

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090523\
 Data File : VX037533.D
 Acq On : 06 Sep 2023 05:34
 Operator : JC/MD
 Sample : 04232-04DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SBG-4DL

Quant Time: Sep 06 06:27:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

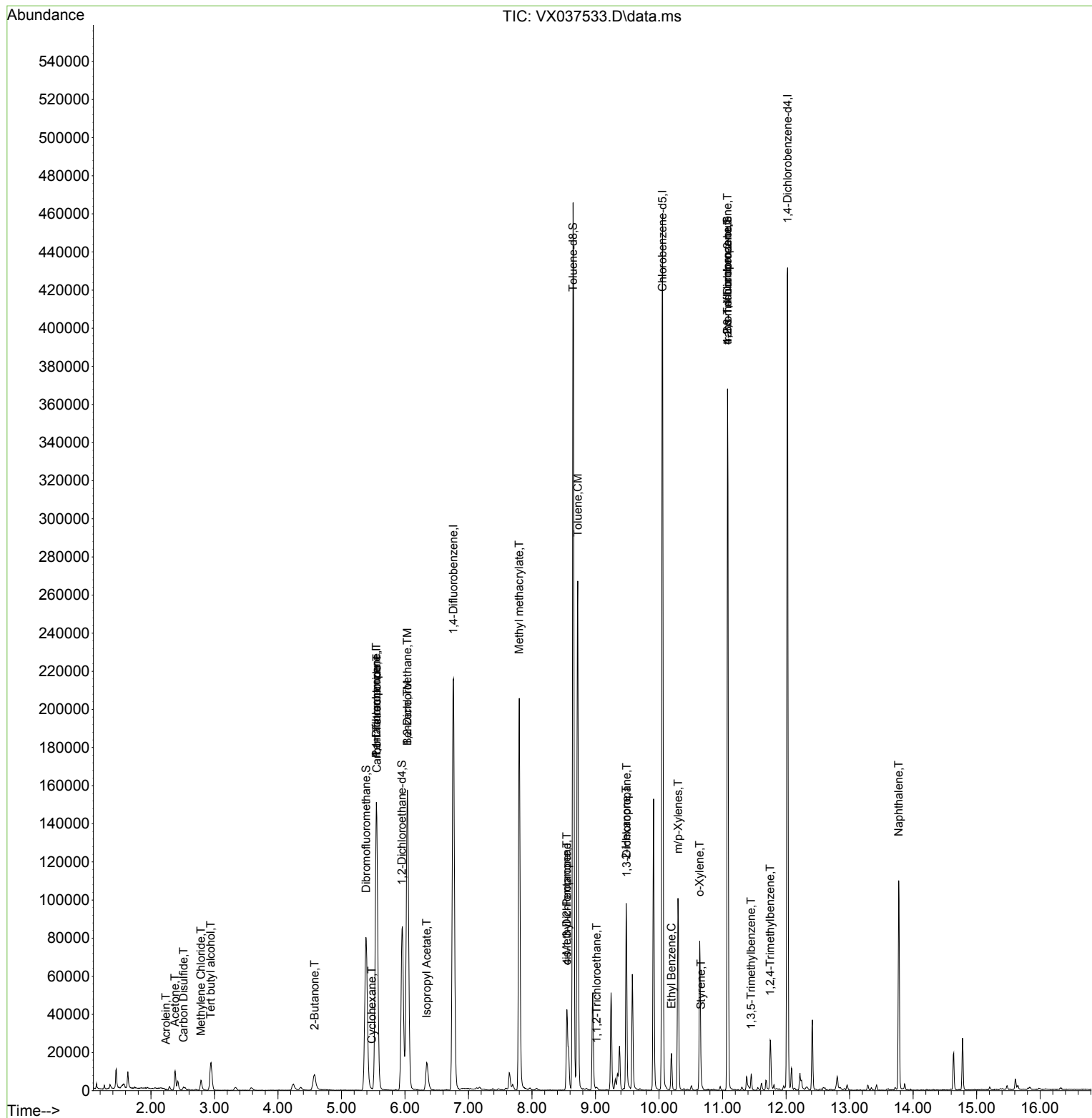
Internal Standards						
1) Pentafluorobenzene	5.550	168	143083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	236619	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85320	41.361	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	82.720%		
35) Dibromofluoromethane	5.385	113	73301	46.776	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.560%		
50) Toluene-d8	8.647	98	282496	49.697	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.400%		
62) 4-Bromofluorobenzene	11.079	95	101862	45.599	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.200%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.941	59	9118	18.843	ug/l #	81
13) Acrolein	2.233	56	130	0.353	ug/l #	34
16) Acetone	2.380	43	10786	13.366	ug/l #	89
17) Carbon Disulfide	2.514	76	1819	0.486	ug/l #	92
20) Methylene Chloride	2.788	84	2868	1.589	ug/l	94
25) 2-Butanone	4.574	43	4457	3.668	ug/l #	81
31) Cyclohexane	5.477	56	494	0.213	ug/l #	75
36) 1,1-Dichloropropene	5.550	75	10904	4.898	ug/l #	51
38) Carbon Tetrachloride	5.556	117	14826	6.130	ug/l #	15
40) Benzene	6.038	78	202035	31.641	ug/l	97
42) 1,2-Dichloroethane	6.038	62	1702	0.680	ug/l #	77
43) Isopropyl Acetate	6.342	43	20353	5.637	ug/l #	92
48) Methyl methacrylate	7.799	41	17403	9.883	ug/l #	46
51) 4-Methyl-2-Pentanone	8.549	43	12892	5.880	ug/l #	37
52) Toluene	8.720	92	106660	25.282	ug/l	100
54) cis-1,3-Dichloropropene	8.549	75	8082	2.957	ug/l #	52
55) 1,1,2-Trichloroethane	9.019	97	745	0.434	ug/l #	17
57) 1,3-Dichloropropane	9.488	76	922	0.318	ug/l #	42
59) 2-Hexanone	9.482	43	10719	6.412	ug/l #	61
67) Ethyl Benzene	10.195	91	12176	1.525	ug/l	98
68) m/p-Xylenes	10.299	106	23998	7.785	ug/l	98
69) o-Xylene	10.640	106	14971	4.922	ug/l	98
70) Styrene	10.659	104	3825	0.763	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	48989	23.672	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	3764	0.639	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	48989	66.116	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	12024	2.019	ug/l	85
95) Naphthalene	13.774	128	72653	8.963	ug/l	99

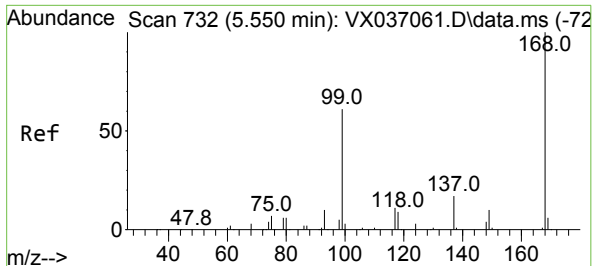
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090523\
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ClientSampleId :
SBG-4DL

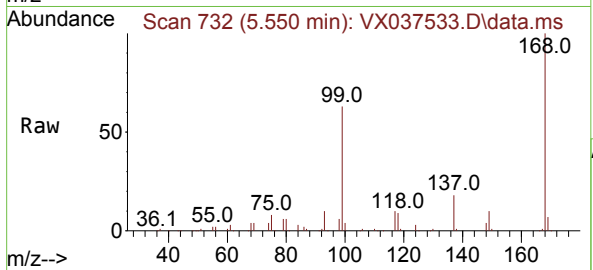
Quant Time: Sep 06 06:27:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
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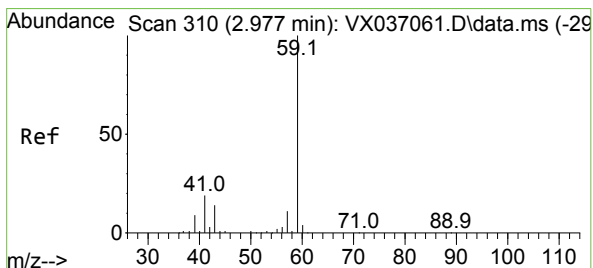
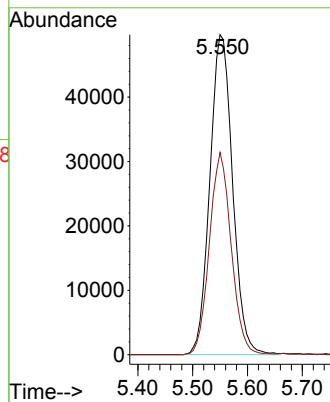
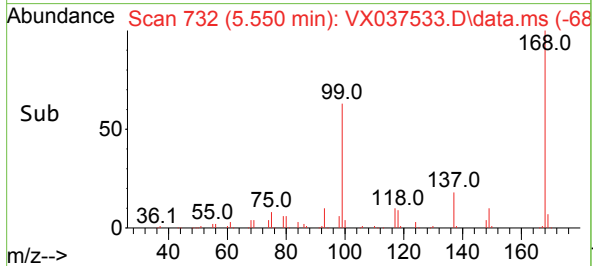


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

Instrument :
MSVOA_X
ClientSampleId :
SBG-4DL

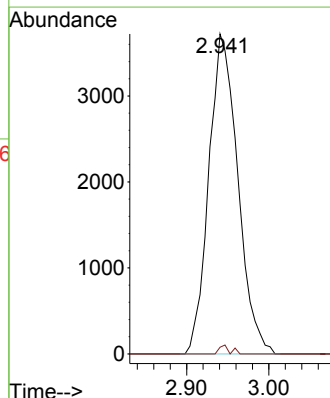
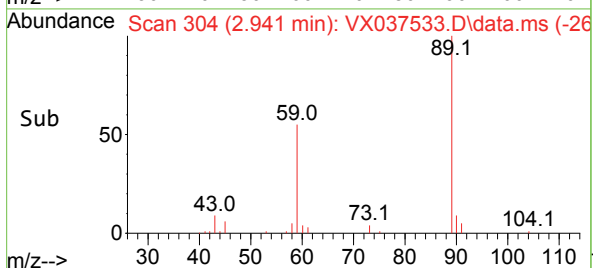
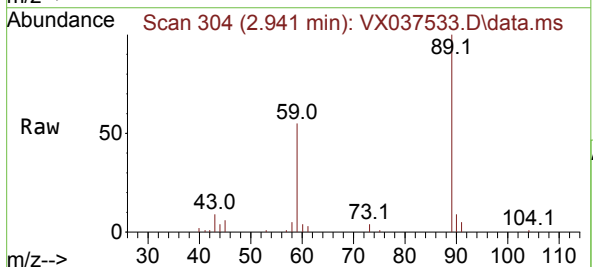


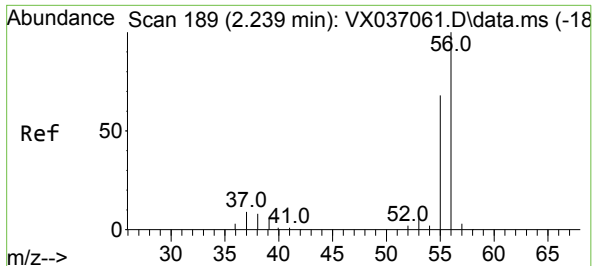
Tgt Ion:168 Resp: 143083
Ion Ratio Lower Upper
168 100
99 63.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 18.843 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

Tgt Ion: 59 Resp: 9118
Ion Ratio Lower Upper
59 100
57 1.0 6.0 9.0#

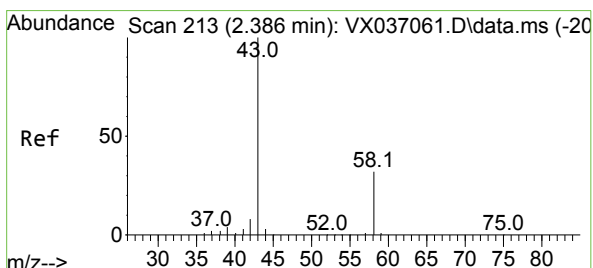
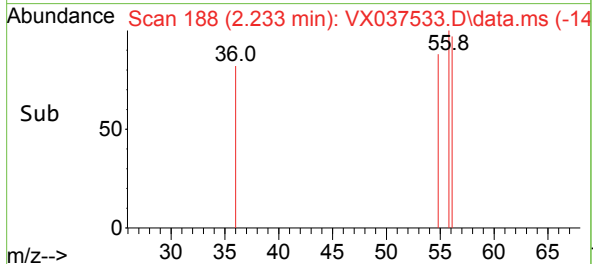
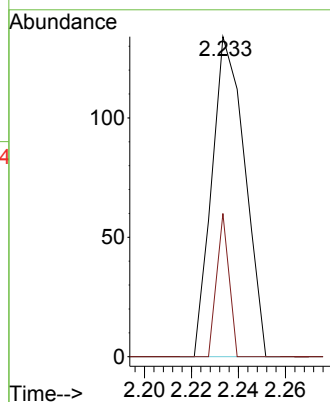
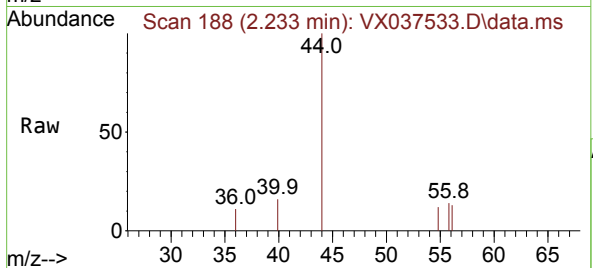




#13
Acrolein
Concen: 0.353 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

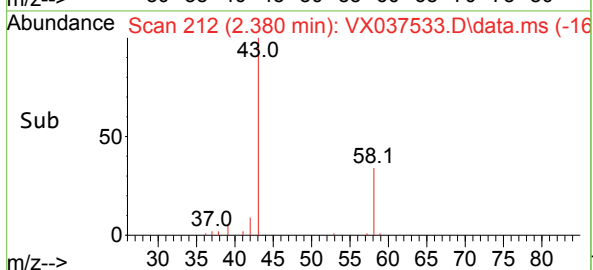
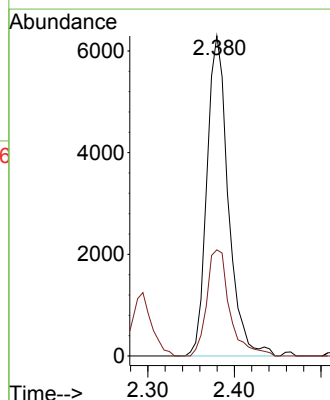
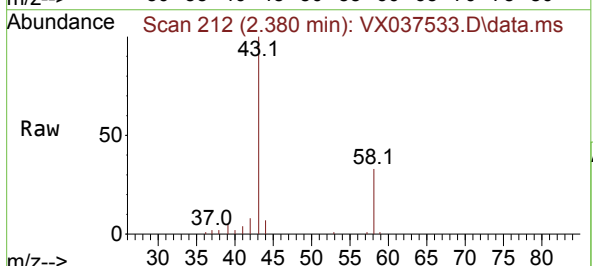
Instrument :
MSVOA_X
ClientSampleId :
SBG-4DL

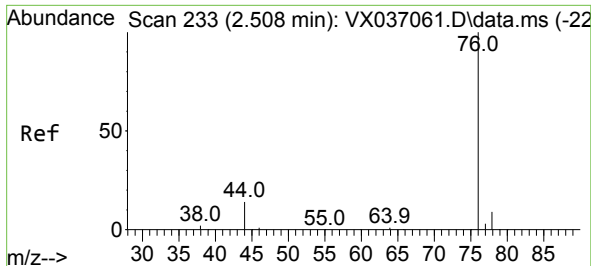
Tgt Ion: 56 Resp: 130
Ion Ratio Lower Upper
56 100
55 16.9 57.1 85.7#



#16
Acetone
Concen: 13.366 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

Tgt Ion: 43 Resp: 10786
Ion Ratio Lower Upper
43 100
58 33.2 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.486 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX037533.D

Acq: 06 Sep 2023 05:34

Instrument :

MSVOA_X

ClientSampleId :

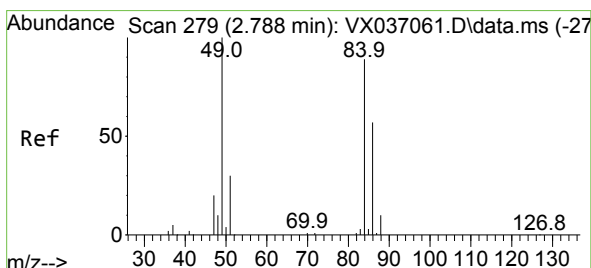
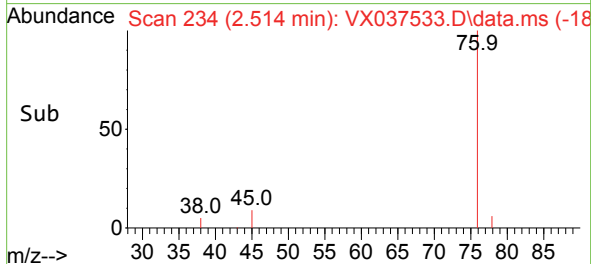
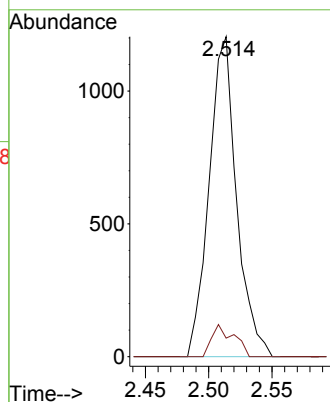
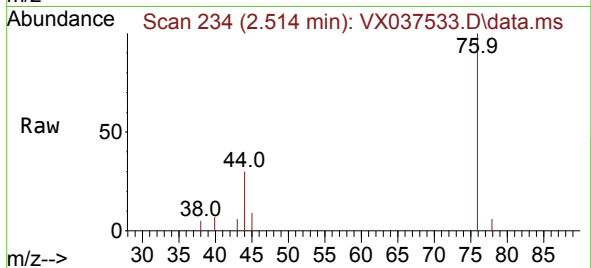
SBG-4DL

Tgt Ion: 76 Resp: 1819

Ion Ratio Lower Upper

76 100

78 5.8 7.0 10.6#



#20

Methylene Chloride

Concen: 1.589 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037533.D

Acq: 06 Sep 2023 05:34

Tgt Ion: 84 Resp: 2868

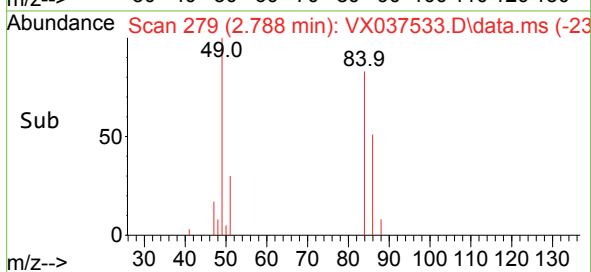
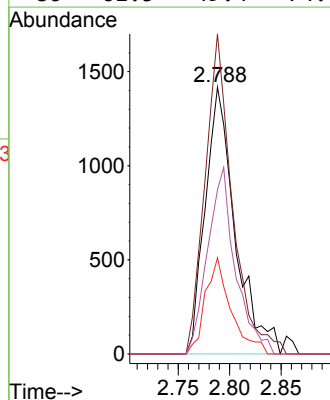
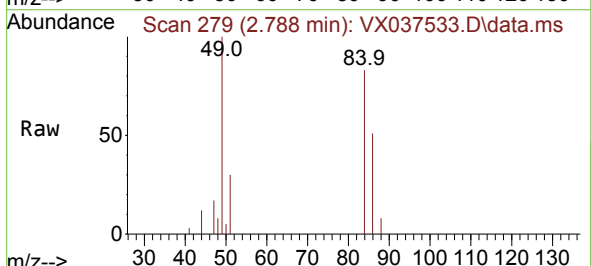
Ion Ratio Lower Upper

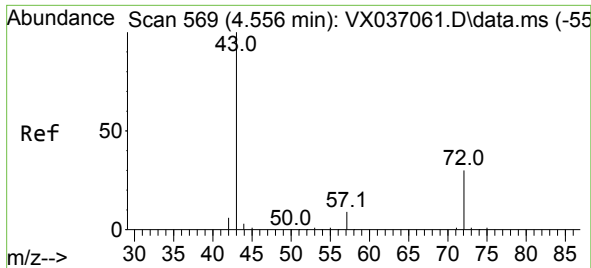
84 100

49 120.0 103.6 155.4

51 36.1 33.8 50.6

86 61.5 49.4 74.0

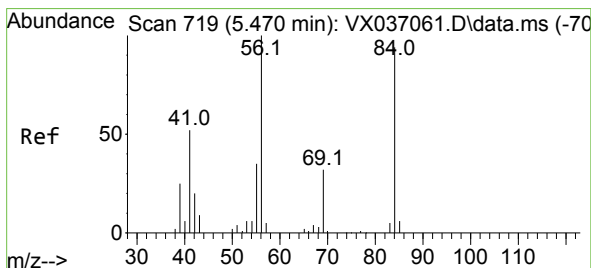
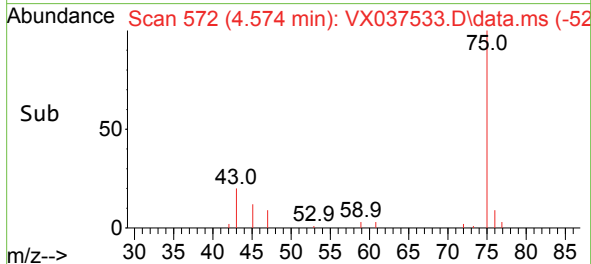
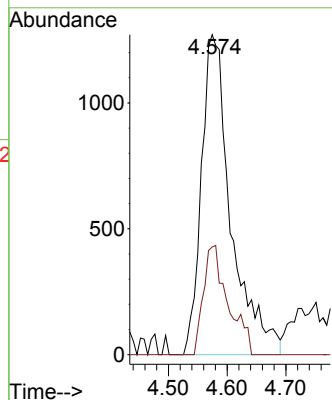
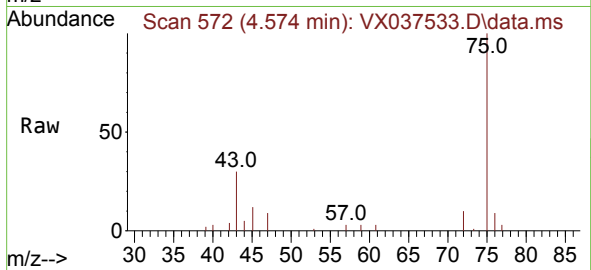




#25
2-Butanone
Concen: 3.668 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

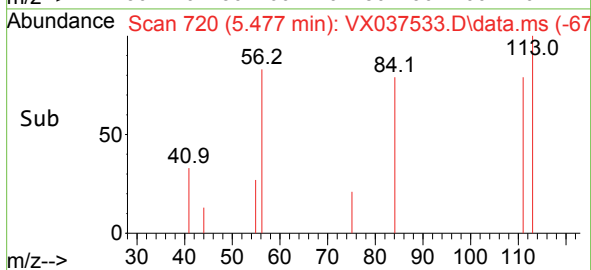
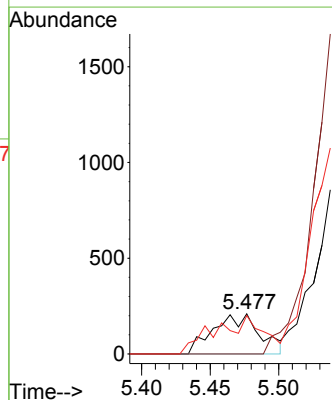
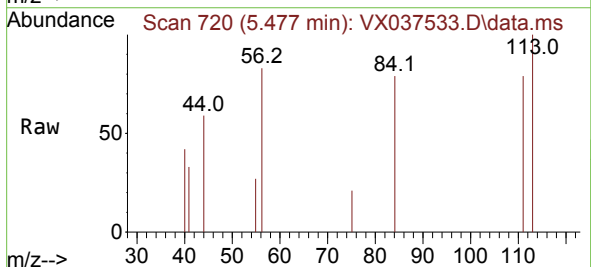
Instrument :
MSVOA_X
ClientSampleId :
SBG-4DL

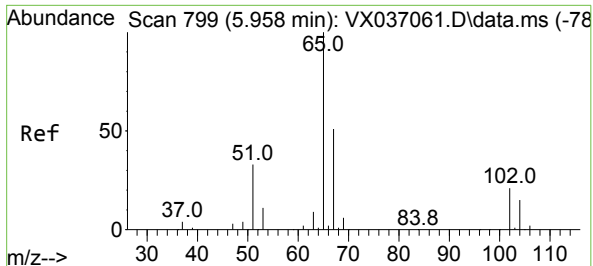
Tgt Ion: 43 Resp: 4457
Ion Ratio Lower Upper
43 100
72 33.7 19.4 29.2#



#31
Cyclohexane
Concen: 0.213 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.006 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

Tgt Ion: 56 Resp: 494
Ion Ratio Lower Upper
56 100
69 0.0 23.4 35.2#
84 95.7 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 41.361 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037533.D

Acq: 06 Sep 2023 05:34

Instrument :

MSVOA_X

ClientSampleId :

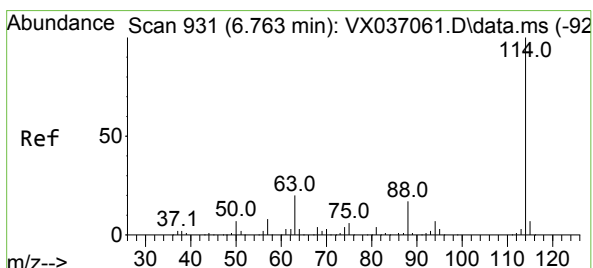
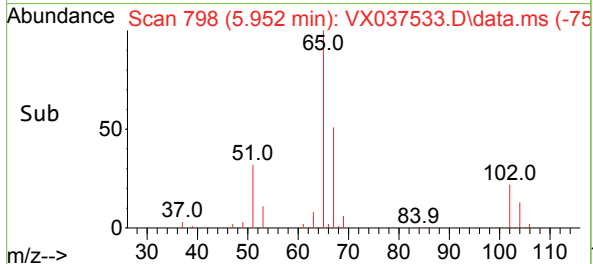
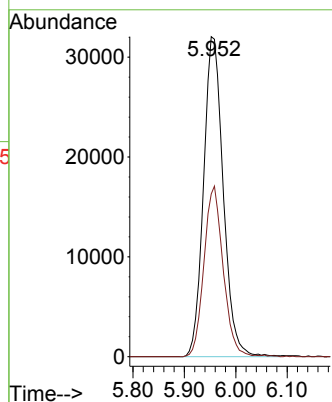
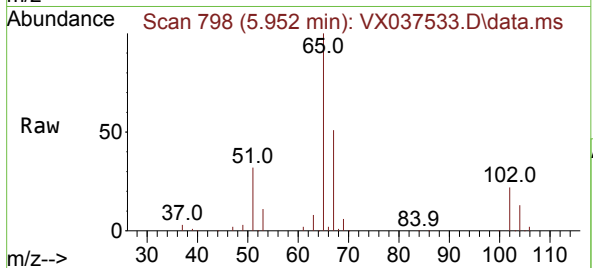
SBG-4DL

Tgt Ion: 65 Resp: 85320

Ion Ratio Lower Upper

65 100

67 52.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX037533.D

Acq: 06 Sep 2023 05:34

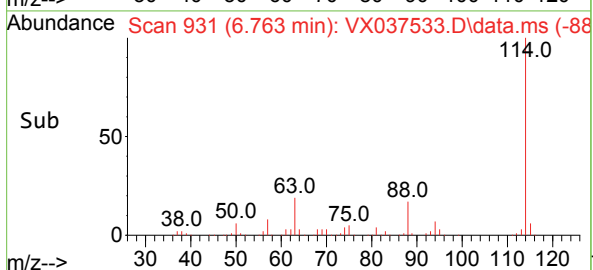
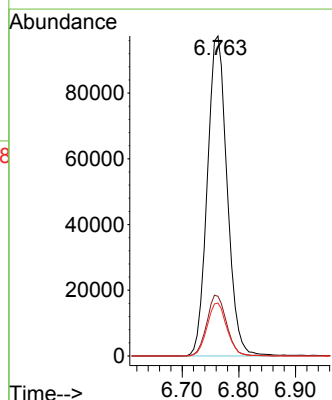
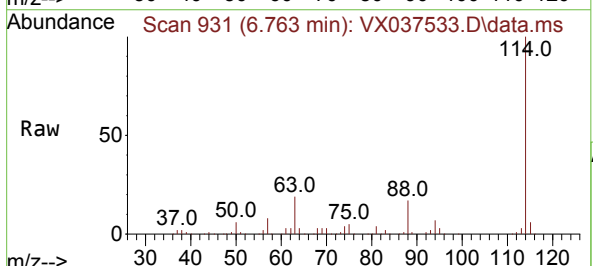
Tgt Ion: 114 Resp: 236619

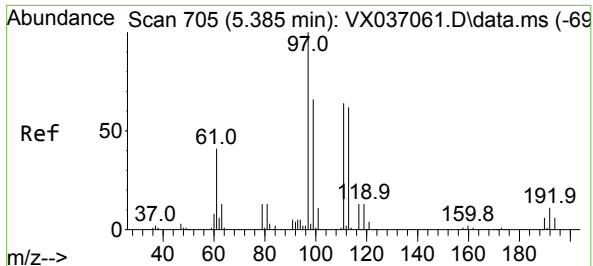
Ion Ratio Lower Upper

114 100

63 18.6 0.0 45.0

88 16.6 0.0 36.6

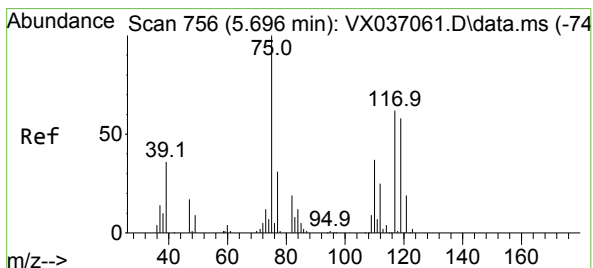
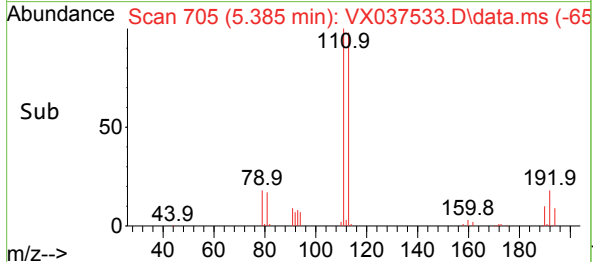
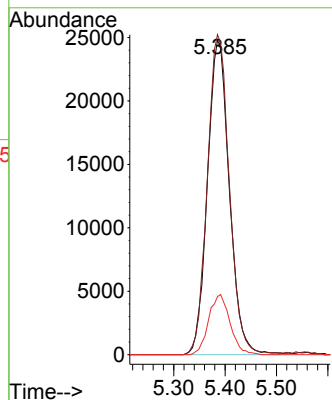
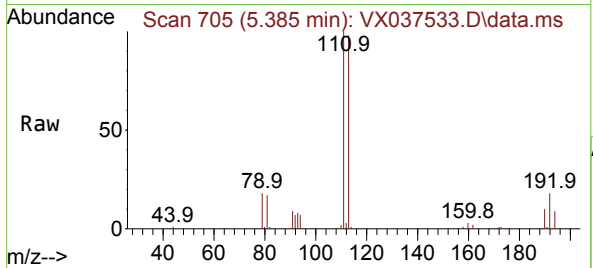




#35
Dibromofluoromethane
Concen: 46.776 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

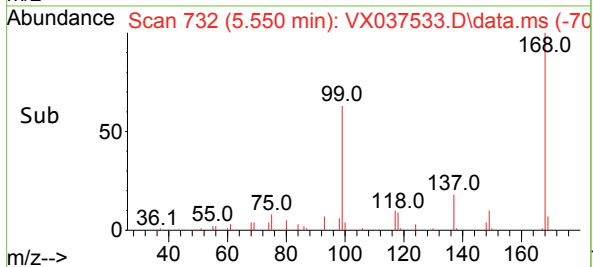
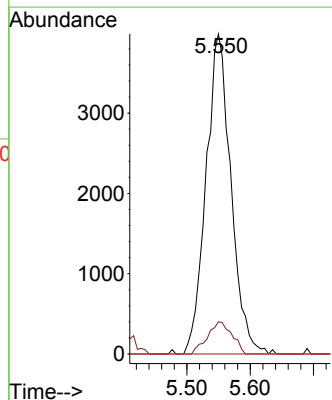
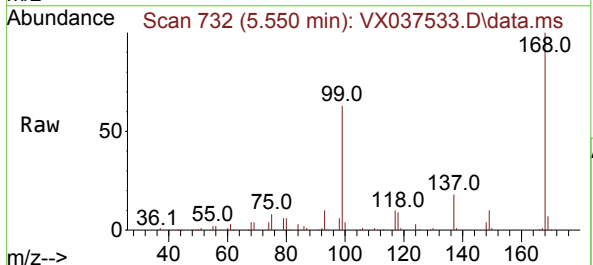
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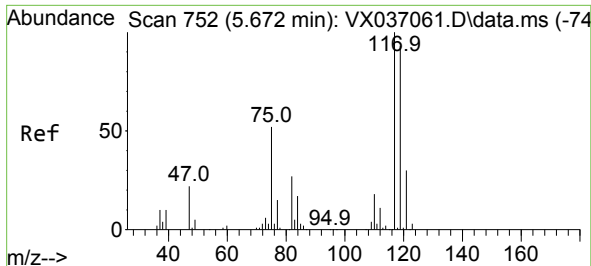
Tgt Ion:113 Resp: 73301
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 18.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.898 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

Tgt Ion: 75 Resp: 10904
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.7 37.1#

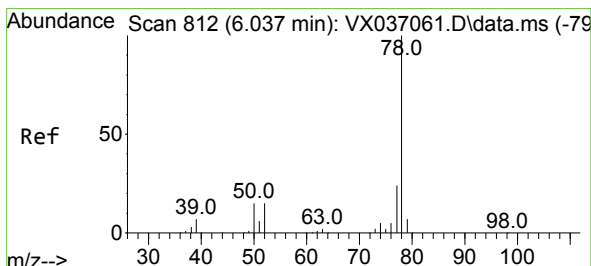
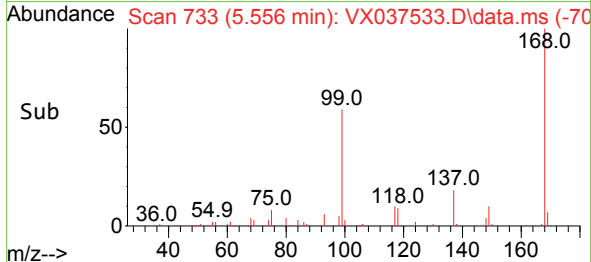
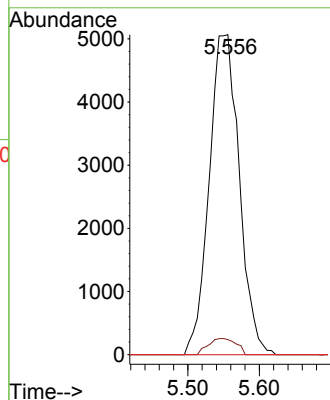
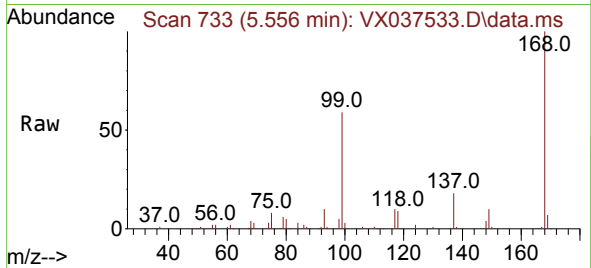




#38
Carbon Tetrachloride
Concen: 6.130 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

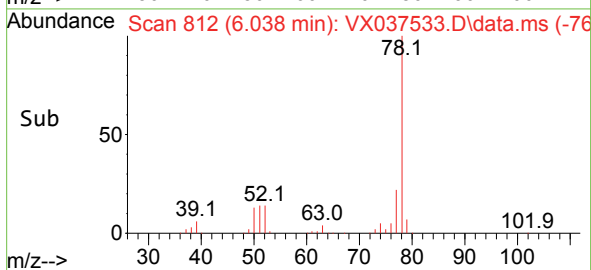
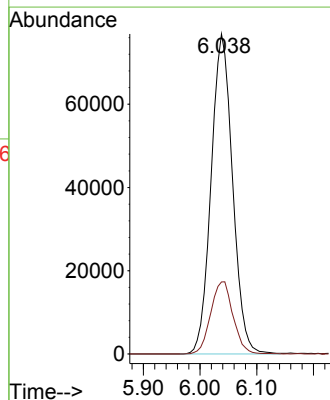
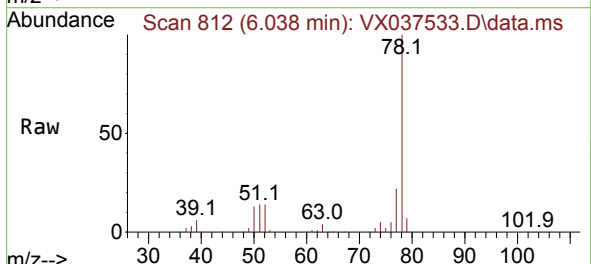
Instrument :
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ClientSampleId :
SBG-4DL

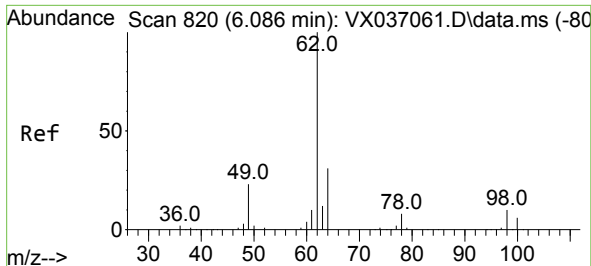
Tgt Ion:117 Resp: 14826
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 31.641 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

Tgt Ion: 78 Resp: 202035
Ion Ratio Lower Upper
78 100
77 22.5 19.3 28.9





#42

1,2-Dichloroethane

Concen: 0.680 ug/l

RT: 6.038 min Scan# 812

Delta R.T. -0.049 min

Lab File: VX037533.D

Acq: 06 Sep 2023 05:34

Instrument :

MSVOA_X

ClientSampleId :

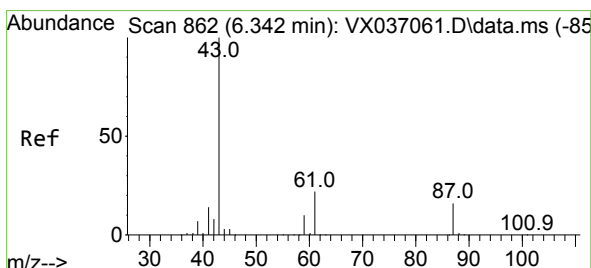
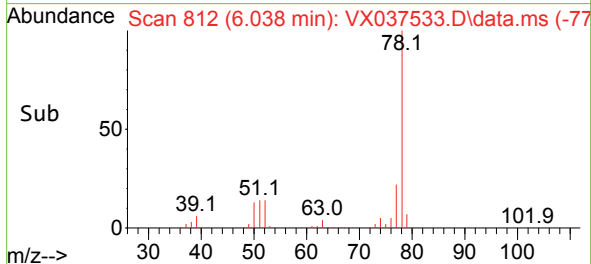
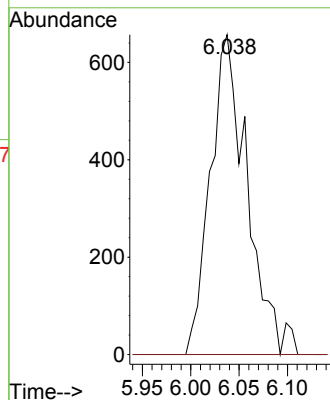
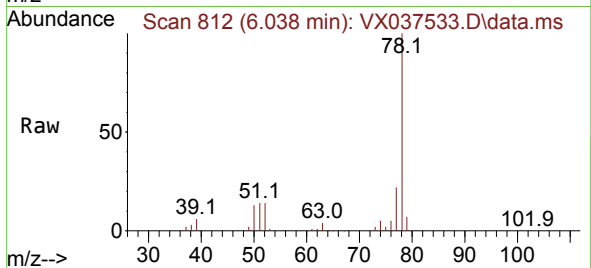
SBG-4DL

Tgt Ion: 62 Resp: 1702

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#43

Isopropyl Acetate

Concen: 5.637 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX037533.D

Acq: 06 Sep 2023 05:34

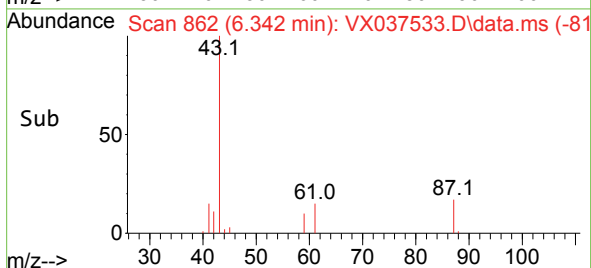
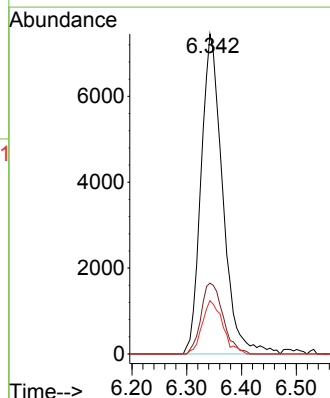
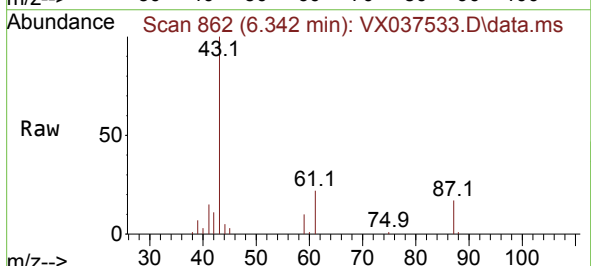
Tgt Ion: 43 Resp: 20353

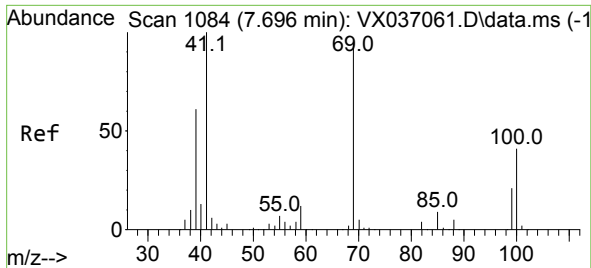
Ion Ratio Lower Upper

43 100

61 22.5 15.2 22.8

87 15.9 9.8 14.6#

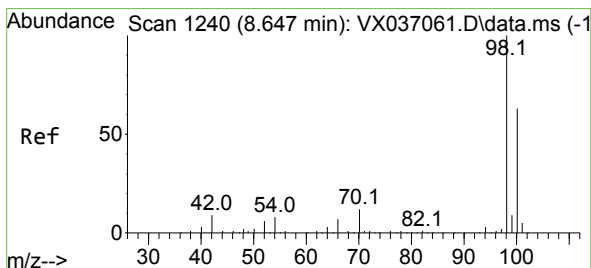
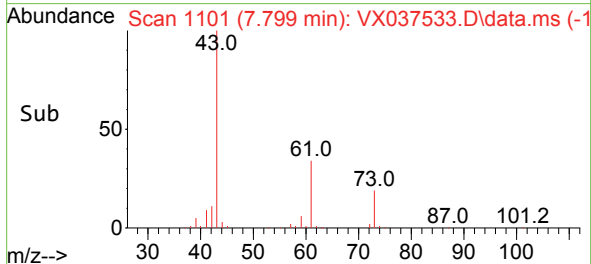
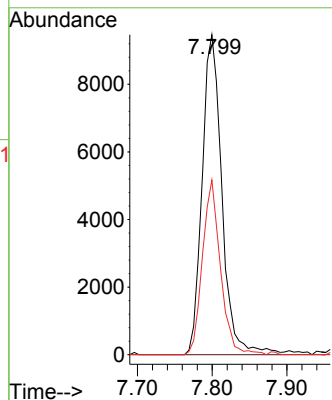
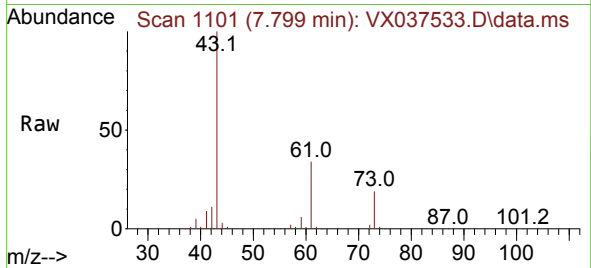




#48
Methyl methacrylate
Concen: 9.883 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

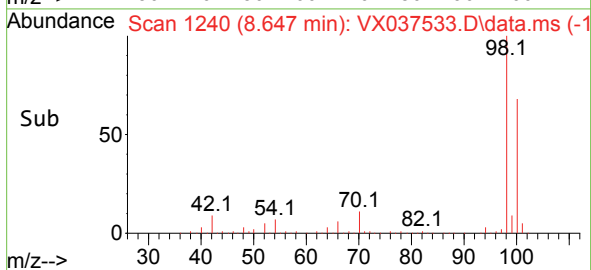
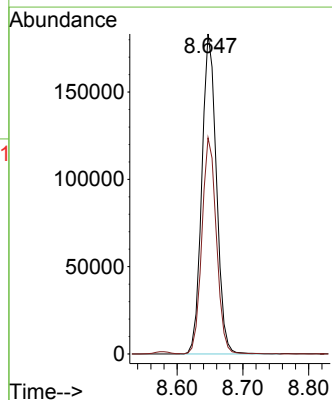
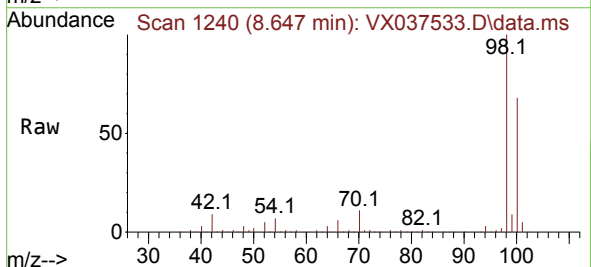
Instrument :
MSVOA_X
ClientSampleId :
SBG-4DL

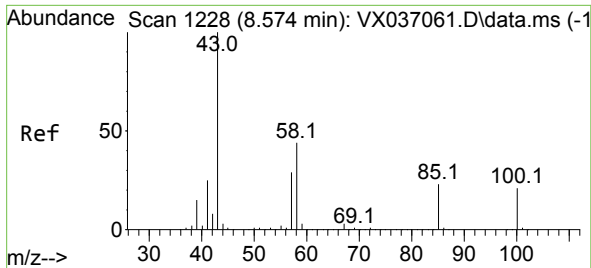
Tgt Ion: 41 Resp: 17403
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 49.6 47.7 71.5



#50
Toluene-d8
Concen: 49.697 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

Tgt Ion: 98 Resp: 282496
Ion Ratio Lower Upper
98 100
100 67.3 53.1 79.7

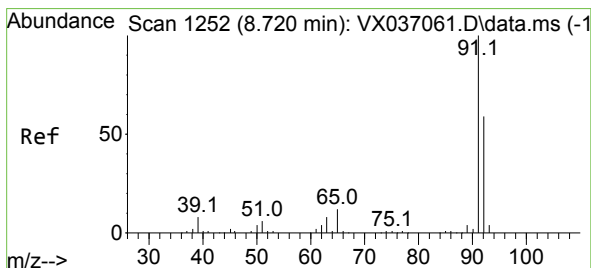
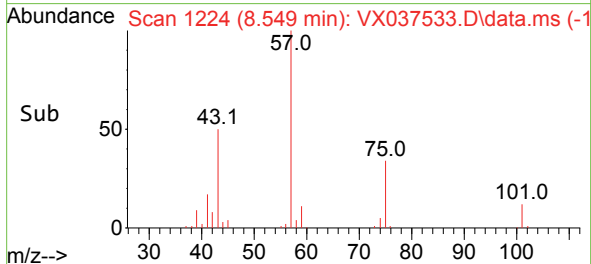
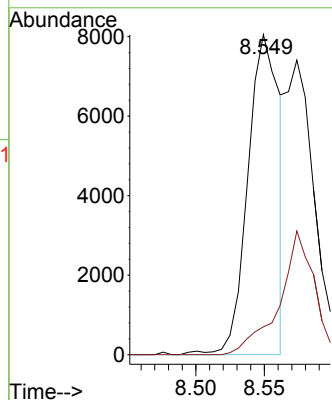
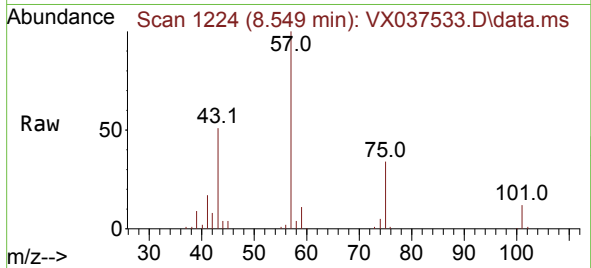




#51
4-Methyl-2-Pentanone
Concen: 5.880 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

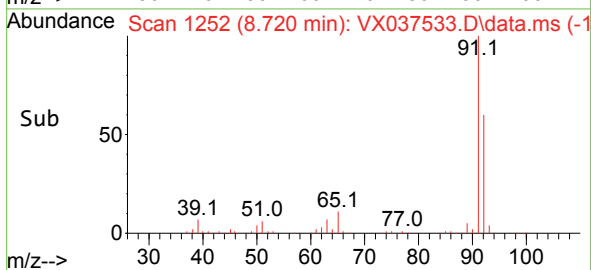
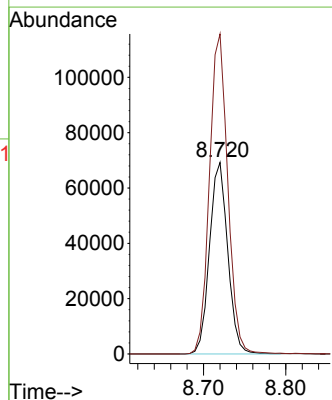
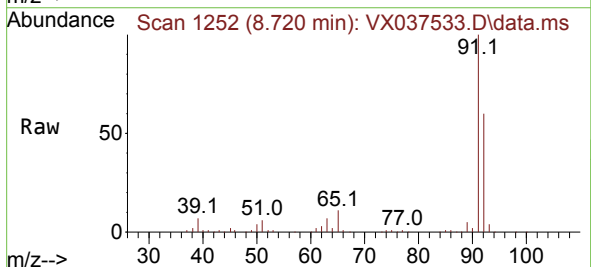
Instrument :
MSVOA_X
ClientSampleId :
SBG-4DL

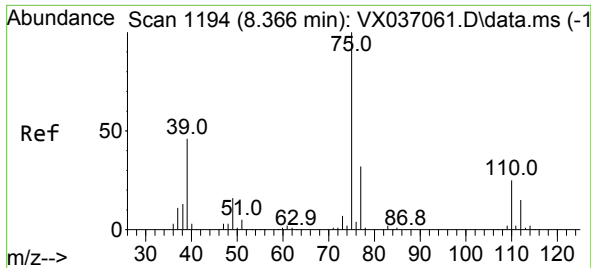
Tgt Ion: 43 Resp: 12892
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#52
Toluene
Concen: 25.282 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

Tgt Ion: 92 Resp: 106660
Ion Ratio Lower Upper
92 100
91 167.7 134.2 201.2

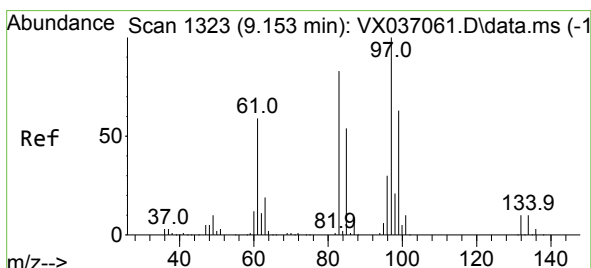
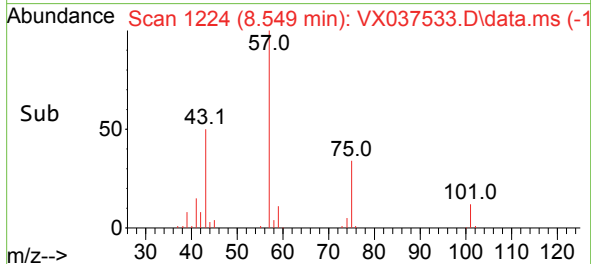
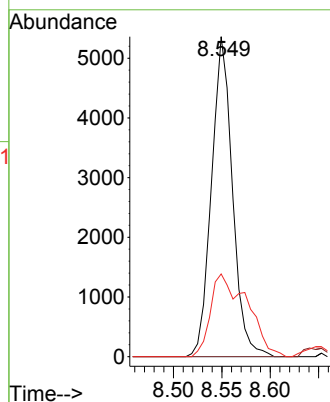
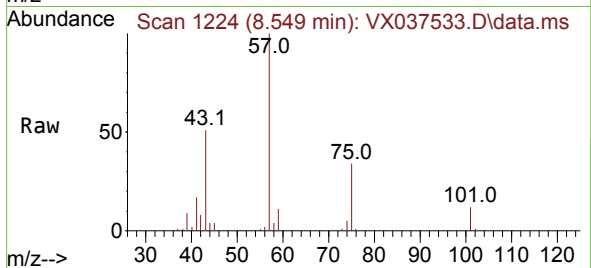




#54
 cis-1,3-Dichloropropene
 Concen: 2.957 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX037533.D
 Acq: 06 Sep 2023 05:34

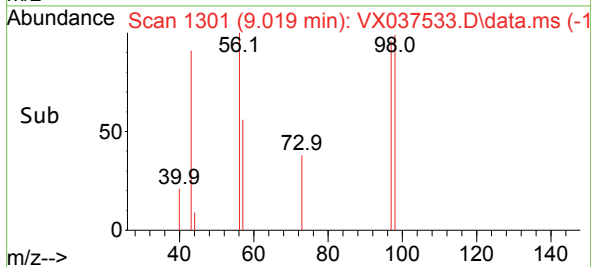
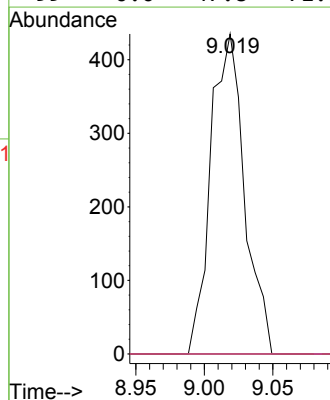
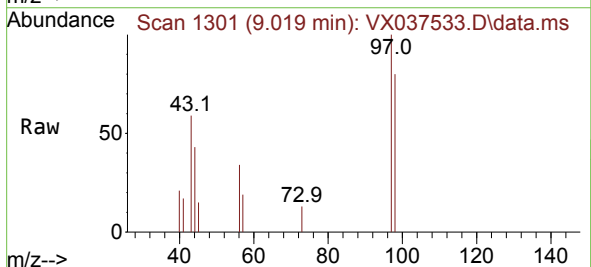
Instrument :
 MSVOA_X
 ClientSampleId :
 SBG-4DL

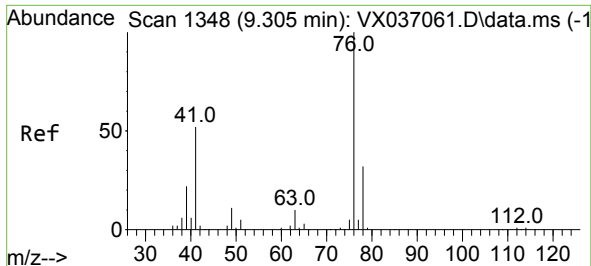
Tgt Ion: 75 Resp: 8082
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 25.9 46.7 70.1#



#55
 1,1,2-Trichloroethane
 Concen: 0.434 ug/l
 RT: 9.019 min Scan# 1301
 Delta R.T. -0.134 min
 Lab File: VX037533.D
 Acq: 06 Sep 2023 05:34

Tgt Ion: 97 Resp: 745
 Ion Ratio Lower Upper
 97 100
 83 0.0 65.8 98.8#
 85 0.0 41.6 62.4#
 99 0.0 47.8 71.8#





#57

1,3-Dichloropropane

Concen: 0.318 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.183 min

Lab File: VX037533.D

Acq: 06 Sep 2023 05:34

Instrument :

MSVOA_X

ClientSampleId :

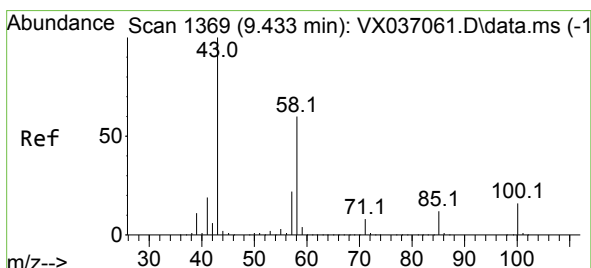
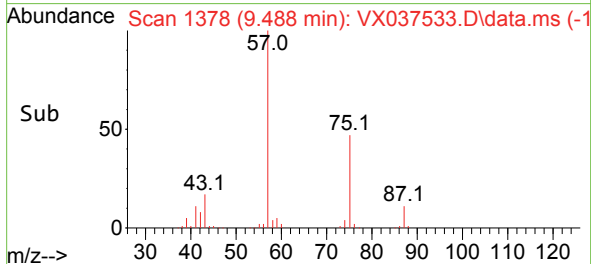
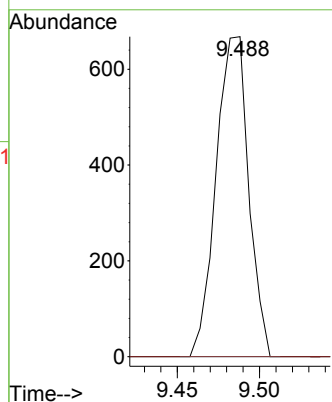
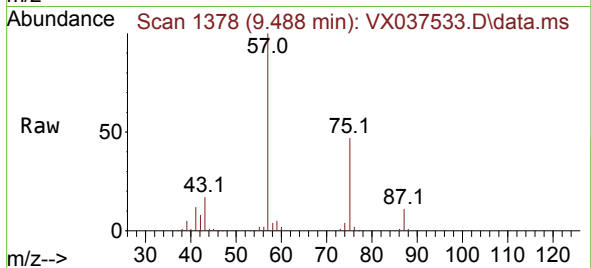
SBG-4DL

Tgt Ion: 76 Resp: 922

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 6.412 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX037533.D

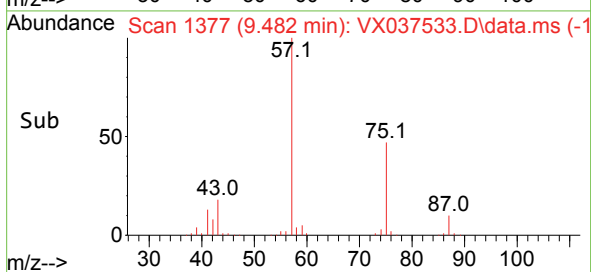
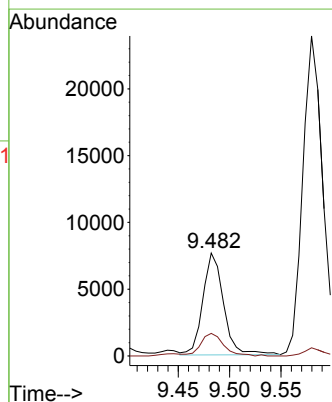
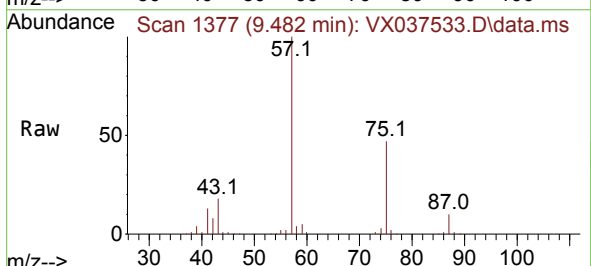
Acq: 06 Sep 2023 05:34

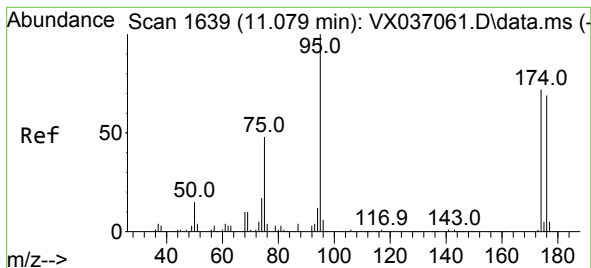
Tgt Ion: 43 Resp: 10719

Ion Ratio Lower Upper

43 100

58 24.6 26.2 78.5#

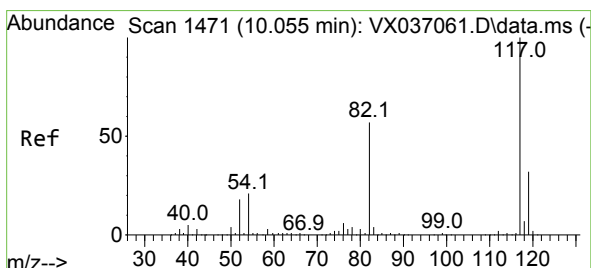
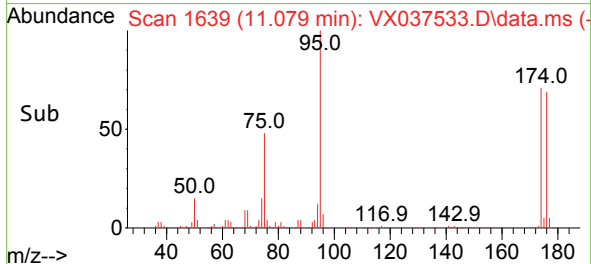
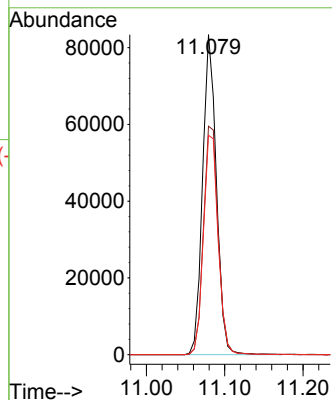
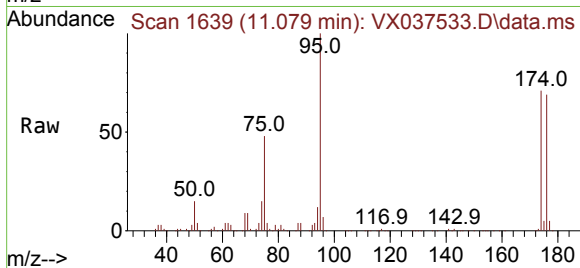




#62
4-Bromofluorobenzene
Concen: 45.599 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

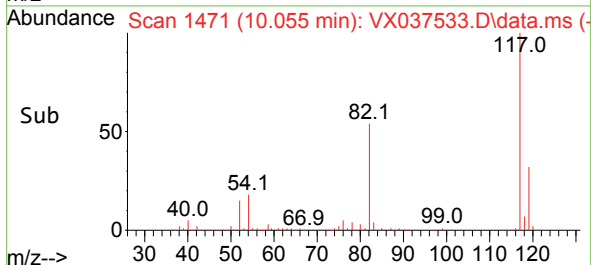
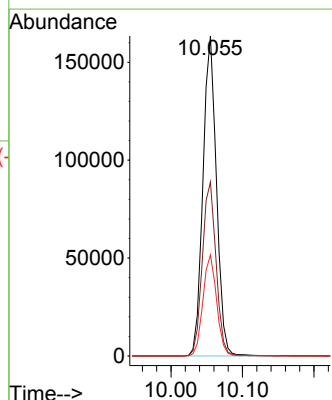
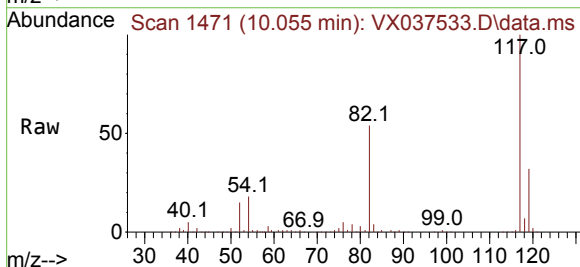
Instrument :
MSVOA_X
ClientSampleId :
SBG-4DL

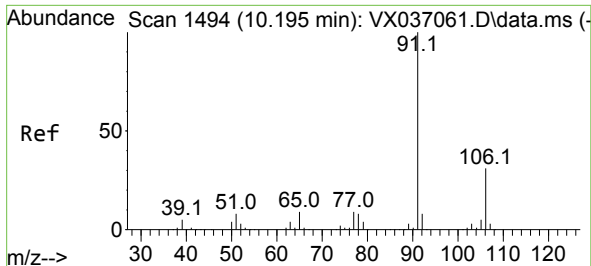
Tgt Ion: 95 Resp: 101862
Ion Ratio Lower Upper
95 100
174 76.4 0.0 135.6
176 73.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

Tgt Ion: 117 Resp: 214640
Ion Ratio Lower Upper
117 100
82 54.4 46.2 69.4
119 31.6 25.5 38.3





#67

Ethyl Benzene

Concen: 1.525 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX037533.D

Acq: 06 Sep 2023 05:34

Instrument :

MSVOA_X

ClientSampleId :

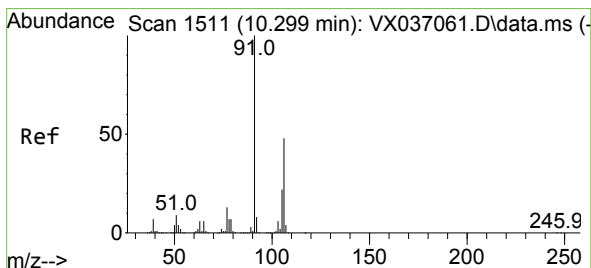
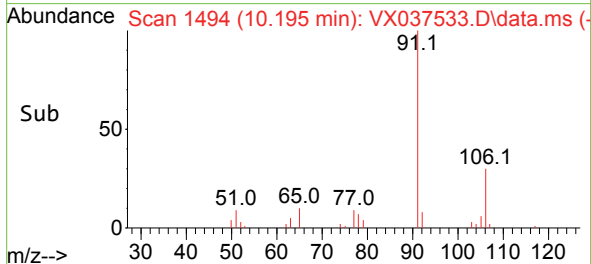
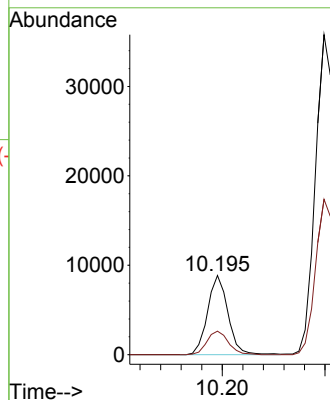
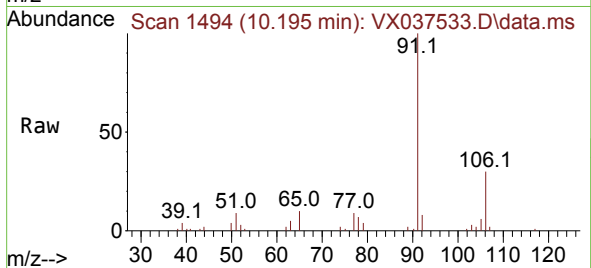
SBG-4DL

Tgt Ion: 91 Resp: 12176

Ion Ratio Lower Upper

91 100

106 29.8 24.9 37.3



#68

m/p-Xylenes

Concen: 7.785 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX037533.D

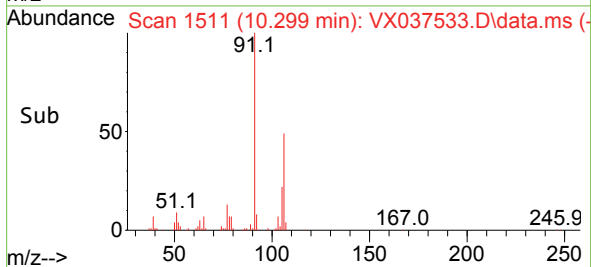
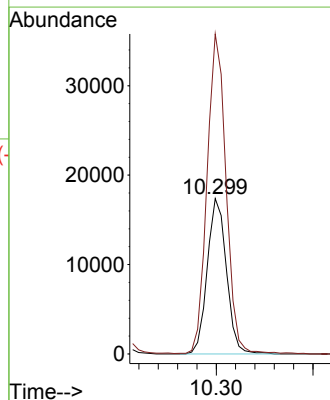
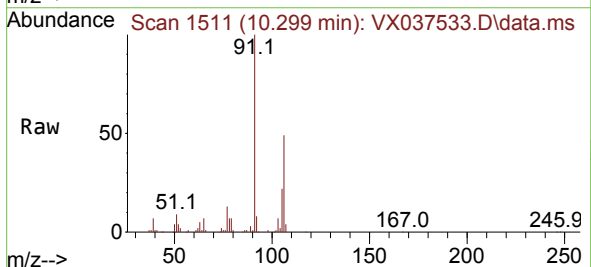
Acq: 06 Sep 2023 05:34

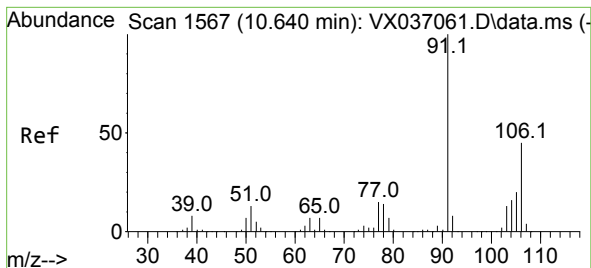
Tgt Ion: 106 Resp: 23998

Ion Ratio Lower Upper

106 100

91 204.5 165.5 248.3





#69

o-Xylene

Concen: 4.922 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX037533.D

Acq: 06 Sep 2023 05:34

Instrument :

MSVOA_X

ClientSampleId :

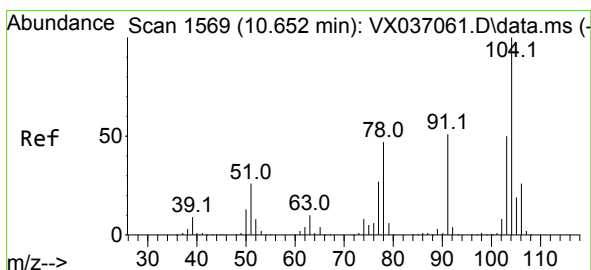
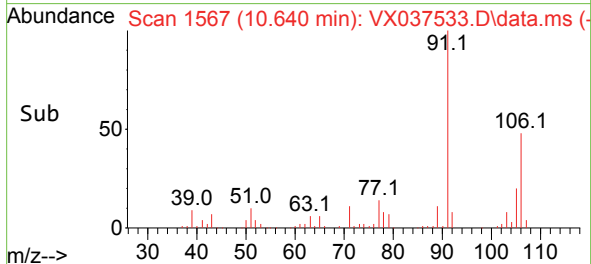
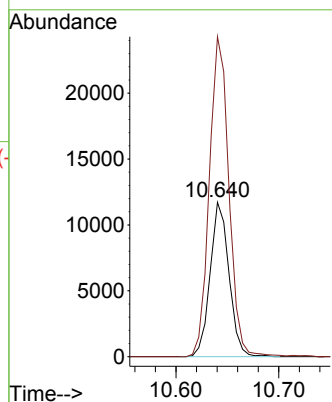
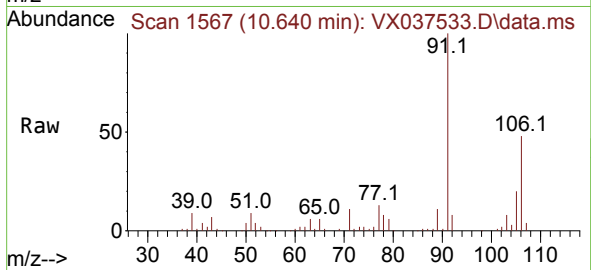
SBG-4DL

Tgt Ion:106 Resp: 14971

Ion Ratio Lower Upper

106 100

91 214.8 108.9 326.8



#70

Styrene

Concen: 0.763 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.007 min

Lab File: VX037533.D

Acq: 06 Sep 2023 05:34

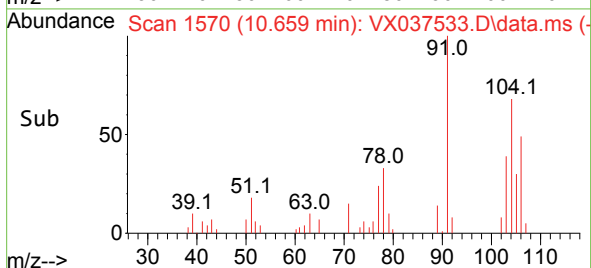
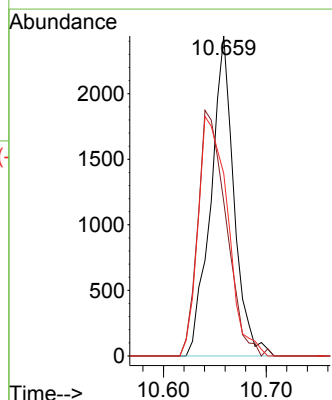
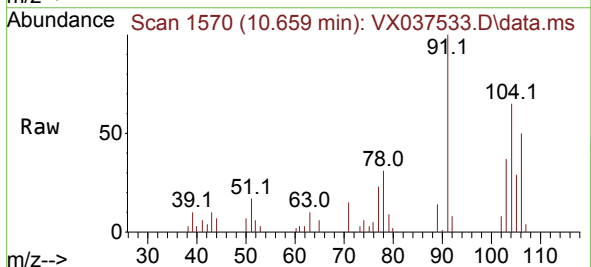
Tgt Ion:104 Resp: 3825

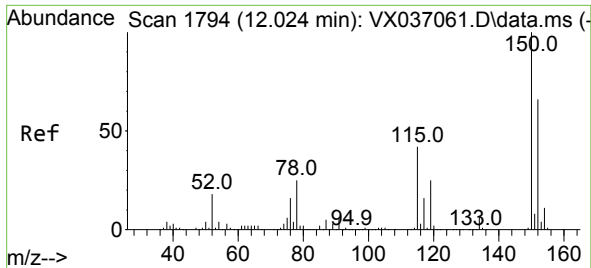
Ion Ratio Lower Upper

104 100

78 93.4 43.6 65.4#

103 95.4 43.6 65.4#

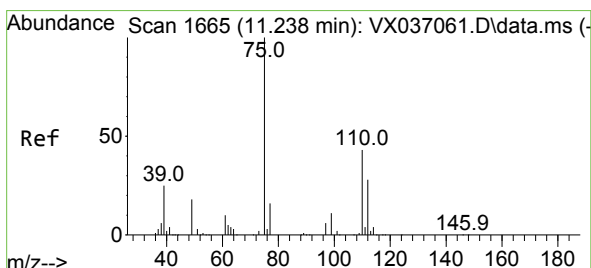
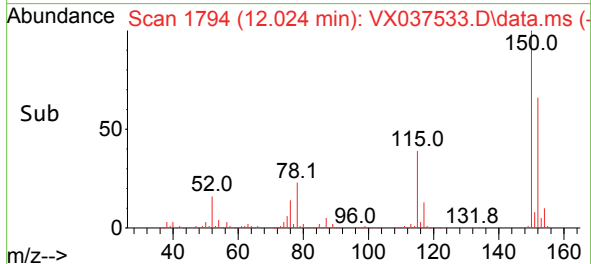
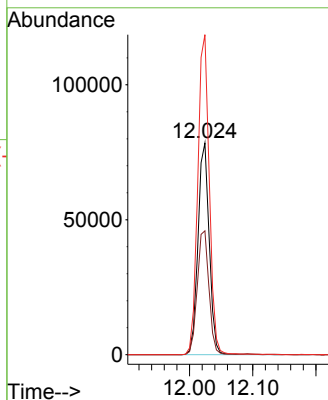
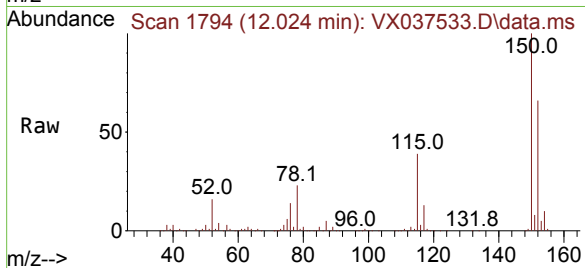




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037533.D
 Acq: 06 Sep 2023 05:34

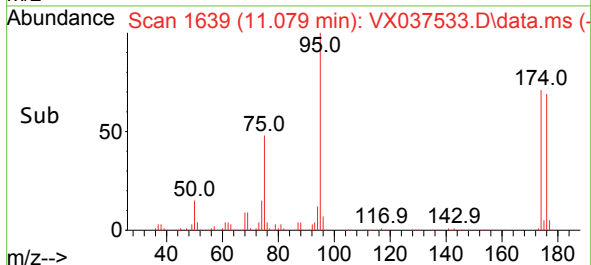
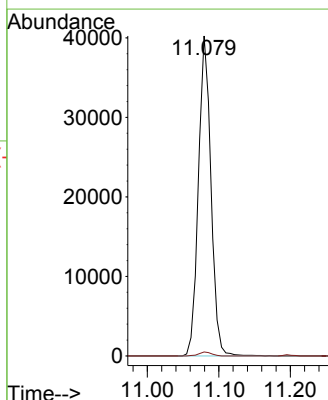
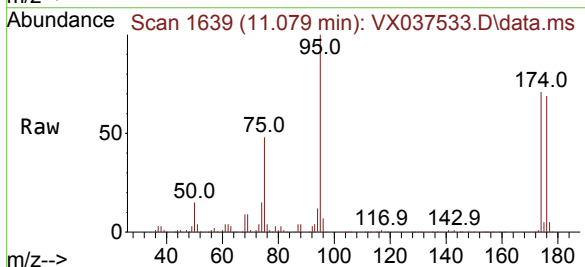
Instrument :
 MSVOA_X
 ClientSampleId :
 SBG-4DL

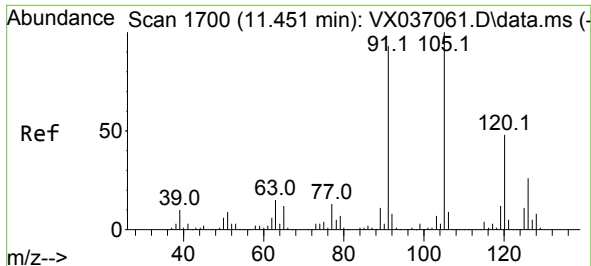
Tgt Ion:152 Resp: 97176
 Ion Ratio Lower Upper
 152 100
 115 60.8 43.3 129.9
 150 155.0 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 23.672 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX037533.D
 Acq: 06 Sep 2023 05:34

Tgt Ion: 75 Resp: 48989
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#

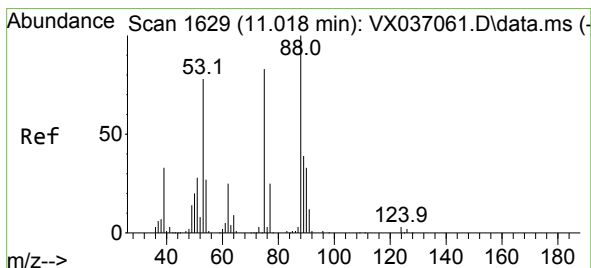
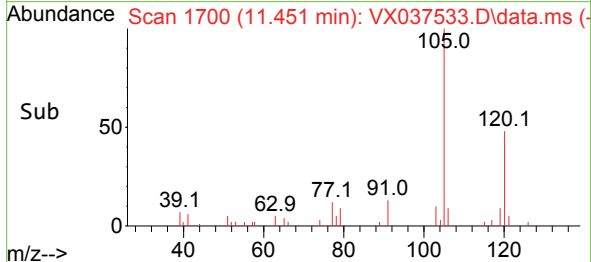
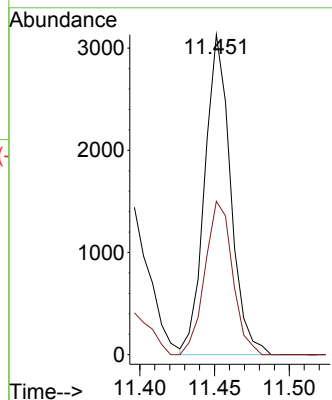
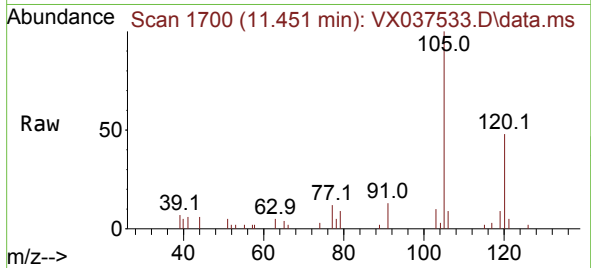




#80
1,3,5-Trimethylbenzene
Concen: 0.639 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

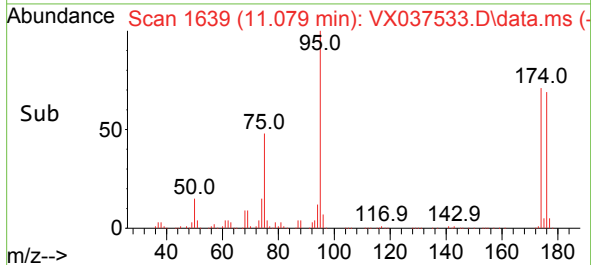
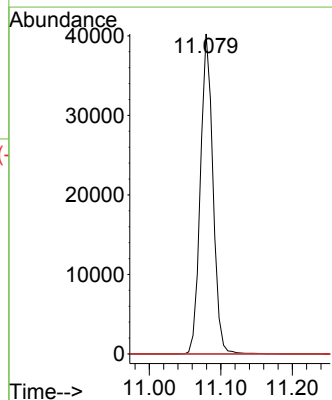
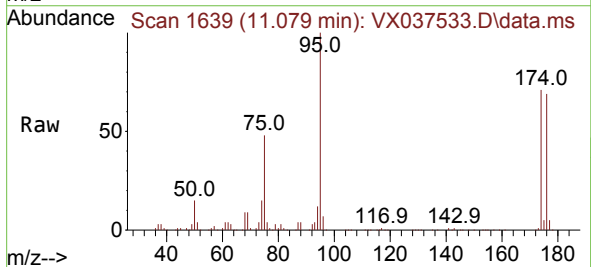
Instrument :
MSVOA_X
ClientSampleId :
SBG-4DL

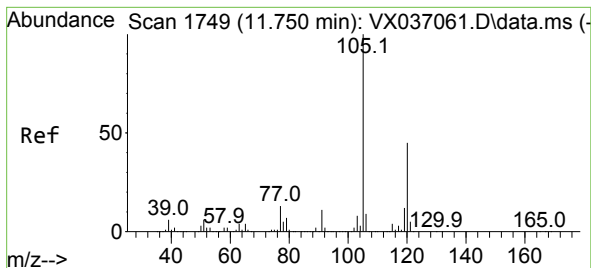
Tgt Ion:105 Resp: 3764
Ion Ratio Lower Upper
105 100
120 51.1 24.1 72.3



#81
trans-1,4-Dichloro-2-butene
Concen: 66.116 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037533.D
Acq: 06 Sep 2023 05:34

Tgt Ion: 75 Resp: 48989
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 2.019 ug/l

RT: 11.750 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037533.D

Acq: 06 Sep 2023 05:34

Instrument :

MSVOA_X

ClientSampleId :

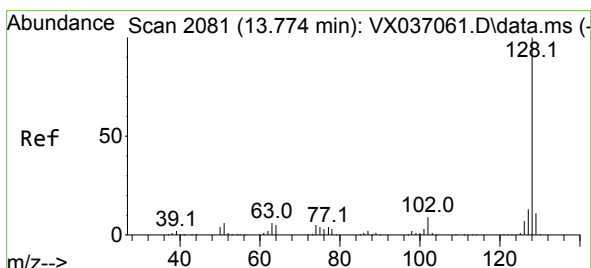
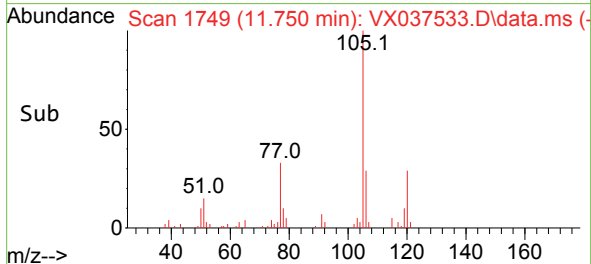
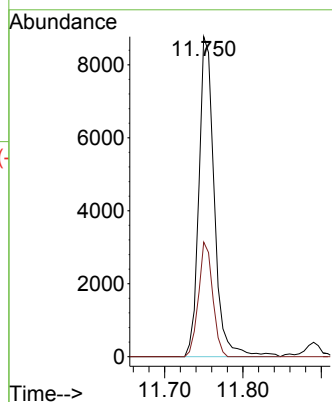
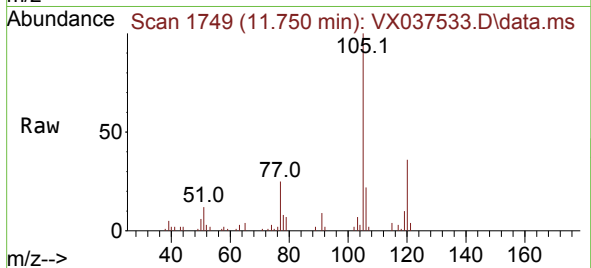
SBG-4DL

Tgt Ion:105 Resp: 12024

Ion Ratio Lower Upper

105 100

120 32.8 21.2 63.6



#95

Naphthalene

Concen: 8.963 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX037533.D

Acq: 06 Sep 2023 05:34

Tgt Ion:128 Resp: 72653

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 11.4 8.8 13.2

