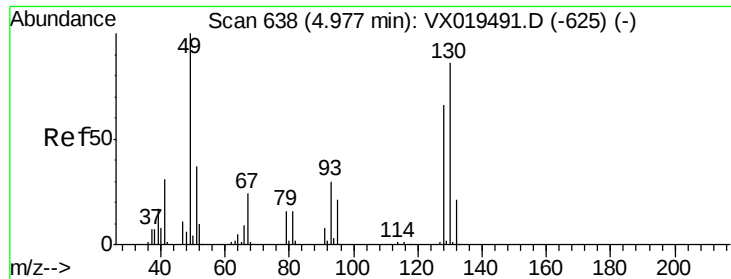
#25
2-Butanone
Concen: 0.343 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX019604.D
Acq: 24 Nov 2020 14:45

Tgt Ion:	43	Resp:	761
Ion	Ratio	Lower	Upper
43	100		
72	0.0	24.0	36.0#



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





#28

Bromochloromethane

Concen: 0.367 ug/l

RT: 5.17 min Scan# 670

Delta R.T. 0.19 min

Lab File: VX019604.D

Acq: 24 Nov 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

B3-GW

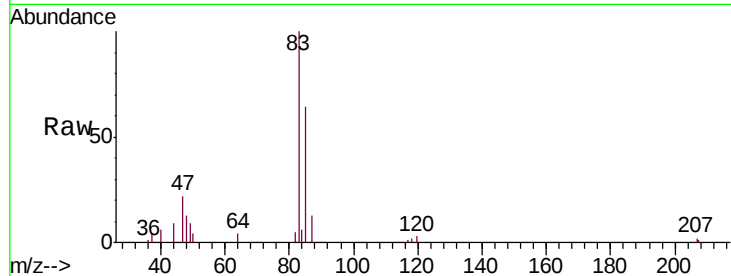
Tgt Ion: 49 Resp: 1017

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

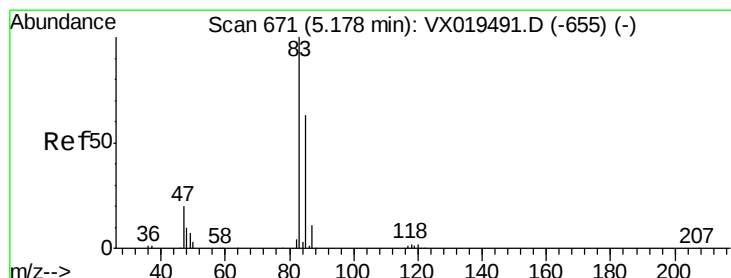
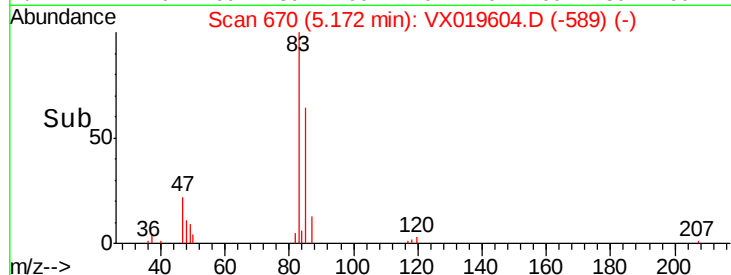
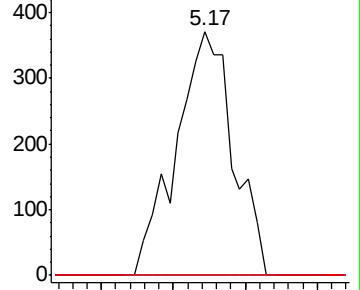
130 0.0 69.0 103.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 2.034 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX019604.D

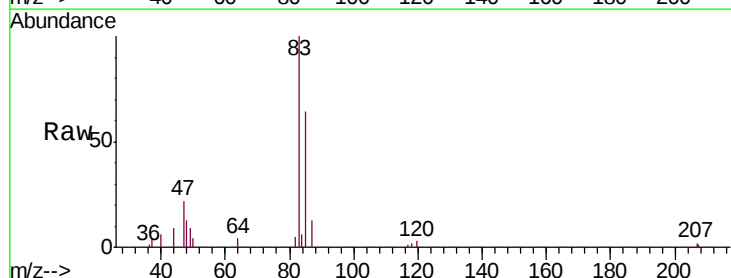
Acq: 24 Nov 2020 14:45

Tgt Ion: 83 Resp: 12341

Ion Ratio Lower Upper

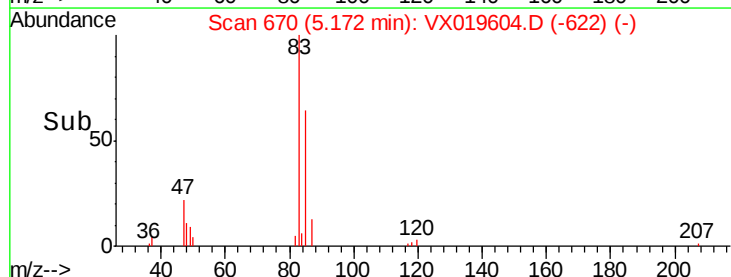
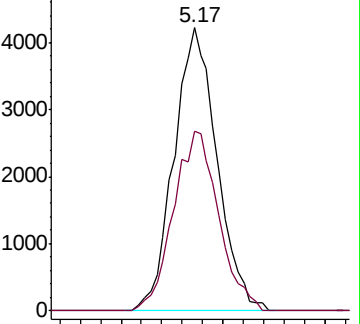
83 100

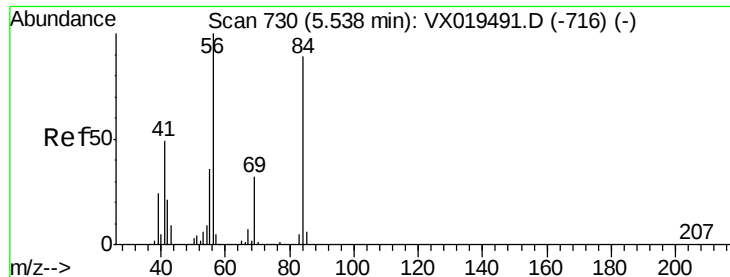
85 63.5 50.5 75.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

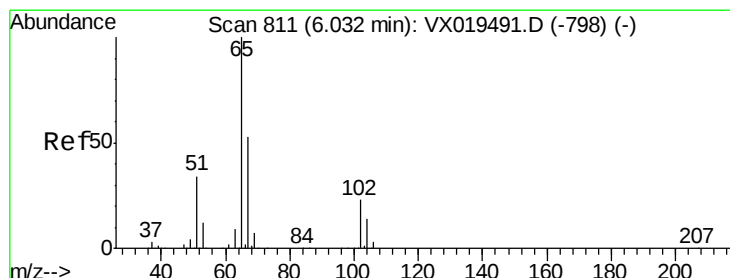
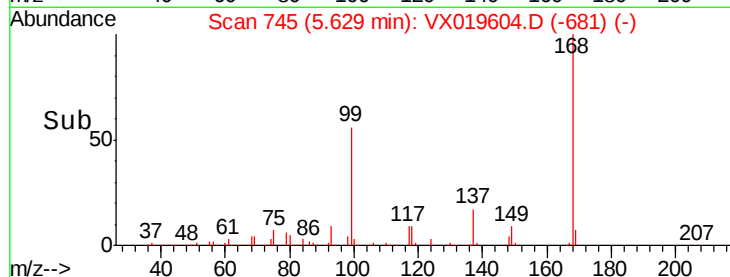
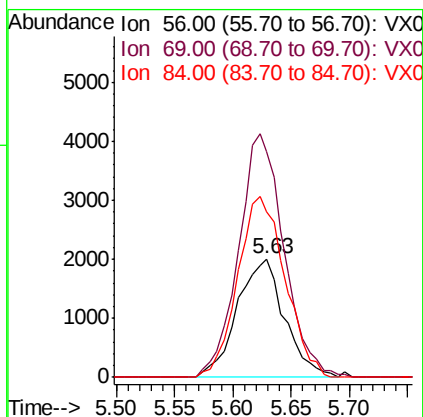
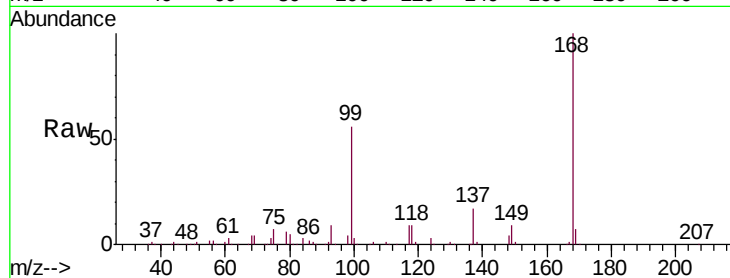




#31
Cyclohexane
Concen: 1.146 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019604.D
Acq: 24 Nov 2020 14:45

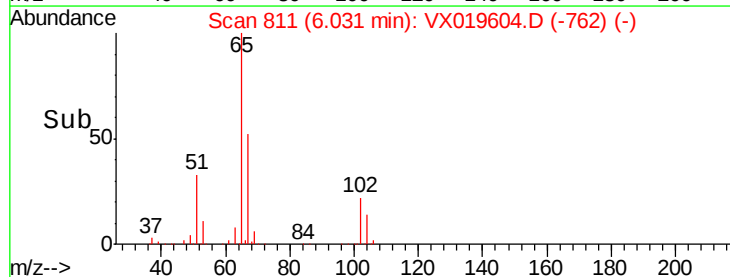
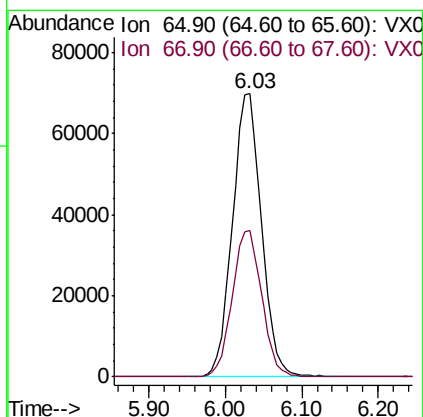
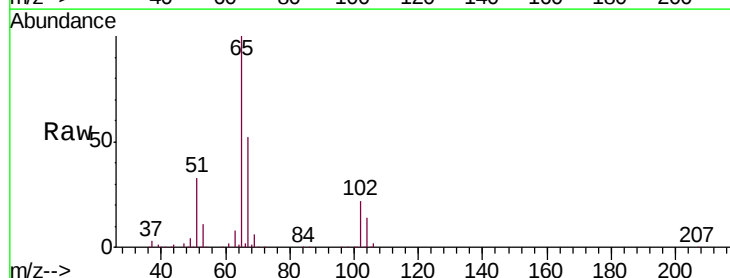
Instrument :
MSVOA_X
ClientSampleId :
B3-GW

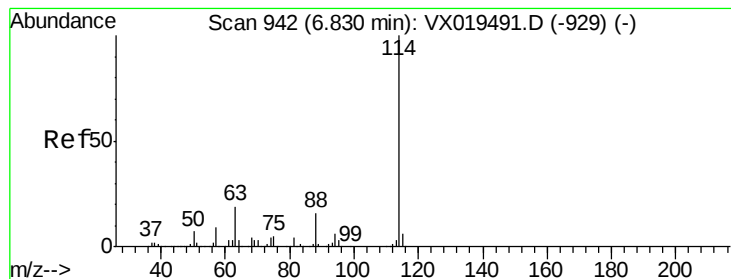
Tgt Ion: 56 Resp: 5695
Ion Ratio Lower Upper
56 100
69 190.2 25.5 38.3#
84 139.5 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 48.125 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019604.D
Acq: 24 Nov 2020 14:45

Tgt Ion: 65 Resp: 183951
Ion Ratio Lower Upper
65 100
67 52.4 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: VX019604.D

Acq: 24 Nov 2020 14:45

Instrument :

MSVOA_X

ClientSampled :

B3-GW

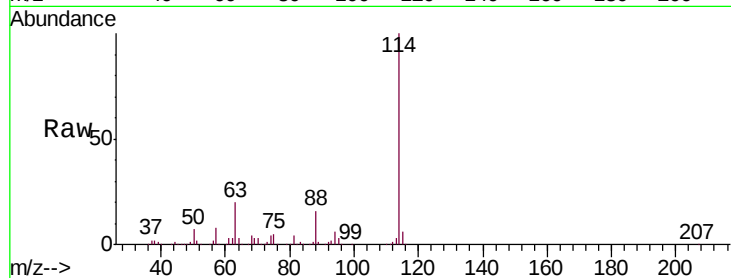
Tgt Ion:114 Resp: 486107

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.8

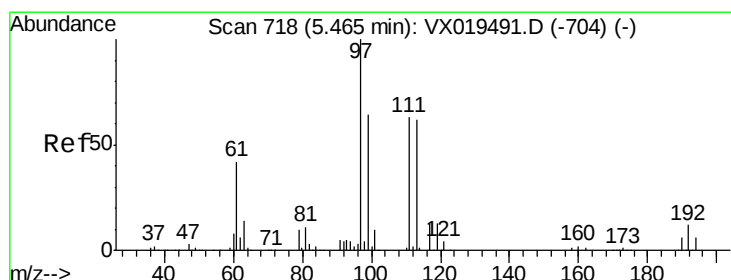
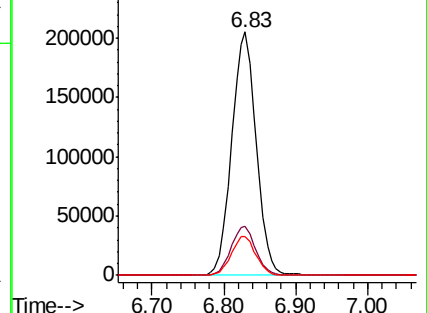
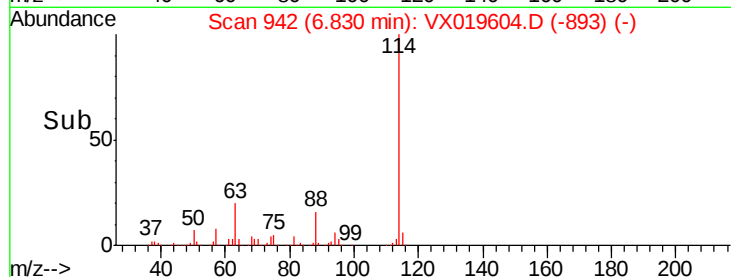
88 16.2 0.0 31.6



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: 47.629 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019604.D

Acq: 24 Nov 2020 14:45

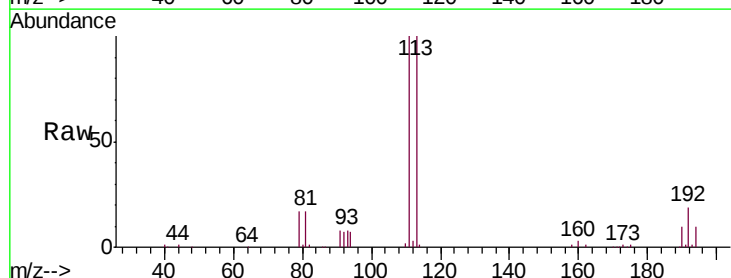
Tgt Ion:113 Resp: 145329

Ion Ratio Lower Upper

113 100

111 102.8 81.5 122.3

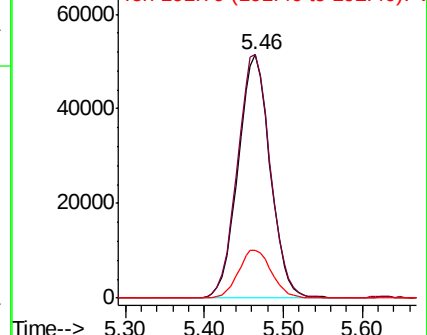
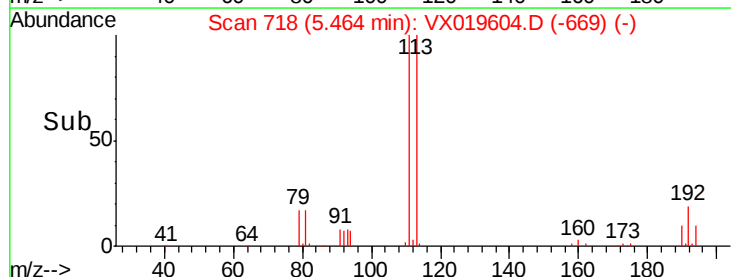
192 20.4 16.2 24.2

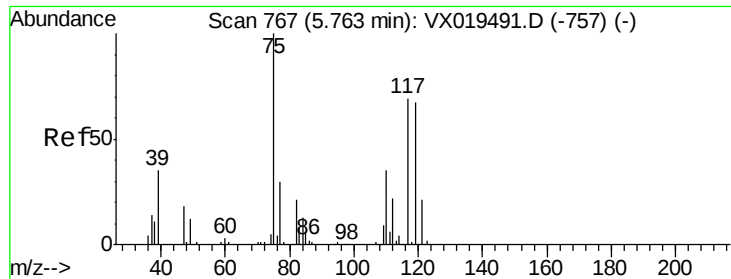


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.892 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019604.D

Acq: 24 Nov 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

B3-GW

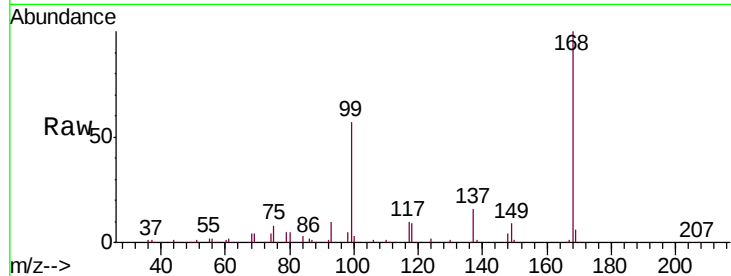
Tgt Ion: 75 Resp: 22292

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.3#

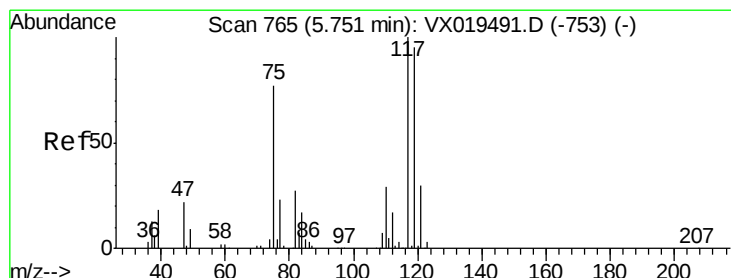
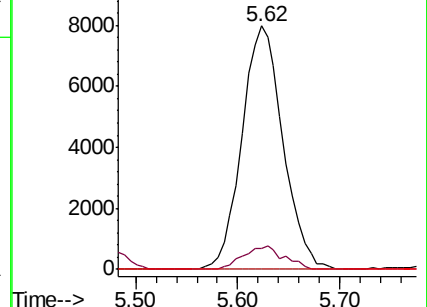
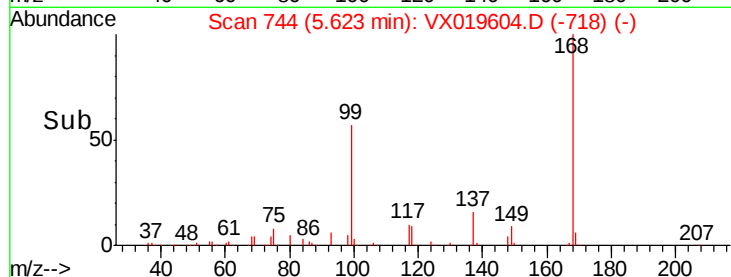
77 0.0 24.2 36.4#



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: 6.553 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019604.D

Acq: 24 Nov 2020 14:45

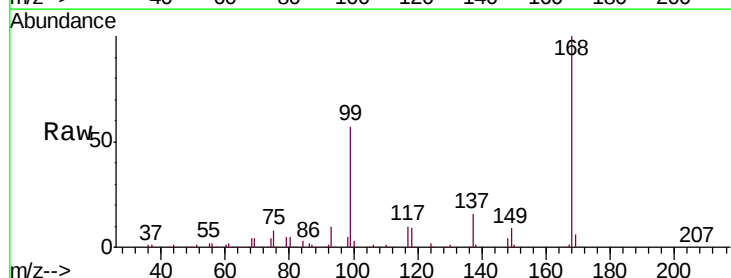
Tgt Ion: 117 Resp: 28906

Ion Ratio Lower Upper

117 100

119 4.9 75.9 113.9#

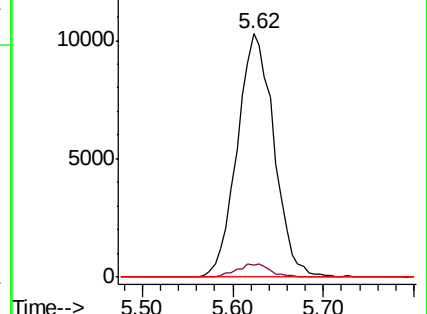
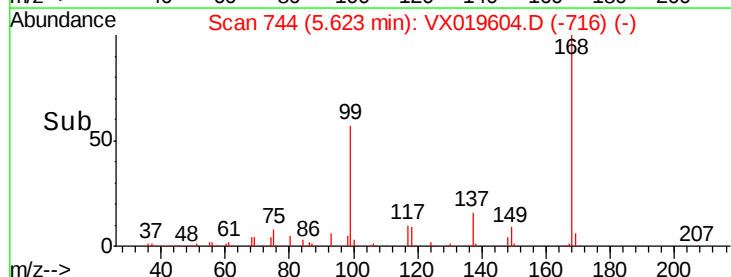
121 0.0 24.0 36.0#

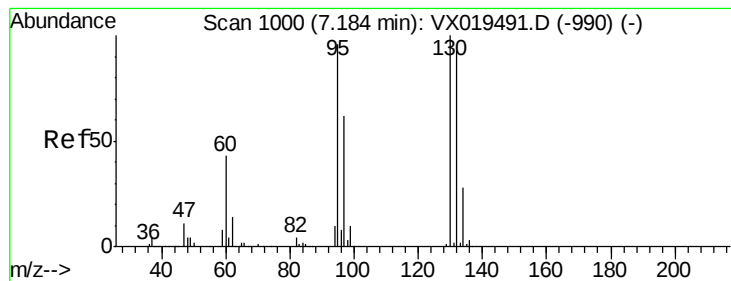


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.276 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019604.D

Acq: 24 Nov 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

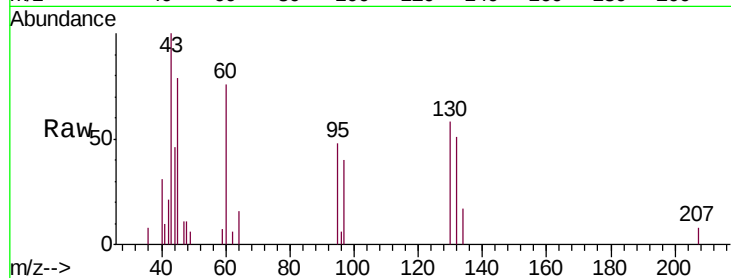
B3-GW

Tgt Ion:130 Resp: 1012

Ion Ratio Lower Upper

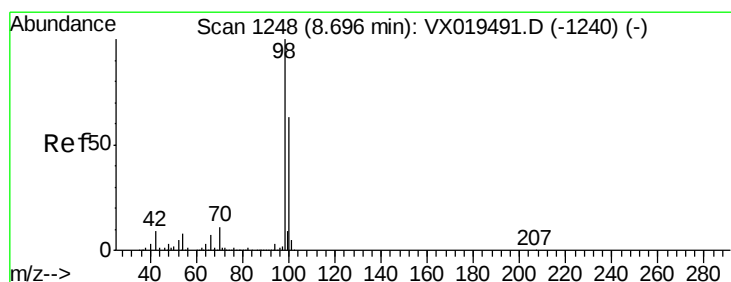
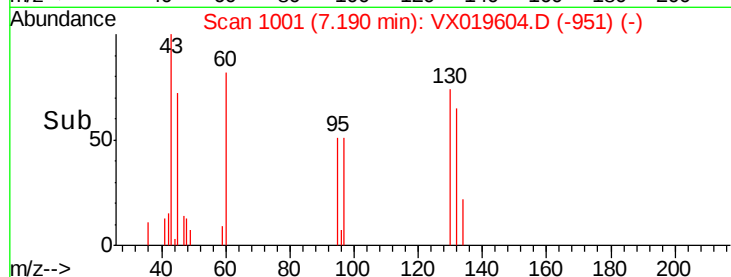
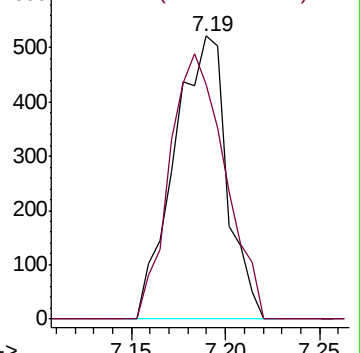
130 100

95 82.8 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: 49.279 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019604.D

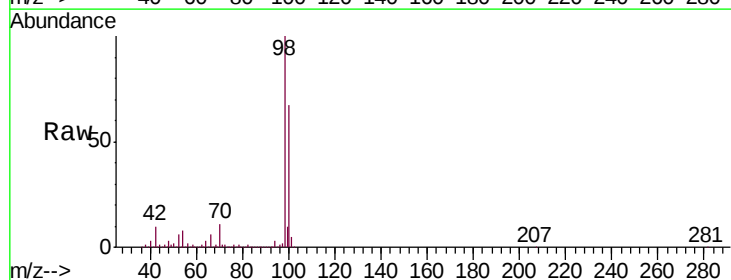
Acq: 24 Nov 2020 14:45

Tgt Ion: 98 Resp: 584299

Ion Ratio Lower Upper

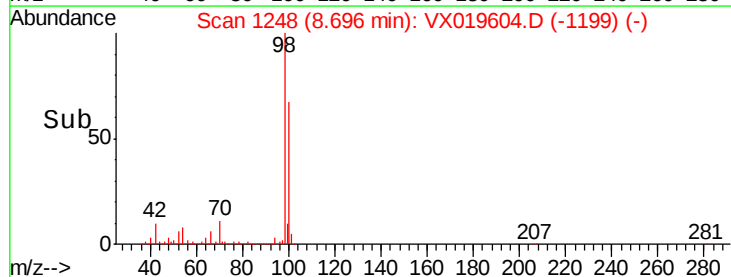
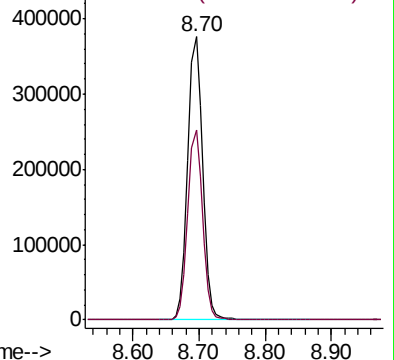
98 100

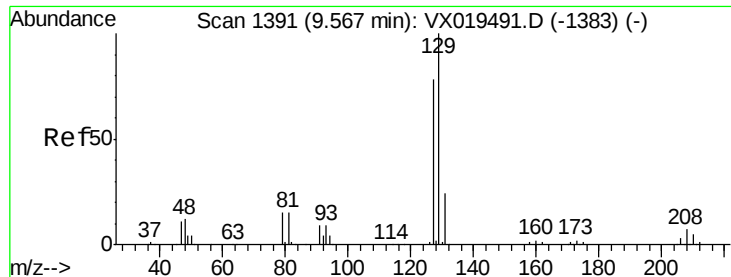
100 66.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.280 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX019604.D

Acq: 24 Nov 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

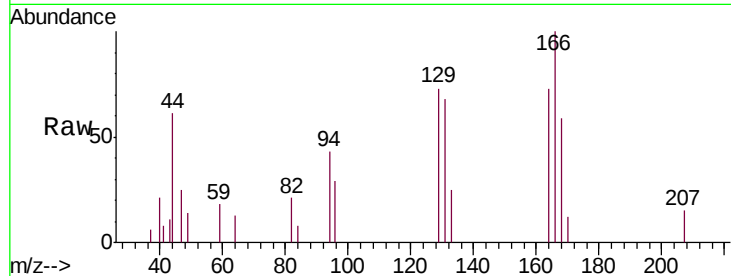
B3-GW

Tgt Ion:129 Resp: 956

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

600

400

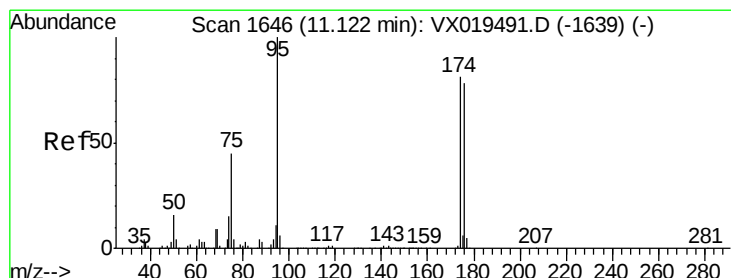
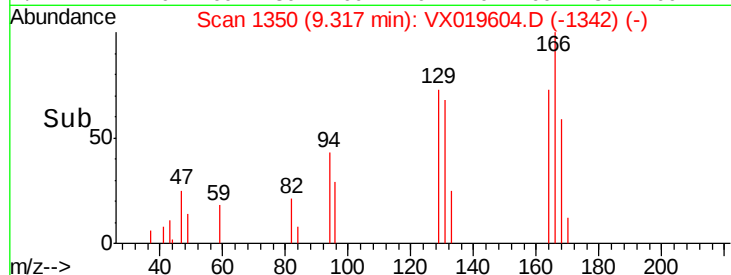
200

0

9.32

9.35

Time-->



#62

4-Bromofluorobenzene

Concen: 47.685 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019604.D

Acq: 24 Nov 2020 14:45

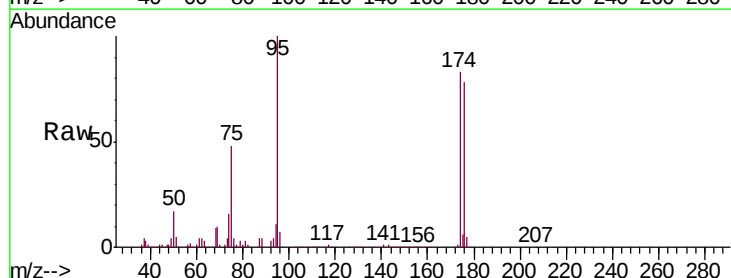
Tgt Ion: 95 Resp: 203426

Ion Ratio Lower Upper

95 100

174 78.0 0.0 156.2

176 74.3 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

100000

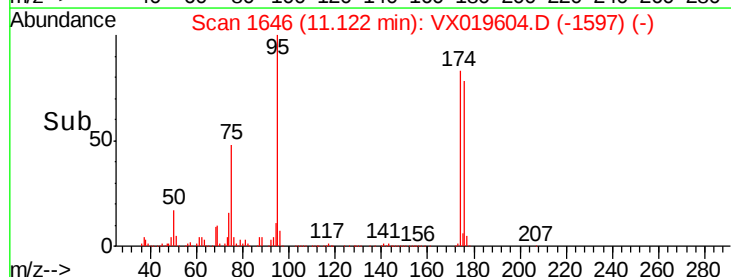
50000

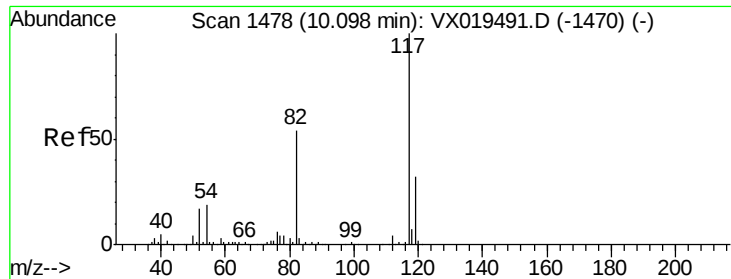
0

11.12

11.20

Time-->

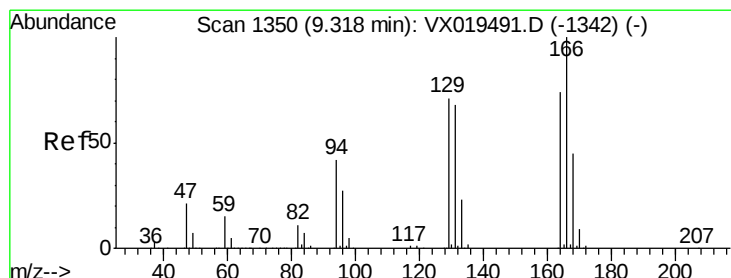
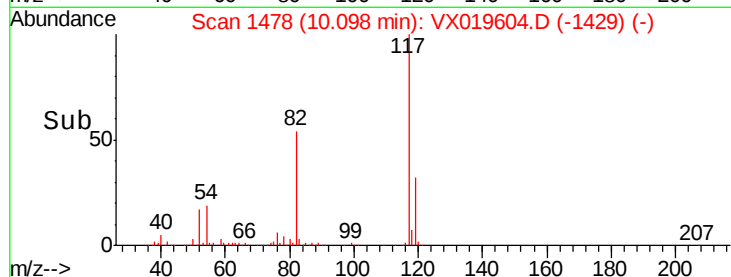
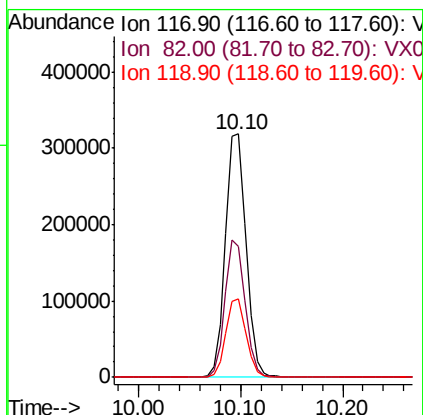
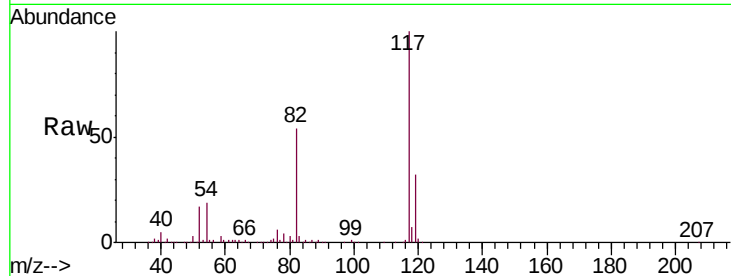




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019604.D
Acq: 24 Nov 2020 14:45

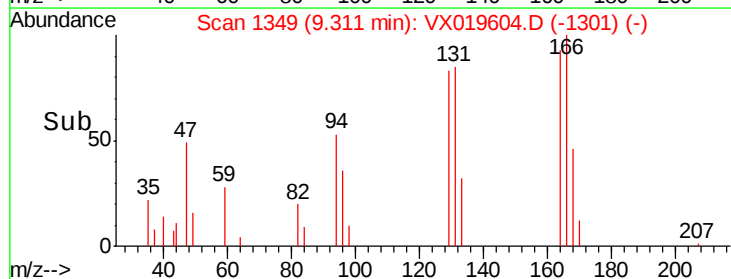
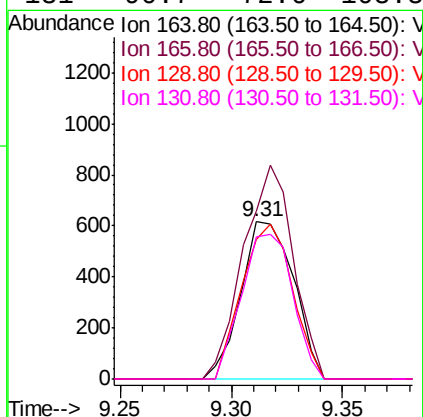
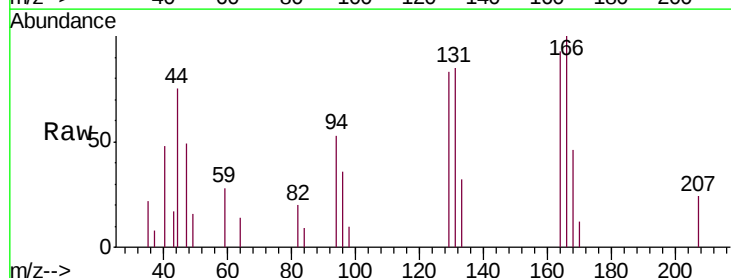
Instrument :
MSVOA_X
ClientSampleId :
B3-GW

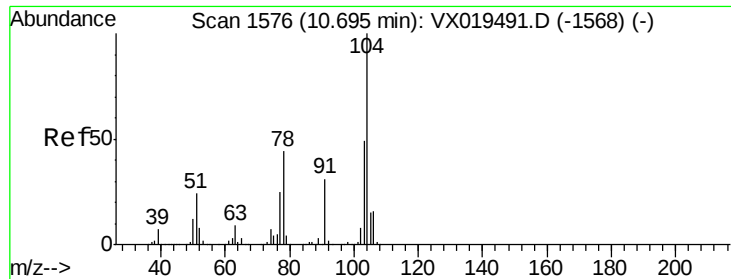
Tgt Ion:117 Resp: 448739
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 32.1 25.6 38.4



#64
Tetrachloroethene
Concen: 0.289 ug/l
RT: 9.31 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VX019604.D
Acq: 24 Nov 2020 14:45

Tgt Ion:164 Resp: 1018
Ion Ratio Lower Upper
164 100
166 107.2 107.4 161.0#
129 88.9 76.6 114.8
131 90.7 72.6 108.8





#70

Styrene

Concen: 1.660 ug/l

RT: 10.70 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VX019604.D

Acq: 24 Nov 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

B3-GW

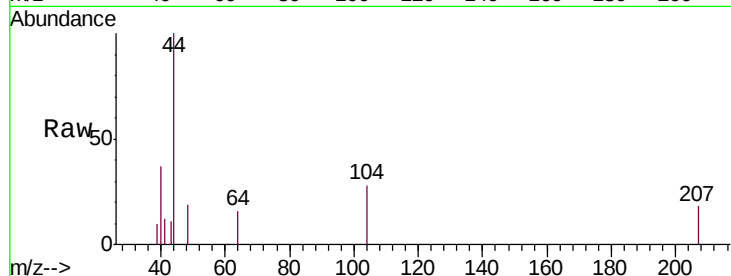
Tgt Ion:104 Resp: 156

Ion Ratio Lower Upper

104 100

78 0.0 39.5 59.3#

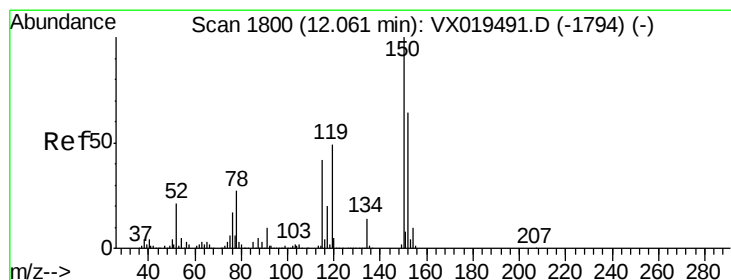
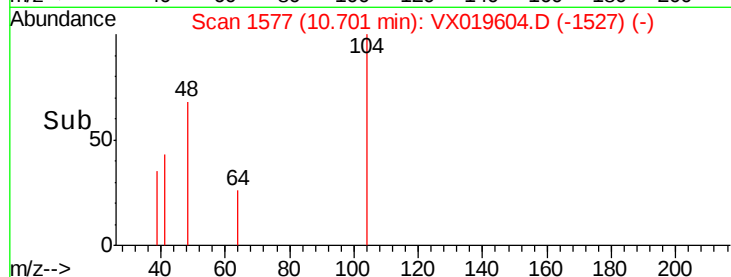
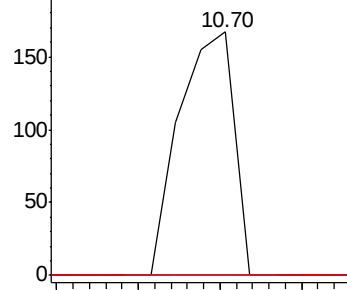
103 0.0 43.6 65.4#



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: VX019604.D

Acq: 24 Nov 2020 14:45

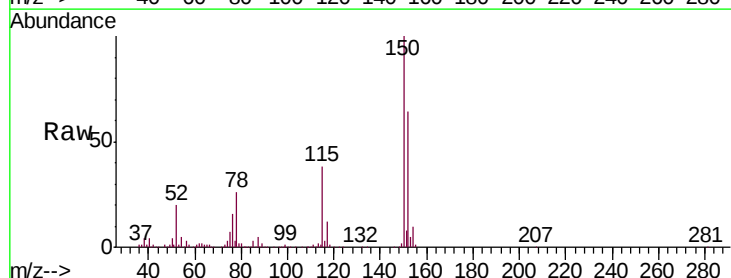
Tgt Ion:152 Resp: 182025

Ion Ratio Lower Upper

152 100

115 59.8 41.8 125.4

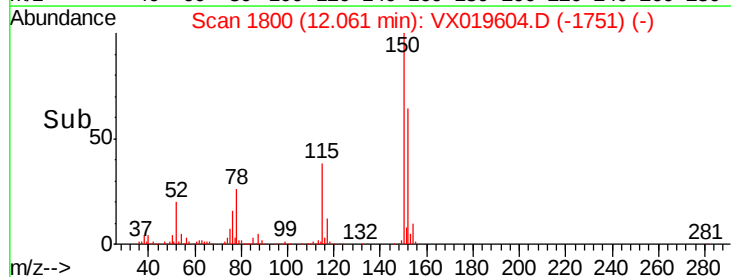
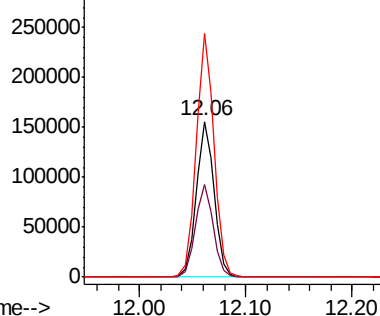
150 156.6 0.0 348.2

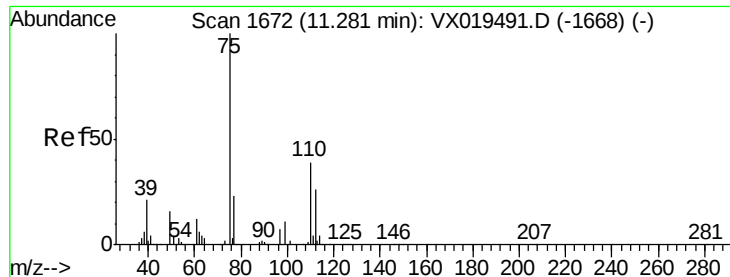


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.978 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019604.D

Acq: 24 Nov 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

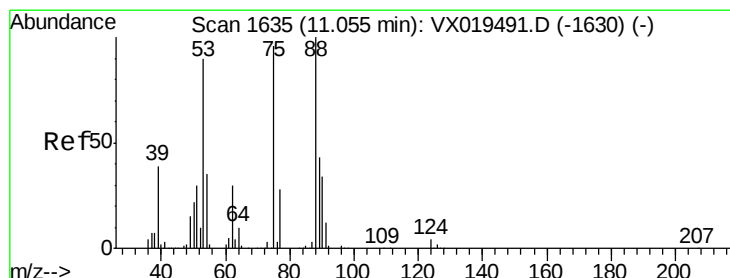
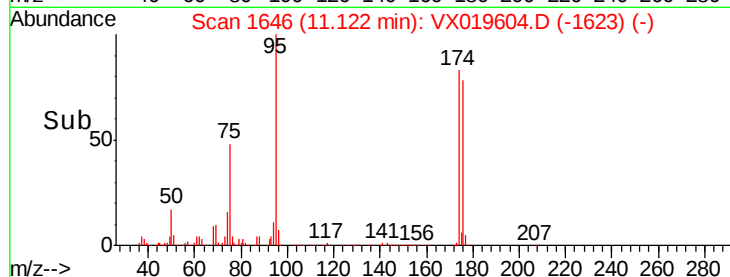
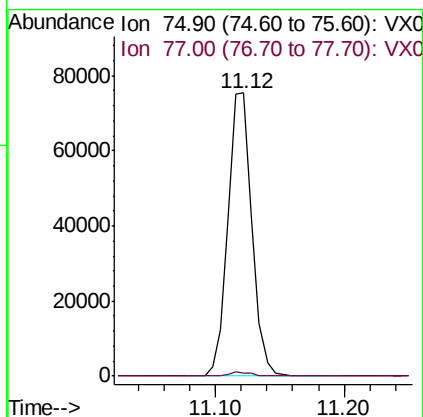
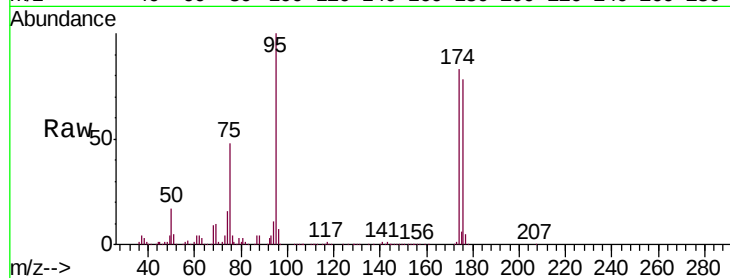
B3-GW

Tgt Ion: 75 Resp: 99223

Ion Ratio Lower Upper

75 100

77 1.4 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.985 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019604.D

Acq: 24 Nov 2020 14:45

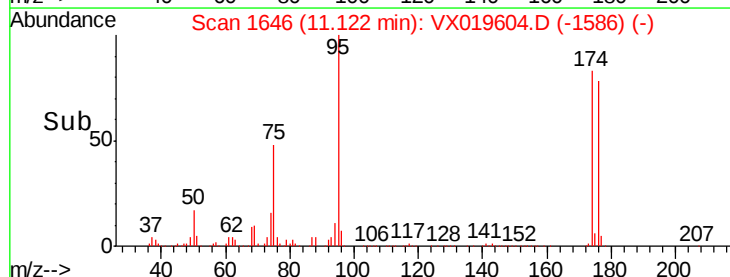
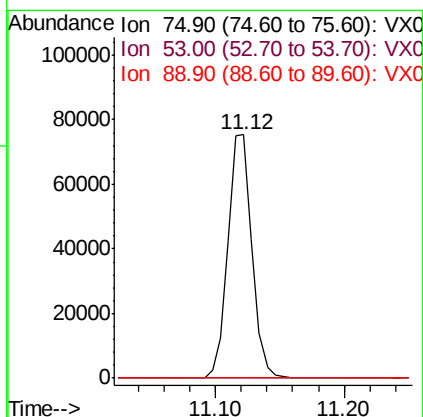
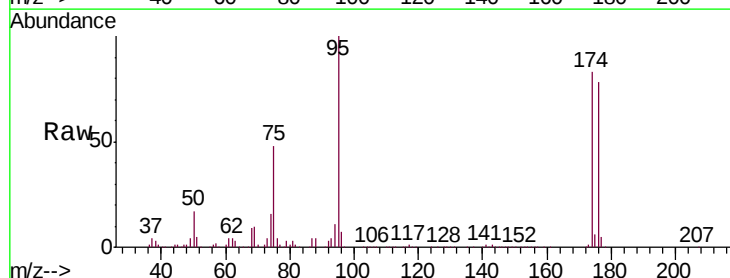
Tgt Ion: 75 Resp: 99223

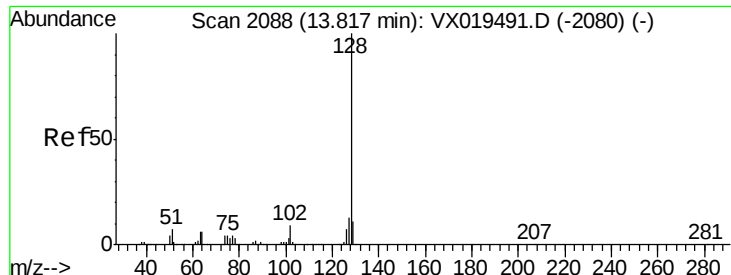
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.3 55.9#





#95

Naphthalene

Concen: 2.204 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019604.D

Acq: 24 Nov 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

B3-GW

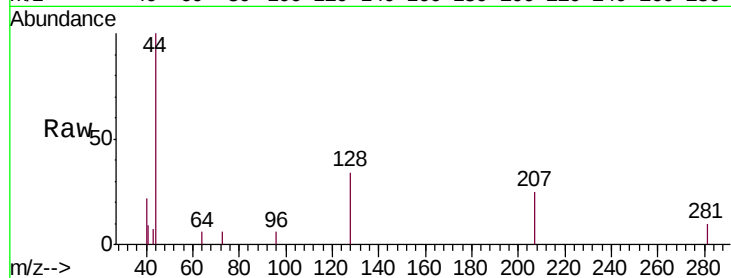
Tgt Ion:128 Resp: 363

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

