

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014824.D
 Acq On : 26 Jul 2023 00:48
 Operator : SY/MD
 Sample : 03741-05
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P24B

Quant Time: Jul 26 03:34:37 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)

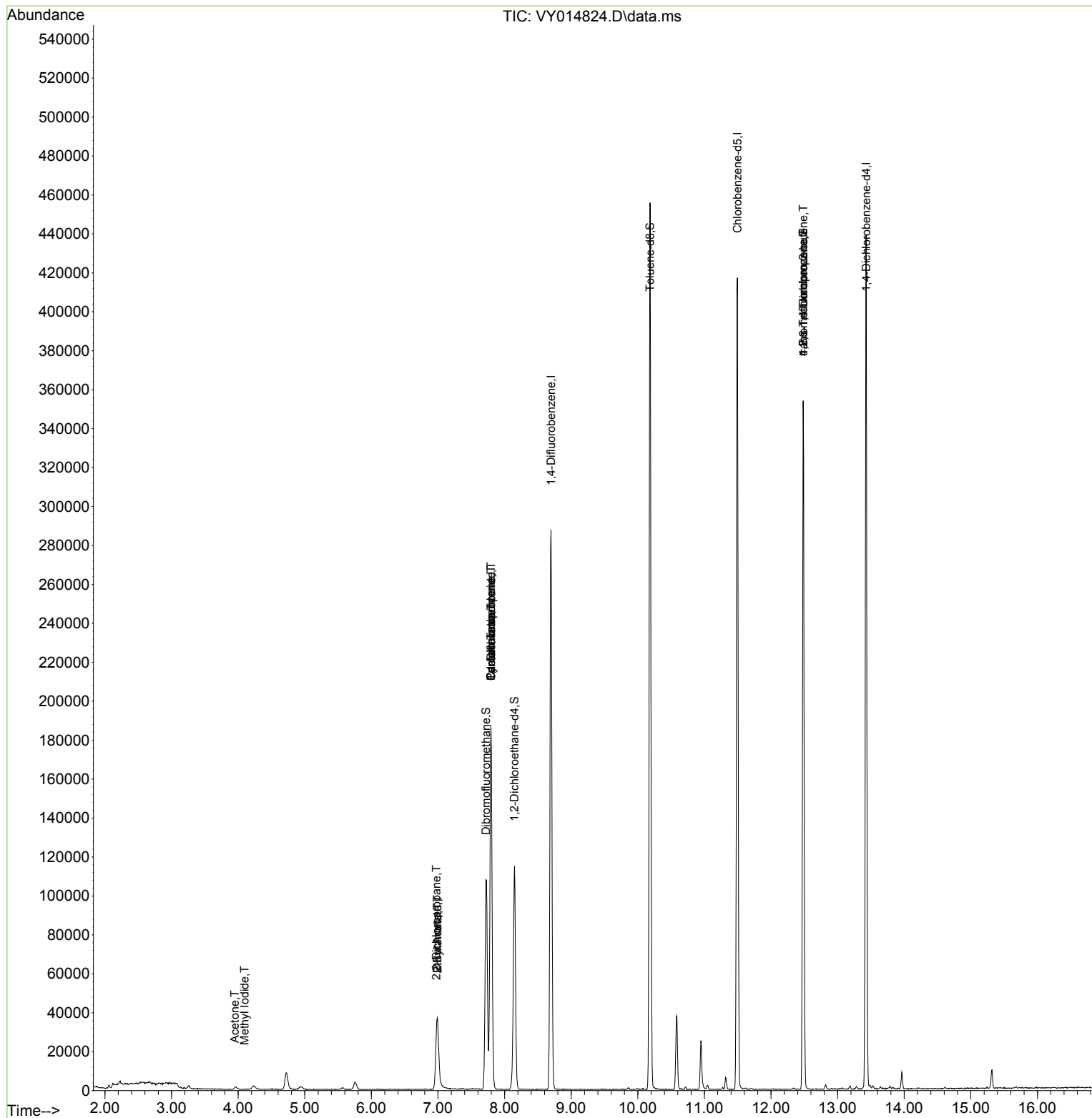
Internal Standards						
1) Pentafluorobenzene	7.795	168	144478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	251514	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	233851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108125	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	86418	52.490	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.980%			
35) Dibromofluoromethane	7.722	113	78174	48.826	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.660%			
50) Toluene-d8	10.185	98	297262	50.359	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.720%			
62) 4-Bromofluorobenzene	12.483	95	105530	46.625	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.260%			
Target Compounds						Qvalue
10) Methyl Iodide	4.094	142	77	2.415	ug/l #	38
11) Tert butyl alcohol	4.948	59	1772	Below Cal	#	89
16) Acetone	3.948	43	846	1.622	ug/l	90
20) Methylene Chloride	4.729	84	6406	Below Cal	#	84
25) 2-Butanone	6.990	43	2449	3.209	ug/l #	75
26) 2,2-Dichloropropane	6.978	77	2926	1.045	ug/l #	54
31) Cyclohexane	7.795	56	3000	1.098	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	11695	4.884	ug/l #	49
37) Ethyl Acetate	6.990	43	2449	1.486	ug/l #	1
38) Carbon Tetrachloride	7.795	117	14273	5.639	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	56519	41.388	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	56519	80.135	ug/l #	11

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

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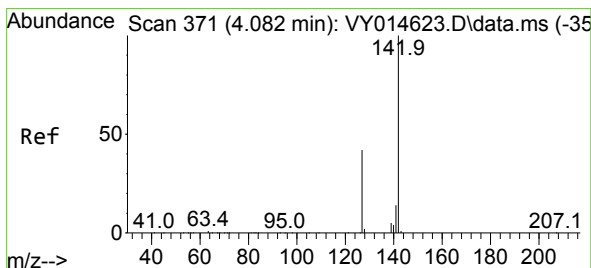
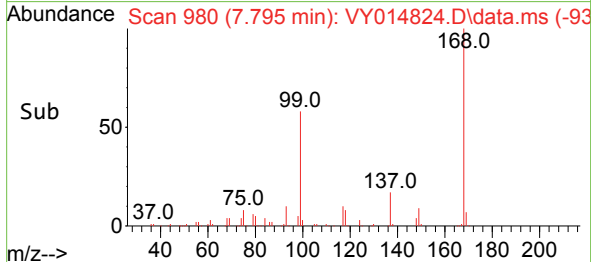
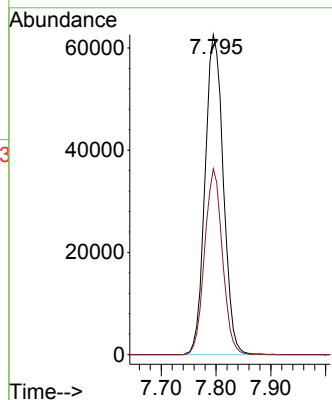
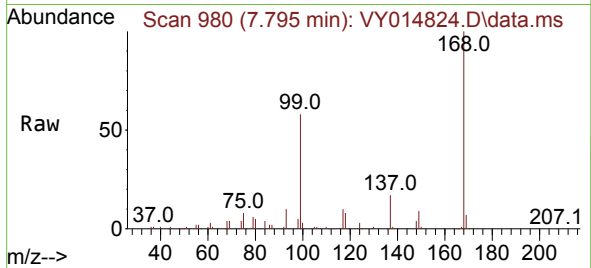




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014824.D
Acq: 26 Jul 2023 00:48

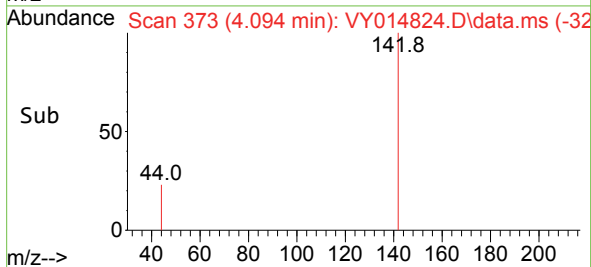
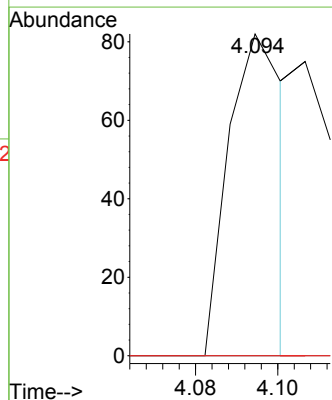
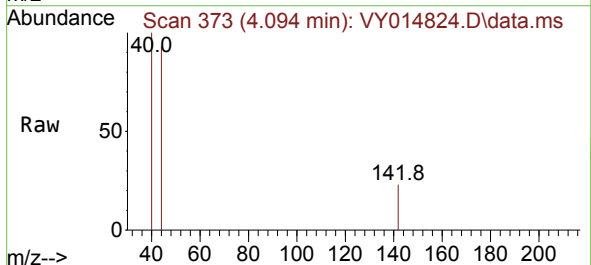
Instrument :
MSVOA_Y
ClientSampleId :
B-P24B

Tgt Ion:168 Resp: 144478
Ion Ratio Lower Upper
168 100
99 58.1 43.4 65.0



#10
Methyl Iodide
Concen: 2.415 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY014824.D
Acq: 26 Jul 2023 00:48

Tgt Ion:142 Resp: 77
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

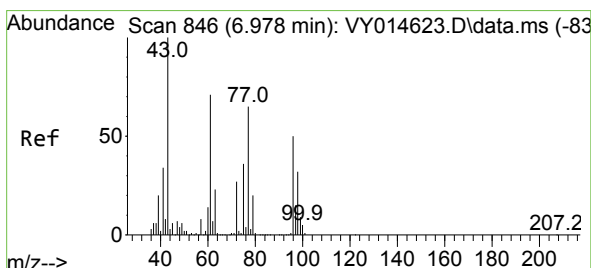
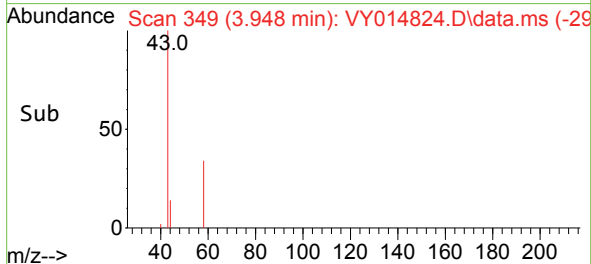
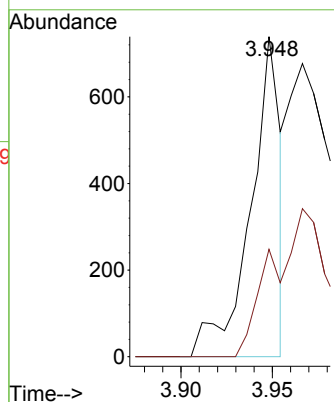
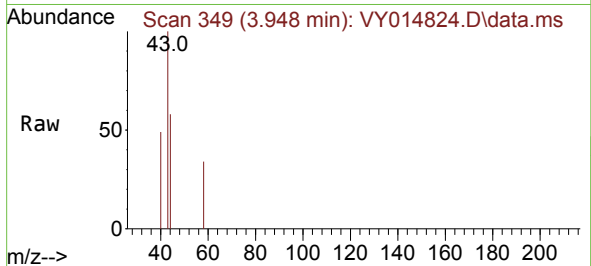




#16
Acetone
Concen: 1.622 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014824.D
Acq: 26 Jul 2023 00:48

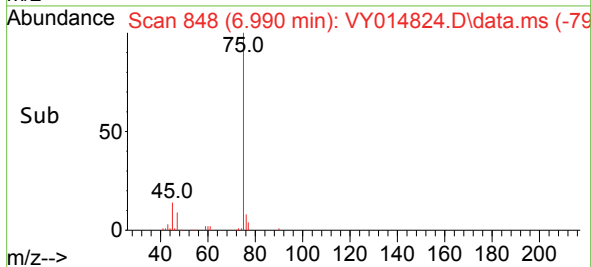
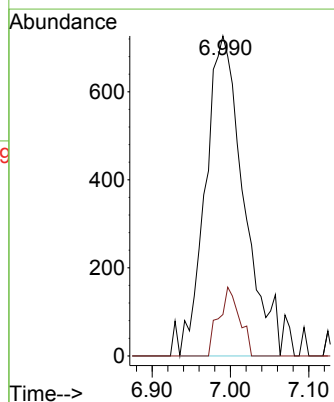
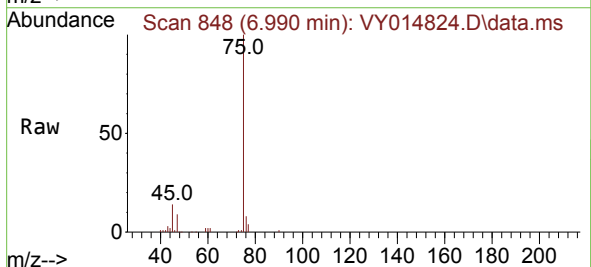
Instrument :
MSVOA_Y
ClientSampleId :
B-P24B

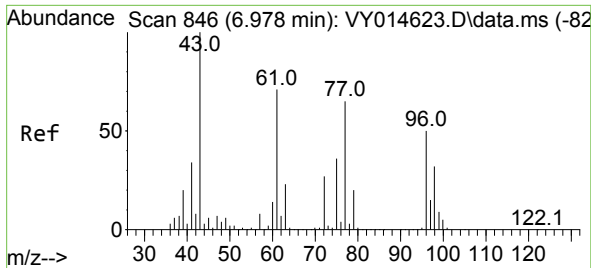
Tgt Ion: 43 Resp: 846
Ion Ratio Lower Upper
43 100
58 33.6 22.7 34.1



#25
2-Butanone
Concen: 3.209 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY014824.D
Acq: 26 Jul 2023 00:48

Tgt Ion: 43 Resp: 2449
Ion Ratio Lower Upper
43 100
72 12.9 20.5 30.7#

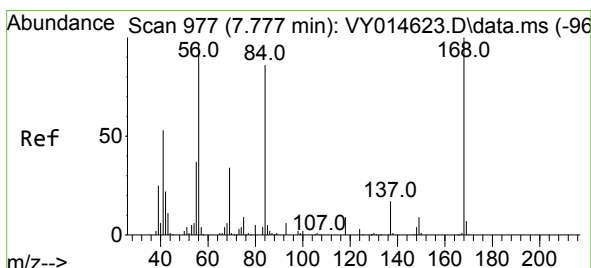
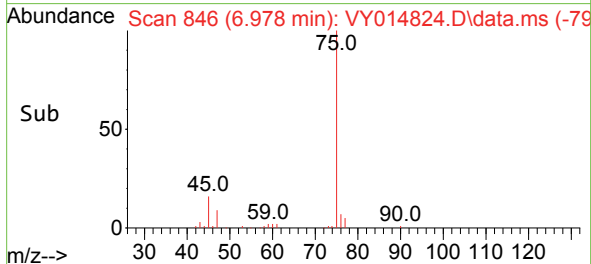
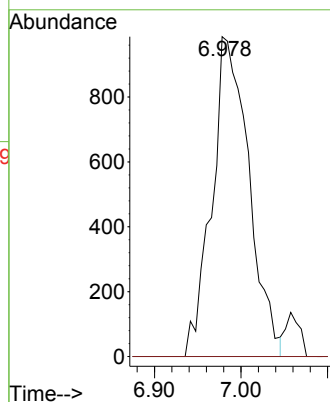
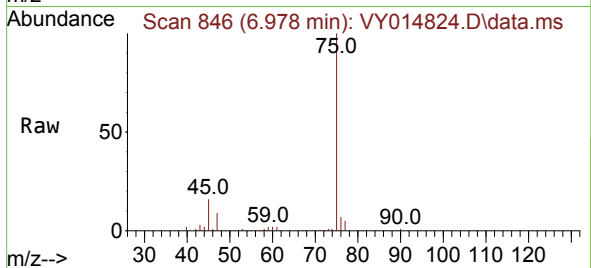




#26
2,2-Dichloropropane
Concen: 1.045 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014824.D
Acq: 26 Jul 2023 00:48

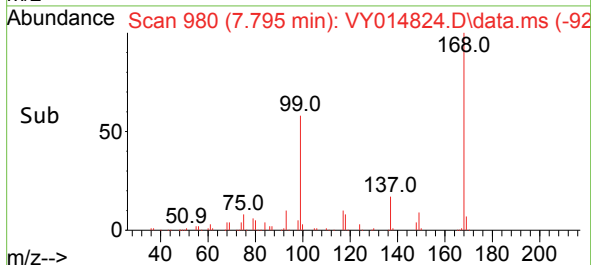
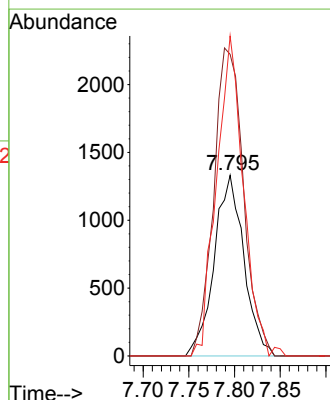
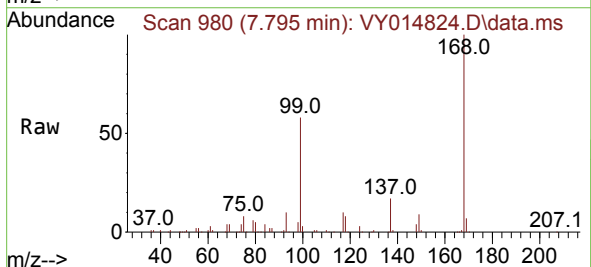
Instrument :
MSVOA_Y
ClientSampleId :
B-P24B

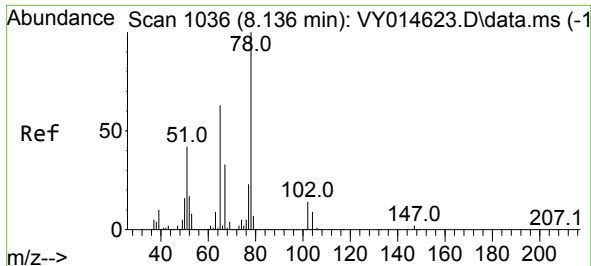
Tgt Ion: 77 Resp: 2926
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.098 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.018 min
Lab File: VY014824.D
Acq: 26 Jul 2023 00:48

Tgt Ion: 56 Resp: 3000
Ion Ratio Lower Upper
56 100
69 167.0 27.8 41.6#
84 177.2 66.4 99.6#

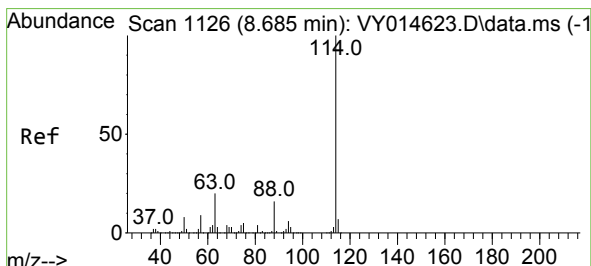
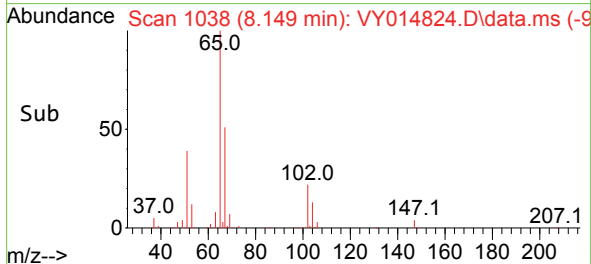
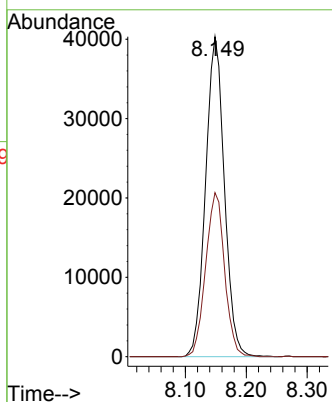
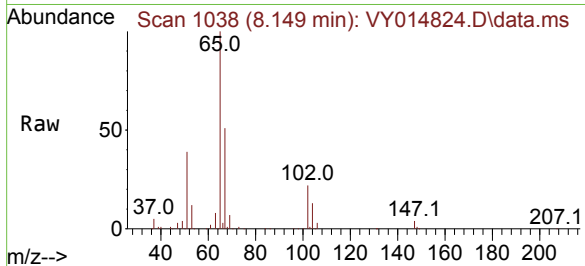




#33
 1,2-Dichloroethane-d4
 Concen: 52.490 ug/l
 RT: 8.149 min Scan# 1036
 Delta R.T. 0.013 min
 Lab File: VY014824.D
 Acq: 26 Jul 2023 00:48

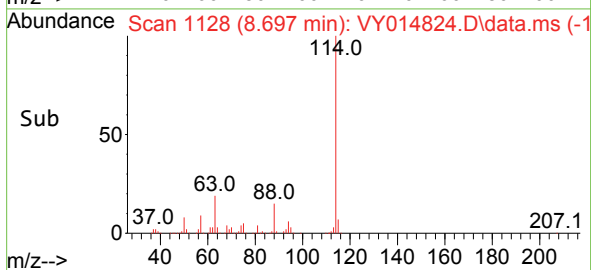
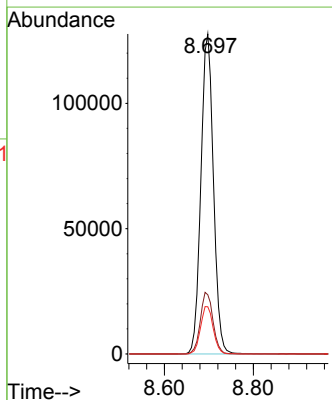
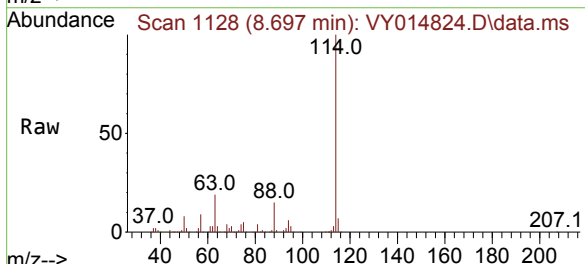
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P24B

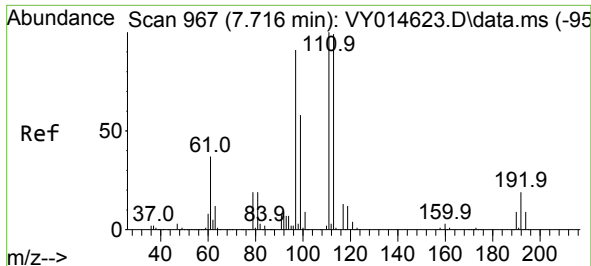
Tgt Ion: 65 Resp: 86418
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.012 min
 Lab File: VY014824.D
 Acq: 26 Jul 2023 00:48

Tgt Ion: 114 Resp: 251514
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 42.4
 88 14.7 0.0 30.6

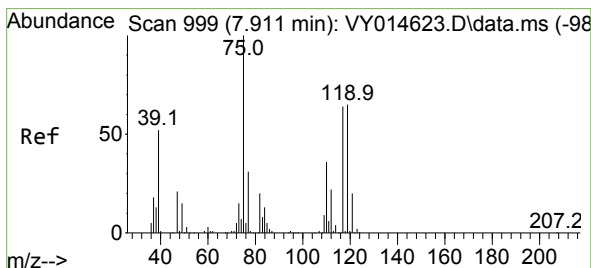
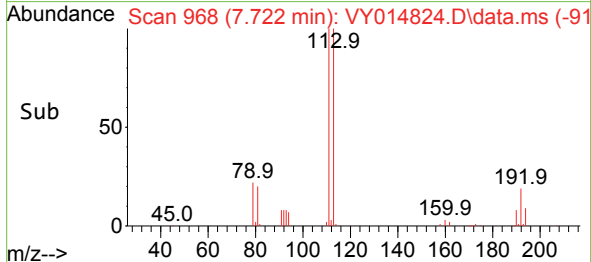
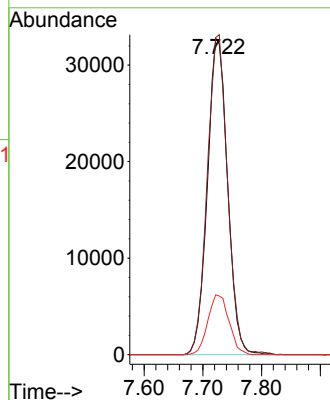
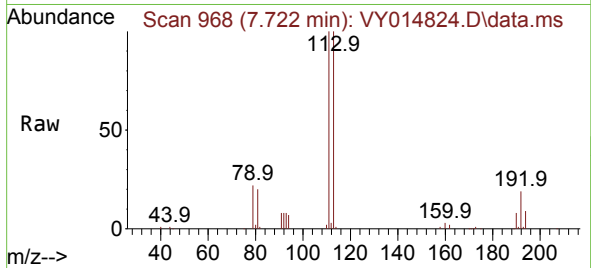




#35
Dibromofluoromethane
Concen: 48.826 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014824.D
Acq: 26 Jul 2023 00:48

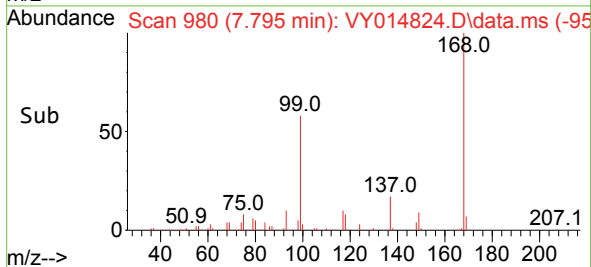
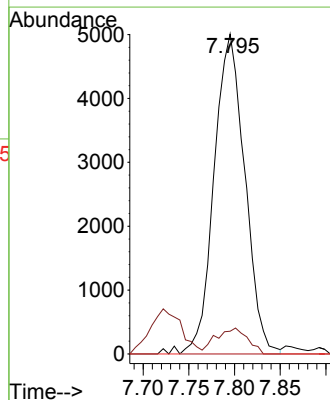
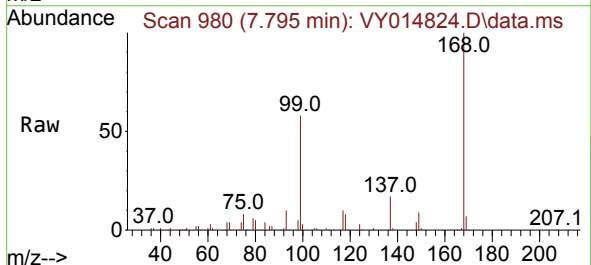
Instrument :
MSVOA_Y
ClientSampleId :
B-P24B

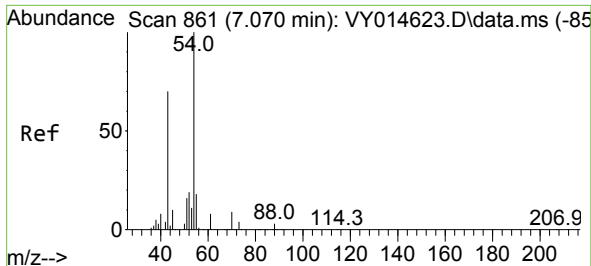
Tgt Ion:113 Resp: 78174
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.884 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY014824.D
Acq: 26 Jul 2023 00:48

Tgt Ion: 75 Resp: 11695
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.486 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.080 min

Lab File: VY014824.D

Acq: 26 Jul 2023 00:48

Instrument :

MSVOA_Y

ClientSampleId :

B-P24B

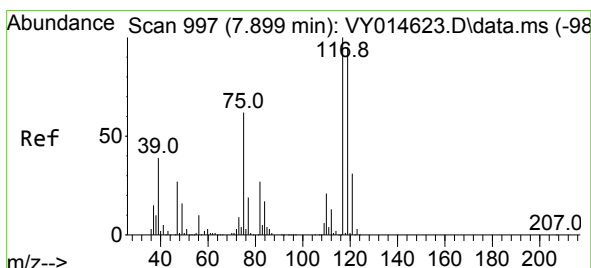
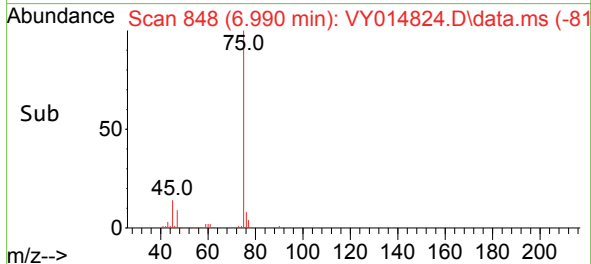
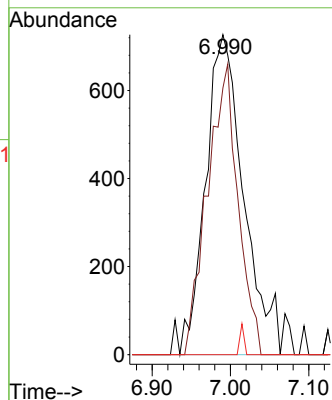
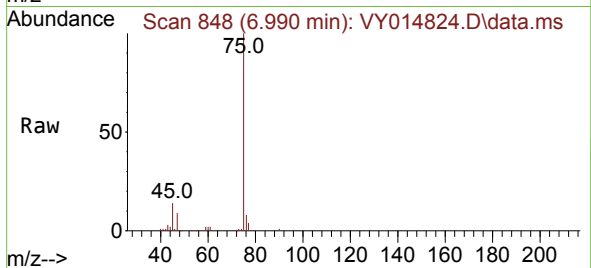
Tgt Ion: 43 Resp: 2449

Ion Ratio Lower Upper

43 100

61 73.3 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.639 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY014824.D

Acq: 26 Jul 2023 00:48

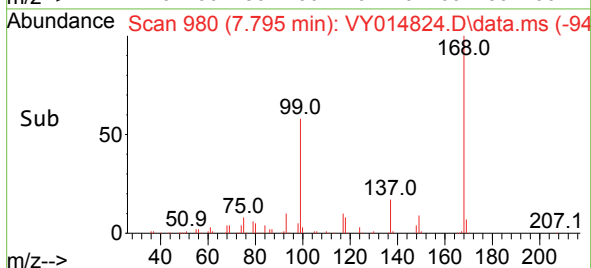
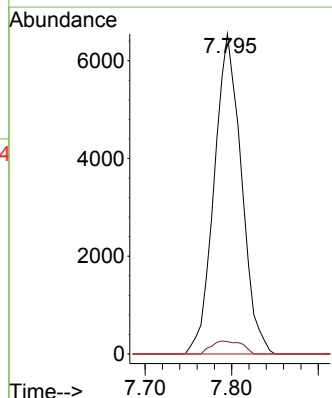
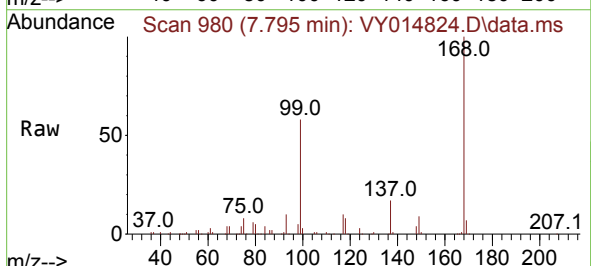
Tgt Ion: 117 Resp: 14273

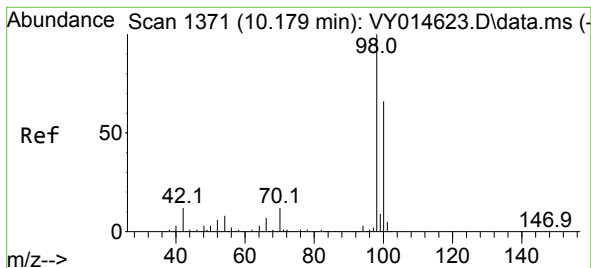
Ion Ratio Lower Upper

117 100

119 3.9 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.359 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014824.D

Acq: 26 Jul 2023 00:48

Instrument :

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ClientSampleId :

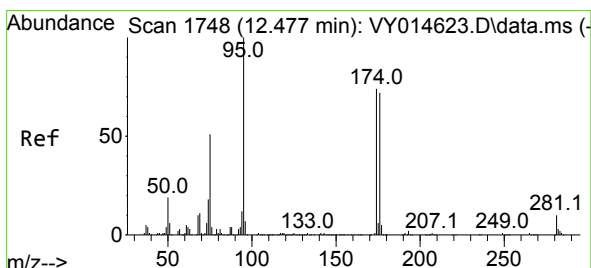
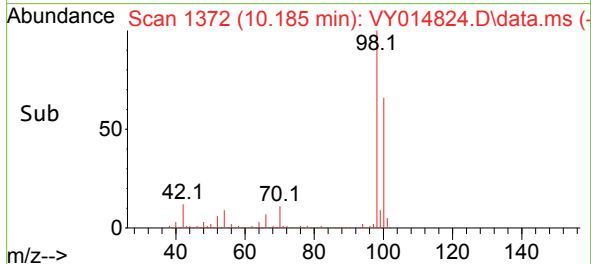
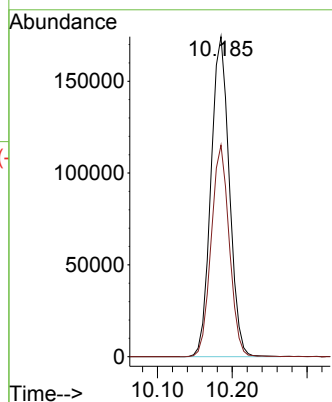
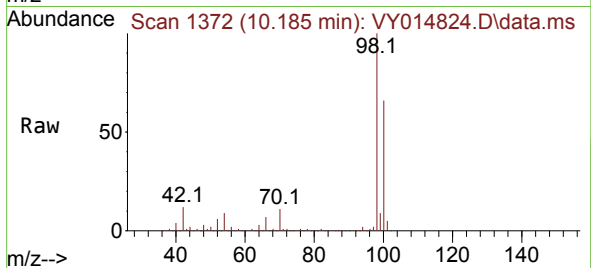
B-P24B

Tgt Ion: 98 Resp: 297262

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 46.625 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY014824.D

Acq: 26 Jul 2023 00:48

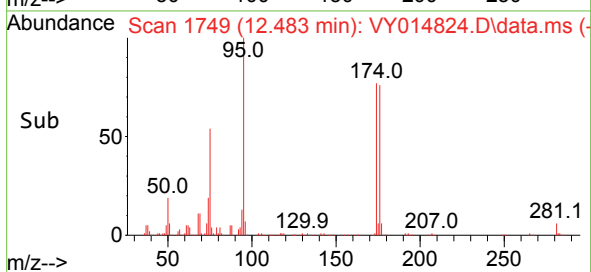
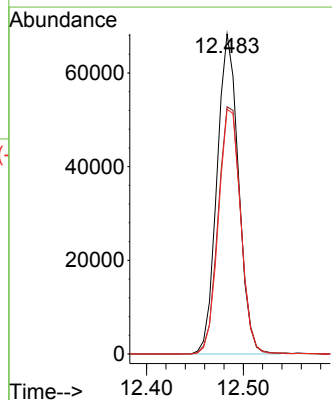
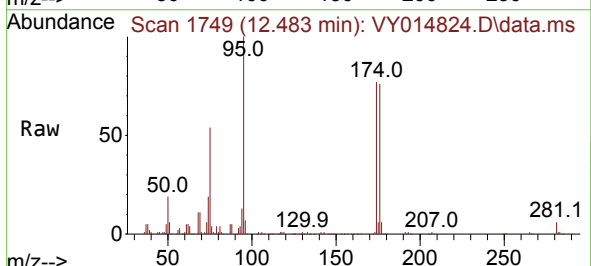
Tgt Ion: 95 Resp: 105530

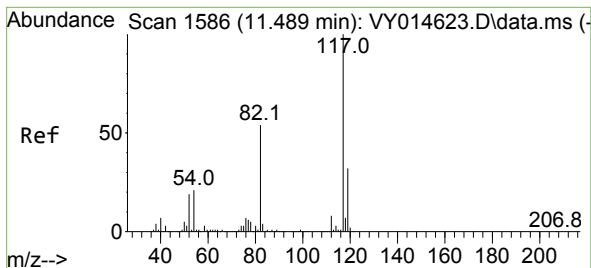
Ion Ratio Lower Upper

95 100

174 80.9 0.0 178.2

176 79.1 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: VY014824.D

Acq: 26 Jul 2023 00:48

Instrument :

MSVOA_Y

ClientSampleId :

B-P24B

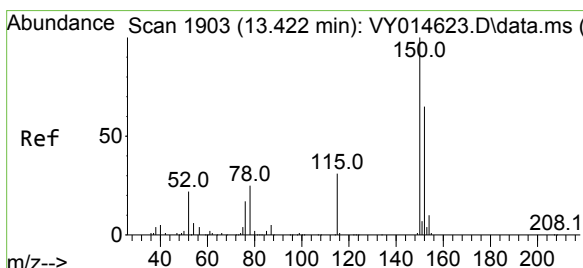
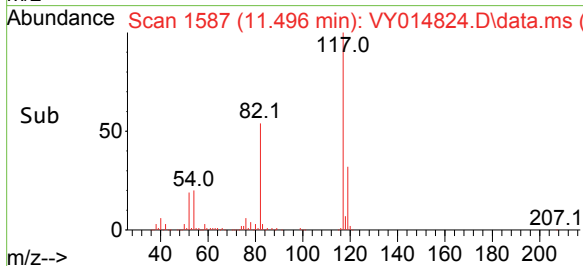
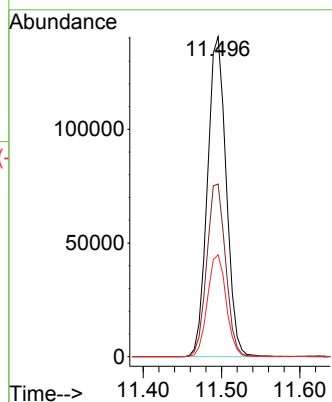
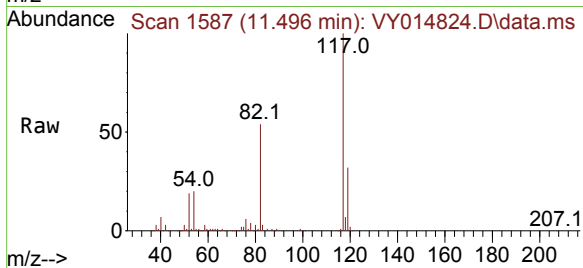
Tgt Ion:117 Resp: 233851

Ion Ratio Lower Upper

117 100

82 53.9 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: VY014824.D

Acq: 26 Jul 2023 00:48

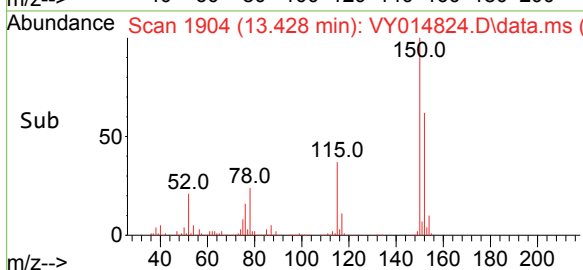
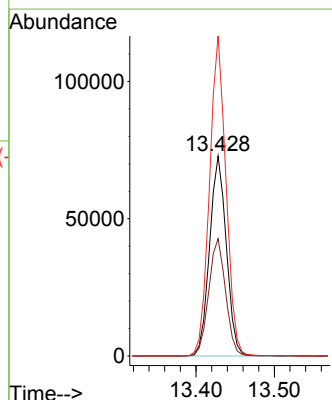
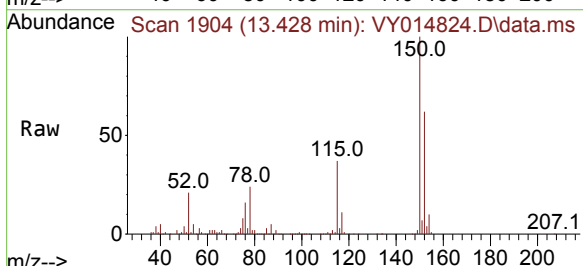
Tgt Ion:152 Resp: 108125

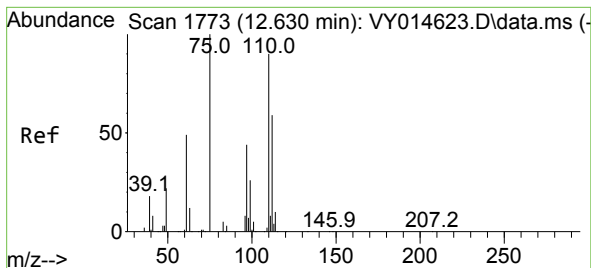
Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.5

150 157.1 0.0 348.8

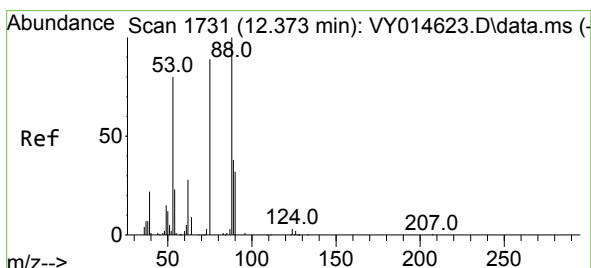
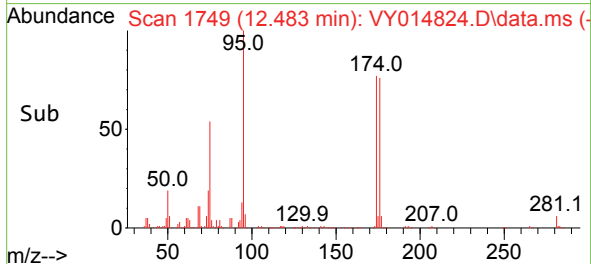
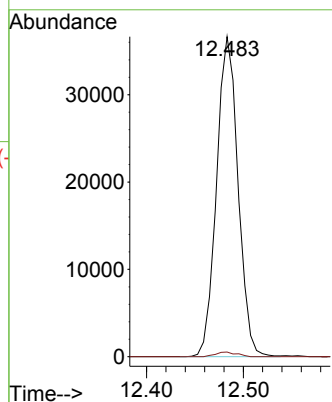
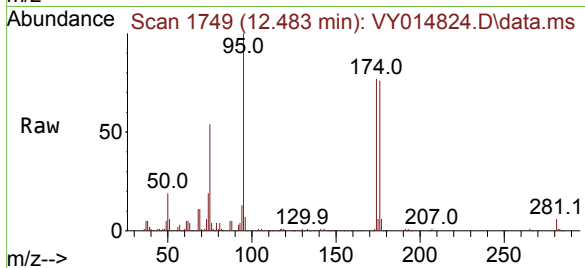




#76
1,2,3-Trichloropropane
Concen: 41.388 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY014824.D
Acq: 26 Jul 2023 00:48

Instrument :
MSVOA_Y
ClientSampleId :
B-P24B

Tgt Ion: 75 Resp: 56519
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.135 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY014824.D
Acq: 26 Jul 2023 00:48

Tgt Ion: 75 Resp: 56519
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

