

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014834.D
 Acq On : 26 Jul 2023 04:42
 Operator : SY/MD
 Sample : 03741-15
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P13B

Quant Time: Jul 26 05:31:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

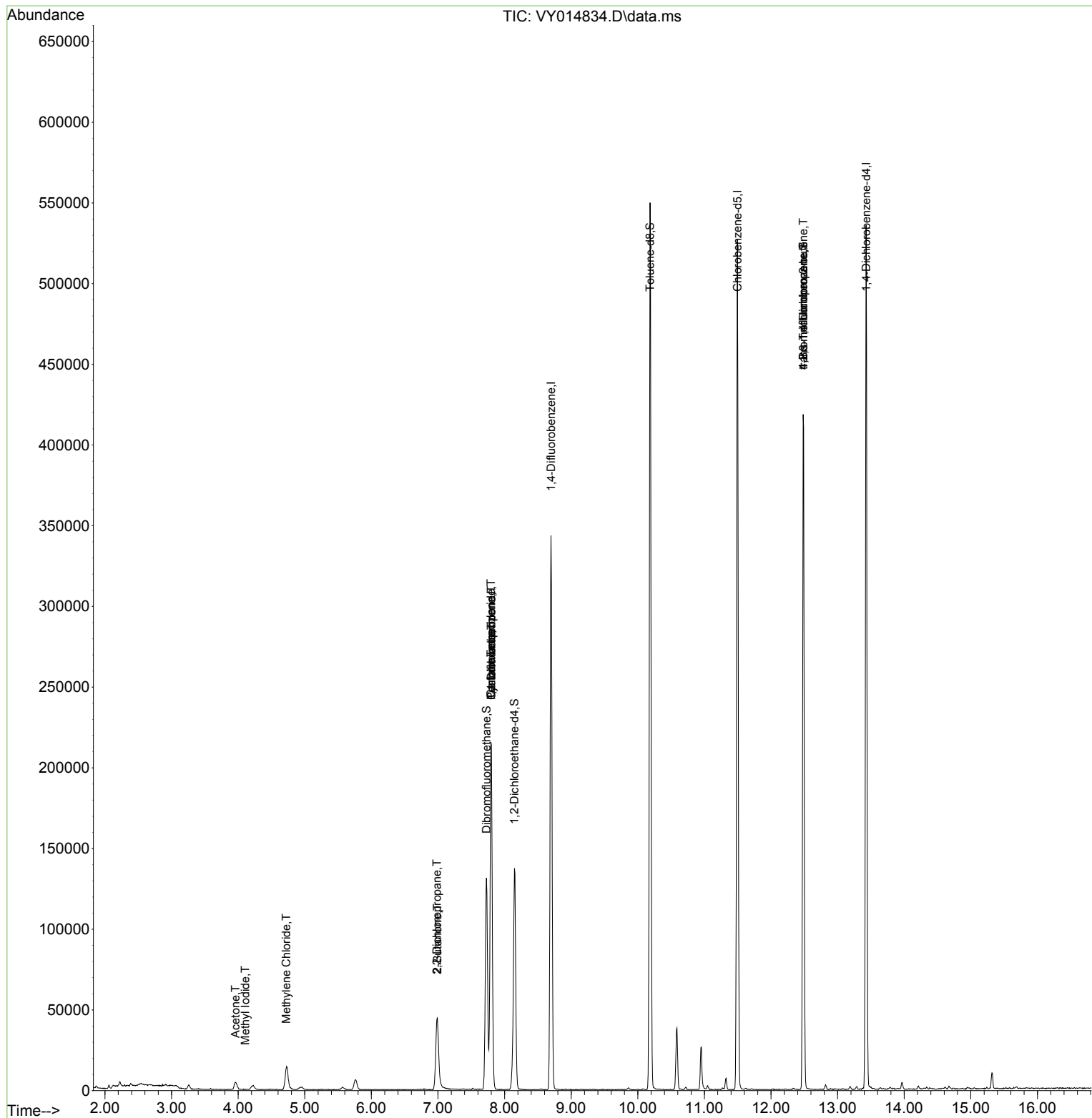
Internal Standards						
1) Pentafluorobenzene	7.801	168	167318	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	296119	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	283431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	131807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	104374	54.742	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.480%	
35) Dibromofluoromethane	7.728	113	92812	49.237	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.480%	
50) Toluene-d8	10.185	98	352837	50.770	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.540%	
62) 4-Bromofluorobenzene	12.483	95	128117	48.078	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.160%	
Target Compounds						
10) Methyl Iodide	4.107	142	72	2.406	ug/l	# 38
11) Tert butyl alcohol	4.954	59	2442	Below Cal	#	89
16) Acetone	3.960	43	8868	14.677	ug/l	93
20) Methylene Chloride	4.722	84	10513	1.238	ug/l	# 84
25) 2-Butanone	6.990	43	3375	3.818	ug/l	92
26) 2,2-Dichloropropane	6.984	77	3437	1.060	ug/l	# 54
31) Cyclohexane	7.801	56	3673	1.160	ug/l	# 18
36) 1,1-Dichloropropene	7.801	75	13428	4.763	ug/l	# 50
38) Carbon Tetrachloride	7.795	117	17294	5.804	ug/l	# 15
76) 1,2,3-Trichloropropane	12.483	75	68915	41.398	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	68915	80.154	ug/l	# 10

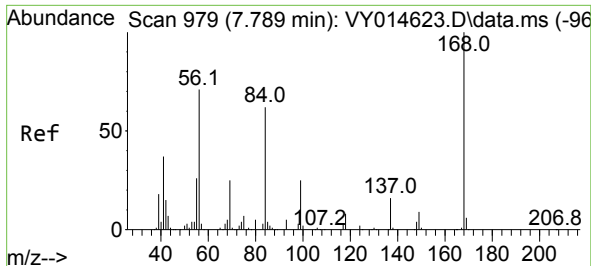
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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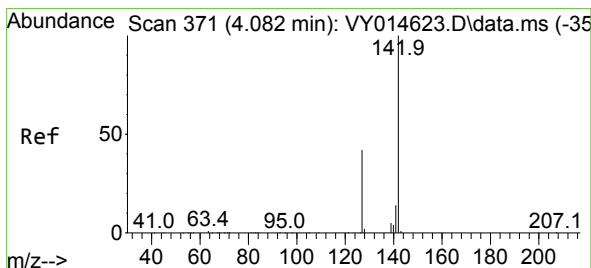
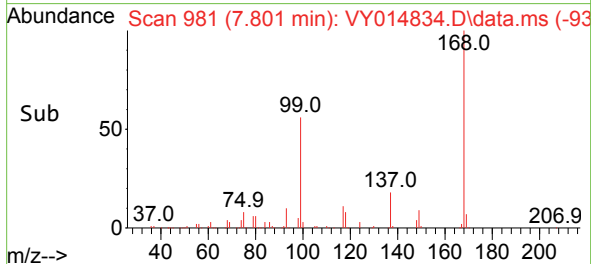
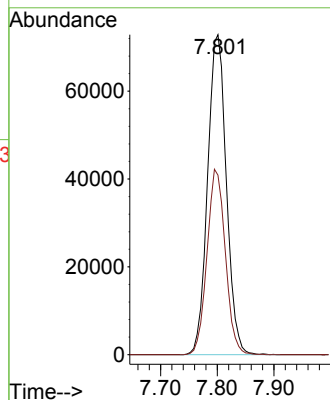
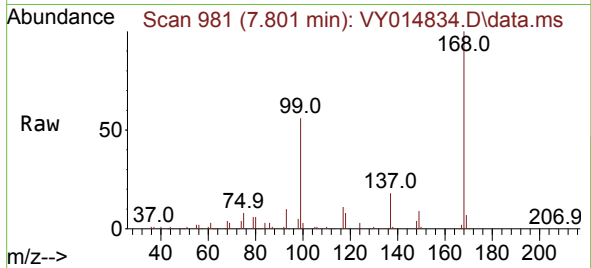




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014834.D
Acq: 26 Jul 2023 04:42

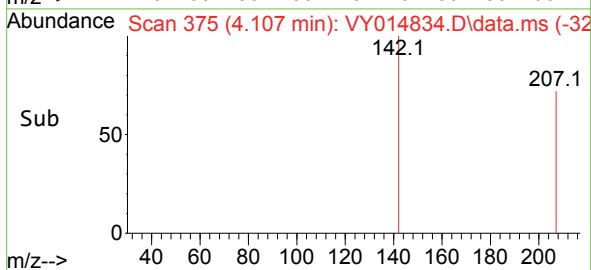
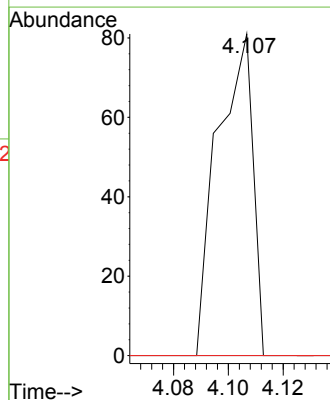
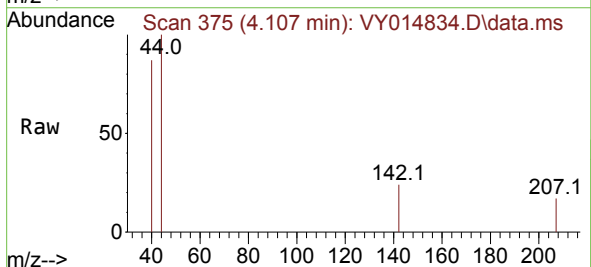
Instrument :
MSVOA_Y
ClientSampleId :
B-P13B

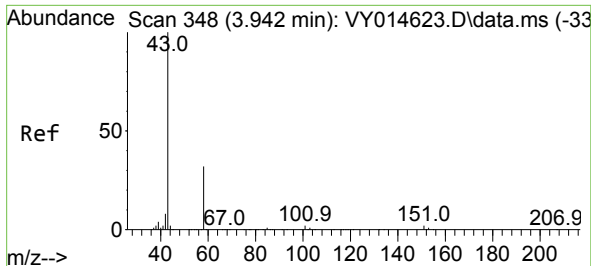
Tgt Ion:168 Resp: 167318
Ion Ratio Lower Upper
168 100
99 56.1 43.4 65.0



#10
Methyl Iodide
Concen: 2.406 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.025 min
Lab File: VY014834.D
Acq: 26 Jul 2023 04:42

Tgt Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

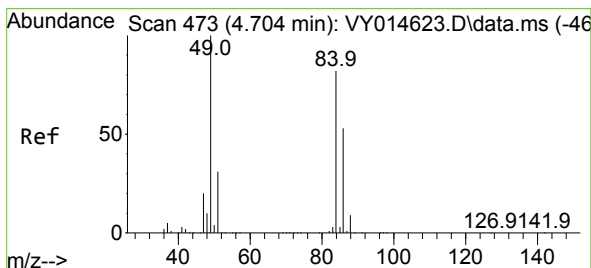
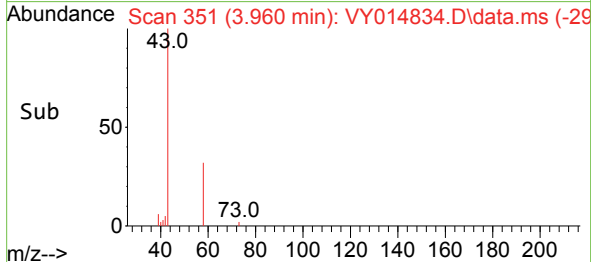
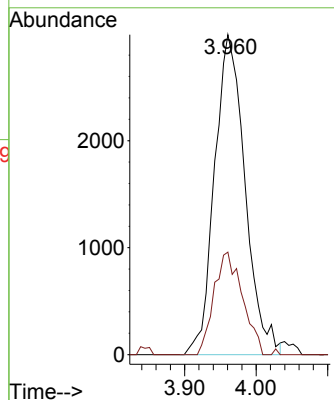
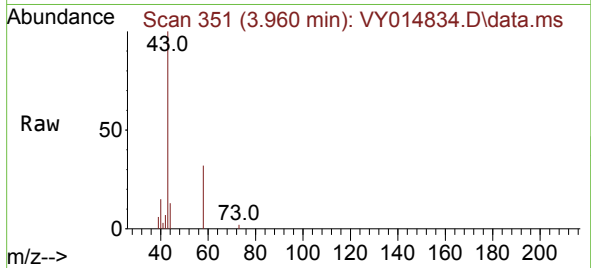




#16
Acetone
Concen: 14.677 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY014834.D
Acq: 26 Jul 2023 04:42

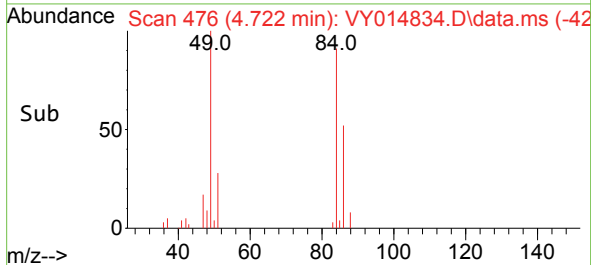
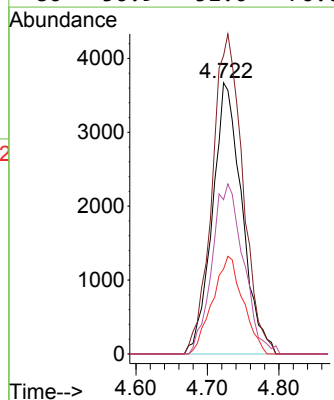
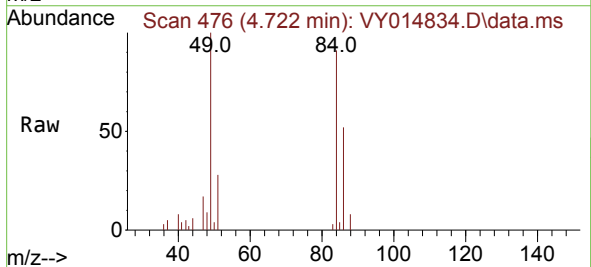
Instrument :
MSVOA_Y
ClientSampleId :
B-P13B

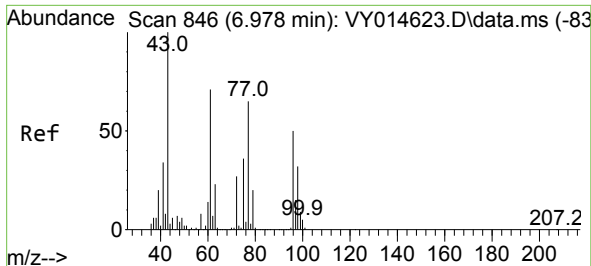
Tgt Ion: 43 Resp: 8868
Ion Ratio Lower Upper
43 100
58 32.1 22.7 34.1



#20
Methylene Chloride
Concen: 1.238 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.018 min
Lab File: VY014834.D
Acq: 26 Jul 2023 04:42

Tgt Ion: 84 Resp: 10513
Ion Ratio Lower Upper
84 100
49 110.0 106.9 160.3
51 31.3 33.2 49.8#
86 56.9 51.0 76.6

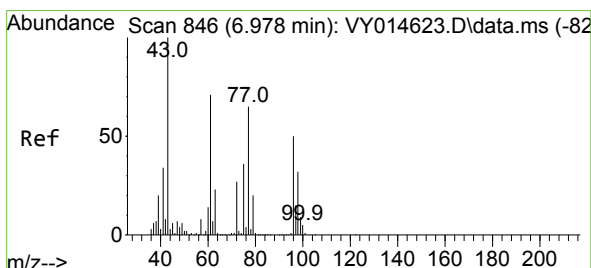
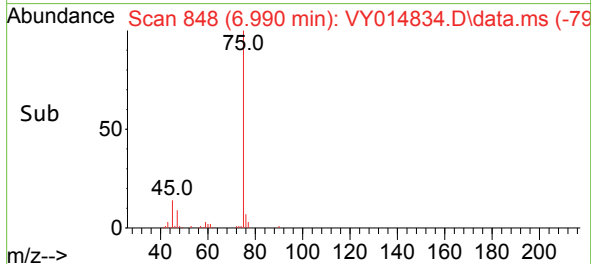
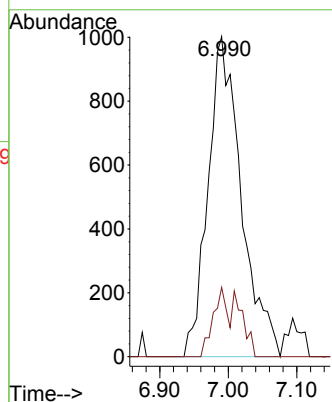
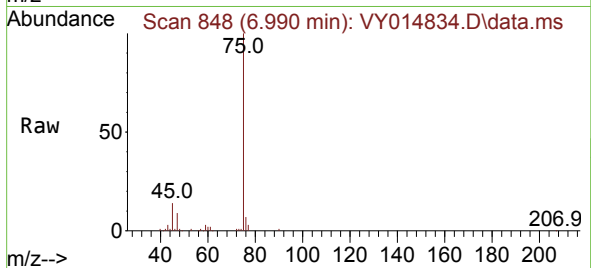




#25
2-Butanone
Concen: 3.818 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY014834.D
Acq: 26 Jul 2023 04:42

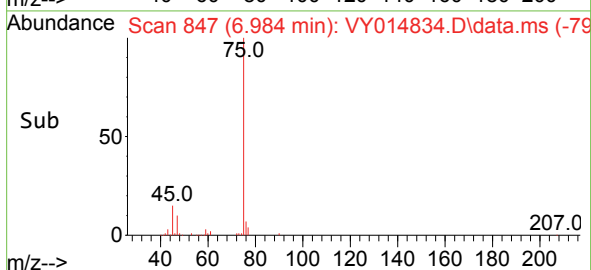
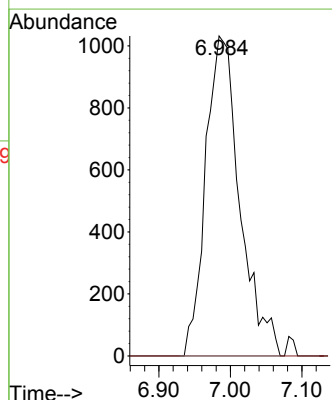
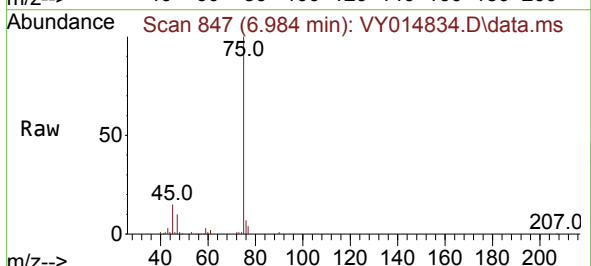
Instrument :
MSVOA_Y
ClientSampleId :
B-P13B

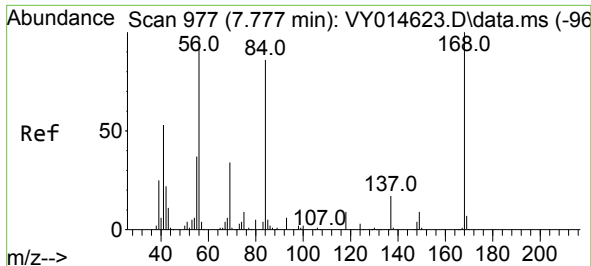
Tgt Ion: 43 Resp: 3375
Ion Ratio Lower Upper
43 100
72 21.7 20.5 30.7



#26
2,2-Dichloropropane
Concen: 1.060 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY014834.D
Acq: 26 Jul 2023 04:42

Tgt Ion: 77 Resp: 3437
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

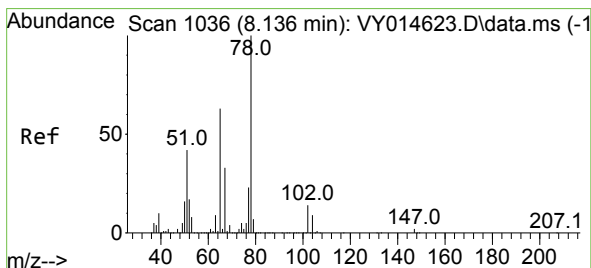
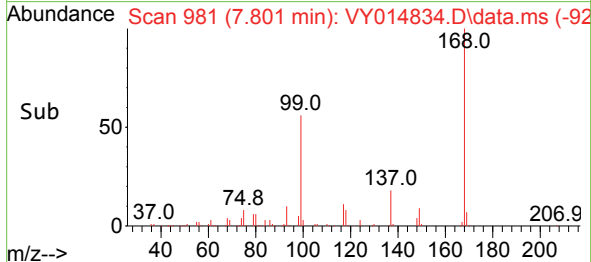
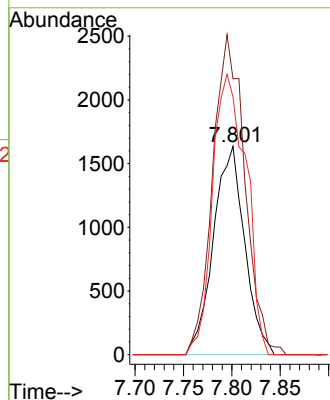
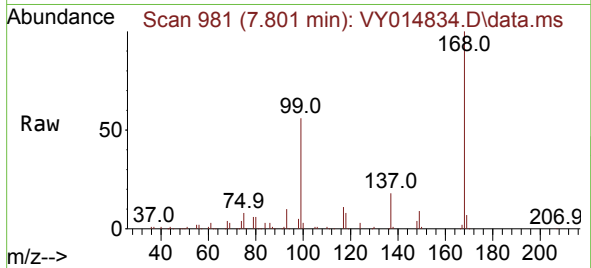




#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY014834.D
Acq: 26 Jul 2023 04:42

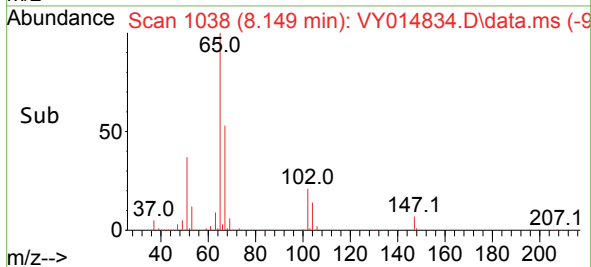
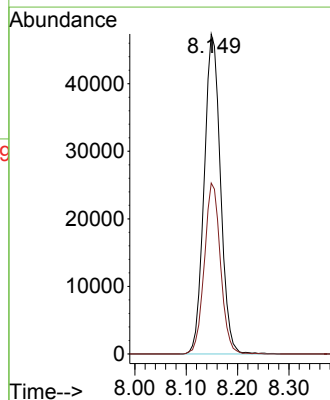
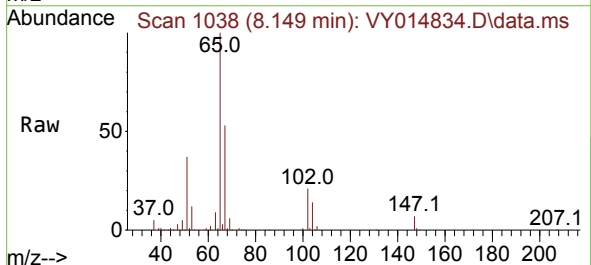
Instrument :
MSVOA_Y
ClientSampleId :
B-P13B

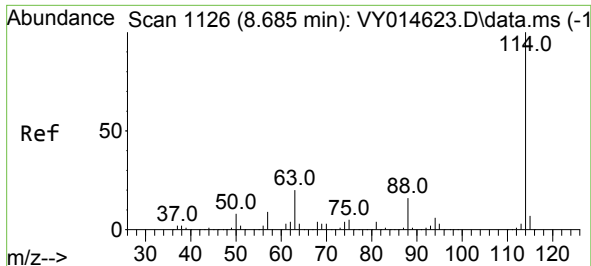
Tgt Ion: 56 Resp: 3673
Ion Ratio Lower Upper
56 100
69 132.5 27.8 41.6#
84 123.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.742 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY014834.D
Acq: 26 Jul 2023 04:42

Tgt Ion: 65 Resp: 104374
Ion Ratio Lower Upper
65 100
67 52.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1126

Delta R.T. 0.012 min

Lab File: VY014834.D

Acq: 26 Jul 2023 04:42

Instrument :

MSVOA_Y

ClientSampleId :

B-P13B

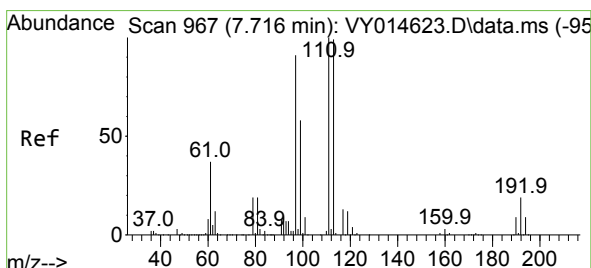
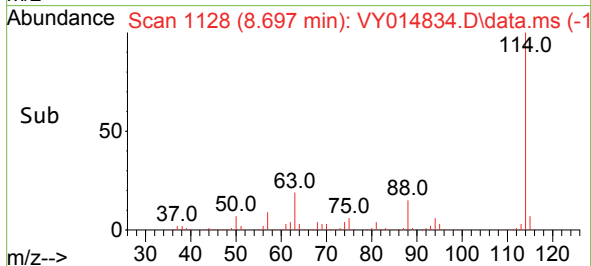
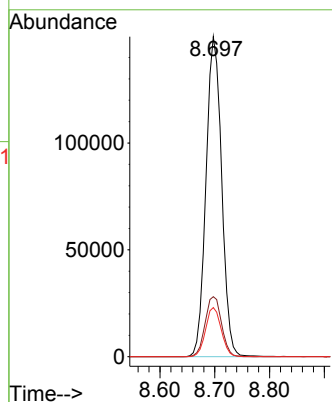
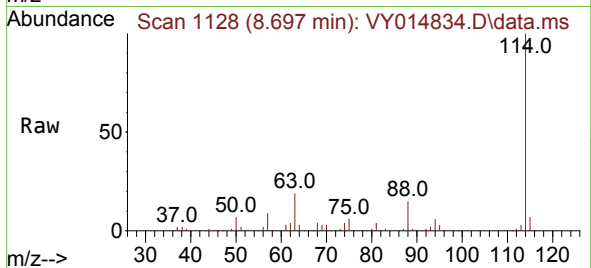
Tgt Ion:114 Resp: 296119

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.237 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014834.D

Acq: 26 Jul 2023 04:42

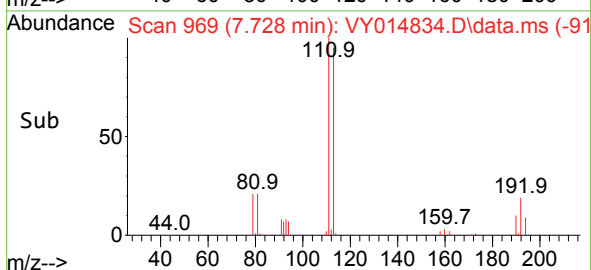
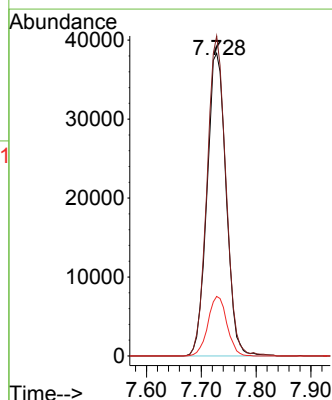
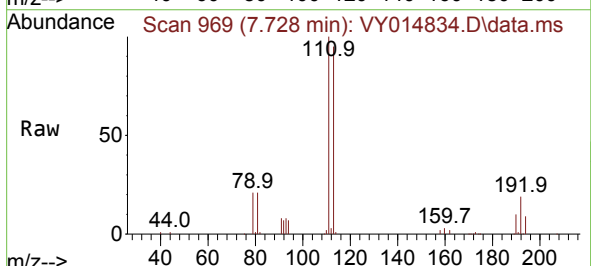
Tgt Ion:113 Resp: 92812

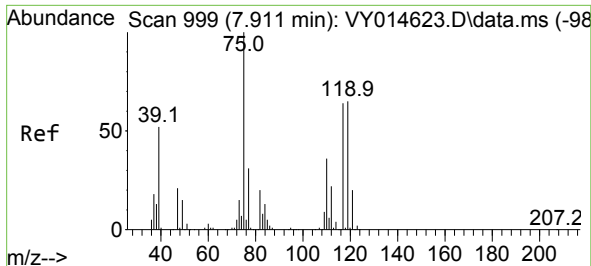
Ion Ratio Lower Upper

113 100

111 104.1 81.3 121.9

192 19.5 16.9 25.3

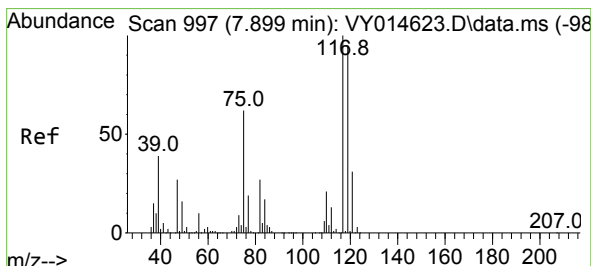
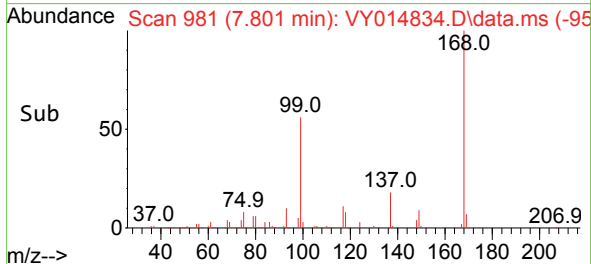
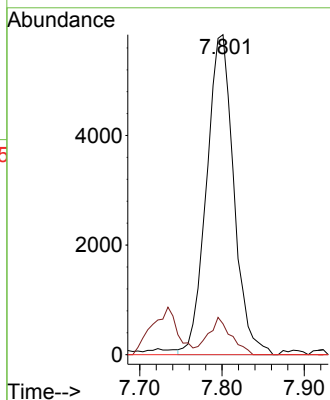
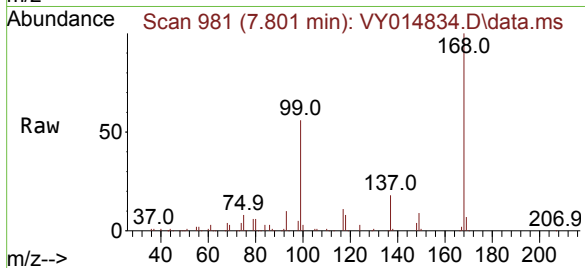




#36
1,1-Dichloropropene
Concen: 4.763 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014834.D
Acq: 26 Jul 2023 04:42

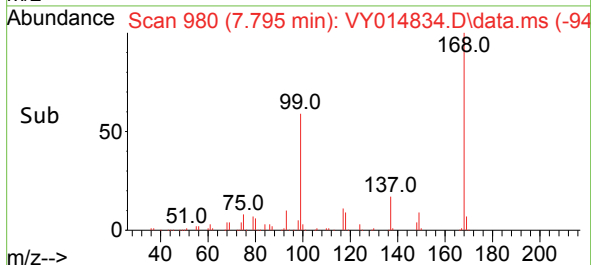
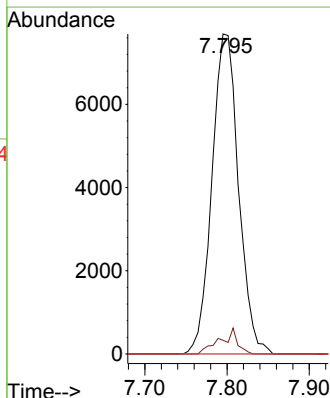
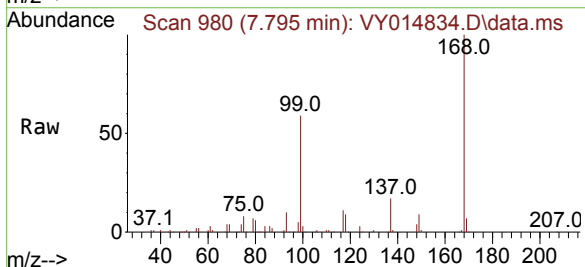
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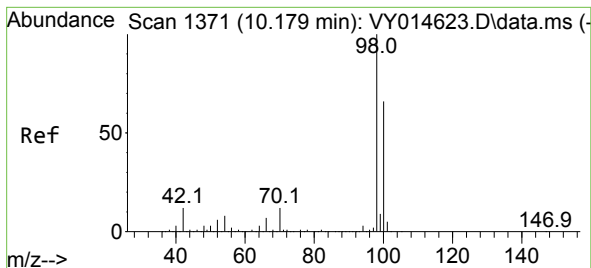
Tgt Ion: 75 Resp: 13428
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.804 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.104 min
Lab File: VY014834.D
Acq: 26 Jul 2023 04:42

Tgt Ion: 117 Resp: 17294
Ion Ratio Lower Upper
117 100
119 4.3 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.770 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014834.D

Acq: 26 Jul 2023 04:42

Instrument :

MSVOA_Y

ClientSampleId :

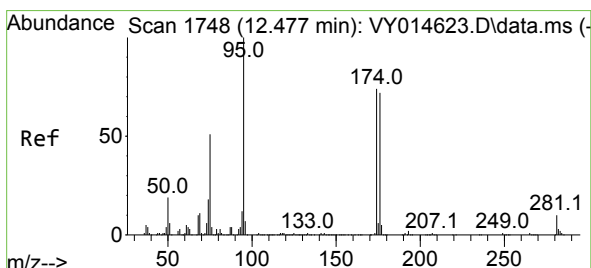
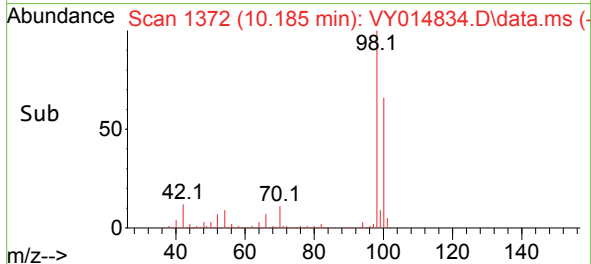
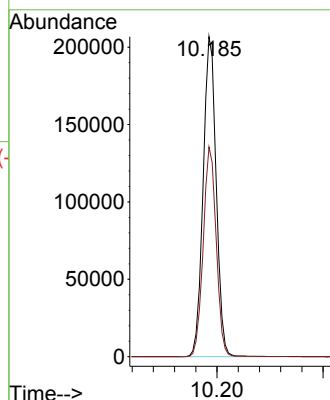
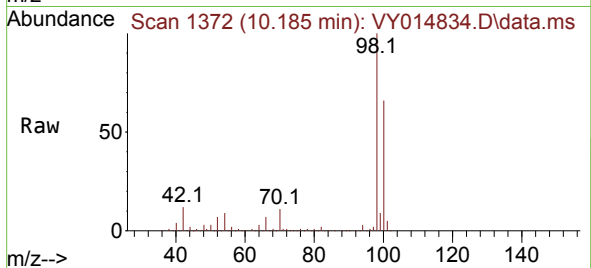
B-P13B

Tgt Ion: 98 Resp: 352837

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 48.078 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY014834.D

Acq: 26 Jul 2023 04:42

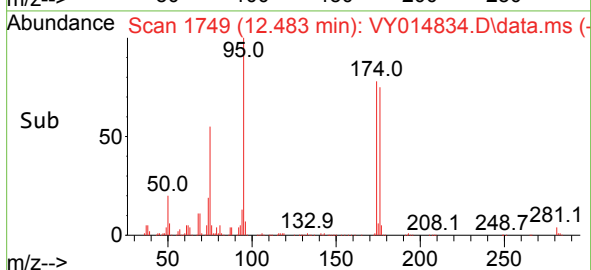
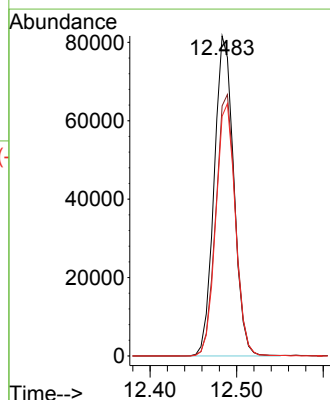
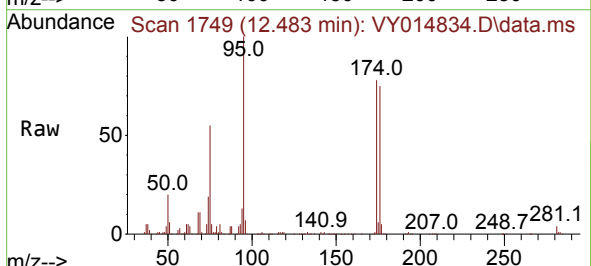
Tgt Ion: 95 Resp: 128117

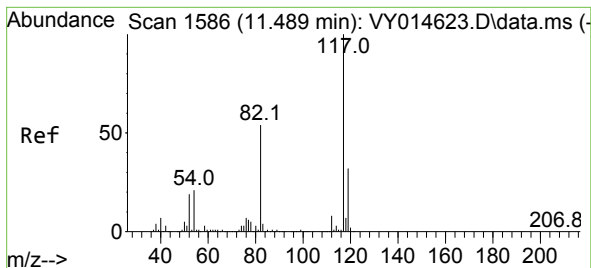
Ion Ratio Lower Upper

95 100

174 81.7 0.0 178.2

176 78.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014834.D

Acq: 26 Jul 2023 04:42

Instrument :

MSVOA_Y

ClientSampleId :

B-P13B

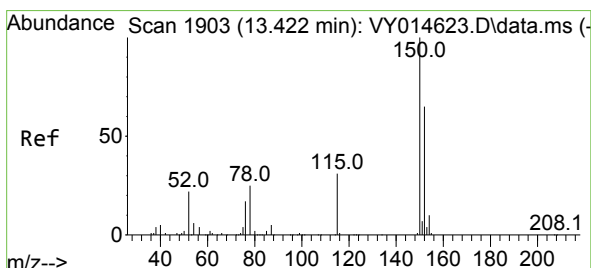
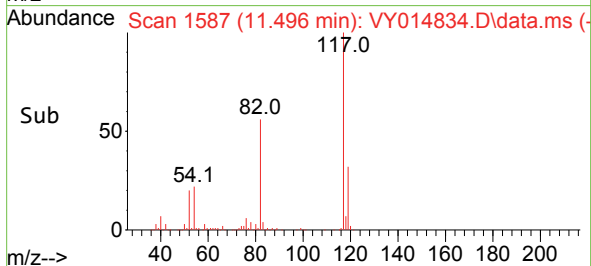
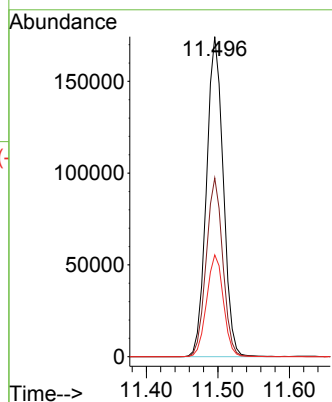
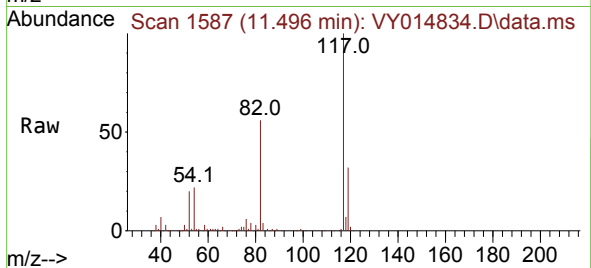
Tgt Ion:117 Resp: 283431

Ion Ratio Lower Upper

117 100

82 55.9 43.4 65.0

119 31.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY014834.D

Acq: 26 Jul 2023 04:42

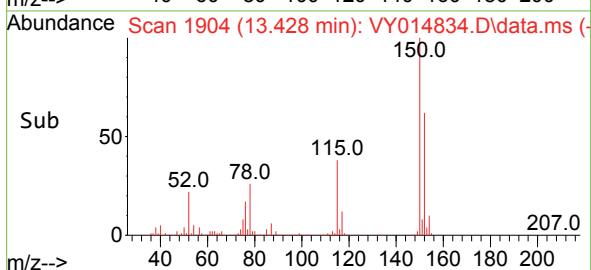
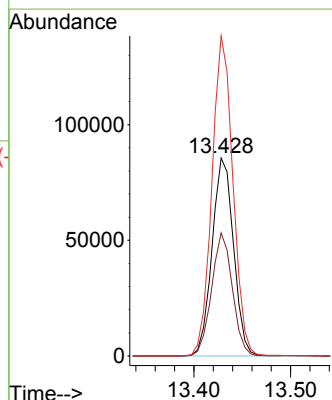
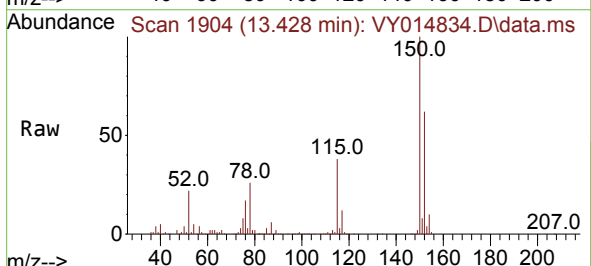
Tgt Ion:152 Resp: 131807

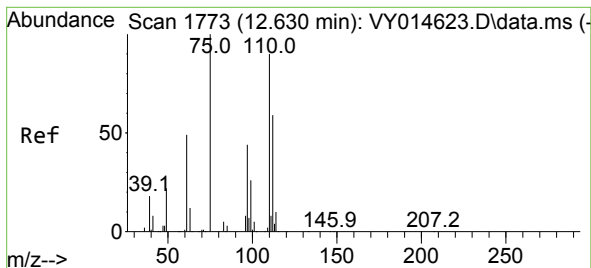
Ion Ratio Lower Upper

152 100

115 60.2 28.8 86.5

150 158.4 0.0 348.8

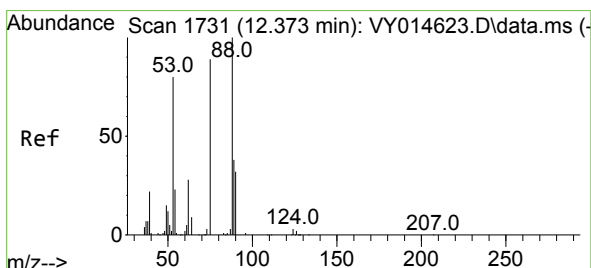
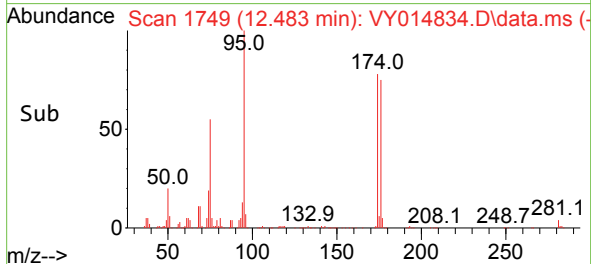
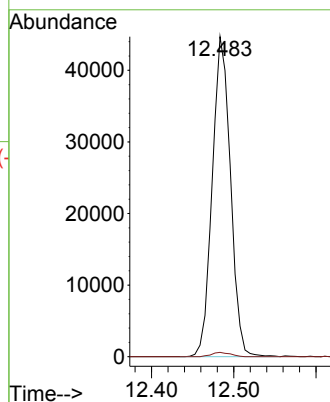
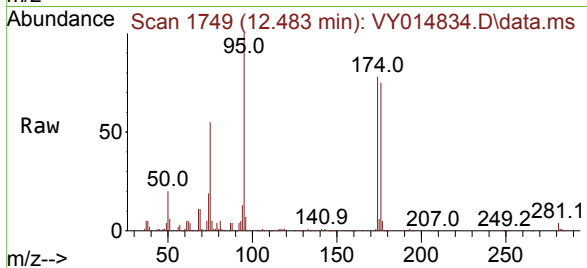




#76
1,2,3-Trichloropropane
Concen: 41.398 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY014834.D
Acq: 26 Jul 2023 04:42

Instrument :
MSVOA_Y
ClientSampleId :
B-P13B

Tgt Ion: 75 Resp: 68915
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.154 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY014834.D
Acq: 26 Jul 2023 04:42

Tgt Ion: 75 Resp: 68915
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

