

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112320\
 Data File : VX019558.D
 Acq On : 23 Nov 2020 18:12
 Operator : JC/MD
 Sample : L4839-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B2-GW

Quant Time: Nov 24 00:33:40 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	305708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	494636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	426918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	182414	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	183966	46.41	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.82%
35) Dibromofluoromethane	5.46	113	146993	47.34	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.68%
50) Toluene-d8	8.70	98	570256	47.27	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.54%
62) 4-Bromofluorobenzene	11.12	95	198283	45.68	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.36%

Target Compounds

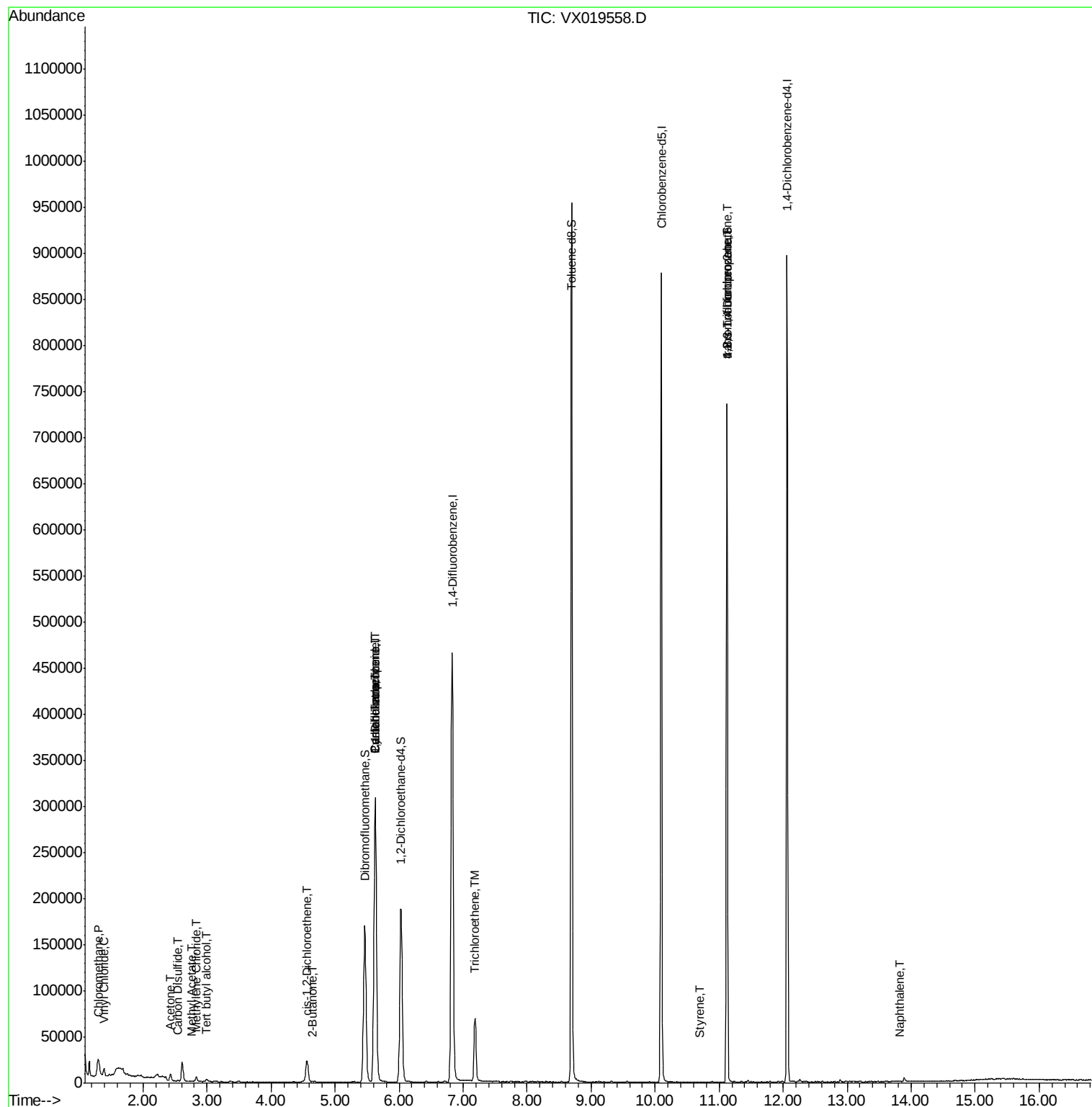
					Qvalue
3) Chloromethane	1.31	50	3188	0.935 ug/l	97
4) Vinyl Chloride	1.39	62	1348	0.367 ug/l #	15
6) Chloroethane	1.70	64	849	Below Cal #	44
11) Tert butyl alcohol	3.00	59	2155	2.873 ug/l #	73
16) Acetone	2.43	43	7676	5.008 ug/l	99
17) Carbon Disulfide	2.54	76	1698	0.208 ug/l #	89
18) Methyl Acetate	2.75	43	255	0.701 ug/l #	47
20) Methylene Chloride	2.82	84	2346	0.612 ug/l	88
25) 2-Butanone	4.65	43	856	0.372 ug/l #	45
27) cis-1,2-Dichloroethene	4.56	96	15077	3.817 ug/l	95
31) Cyclohexane	5.62	56	5822	1.129 ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22819	4.921 ug/l #	49
38) Carbon Tetrachloride	5.62	117	29498	6.572 ug/l #	16
44) Trichloroethene	7.18	130	26724	7.161 ug/l	95
70) Styrene	10.70	104	27	1.648 ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	97372	24.460 ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	97372	64.704 ug/l #	12
95) Naphthalene	13.82	128	212	2.193 ug/l #	69

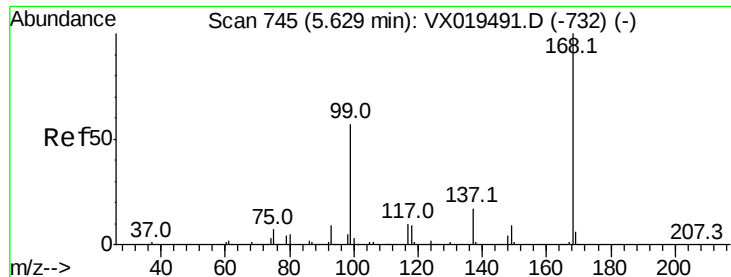
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019558.D

Acq: 23 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

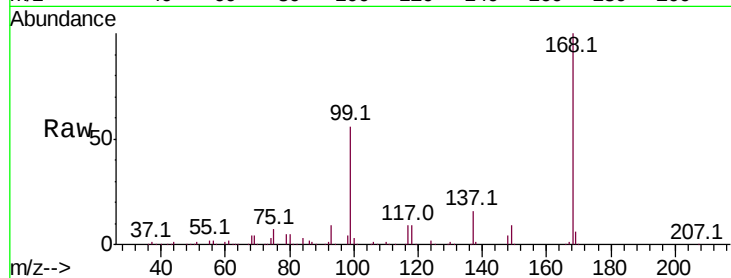
B2-GW

Tot Ion:168 Resp: 305708

Ion Ratio Lower Upper

168 100

99 55.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

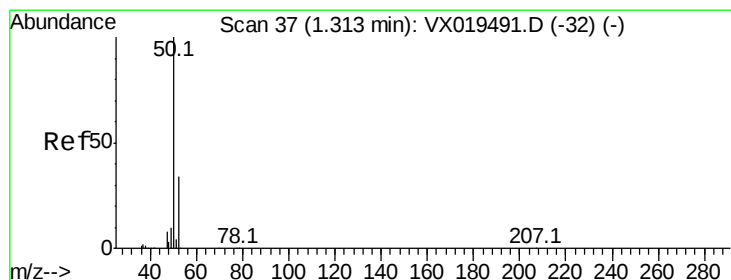
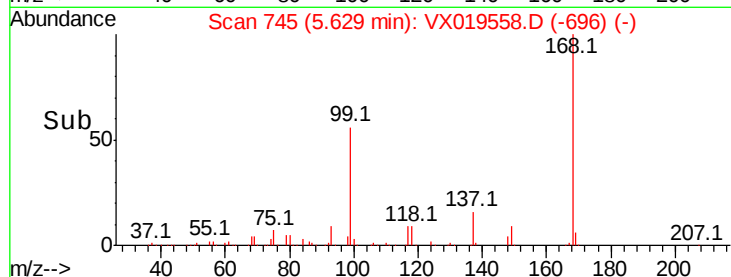
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.935 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019558.D

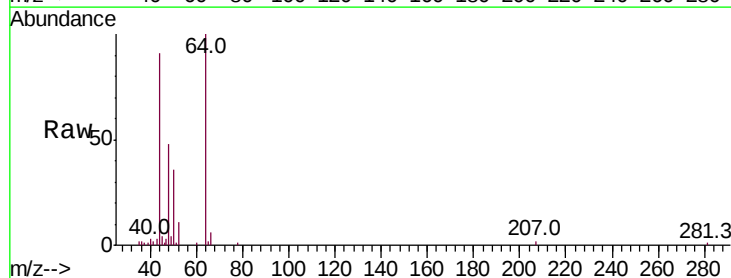
Acq: 23 Nov 2020 18:12

Tgt Ion: 50 Resp: 3188

Ion Ratio Lower Upper

50 100

52 32.0 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

2500

2000

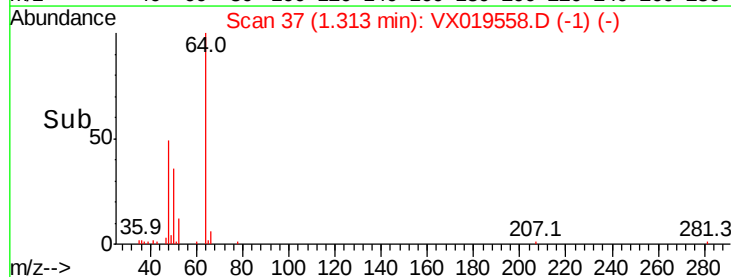
1500

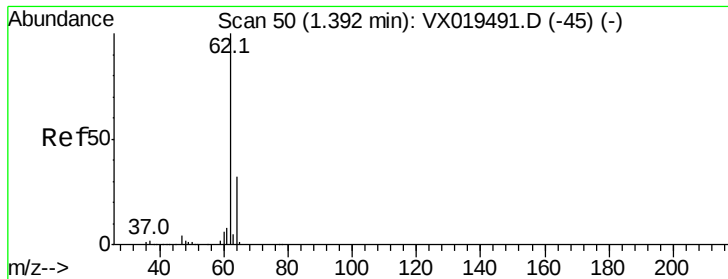
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 0.367 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019558.D

Acq: 23 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampled :

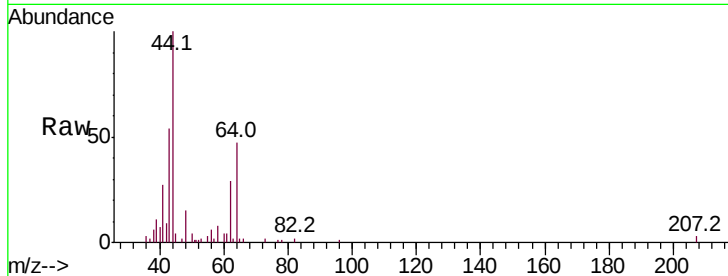
B2-GW

Tot Ion: 62 Resp: 1348

Ion Ratio Lower Upper

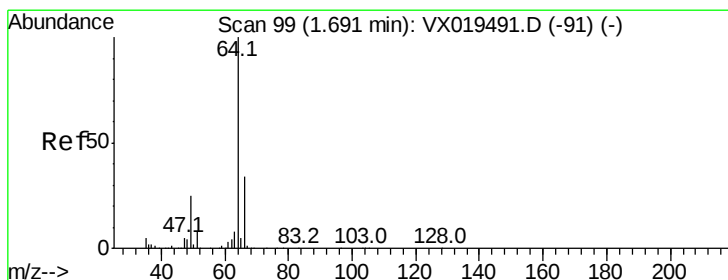
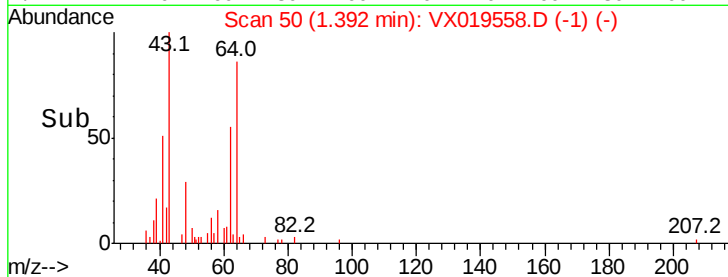
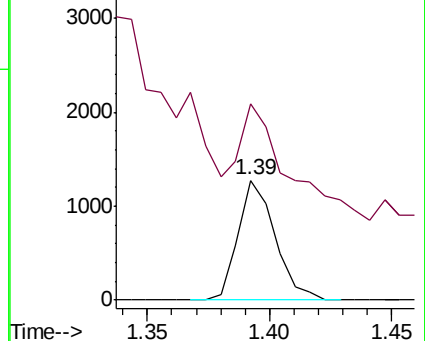
62 100

64 79.0 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX019558.D

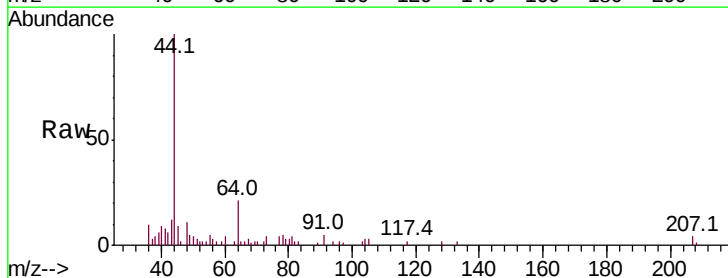
Acq: 23 Nov 2020 18:12

Tgt Ion: 64 Resp: 849

Ion Ratio Lower Upper

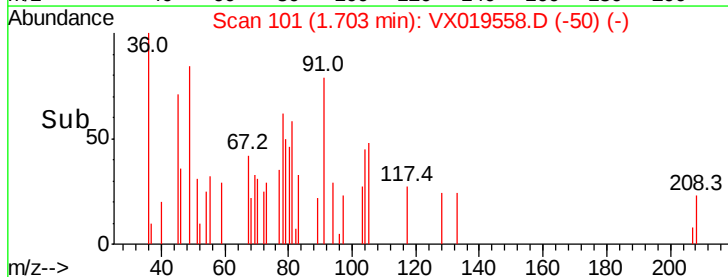
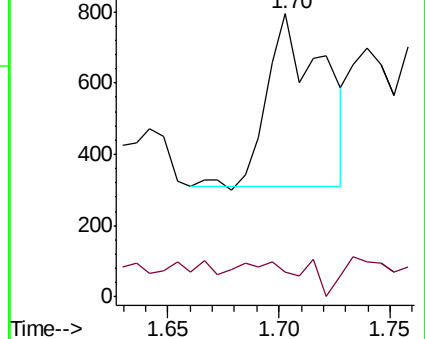
64 100

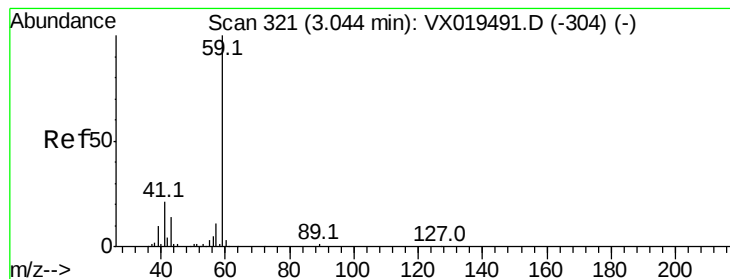
66 2.1 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



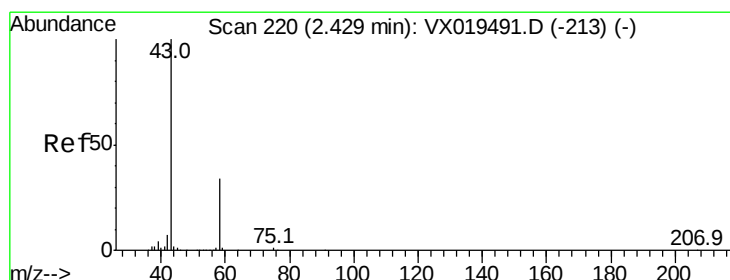
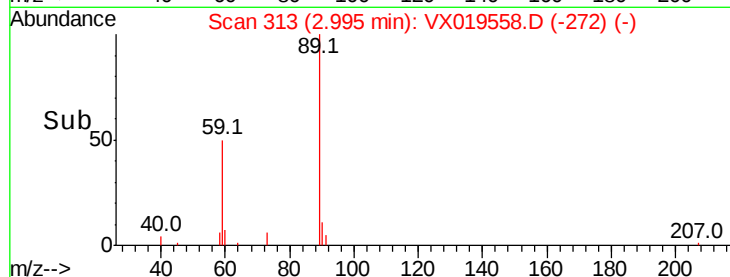
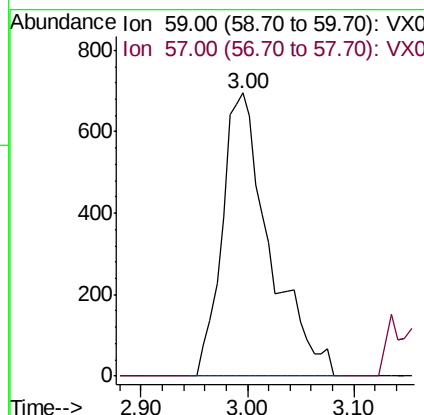
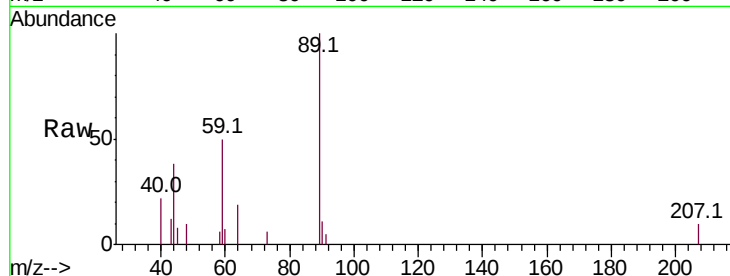


#11

Tert butyl alcohol
 Concen: 2.873 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.05 min
 Lab File: VX019558.D
 Acq: 23 Nov 2020 18:12

Instrument :
 MSVOA_X
 ClientSampleId :
 B2-GW

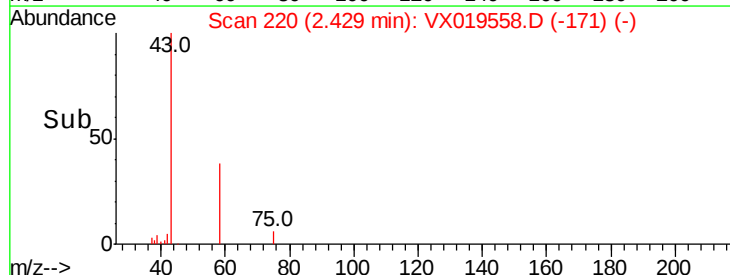
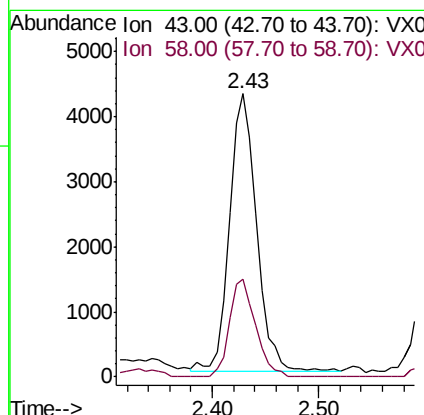
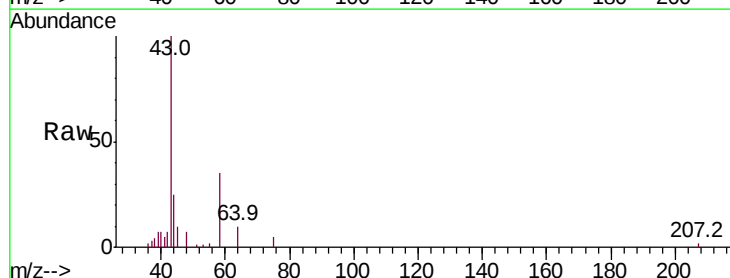
Tot Ion: 59 Resp: 2155
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

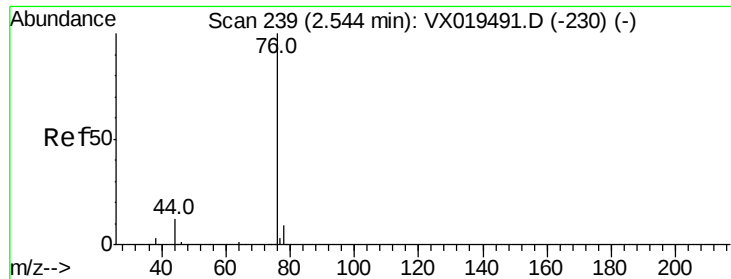


#16

Acetone
 Concen: 5.008 ug/l
 RT: 2.43 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX019558.D
 Acq: 23 Nov 2020 18:12

Tgt Ion: 43 Resp: 7676
 Ion Ratio Lower Upper
 43 100
 58 35.1 27.4 41.2

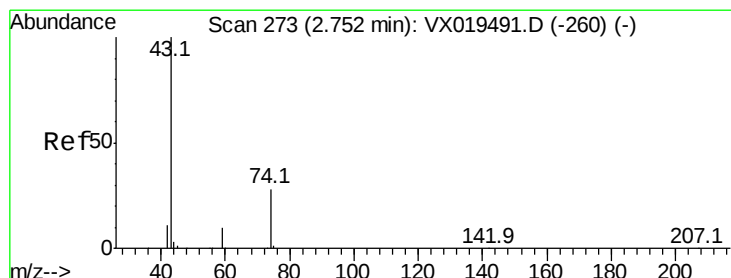
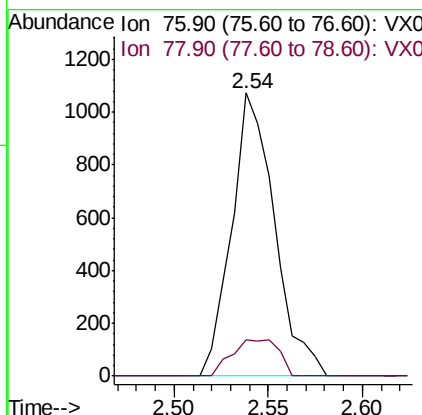
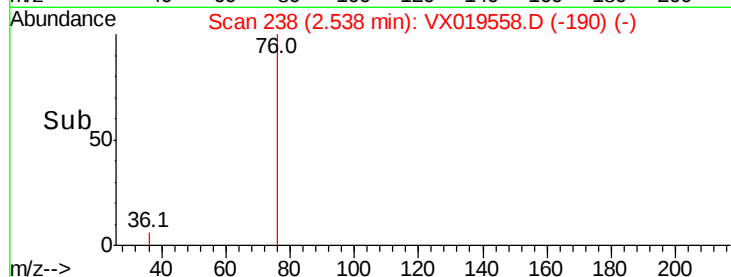
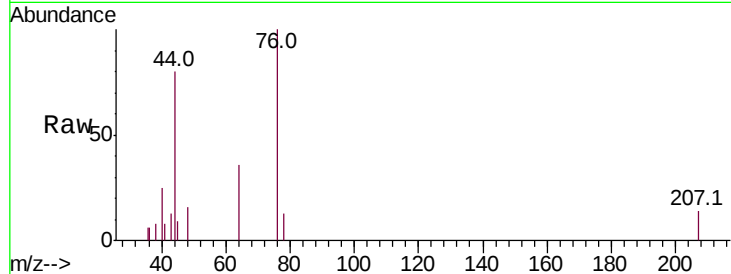




#17
Carbon Disulfide
Concen: 0.208 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.01 min
Lab File: VX019558.D
Acq: 23 Nov 2020 18:12

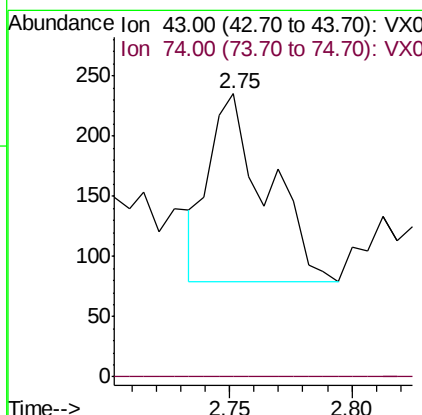
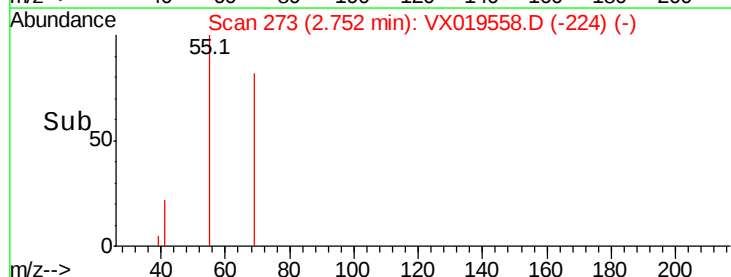
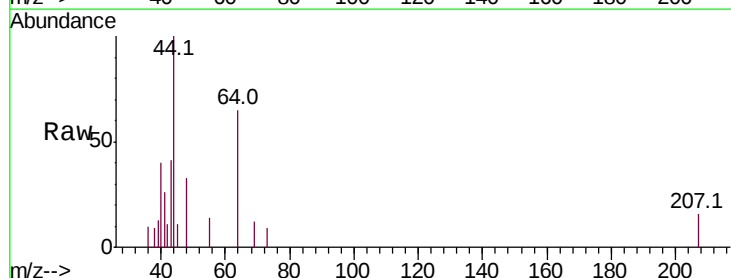
Instrument :
MSVOA_X
ClientSampled :
B2-GW

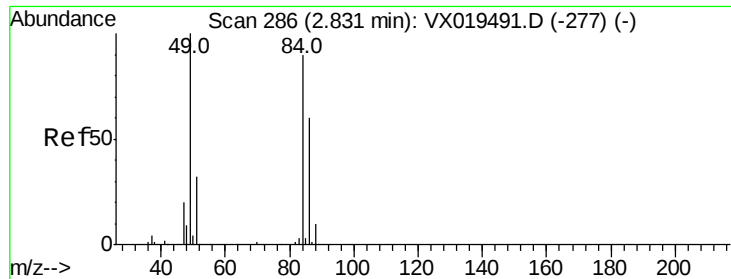
Tot Ion: 76 Resp: 1698
Ion Ratio Lower Upper
76 100
78 12.9 7.2 10.8#



#18
Methyl Acetate
Concen: 0.701 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019558.D
Acq: 23 Nov 2020 18:12

Tgt Ion: 43 Resp: 255
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#

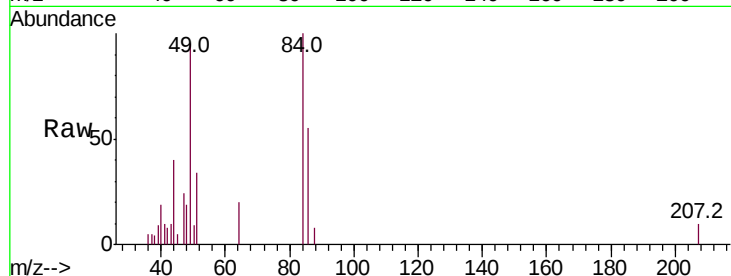




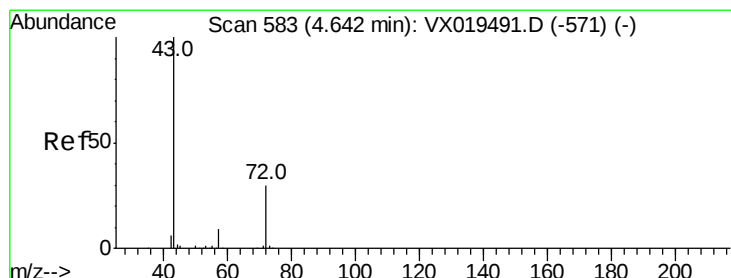
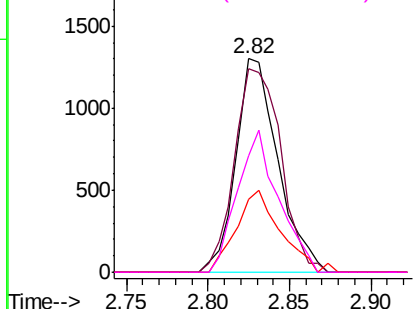
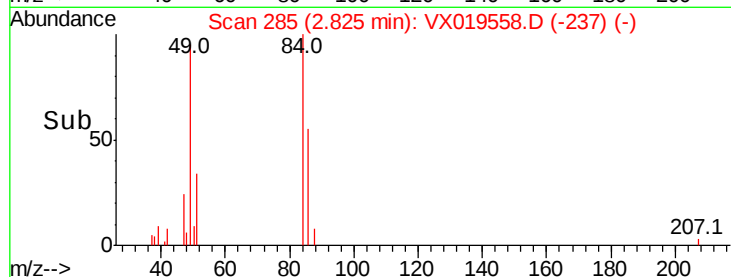
#20
Methvlene Chloride
Concen: 0.612 ug/l
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX019558.D
Acq: 23 Nov 2020 18:12

Instrument :
MSVOA_X
ClientSampleId :
B2-GW

Tot Ion:	84	Resp:	2346
Ion	Ratio	Lower	Upper
84	100		
49	95.5	88.5	132.7
51	34.4	28.0	42.0
86	54.8	53.0	79.4

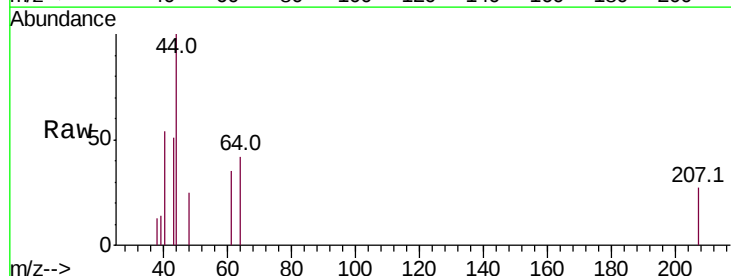


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

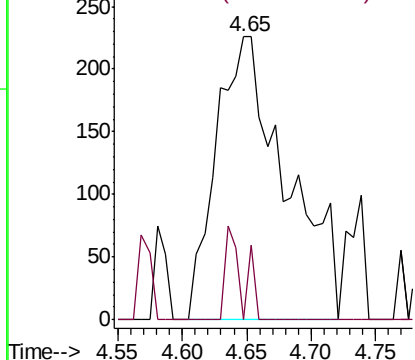
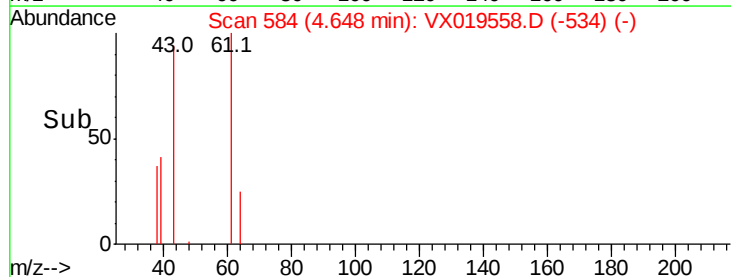


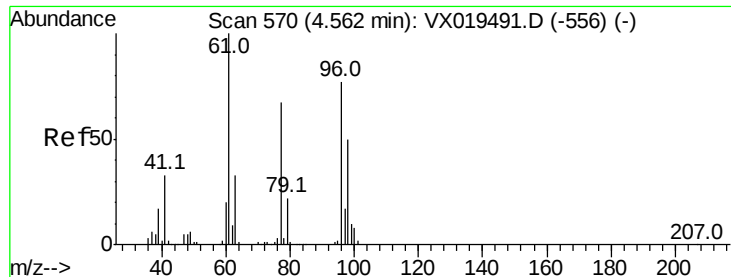
#25
2-Butanone
Concen: 0.372 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX019558.D
Acq: 23 Nov 2020 18:12

Tgt Ion:	43	Resp:	856
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





#27

cis-1,2-Dichloroethene

Concen: 3.817 ug/l

RT: 4.56 min Scan# 570

Delta R.T. 0.00 min

Lab File: VX019558.D

Acq: 23 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

B2-GW

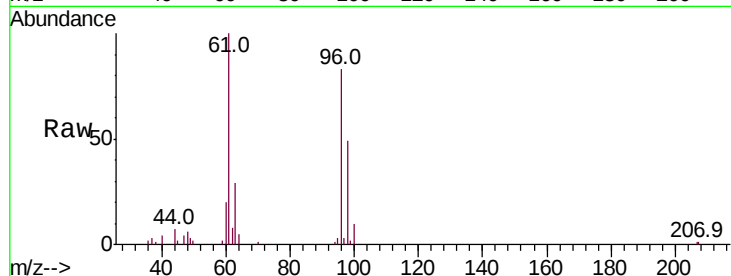
Tot Ion: 96 Resp: 15077

Ion Ratio Lower Upper

96 100

61 147.7 0.0 279.2

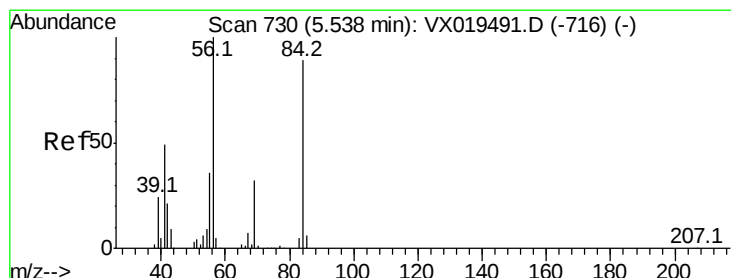
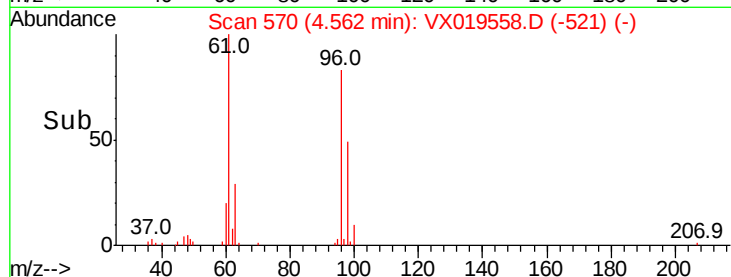
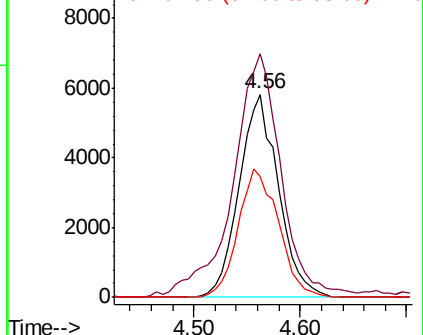
98 65.1 0.0 129.8



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: 1.129 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.09 min

Lab File: VX019558.D

Acq: 23 Nov 2020 18:12

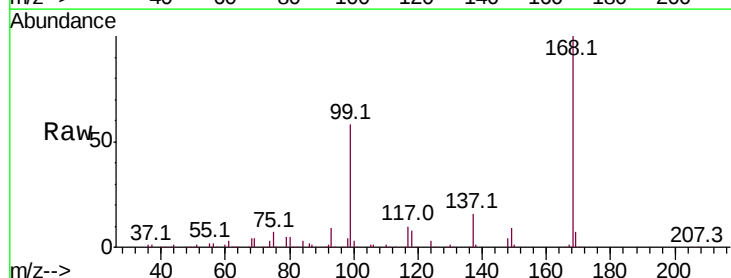
Tgt Ion: 56 Resp: 5822

Ion Ratio Lower Upper

56 100

69 183.3 25.5 38.3#

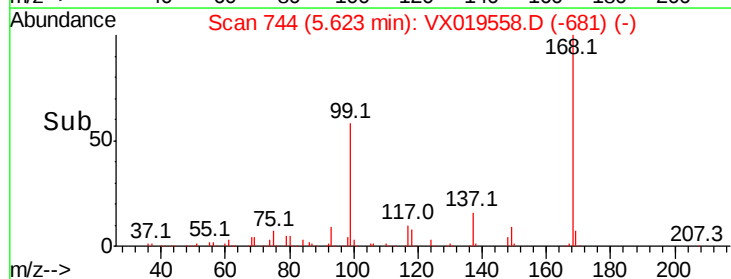
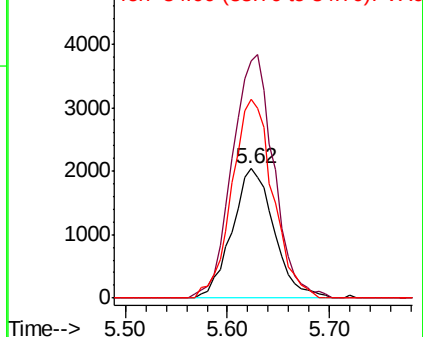
84 153.0 71.1 106.7#

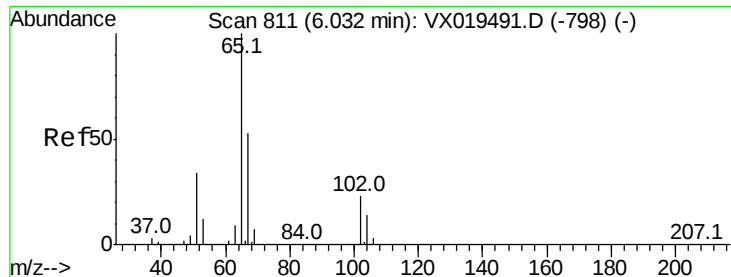


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

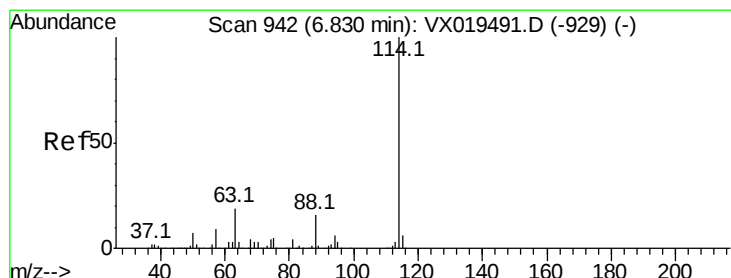
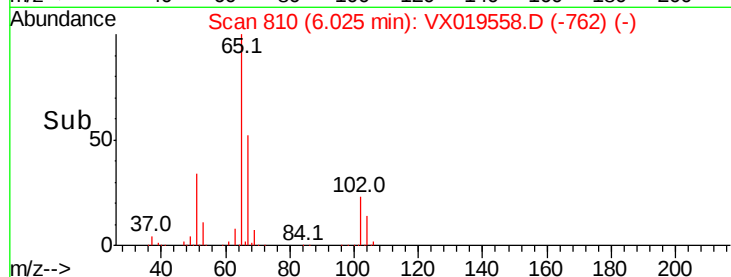
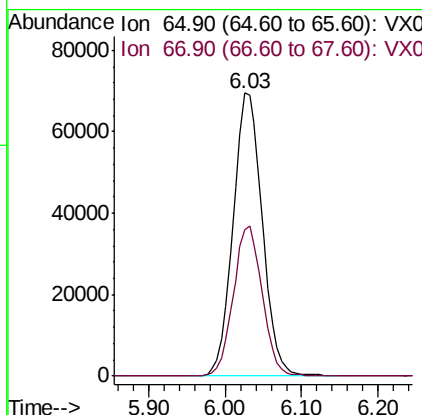
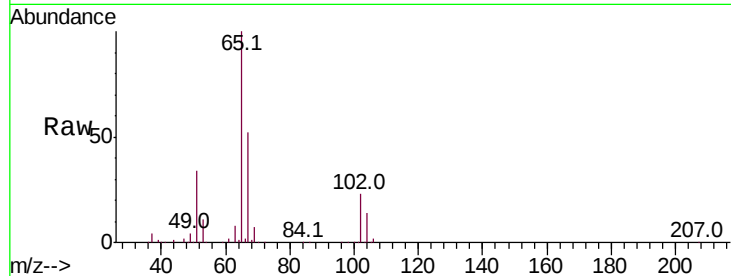




#33
 1,2-Dichloroethane-d4
 Concen: 46.412 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VX019558.D
 Acq: 23 Nov 2020 18:12

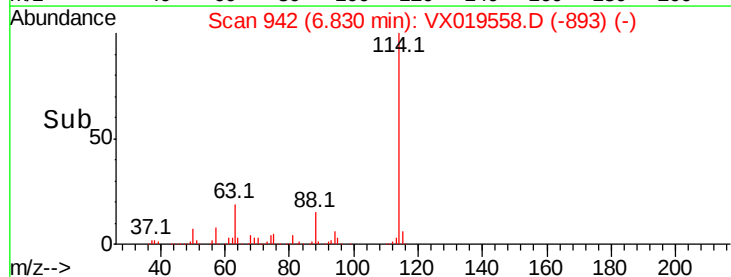
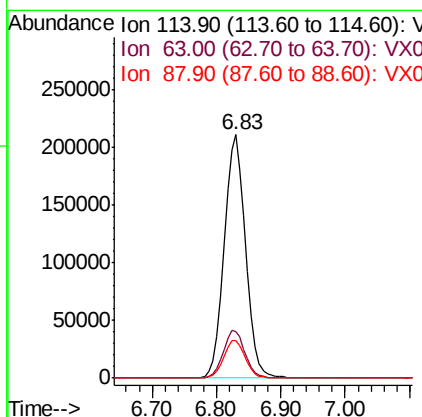
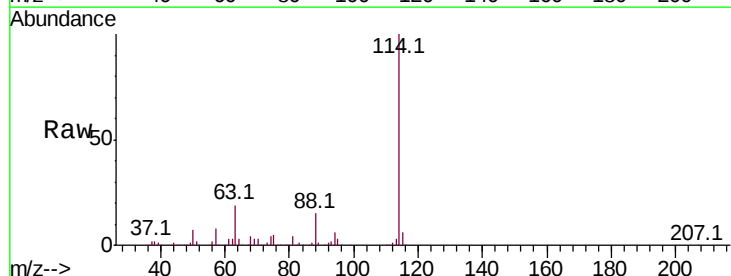
Instrument :
 MSVOA_X
 ClientSampleId :
 B2-GW

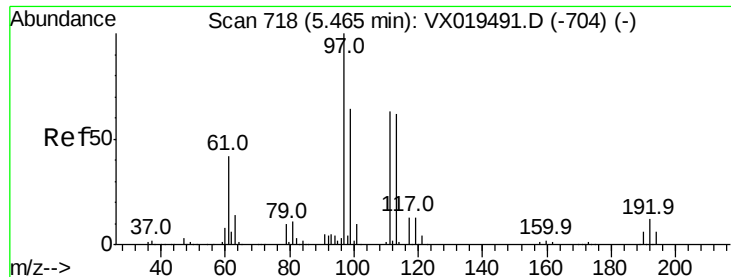
Tot Ion: 65 Resp: 183966
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX019558.D
 Acq: 23 Nov 2020 18:12

Tgt Ion: 114 Resp: 494636
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.8
 88 15.4 0.0 31.6

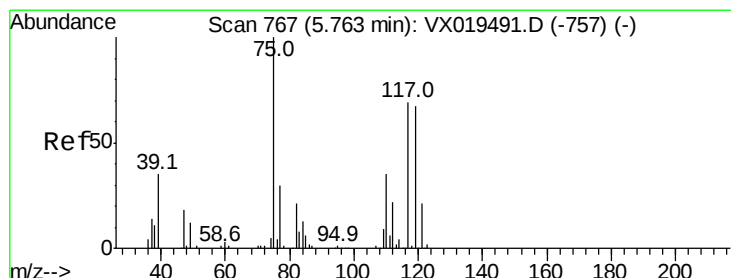
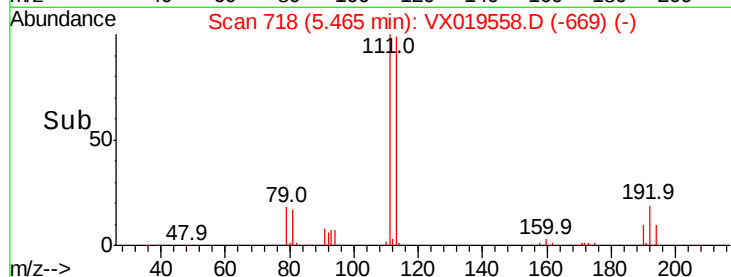
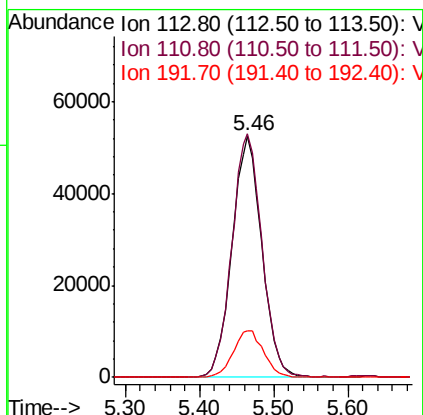
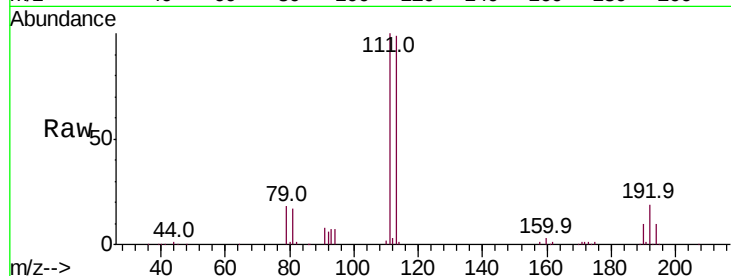




#35
 Dibromofluoromethane
 Concen: 47.343 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX019558.D
 Acq: 23 Nov 2020 18:12

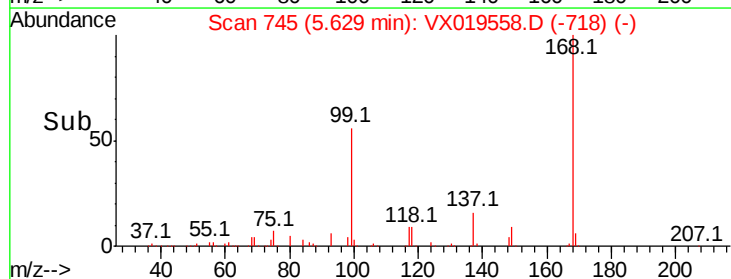
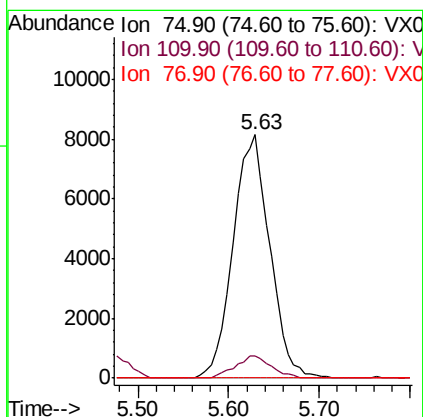
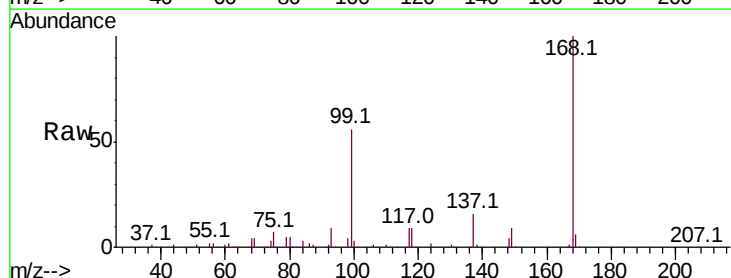
Instrument :
 MSVOA_X
 ClientSampleId :
 B2-GW

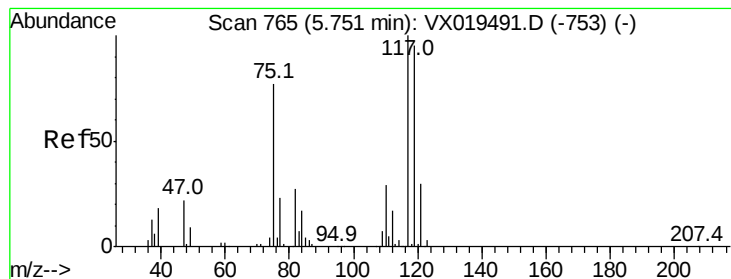
Tot Ion:113 Resp: 146993
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.5 122.3
 192 19.7 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.921 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019558.D
 Acq: 23 Nov 2020 18:12

Tgt Ion: 75 Resp: 22819
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.3#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 6.572 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019558.D

Acq: 23 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

B2-GW

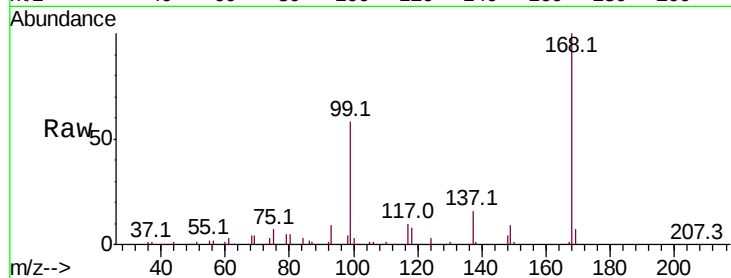
Tot Ion:117 Resp: 29498

Ion Ratio Lower Upper

117 100

119 4.6 75.9 113.9#

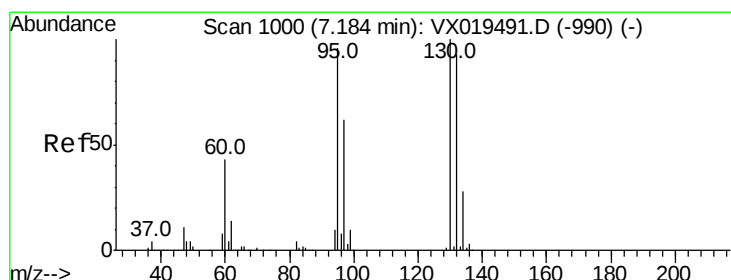
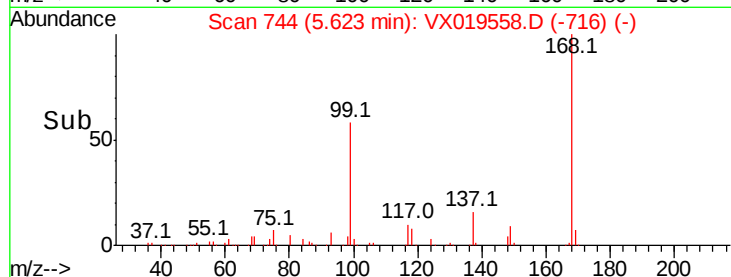
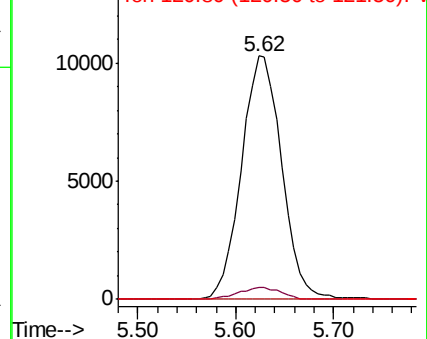
121 0.0 24.0 36.0#



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: 7.161 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX019558.D

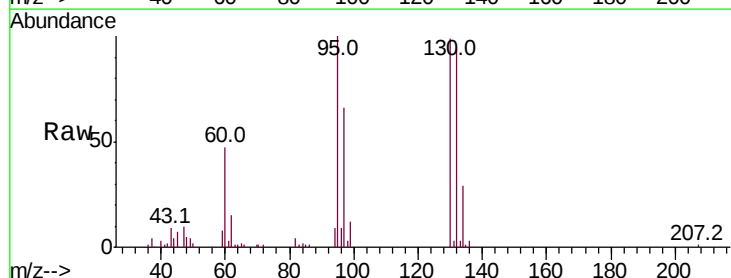
Acq: 23 Nov 2020 18:12

Tgt Ion:130 Resp: 26724

Ion Ratio Lower Upper

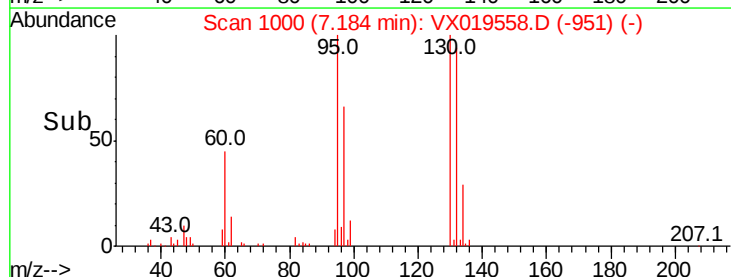
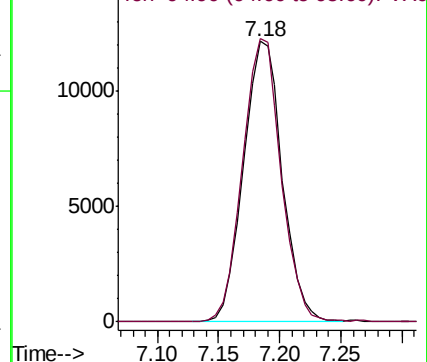
130 100

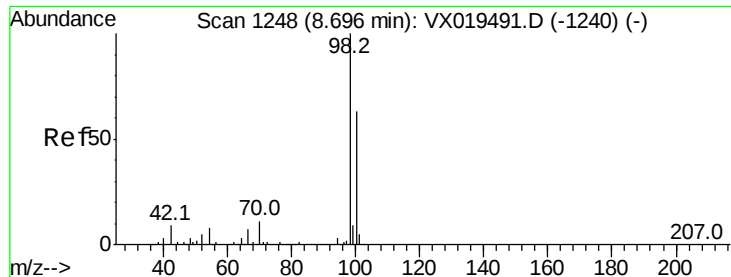
95 100.9 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 47.265 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019558.D

Acq: 23 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

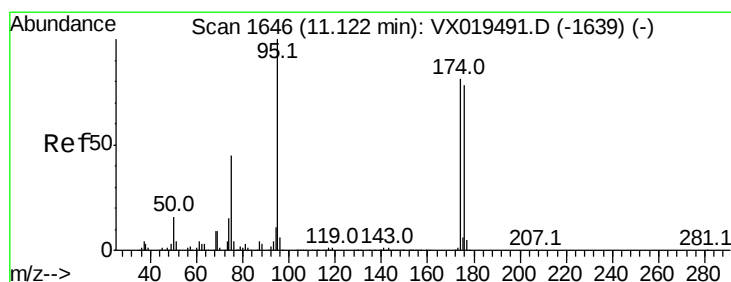
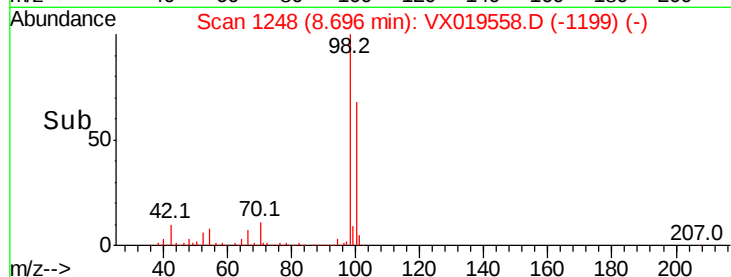
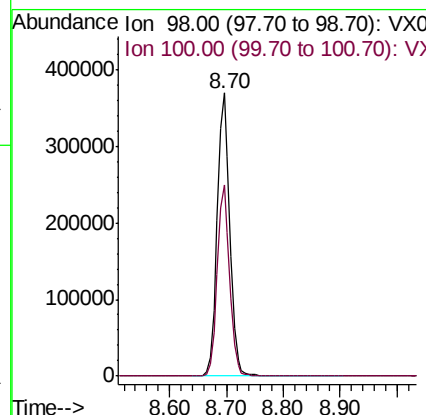
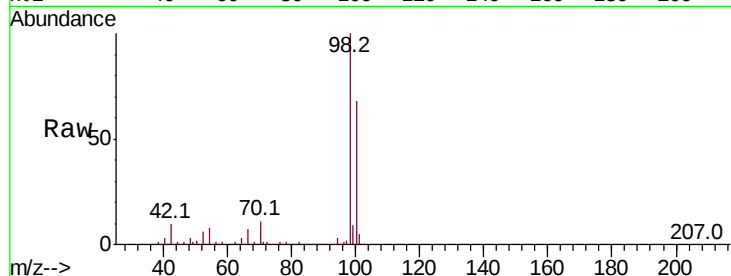
B2-GW

Tot Ion: 98 Resp: 570256

Ion Ratio Lower Upper

98 100

100 66.6 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 45.678 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019558.D

Acq: 23 Nov 2020 18:12

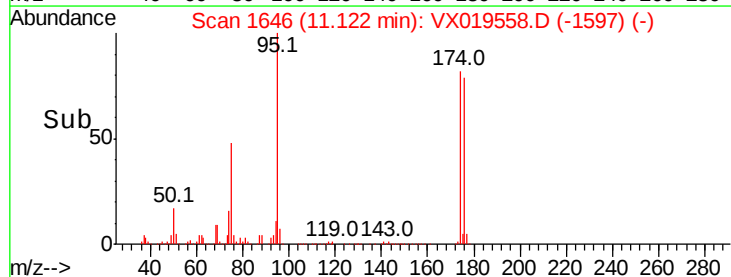
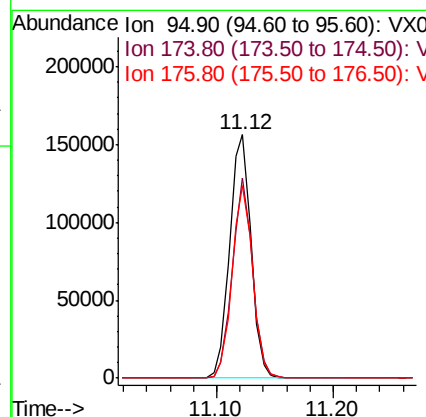
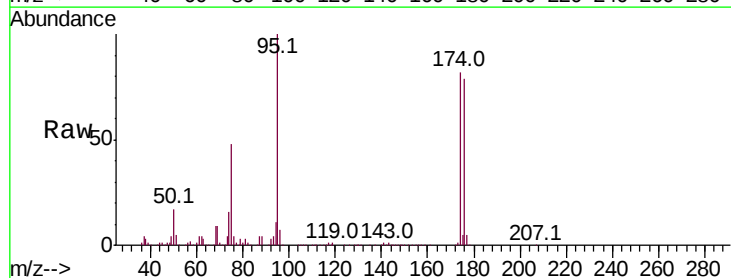
Tgt Ion: 95 Resp: 198283

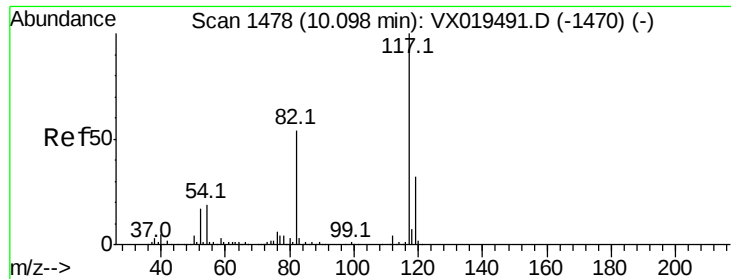
Ion Ratio Lower Upper

95 100

174 78.0 0.0 156.2

176 76.9 0.0 151.4

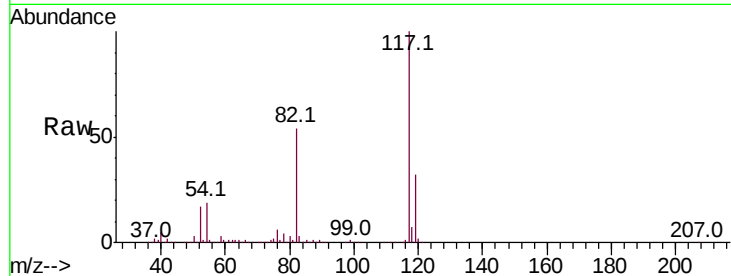




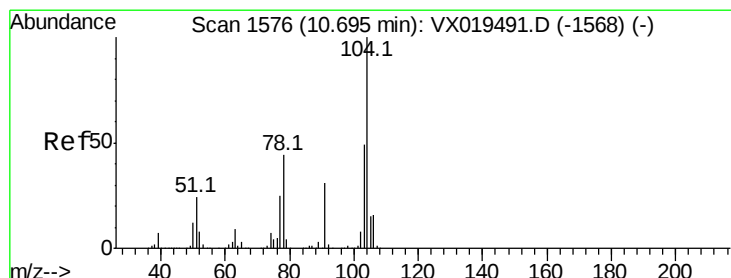
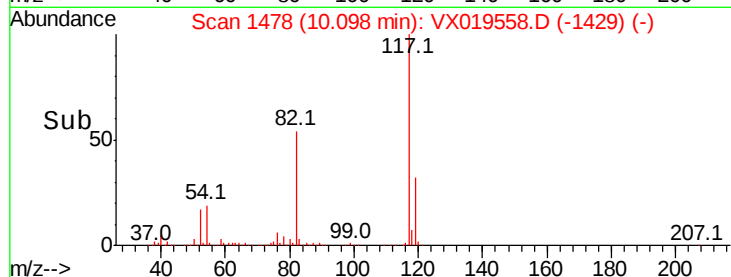
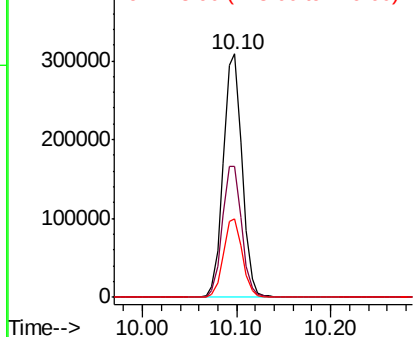
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019558.D
Acq: 23 Nov 2020 18:12

Instrument :
MSVOA_X
ClientSampled :
B2-GW

Tot Ion:117 Resp: 426918
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 32.0 25.6 38.4

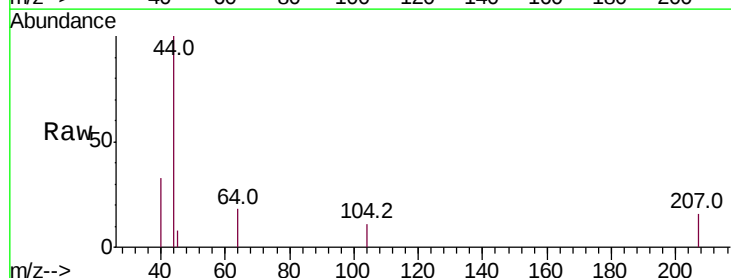


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

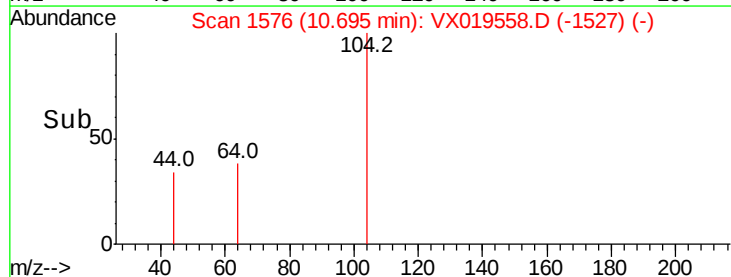
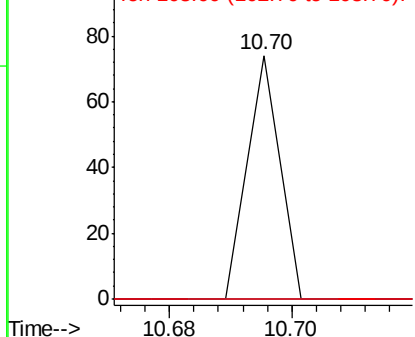


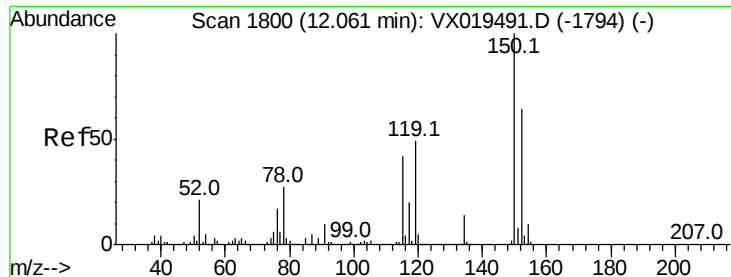
#70
Styrene
Concen: 1.648 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019558.D
Acq: 23 Nov 2020 18:12

Tgt Ion:104 Resp: 27
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: VX019558.D

Acq: 23 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

B2-GW

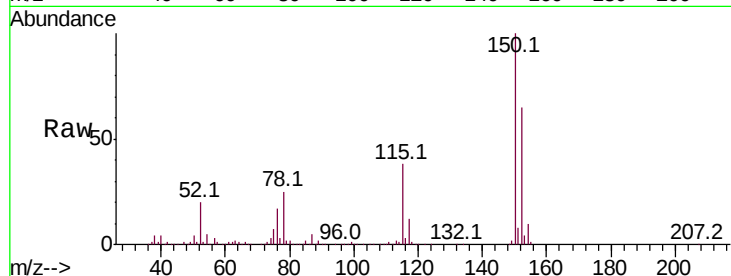
Tot Ion:152 Resp: 182414

Ion Ratio Lower Upper

152 100

115 58.8 41.8 125.4

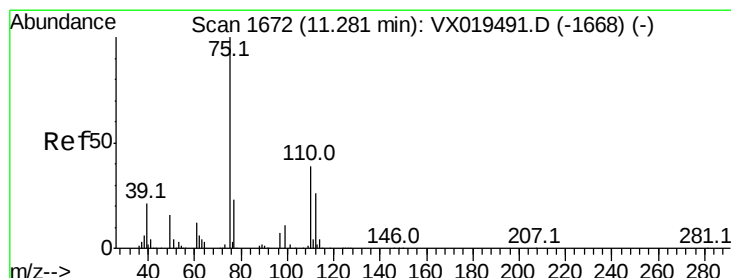
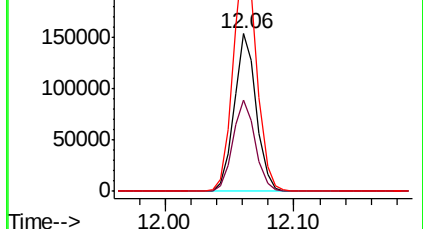
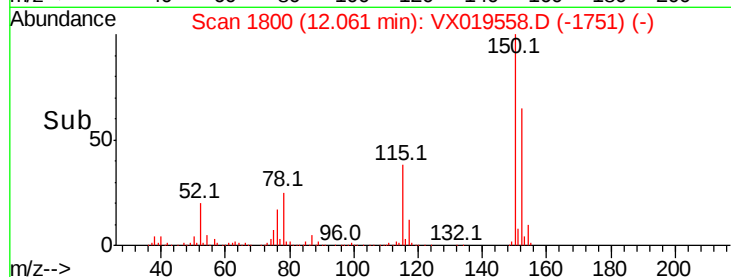
150 157.9 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.460 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019558.D

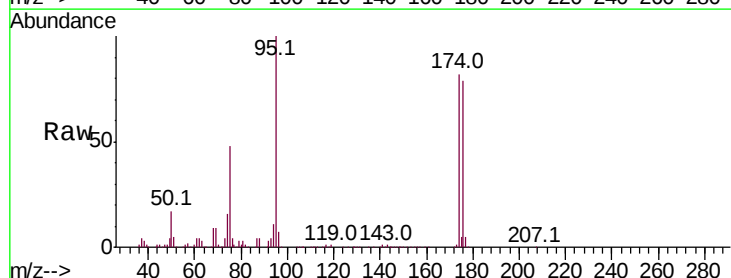
Acq: 23 Nov 2020 18:12

Tgt Ion: 75 Resp: 97372

Ion Ratio Lower Upper

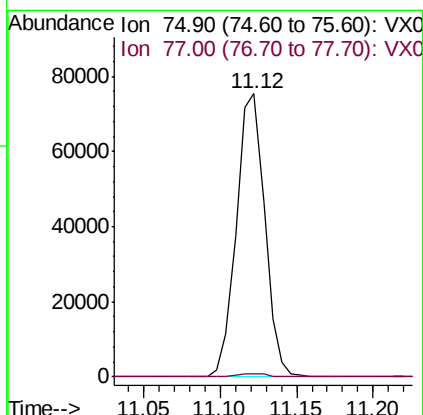
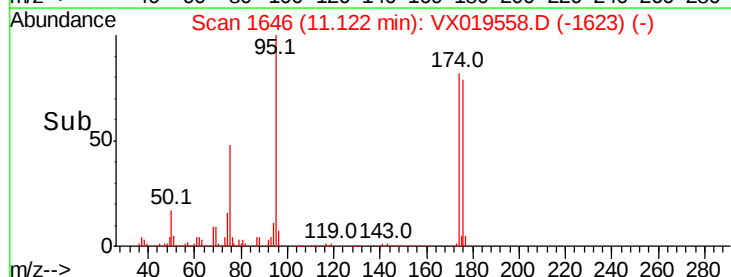
75 100

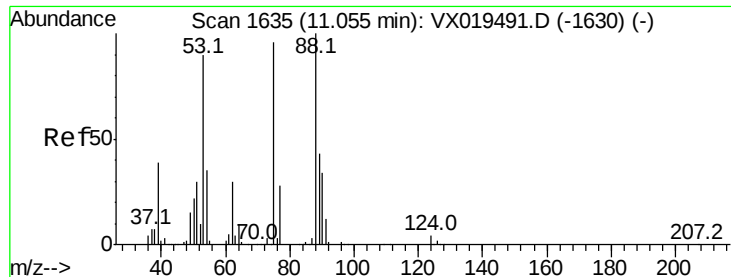
77 1.1 20.0 60.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

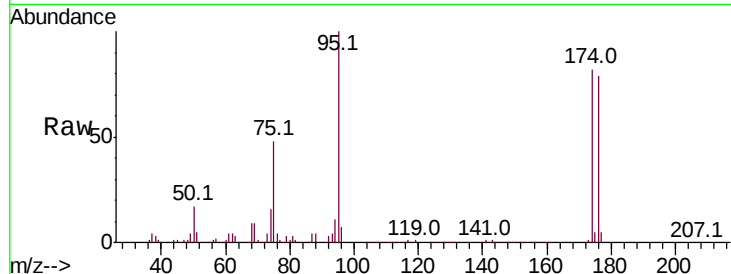




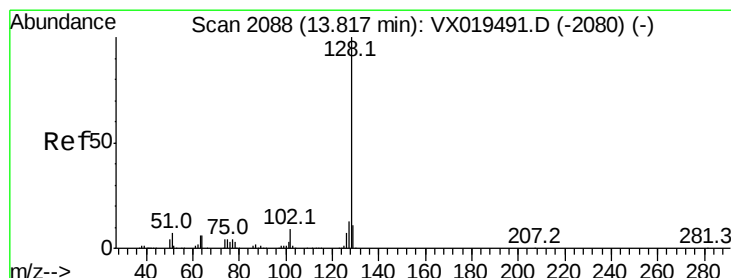
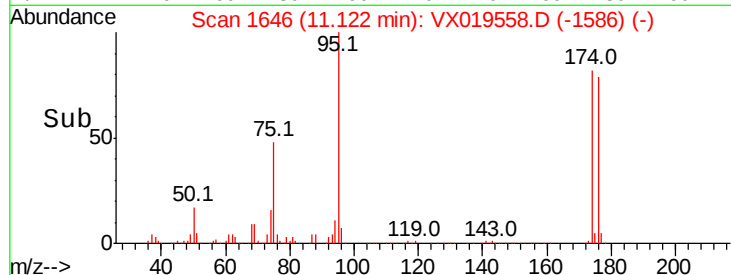
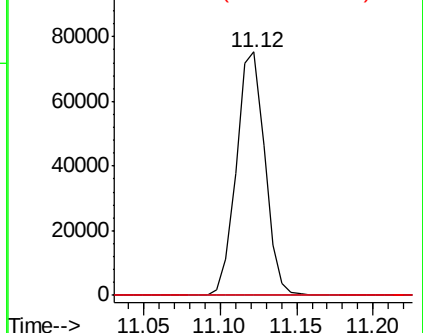
#81
trans-1,4-Dichloro-2-butene
Concen: 64.704 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019558.D
Acq: 23 Nov 2020 18:12

Instrument :
MSVOA_X
ClientSampleId :
B2-GW

Tot Ion: 75 Resp: 97372
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.3 55.9#

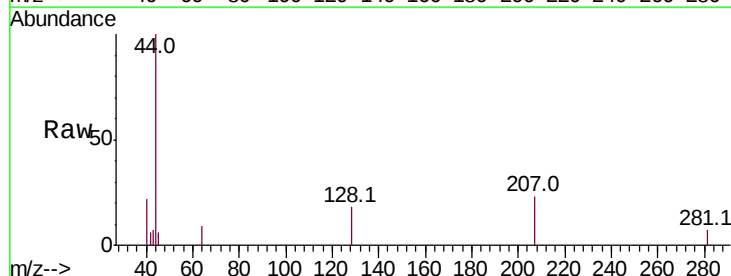


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#95
Naphthalene
Concen: 2.193 ug/l
RT: 13.82 min Scan# 2089
Delta R.T. 0.01 min
Lab File: VX019558.D
Acq: 23 Nov 2020 18:12

Tgt Ion: 128 Resp: 212
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

