

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032723\
 Data File : VX034751.D
 Acq On : 27 Mar 2023 15:49
 Operator : JC/MD
 Sample : 02104-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-37-GW01

Quant Time: Mar 28 03:20:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	304626	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	519171	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	455631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	210091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	219993	49.641	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.280%		
35) Dibromofluoromethane	5.385	113	166198	48.485	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.980%		
50) Toluene-d8	8.646	98	617930	48.290	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.580%		
62) 4-Bromofluorobenzene	11.079	95	237395	45.929	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.860%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	422	Below Cal		89
6) Chloroethane	1.501	64	35767	16.065 ug/l #		51
11) Tert butyl alcohol	2.958	59	187	0.203 ug/l #		73
14) Allyl chloride	2.641	41	1657	0.245 ug/l #		49
16) Acetone	2.379	43	16864	8.078 ug/l		100
17) Carbon Disulfide	2.513	76	4392	0.468 ug/l		96
20) Methylene Chloride	2.788	84	1926	0.475 ug/l #		74
25) 2-Butanone	4.562	43	34269	11.473 ug/l		93
28) Bromochloromethane	5.092	49	24518	7.610 ug/l #		15
30) Chloroform	5.092	83	295334	43.480 ug/l		100
36) 1,1-Dichloropropene	5.549	75	26013	4.941 ug/l #		51
37) Ethyl Acetate	4.562	43	34269	5.958 ug/l #		70
38) Carbon Tetrachloride	5.549	117	33088	6.317 ug/l #		16
46) Dibromomethane	7.823	93	893	0.327 ug/l #		5
47) Bromodichloromethane	7.823	83	26472	5.003 ug/l		98
52) Toluene	8.726	92	1991	0.209 ug/l		96
60) Dibromochloromethane	9.524	129	2292	0.577 ug/l		89
68) m/p-Xylenes	10.305	106	3408	0.496 ug/l		100
69) o-Xylene	10.646	106	1613	0.234 ug/l		89
76) 1,2,3-Trichloropropane	11.079	75	125708	26.059 ug/l #		34
80) 1,3,5-Trimethylbenzene	11.451	105	4490	0.330 ug/l		91
81) trans-1,4-Dichloro-2-b...	11.079	75	125708	70.498 ug/l #		8
84) 1,2,4-Trimethylbenzene	11.756	105	10444	0.750 ug/l		93
95) Naphthalene	13.774	128	56651	3.662 ug/l		100

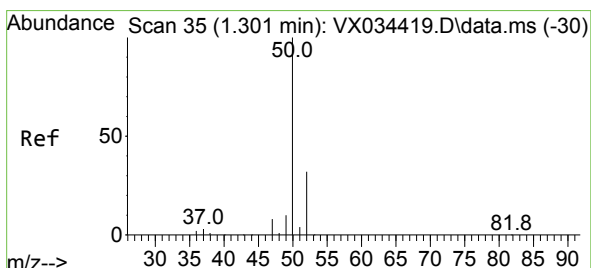
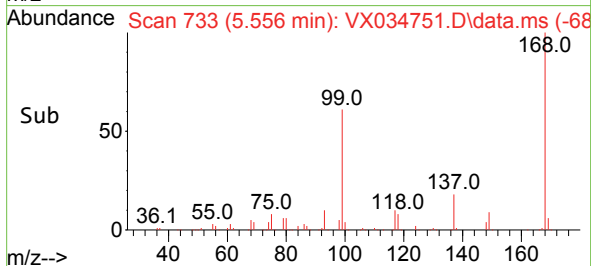
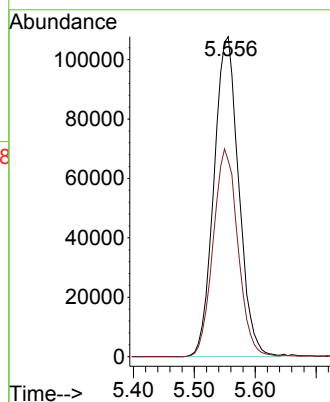
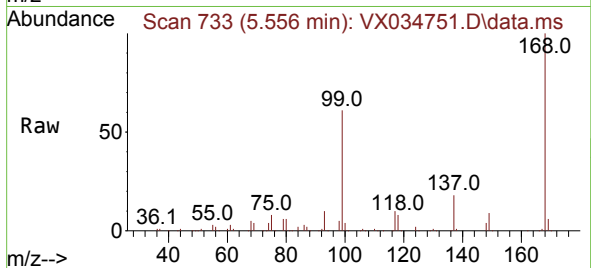
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

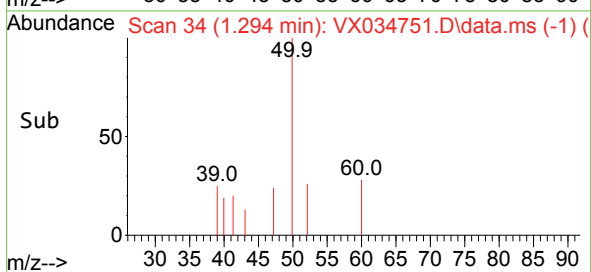
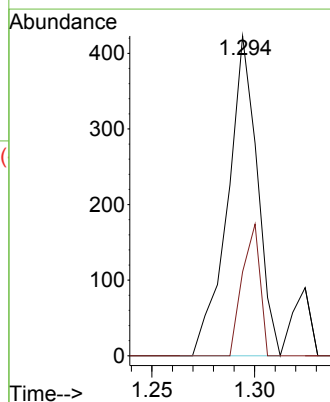
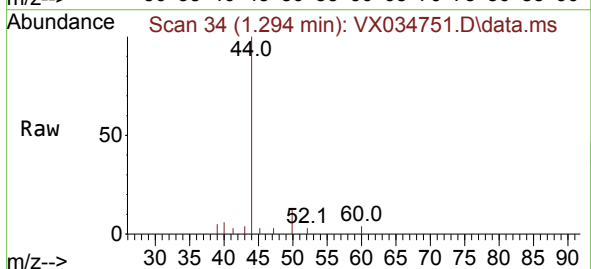
Instrument :
MSVOA_X
ClientSampleId :
B-37-GW01

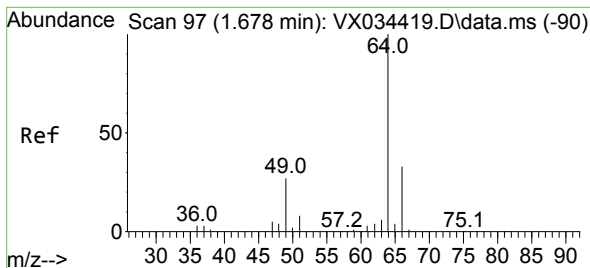
Tgt Ion:168 Resp: 304626
Ion Ratio Lower Upper
168 100
99 61.3 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

Tgt Ion: 50 Resp: 422
Ion Ratio Lower Upper
50 100
52 26.2 25.9 38.9





#6

Chloroethane

Concen: 16.065 ug/l

RT: 1.501 min Scan# 61

Delta R.T. -0.177 min

Lab File: VX034751.D

Acq: 27 Mar 2023 15:49

Instrument :

MSVOA_X

ClientSampleId :

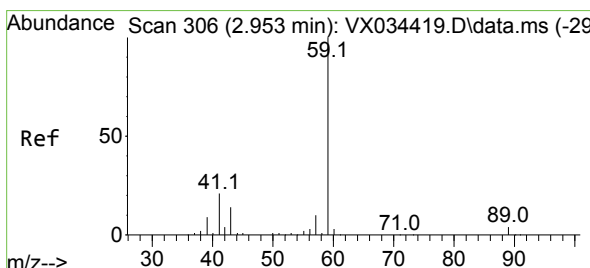
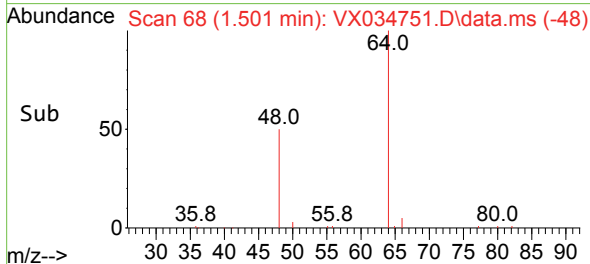
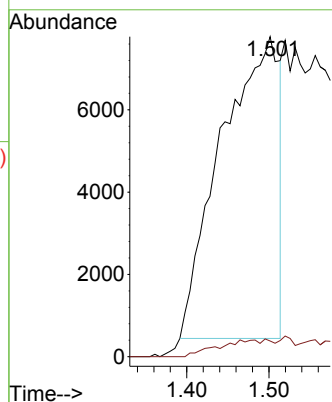
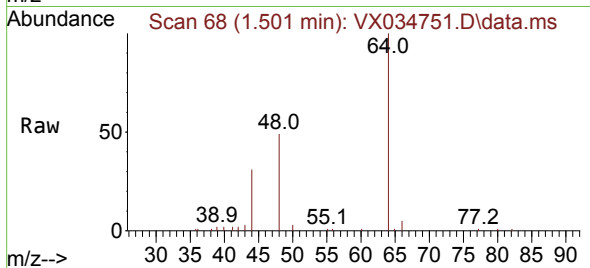
B-37-GW01

Tgt Ion: 64 Resp: 35767

Ion Ratio Lower Upper

64 100

66 5.2 26.2 39.4#



#11

Tert butyl alcohol

Concen: 0.203 ug/l

RT: 2.958 min Scan# 307

Delta R.T. 0.006 min

Lab File: VX034751.D

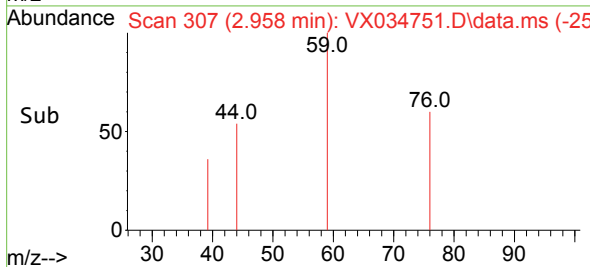
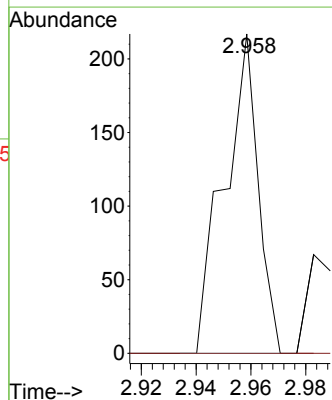
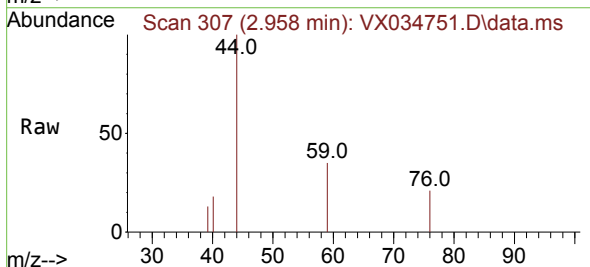
Acq: 27 Mar 2023 15:49

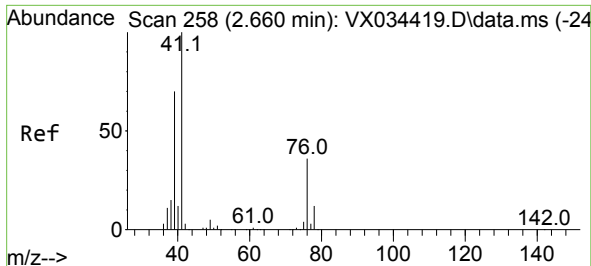
Tgt Ion: 59 Resp: 187

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#

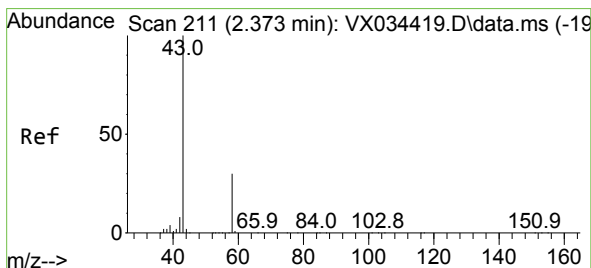
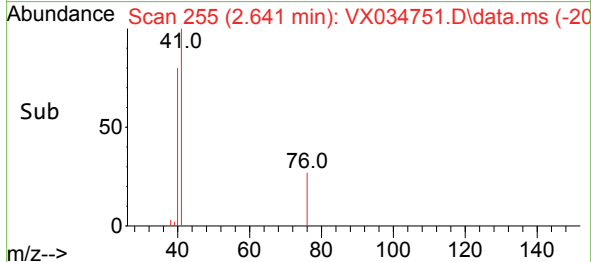
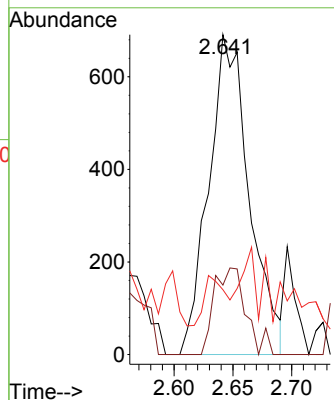
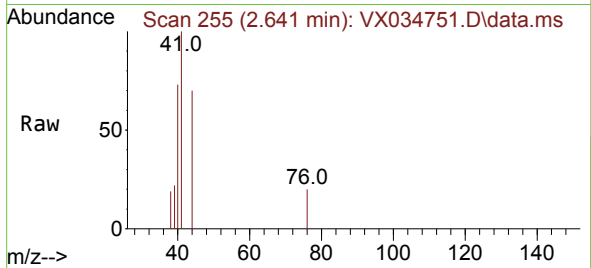




#14
 Allyl chloride
 Concen: 0.245 ug/l
 RT: 2.641 min Scan# 212
 Delta R.T. -0.019 min
 Lab File: VX034751.D
 Acq: 27 Mar 2023 15:49

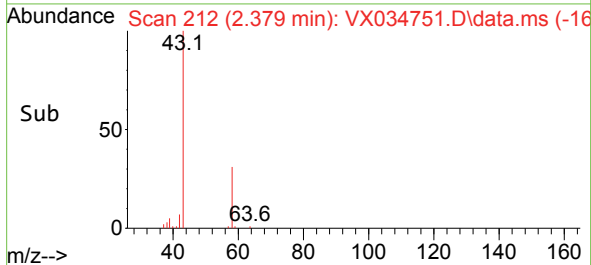
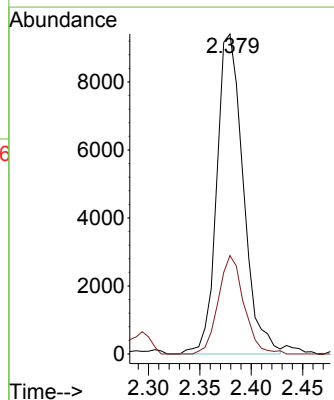
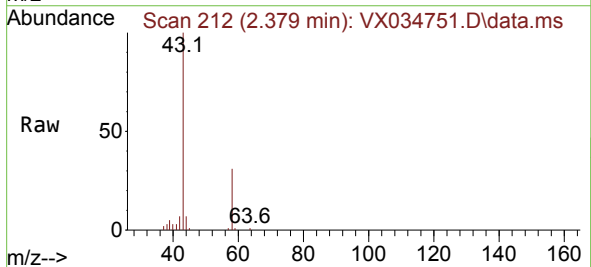
Instrument :
 MSVOA_X
 ClientSampleId :
 B-37-GW01

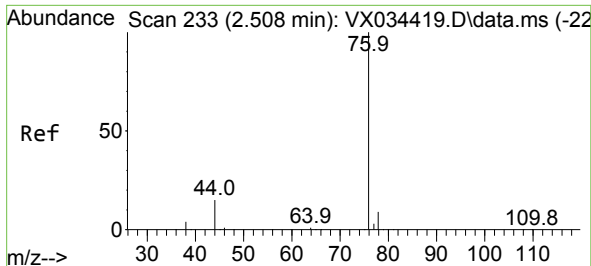
Tgt Ion: 41 Resp: 1657
 Ion Ratio Lower Upper
 41 100
 39 21.3 52.4 78.6#
 76 8.8 26.0 39.0#



#16
 Acetone
 Concen: 8.078 ug/l
 RT: 2.379 min Scan# 212
 Delta R.T. 0.006 min
 Lab File: VX034751.D
 Acq: 27 Mar 2023 15:49

Tgt Ion: 43 Resp: 16864
 Ion Ratio Lower Upper
 43 100
 58 30.7 24.7 37.1

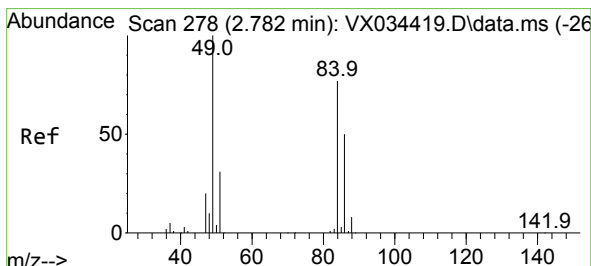
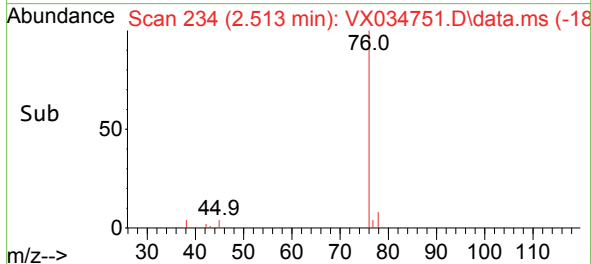
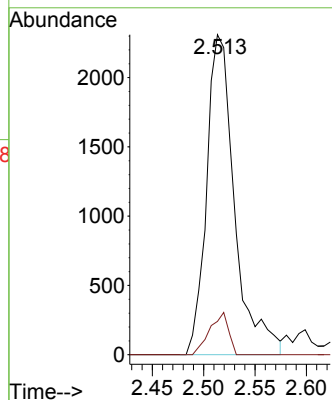
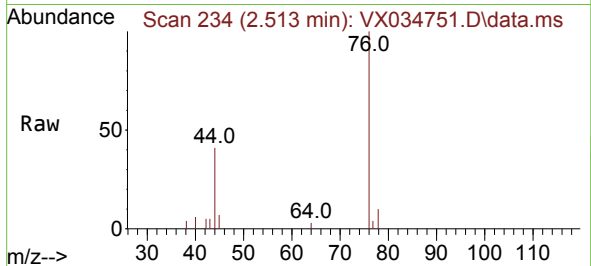




#17
Carbon Disulfide
Concen: 0.468 ug/l
RT: 2.513 min Scan# 21
Delta R.T. 0.005 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

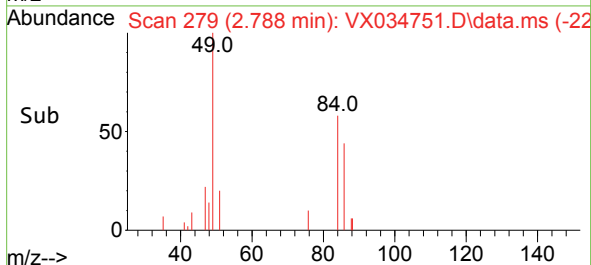
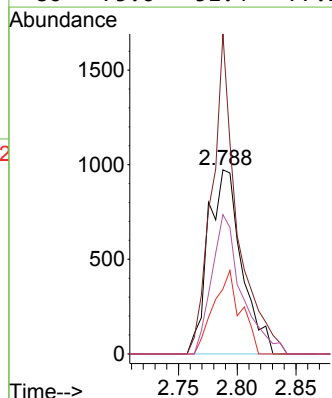
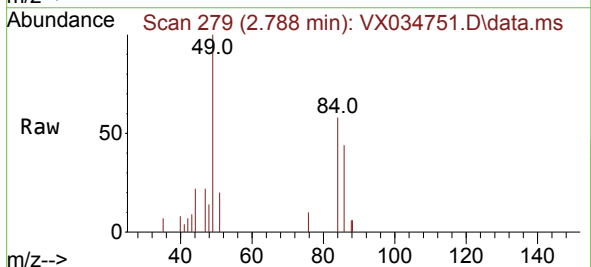
Instrument :
MSVOA_X
ClientSampleId :
B-37-GW01

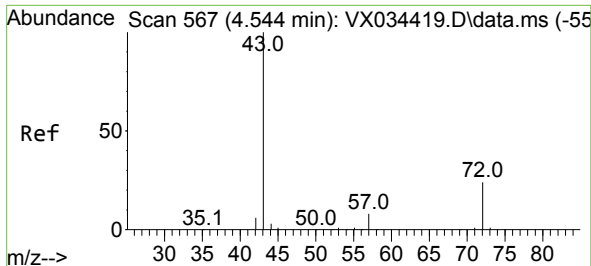
Tgt Ion: 76 Resp: 4392
Ion Ratio Lower Upper
76 100
78 10.4 7.2 10.8



#20
Methylene Chloride
Concen: 0.475 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

Tgt Ion: 84 Resp: 1926
Ion Ratio Lower Upper
84 100
49 173.8 103.8 155.8#
51 35.3 31.8 47.8
86 75.6 51.4 77.2

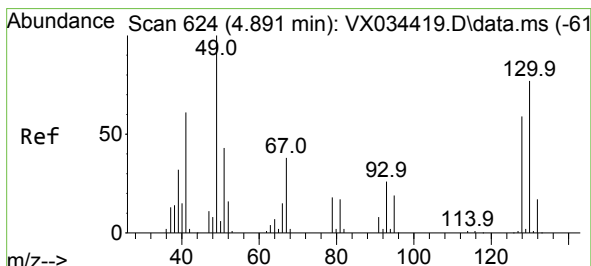
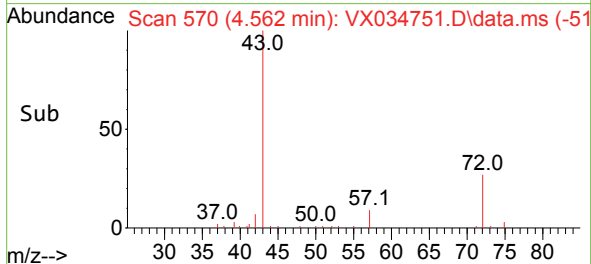
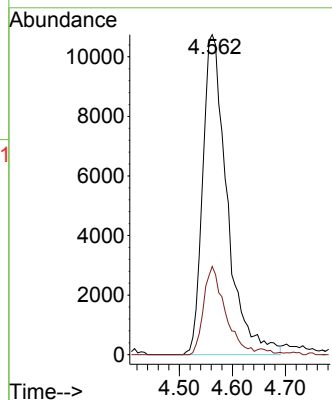
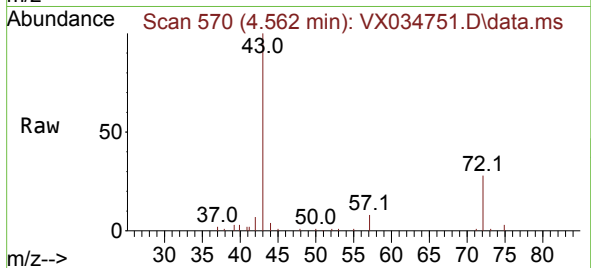




#25
2-Butanone
Concen: 11.473 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

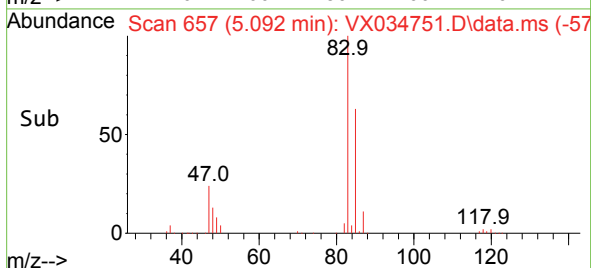
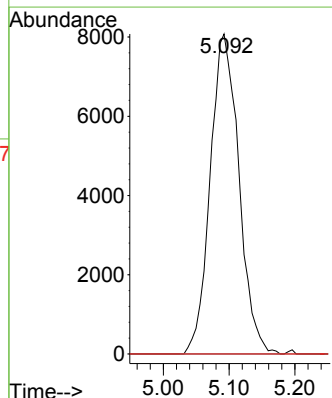
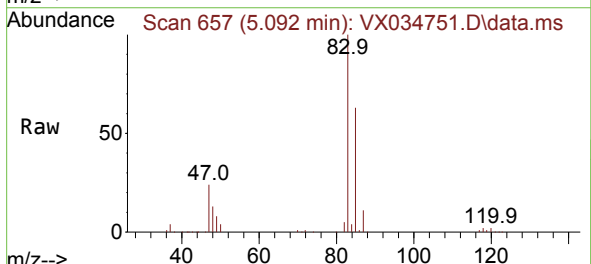
Instrument :
MSVOA_X
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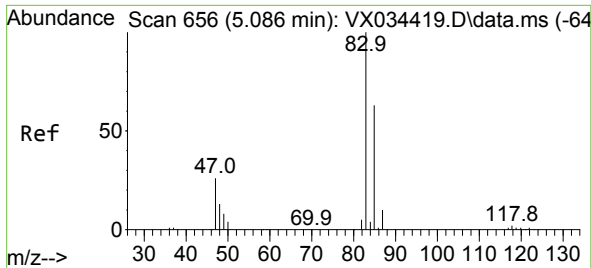
Tgt Ion: 43 Resp: 34269
Ion Ratio Lower Upper
43 100
72 27.5 19.3 28.9



#28
Bromochloromethane
Concen: 7.610 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.201 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

Tgt Ion: 49 Resp: 24518
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 58.2 87.2#

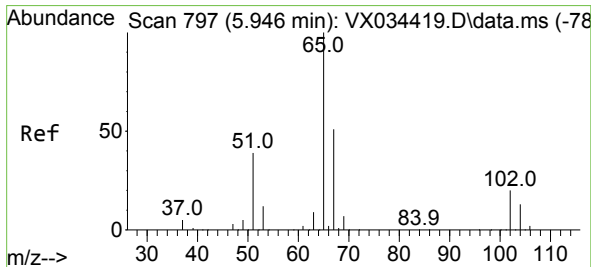
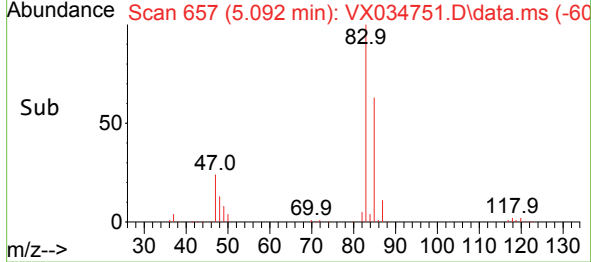
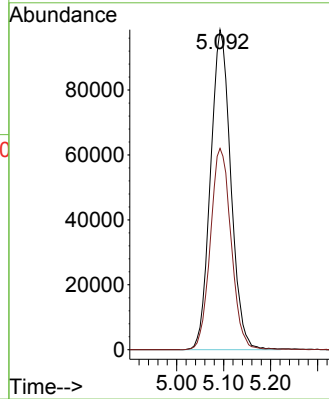
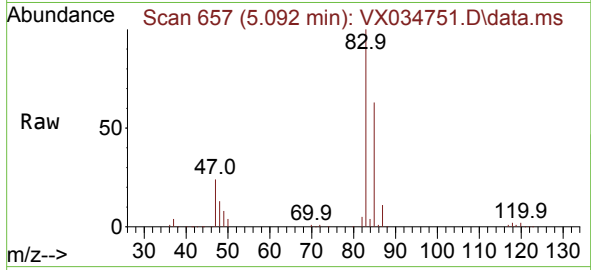




#30
Chloroform
Concen: 43.480 ug/l
RT: 5.092 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

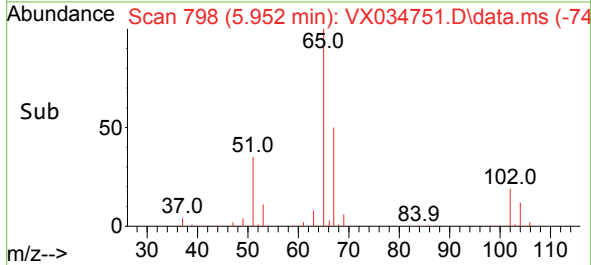
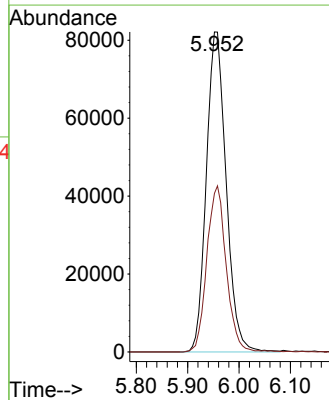
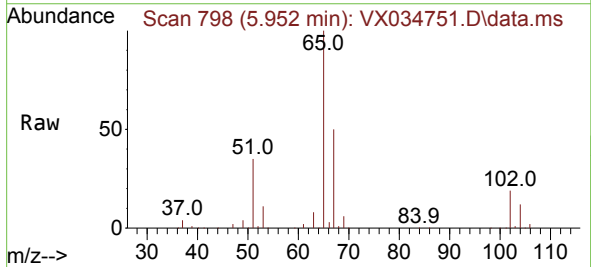
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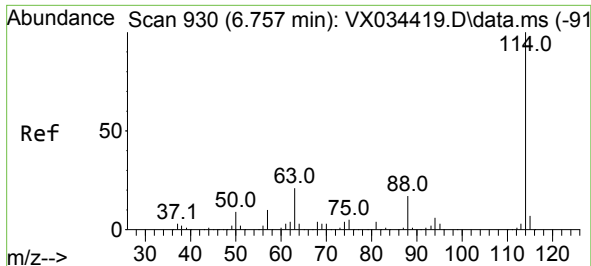
Tgt Ion: 83 Resp: 295334
Ion Ratio Lower Upper
83 100
85 62.9 50.6 76.0



#33
1,2-Dichloroethane-d4
Concen: 49.641 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

Tgt Ion: 65 Resp: 219993
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX034751.D

Acq: 27 Mar 2023 15:49

Instrument :

MSVOA_X

ClientSampleId :

B-37-GW01

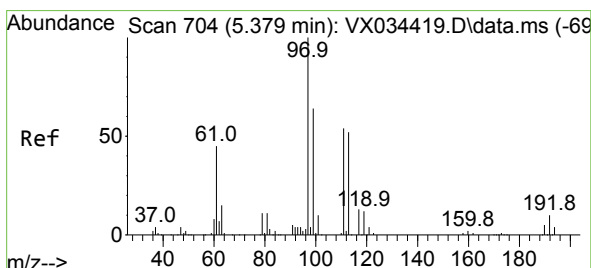
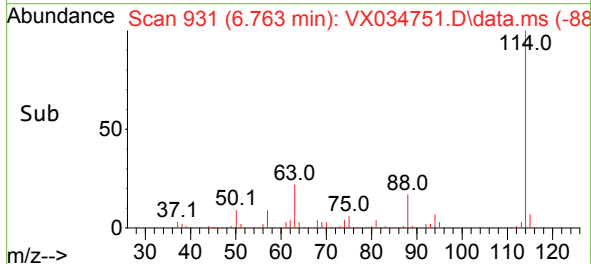
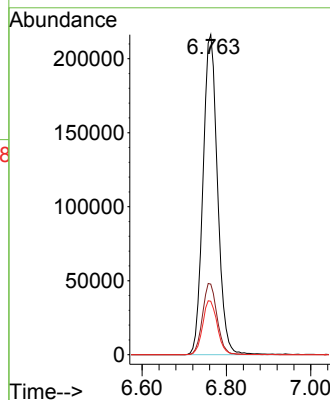
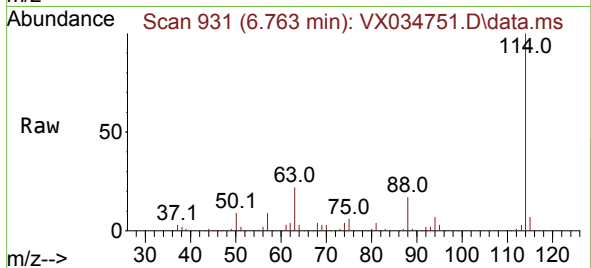
Tgt Ion:114 Resp: 519171

Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.2

88 16.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.485 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX034751.D

Acq: 27 Mar 2023 15:49

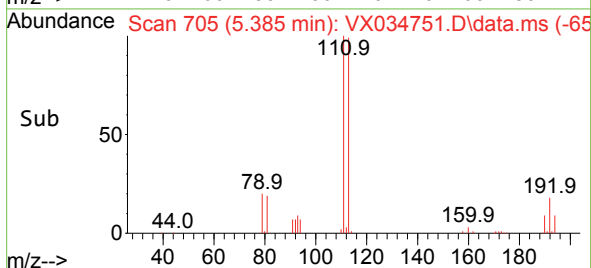
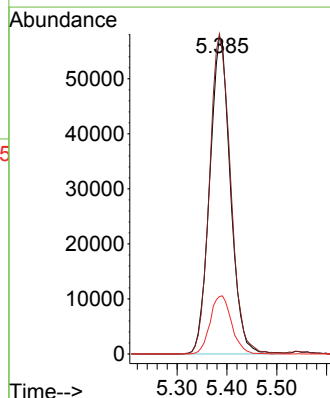
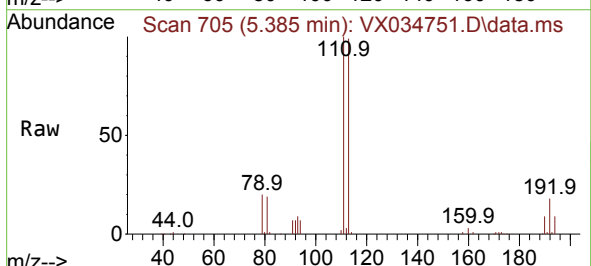
Tgt Ion:113 Resp: 166198

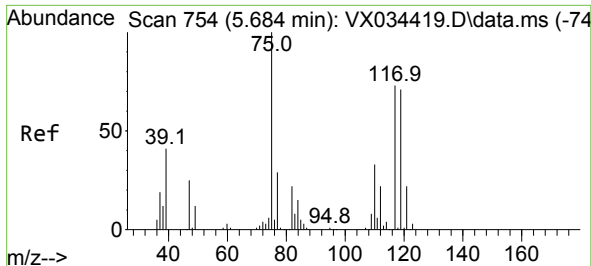
Ion Ratio Lower Upper

113 100

111 102.7 83.7 125.5

192 19.0 15.4 23.2

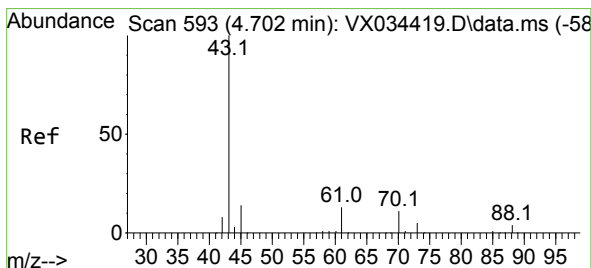
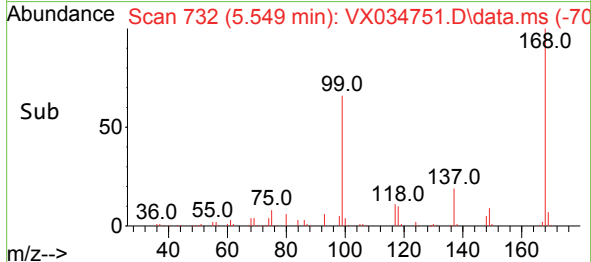
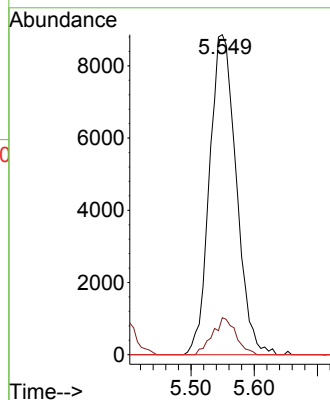
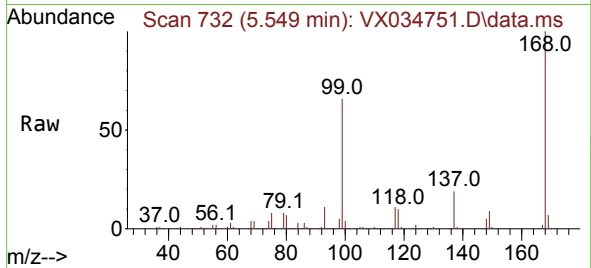




#36
1,1-Dichloropropene
Concen: 4.941 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

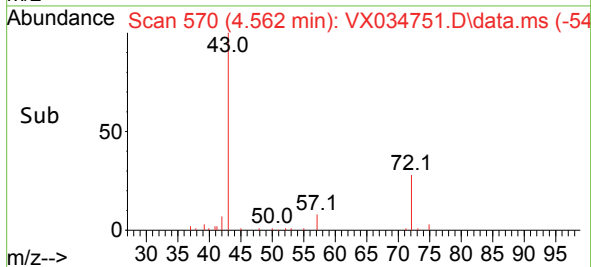
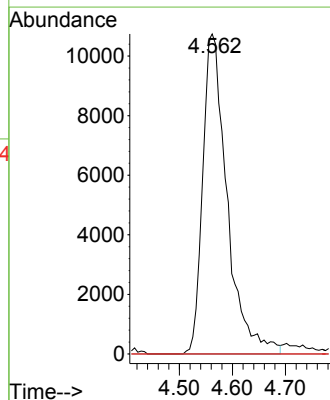
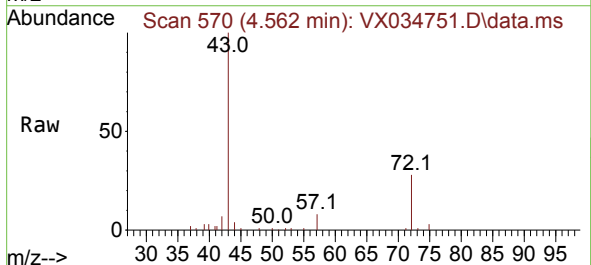
Instrument :
MSVOA_X
ClientSampleId :
B-37-GW01

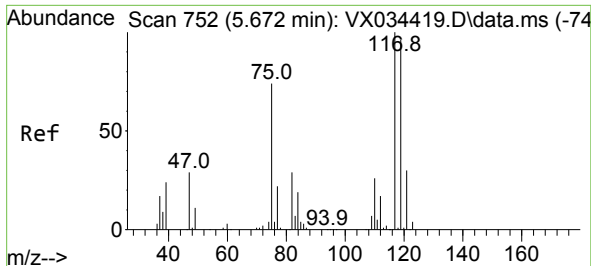
Tgt Ion: 75 Resp: 26013
Ion Ratio Lower Upper
75 100
110 10.1 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 5.958 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.141 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

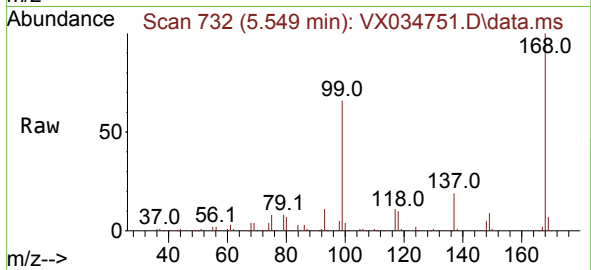
Tgt Ion: 43 Resp: 34269
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 8.2 12.4#



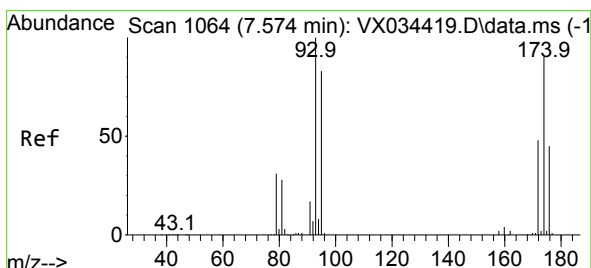
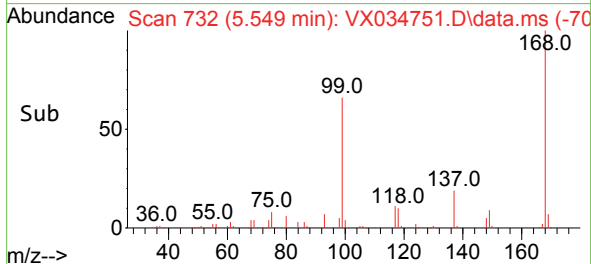
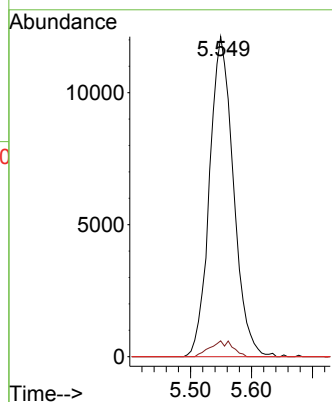


#38
Carbon Tetrachloride
Concen: 6.317 ug/l
RT: 5.549 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

Instrument :
MSVOA_X
ClientSampleId :
B-37-GW01

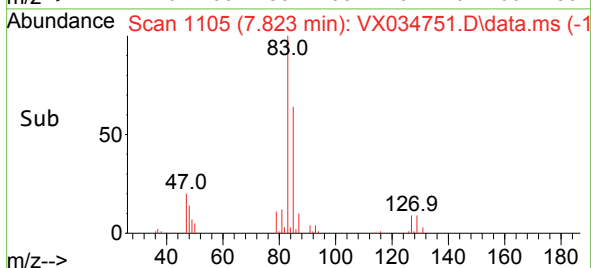
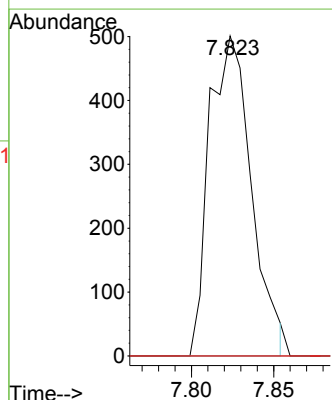
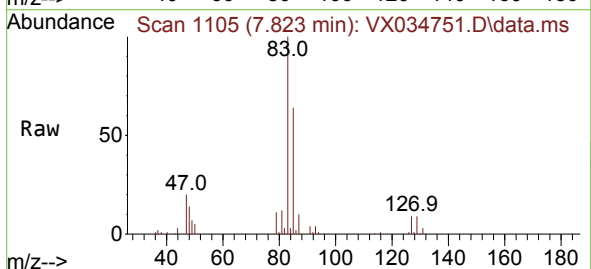


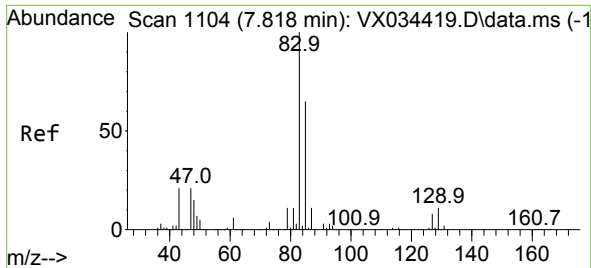
Tgt Ion:117 Resp: 33088
Ion Ratio Lower Upper
117 100
119 4.9 76.6 114.8#
121 0.0 23.8 35.6#



#46
Dibromomethane
Concen: 0.327 ug/l
RT: 7.823 min Scan# 1105
Delta R.T. 0.250 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

Tgt Ion: 93 Resp: 893
Ion Ratio Lower Upper
93 100
95 0.0 66.9 100.3#
174 0.0 75.4 113.0#

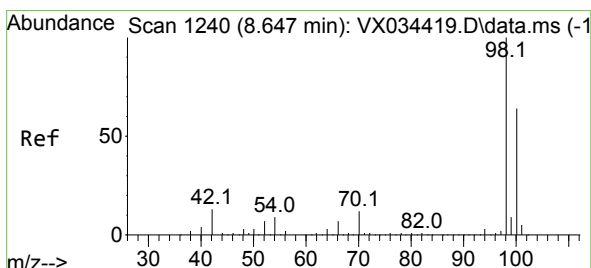
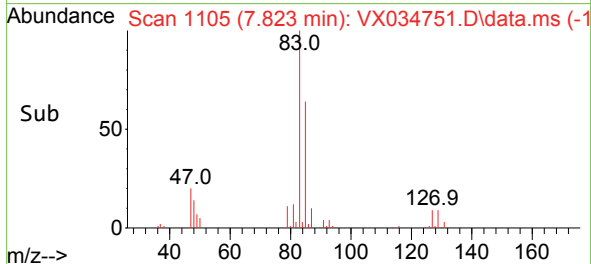
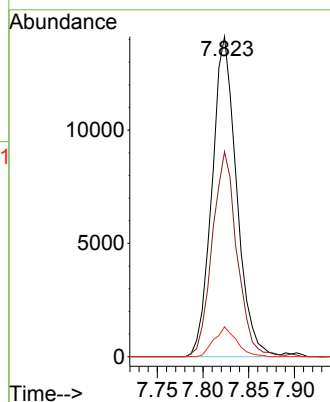
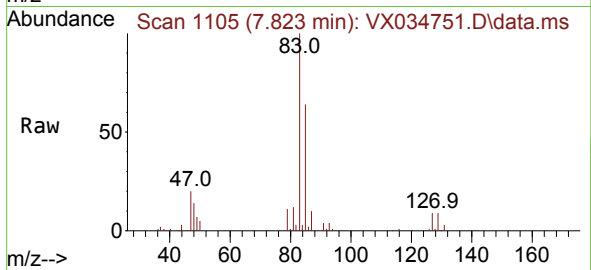




#47
 Bromodichloromethane
 Concen: 5.003 ug/l
 RT: 7.823 min Scan# 1105
 Delta R.T. 0.006 min
 Lab File: VX034751.D
 Acq: 27 Mar 2023 15:49

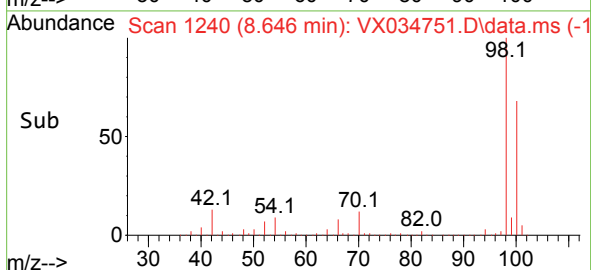
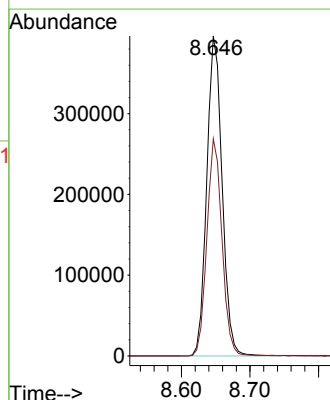
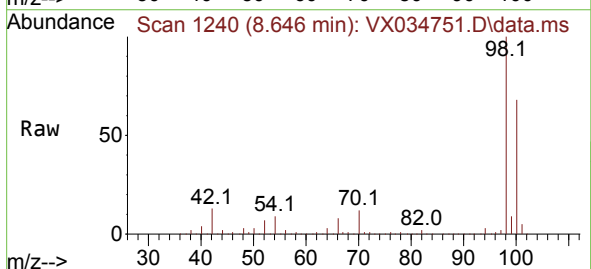
Instrument :
 MSVOA_X
 ClientSampleId :
 B-37-GW01

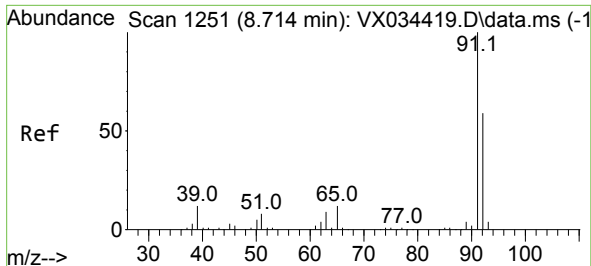
Tgt Ion: 83 Resp: 26472
 Ion Ratio Lower Upper
 83 100
 85 64.1 52.2 78.4
 127 9.3 6.6 9.8



#50
 Toluene-d8
 Concen: 48.290 ug/l
 RT: 8.646 min Scan# 1240
 Delta R.T. -0.000 min
 Lab File: VX034751.D
 Acq: 27 Mar 2023 15:49

Tgt Ion: 98 Resp: 617930
 Ion Ratio Lower Upper
 98 100
 100 66.8 52.5 78.7

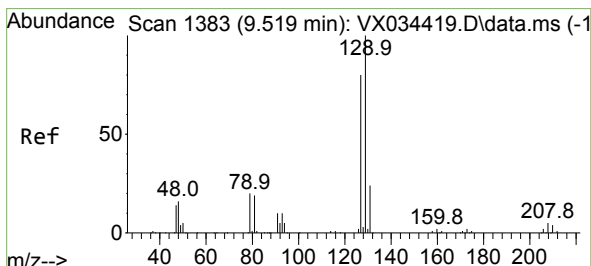
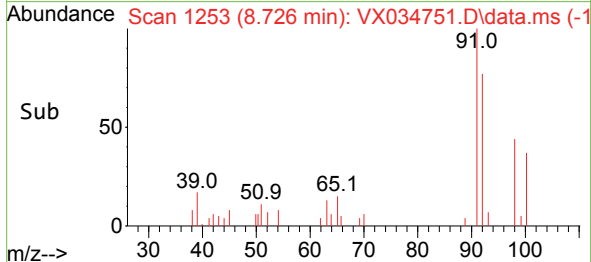
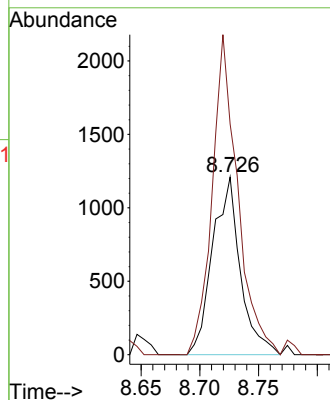
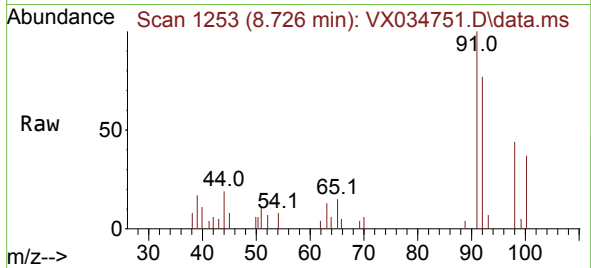




#52
Toluene
Concen: 0.209 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

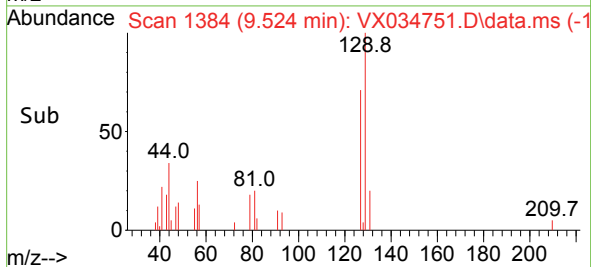
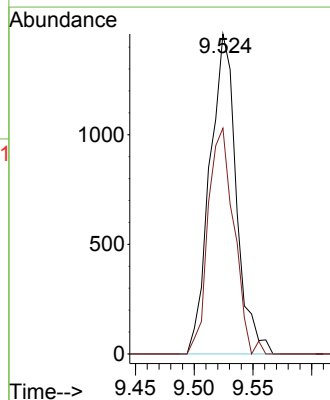
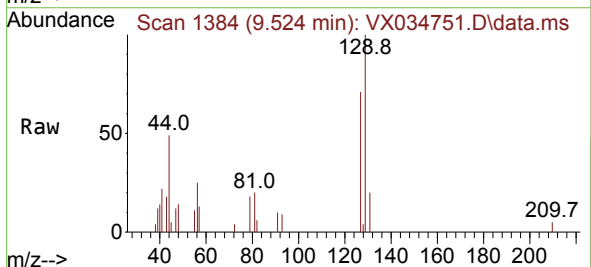
Instrument :
MSVOA_X
ClientSampleId :
B-37-GW01

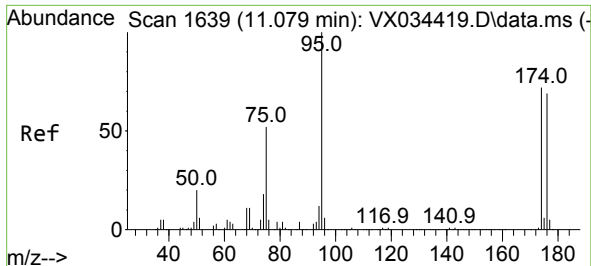
Tgt Ion: 92 Resp: 1991
Ion Ratio Lower Upper
92 100
91 165.1 136.8 205.2



#60
Dibromochloromethane
Concen: 0.577 ug/l
RT: 9.524 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

Tgt Ion: 129 Resp: 2292
Ion Ratio Lower Upper
129 100
127 68.7 39.0 117.0

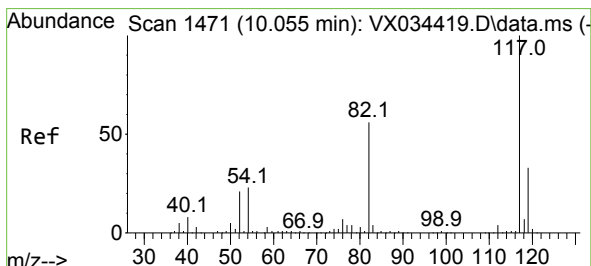
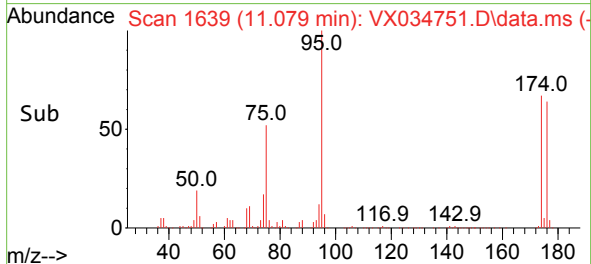
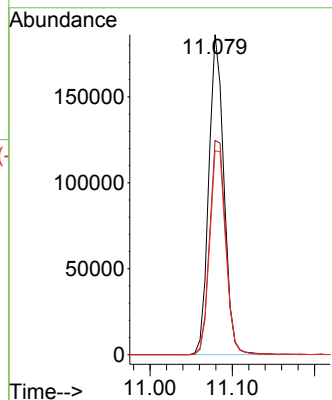
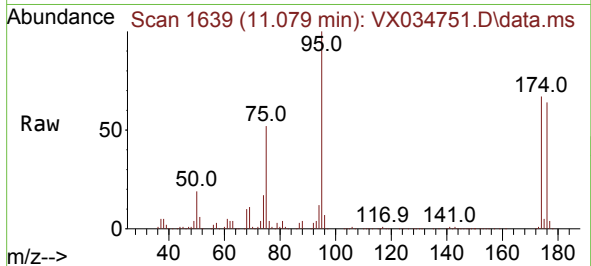




#62
4-Bromofluorobenzene
Concen: 45.929 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

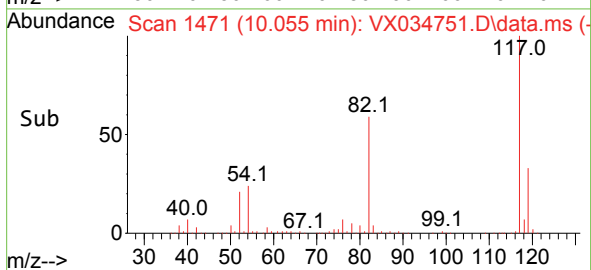
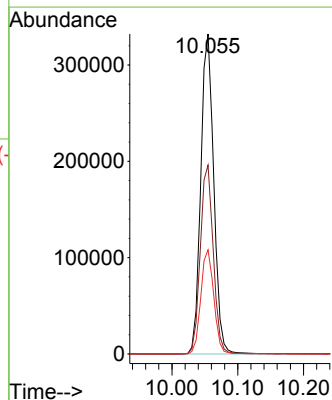
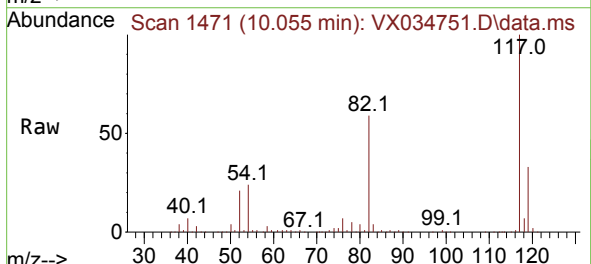
Instrument :
MSVOA_X
ClientSampleId :
B-37-GW01

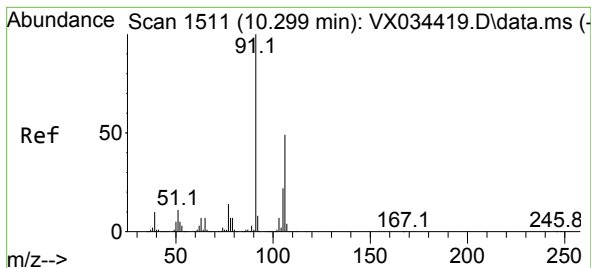
Tgt Ion: 95 Resp: 237395
Ion Ratio Lower Upper
95 100
174 71.8 0.0 147.4
176 68.0 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

Tgt Ion: 117 Resp: 455631
Ion Ratio Lower Upper
117 100
82 59.0 45.0 67.4
119 32.6 26.0 39.0

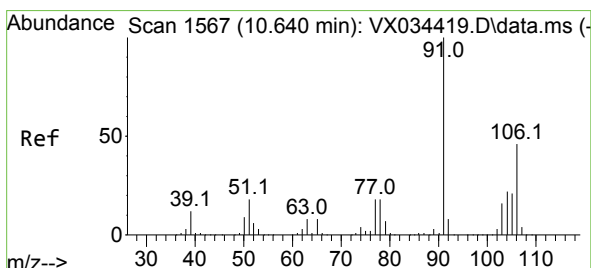
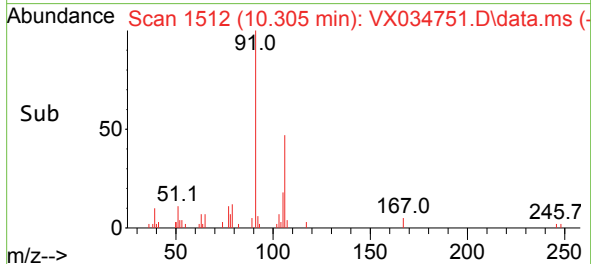
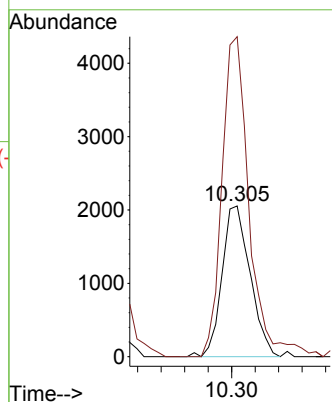
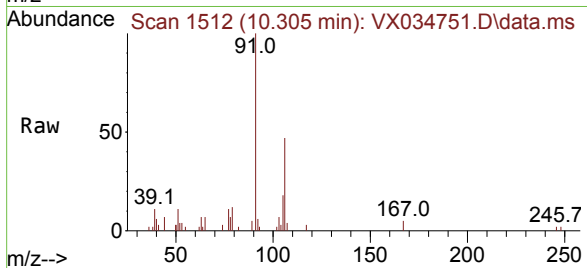




#68
m/p-Xylenes
Concen: 0.496 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

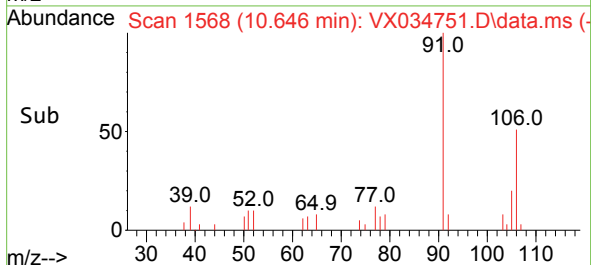
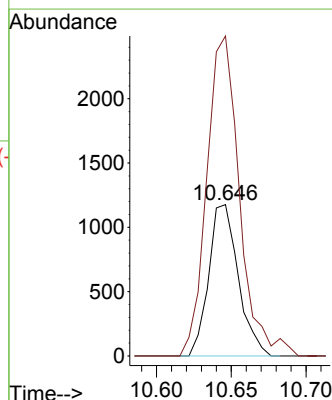
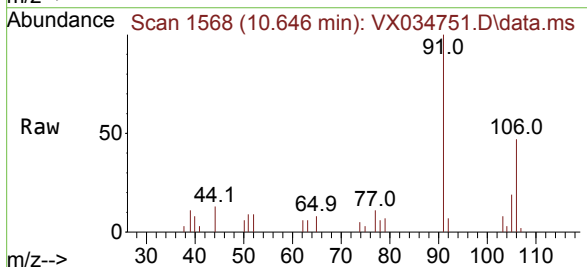
Instrument :
MSVOA_X
ClientSampleId :
B-37-GW01

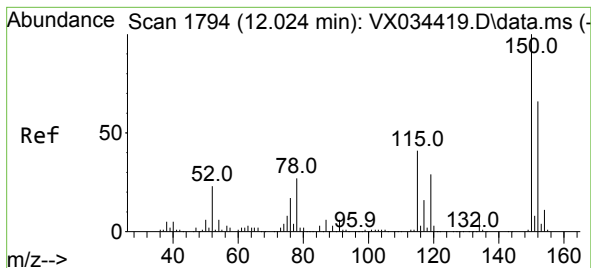
Tgt Ion:106 Resp: 3408
Ion Ratio Lower Upper
106 100
91 205.0 164.0 246.0



#69
o-Xylene
Concen: 0.234 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX034751.D
Acq: 27 Mar 2023 15:49

Tgt Ion:106 Resp: 1613
Ion Ratio Lower Upper
106 100
91 234.7 108.5 325.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034751.D

Acq: 27 Mar 2023 15:49

Instrument :

MSVOA_X

ClientSampleId :

B-37-GW01

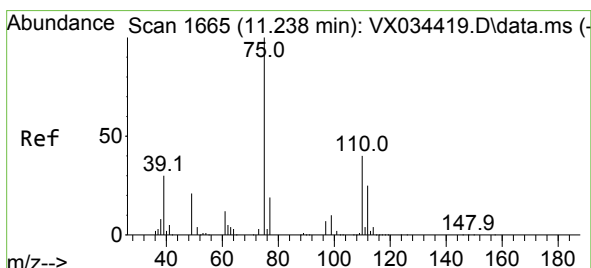
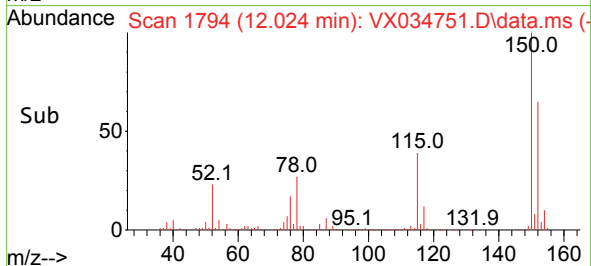
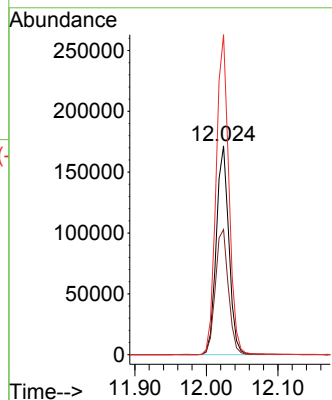
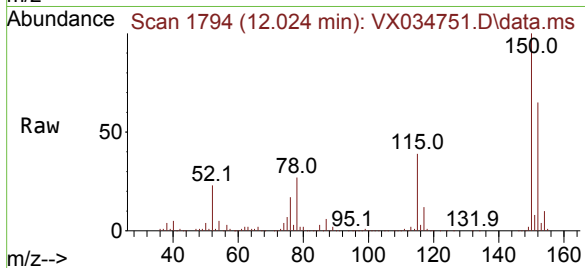
Tgt Ion:152 Resp: 210091

Ion Ratio Lower Upper

152 100

115 61.9 45.0 135.0

150 155.0 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 26.059 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034751.D

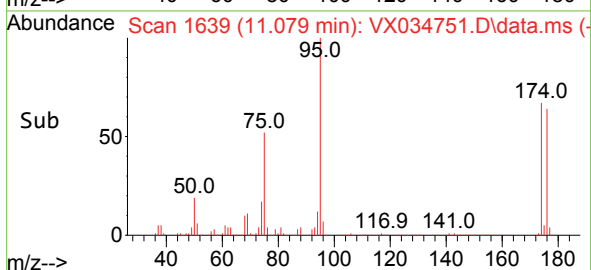
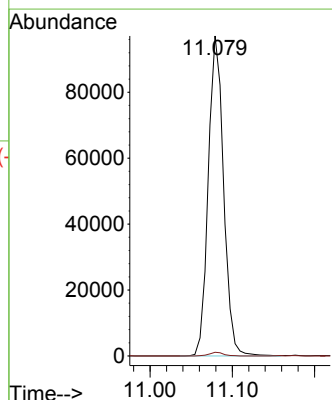
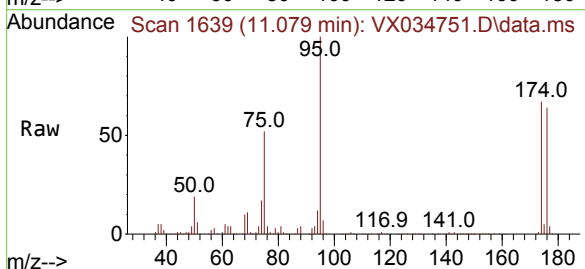
Acq: 27 Mar 2023 15:49

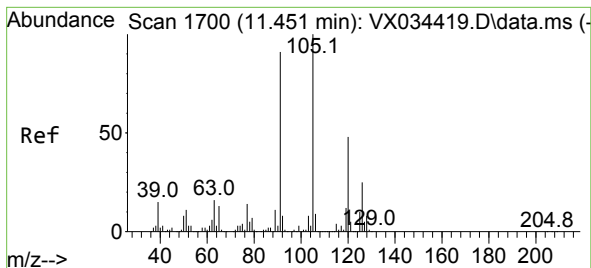
Tgt Ion: 75 Resp: 125708

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#





#80

1,3,5-Trimethylbenzene

Concen: 0.330 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX034751.D

Acq: 27 Mar 2023 15:49

Instrument :

MSVOA_X

ClientSampleId :

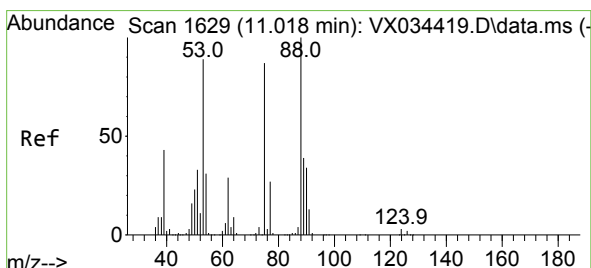
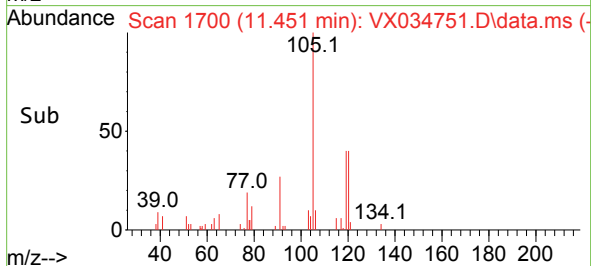
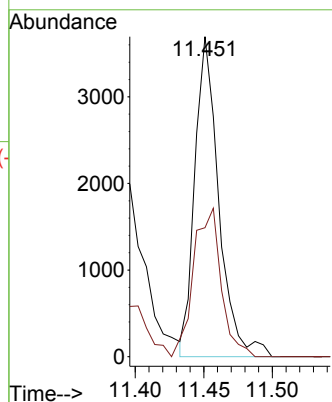
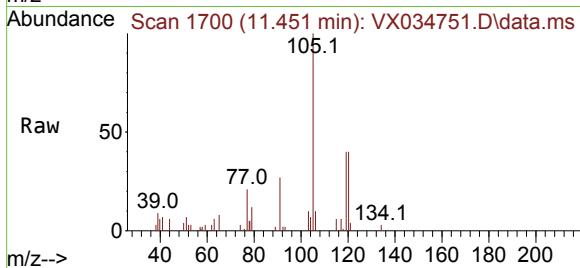
B-37-GW01

Tgt Ion:105 Resp: 4490

Ion Ratio Lower Upper

105 100

120 53.5 23.7 71.1



#81

trans-1,4-Dichloro-2-butene

Concen: 70.498 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034751.D

Acq: 27 Mar 2023 15:49

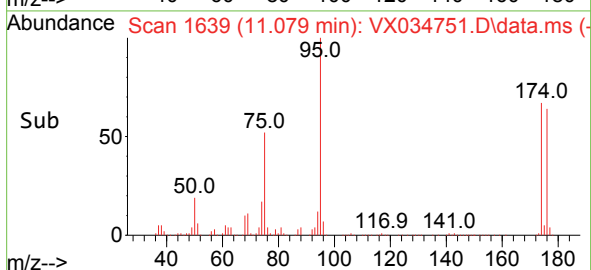
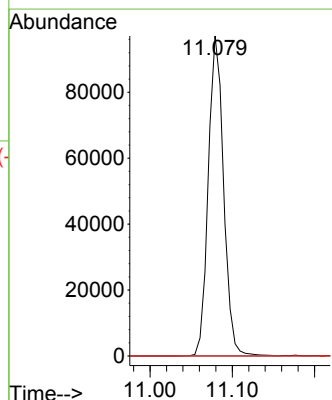
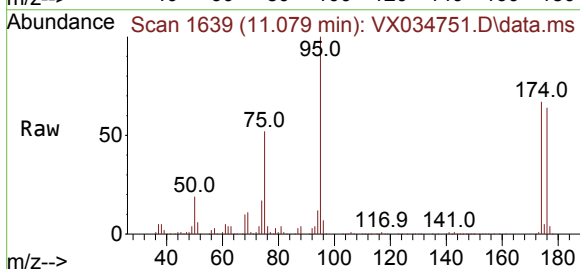
Tgt Ion: 75 Resp: 125708

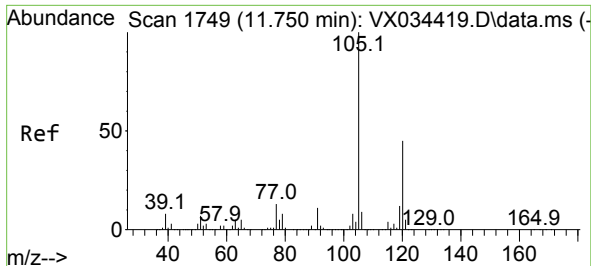
Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

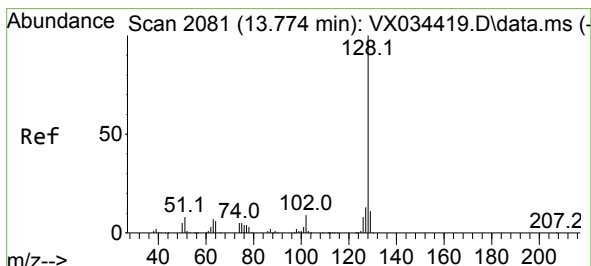
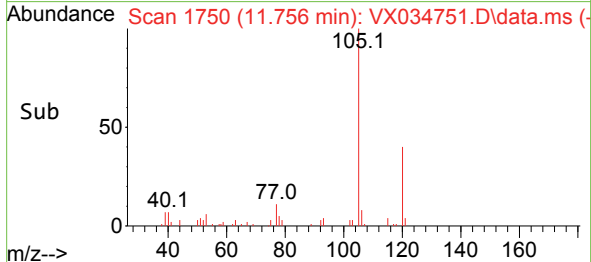
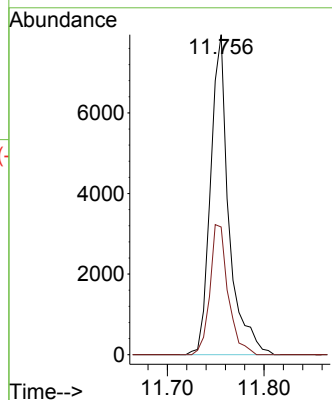
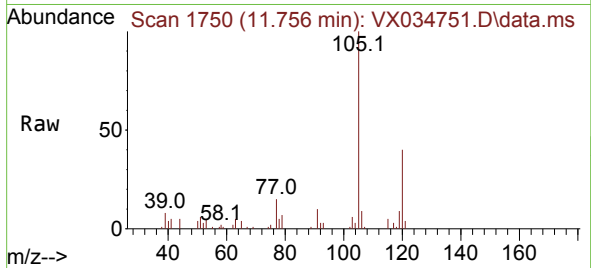




#84
 1,2,4-Trimethylbenzene
 Concen: 0.750 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX034751.D
 Acq: 27 Mar 2023 15:49

Instrument :
 MSVOA_X
 ClientSampleId :
 B-37-GW01

Tgt Ion:105 Resp: 10444
 Ion Ratio Lower Upper
 105 100
 120 40.3 22.4 67.0



#95
 Naphthalene
 Concen: 3.662 ug/l
 RT: 13.774 min Scan# 2081
 Delta R.T. -0.000 min
 Lab File: VX034751.D
 Acq: 27 Mar 2023 15:49

Tgt Ion:128 Resp: 56651
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.2 15.4
 129 10.7 8.6 13.0

