

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014757.D
 Acq On : 21 Jul 2023 19:16
 Operator : SY/MD
 Sample : 03706-07
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P21A

Quant Time: Jul 22 05:41:29 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)

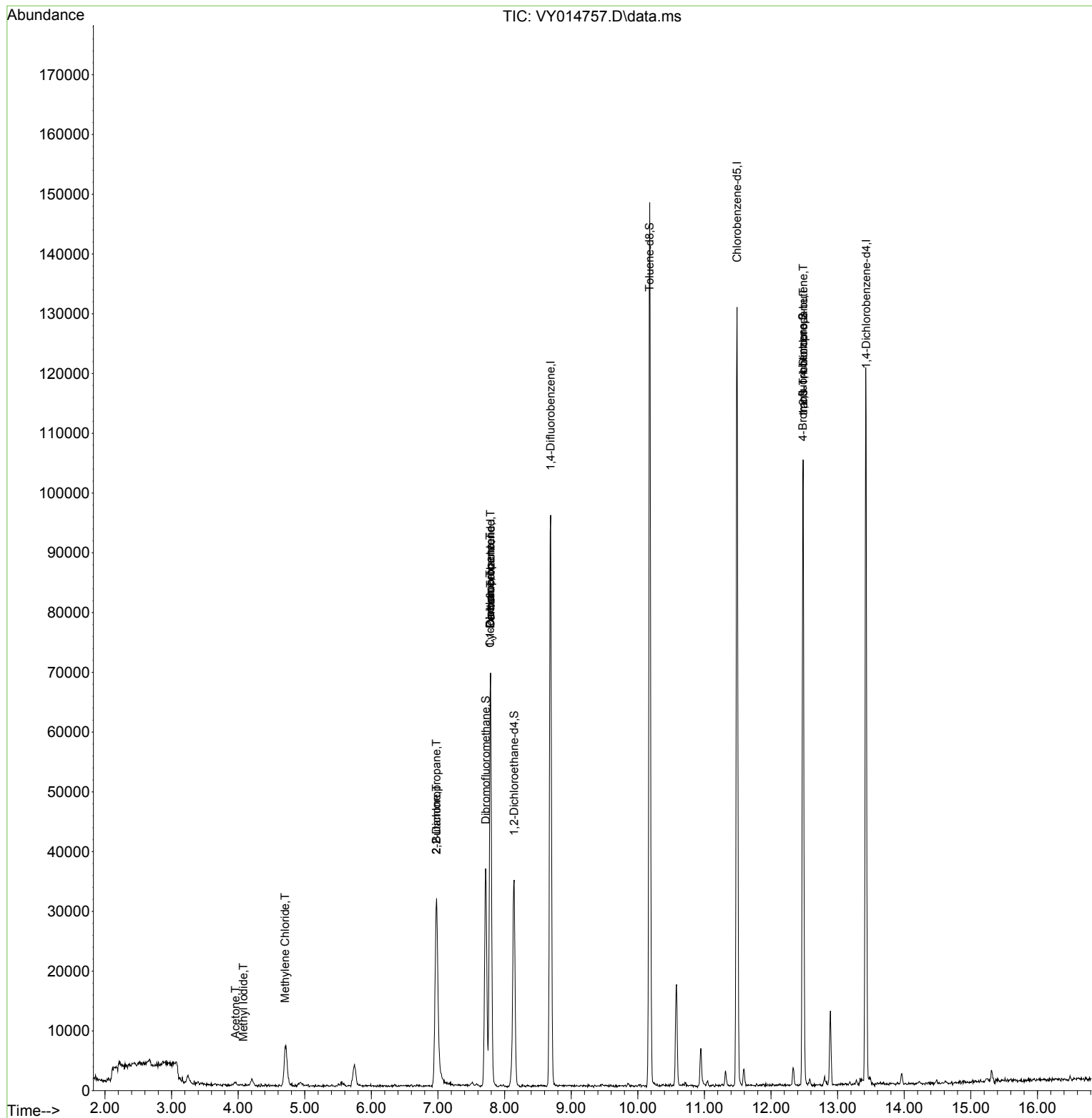
Internal Standards						
1) Pentafluorobenzene	7.789	168	53059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	85482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	72203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	30382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	26557	43.923	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.840%		
35) Dibromofluoromethane	7.716	113	25473	46.812	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.620%		
50) Toluene-d8	10.179	98	98277	48.987	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.980%		
62) 4-Bromofluorobenzene	12.477	95	32097	41.725	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.460%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.076	142	19	2.400	ug/l #	38
11) Tert butyl alcohol	4.948	59	857	Below Cal	#	89
16) Acetone	3.960	43	1110	5.793	ug/l #	88
20) Methylene Chloride	4.704	84	5055	4.258	ug/l #	79
25) 2-Butanone	6.978	43	1897	6.768	ug/l #	49
26) 2,2-Dichloropropane	6.978	77	2371	2.305	ug/l #	54
31) Cyclohexane	7.783	56	1160	1.156	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	4337	5.330	ug/l #	49
38) Carbon Tetrachloride	7.789	117	5301	6.162	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	16824	43.845	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	16824	84.892	ug/l #	10

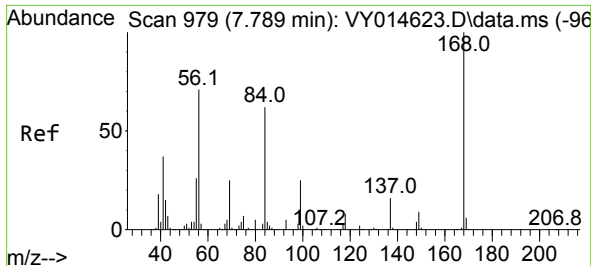
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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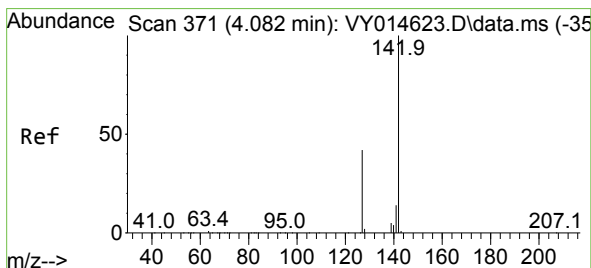
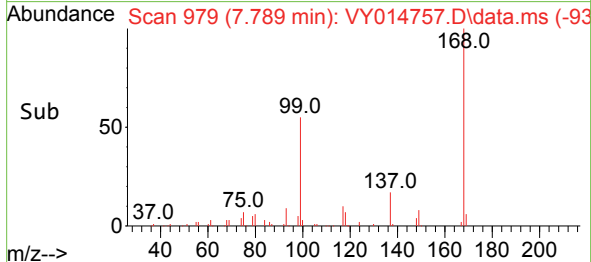
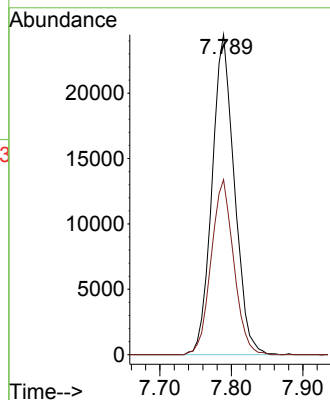
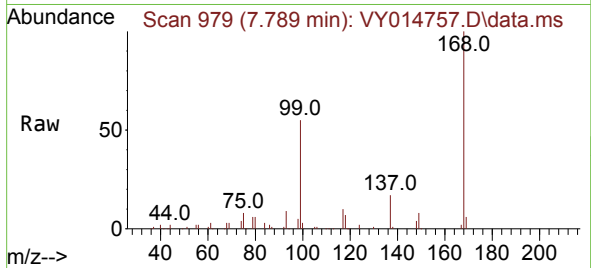




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014757.D
Acq: 21 Jul 2023 19:16

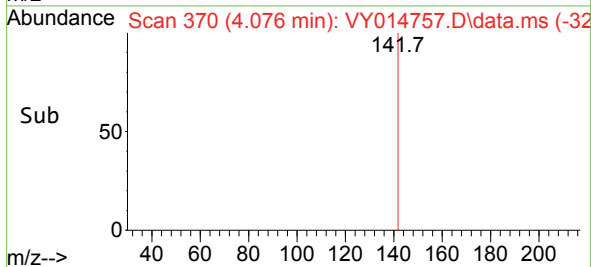
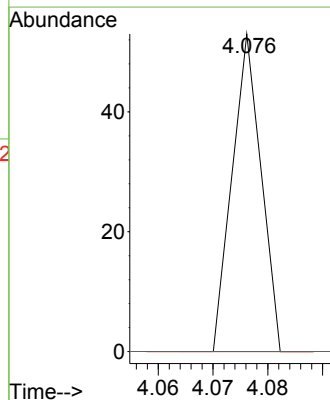
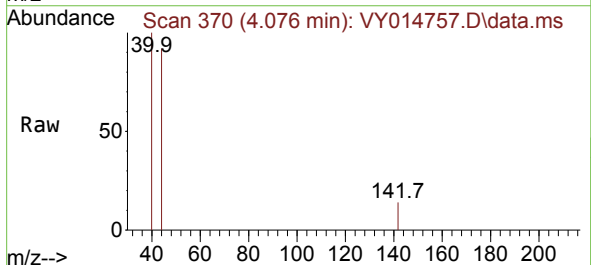
Instrument :
MSVOA_Y
ClientSampleId :
B-P21A

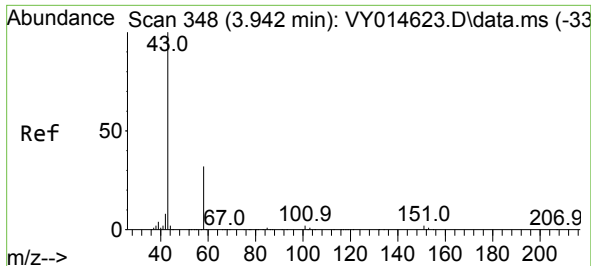
Tgt Ion:168 Resp: 53059
Ion Ratio Lower Upper
168 100
99 54.7 43.4 65.0



#10
Methyl Iodide
Concen: 2.400 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.006 min
Lab File: VY014757.D
Acq: 21 Jul 2023 19:16

Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

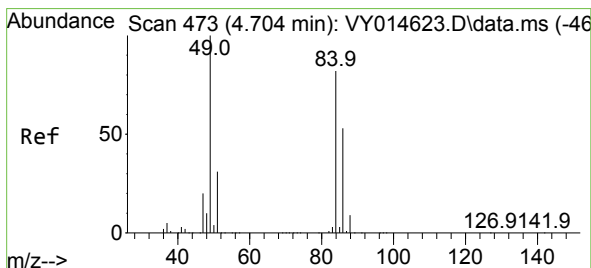
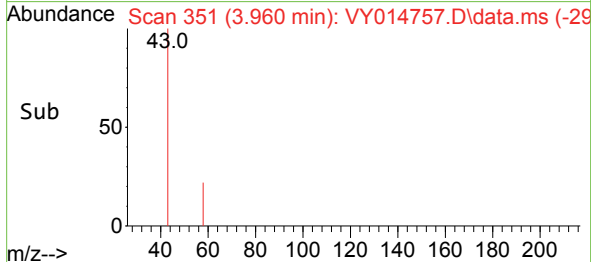
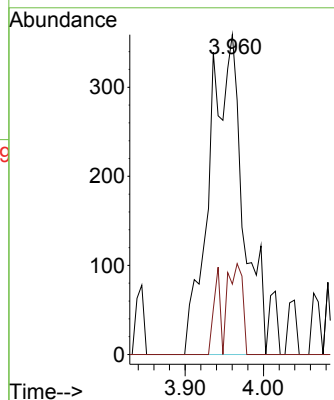
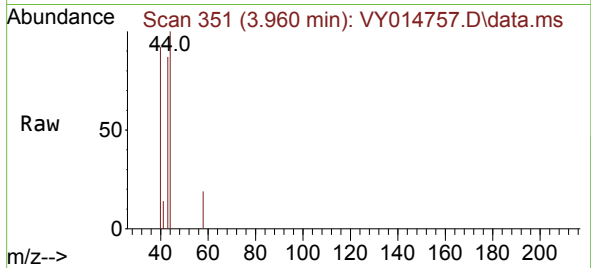




#16
Acetone
Concen: 5.793 ug/l
RT: 3.960 min Scan# 311
Delta R.T. 0.018 min
Lab File: VY014757.D
Acq: 21 Jul 2023 19:16

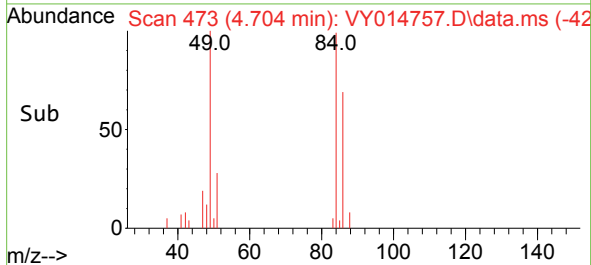
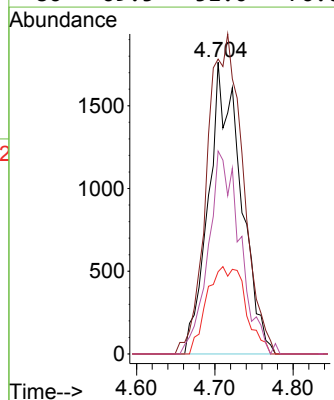
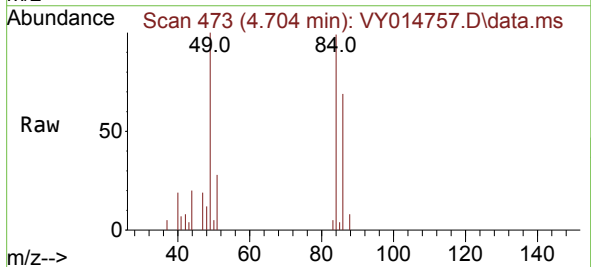
Instrument :
MSVOA_Y
ClientSampleId :
B-P21A

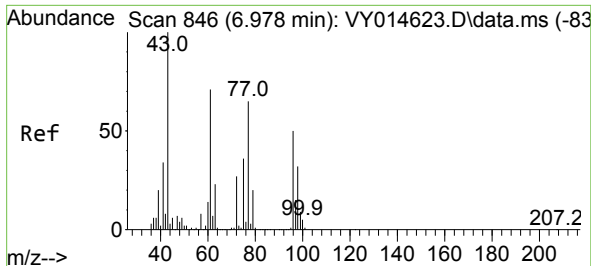
Tgt Ion: 43 Resp: 1110
Ion Ratio Lower Upper
43 100
58 22.0 22.7 34.1#



#20
Methylene Chloride
Concen: 4.258 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY014757.D
Acq: 21 Jul 2023 19:16

Tgt Ion: 84 Resp: 5055
Ion Ratio Lower Upper
84 100
49 101.1 106.9 160.3#
51 28.2 33.2 49.8#
86 69.5 51.0 76.6

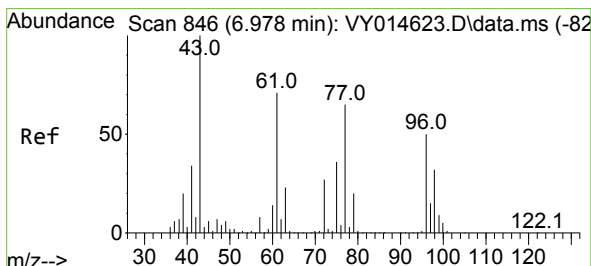
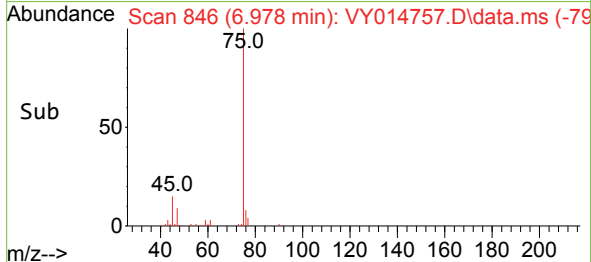
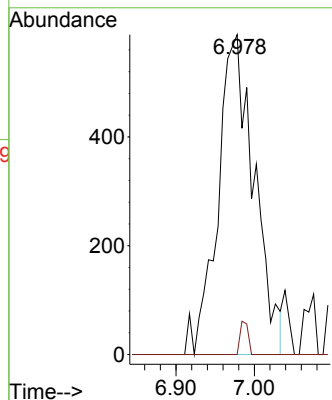
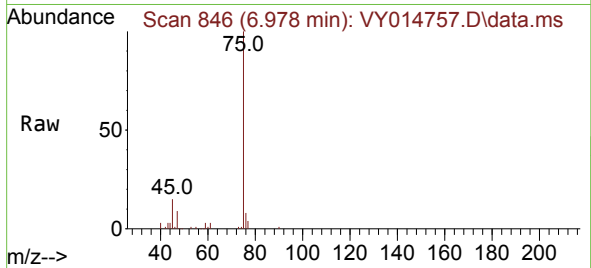




#25
2-Butanone
Concen: 6.768 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014757.D
Acq: 21 Jul 2023 19:16

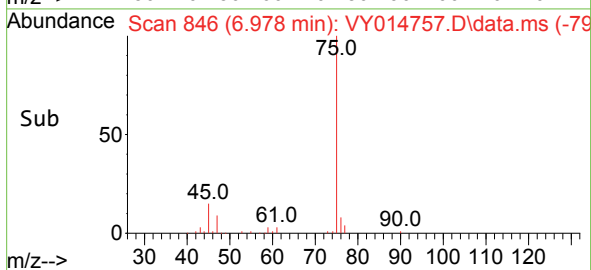
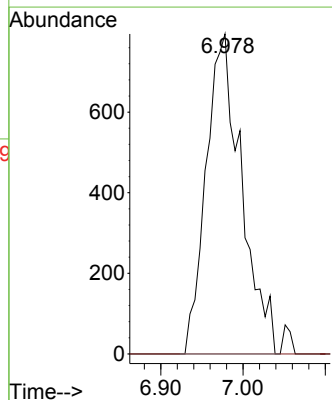
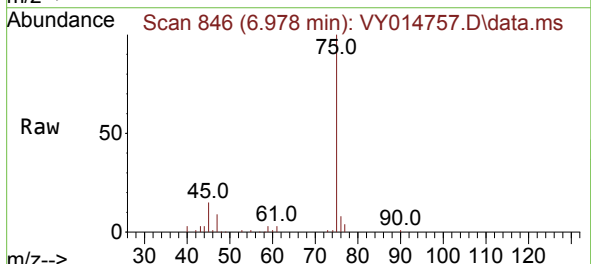
Instrument :
MSVOA_Y
ClientSampleId :
B-P21A

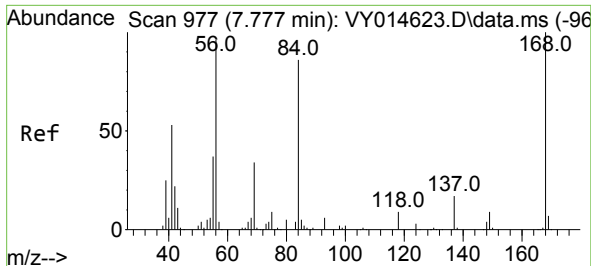
Tgt Ion: 43 Resp: 1897
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.305 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014757.D
Acq: 21 Jul 2023 19:16

Tgt Ion: 77 Resp: 2371
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

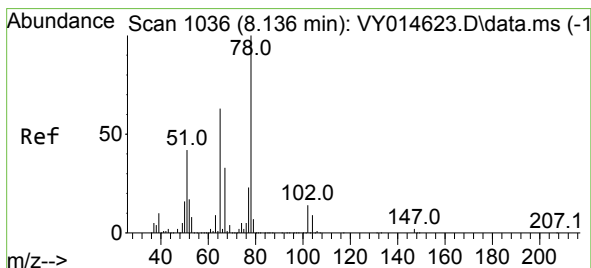
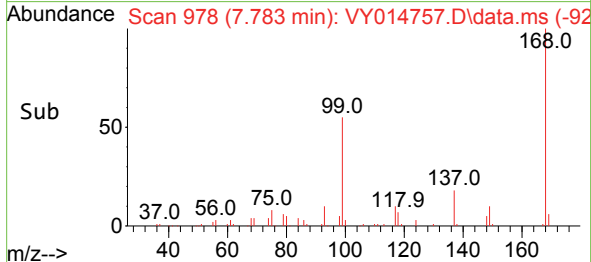
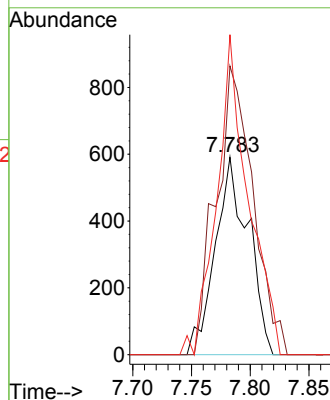
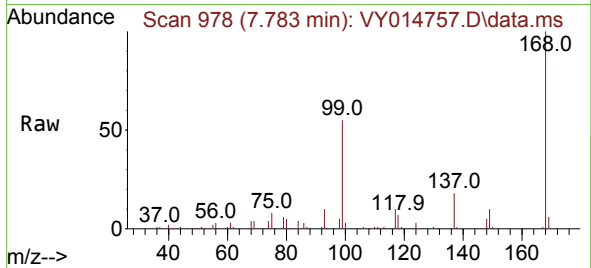




#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014757.D
Acq: 21 Jul 2023 19:16

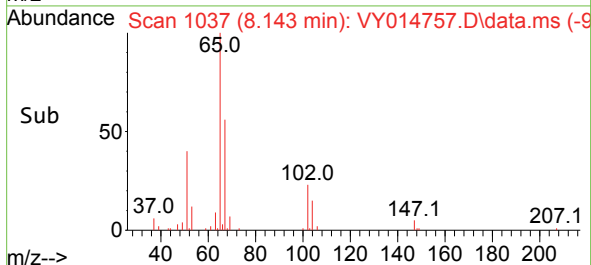
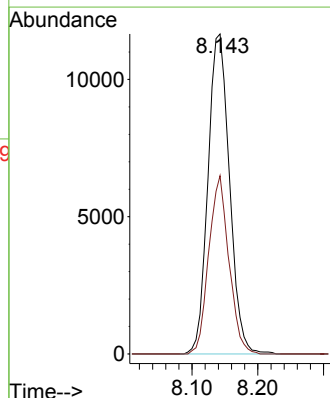
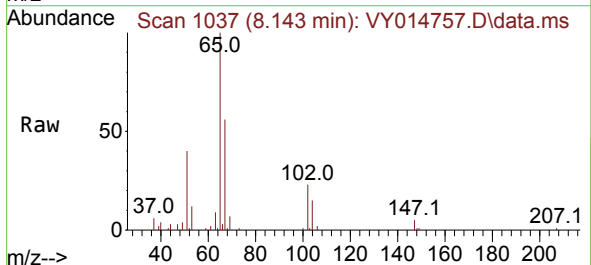
Instrument :
MSVOA_Y
ClientSampleId :
B-P21A

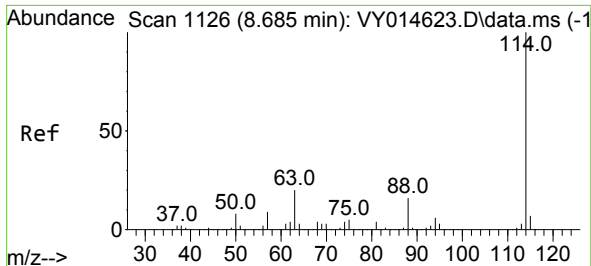
Tgt Ion: 56 Resp: 1160
Ion Ratio Lower Upper
56 100
69 146.2 27.8 41.6#
84 162.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 43.923 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY014757.D
Acq: 21 Jul 2023 19:16

Tgt Ion: 65 Resp: 26557
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014757.D

Acq: 21 Jul 2023 19:16

Instrument :

MSVOA_Y

ClientSampleId :

B-P21A

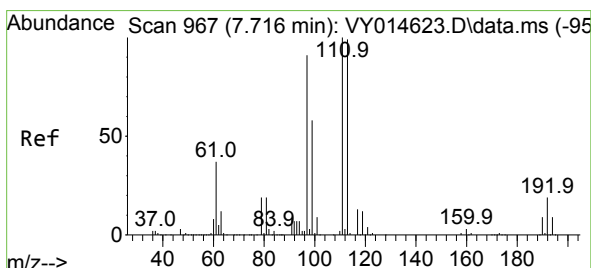
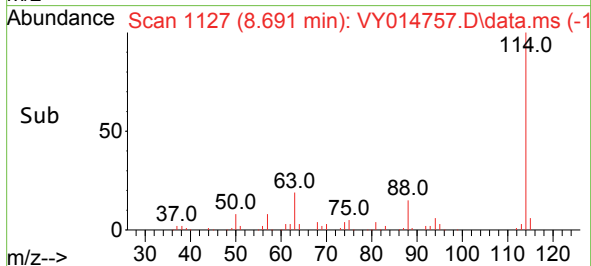
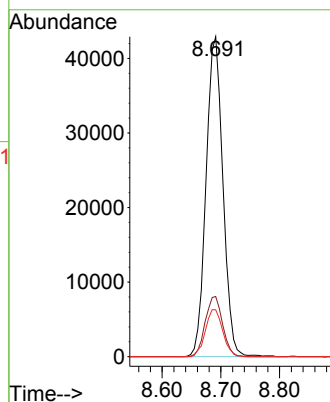
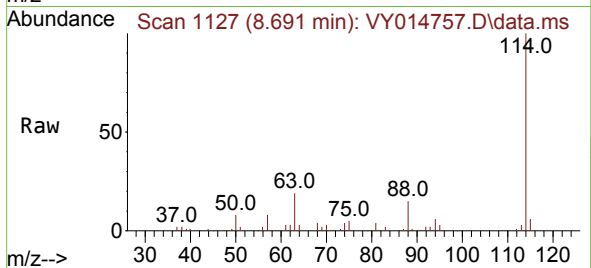
Tgt Ion:114 Resp: 85482

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.812 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014757.D

Acq: 21 Jul 2023 19:16

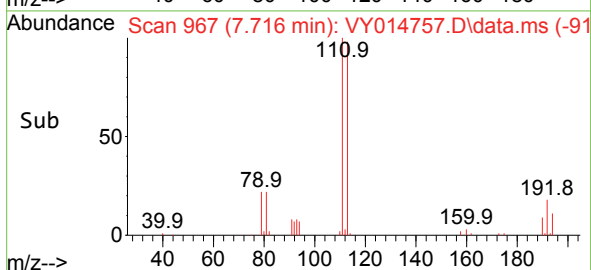
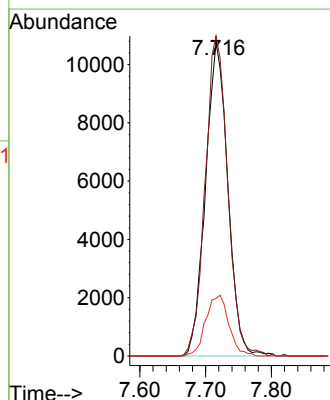
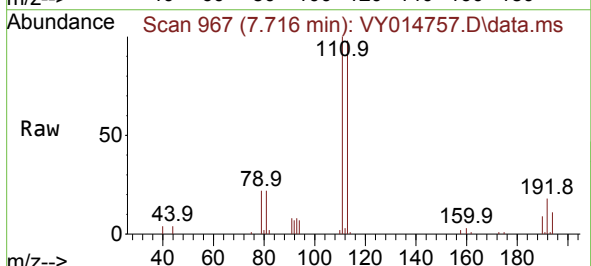
Tgt Ion:113 Resp: 25473

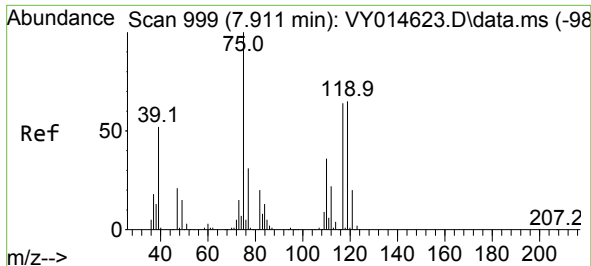
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 19.9 16.9 25.3

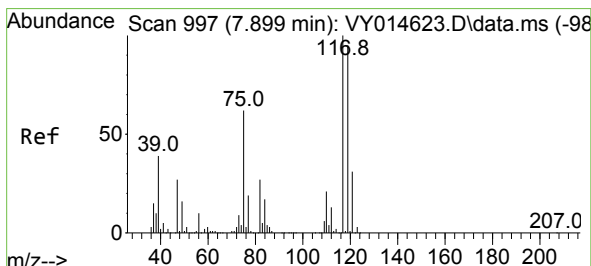
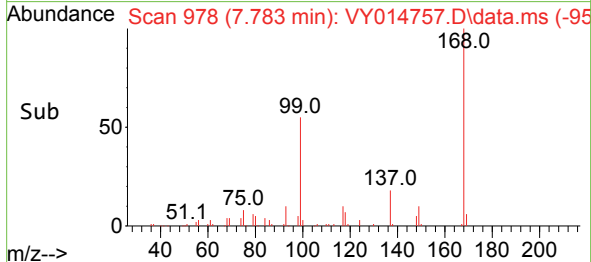
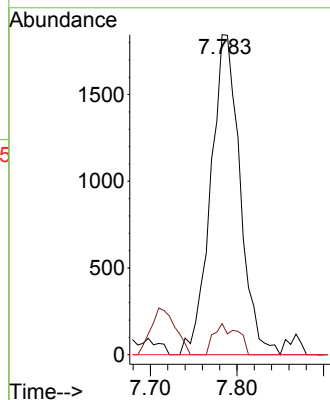
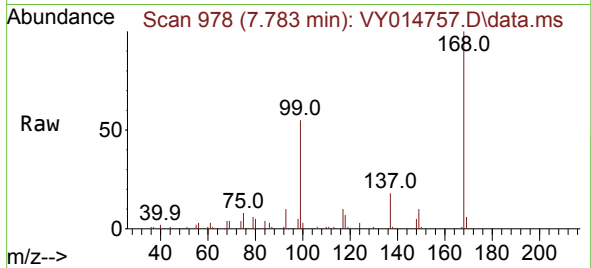




#36
 1,1-Dichloropropene
 Concen: 5.330 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY014757.D
 Acq: 21 Jul 2023 19:16

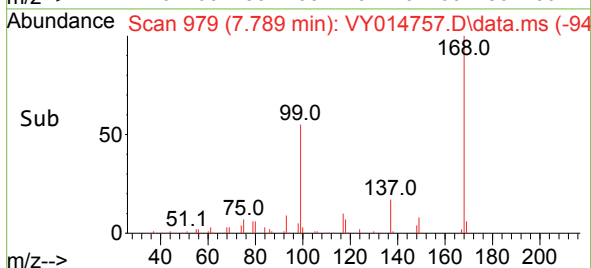
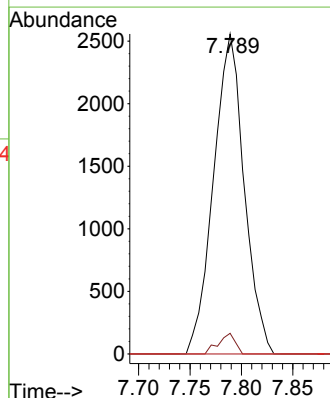
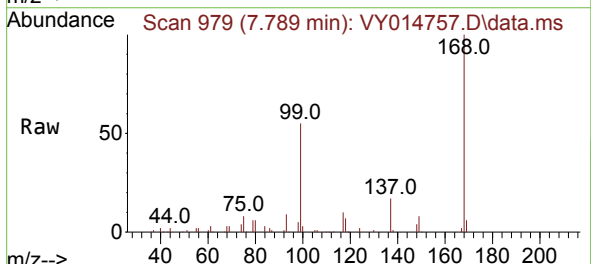
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 B-P21A

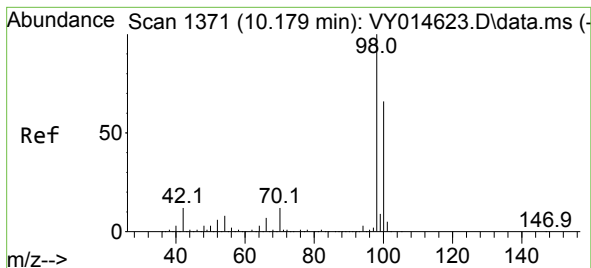
Tgt Ion: 75 Resp: 4337
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.162 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY014757.D
 Acq: 21 Jul 2023 19:16

Tgt Ion: 117 Resp: 5301
 Ion Ratio Lower Upper
 117 100
 119 6.5 76.4 114.6#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 48.987 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014757.D

Acq: 21 Jul 2023 19:16

Instrument :

MSVOA_Y

ClientSampleId :

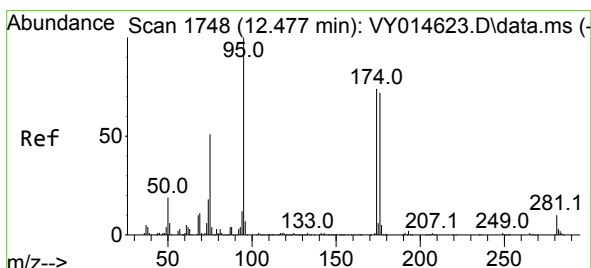
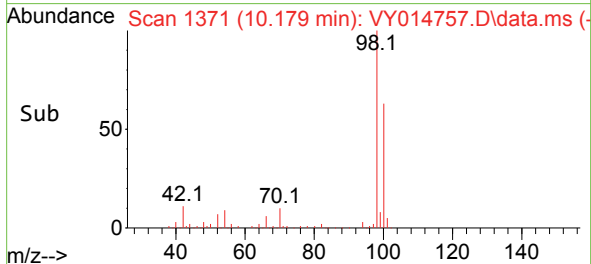
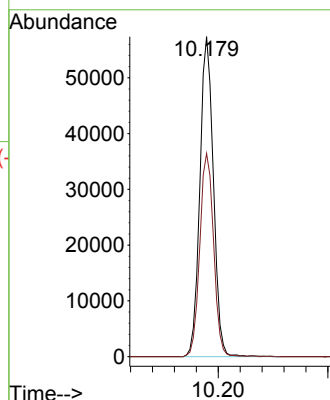
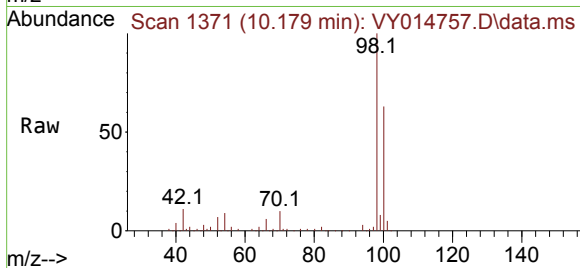
B-P21A

Tgt Ion: 98 Resp: 98277

Ion Ratio Lower Upper

98 100

100 64.9 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 41.725 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014757.D

Acq: 21 Jul 2023 19:16

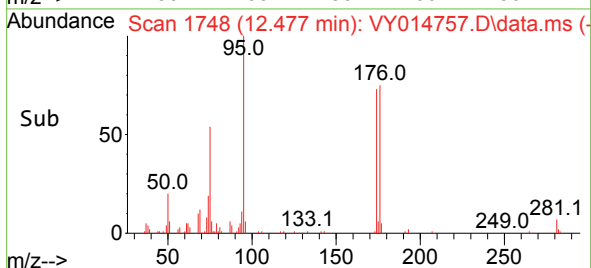
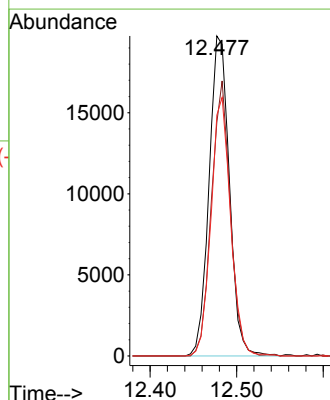
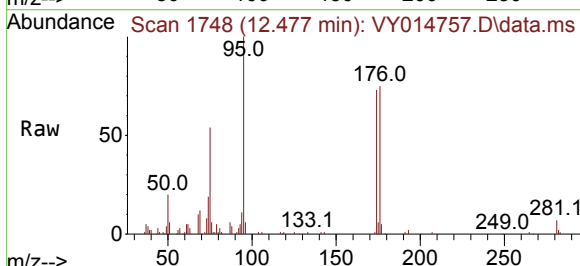
Tgt Ion: 95 Resp: 32097

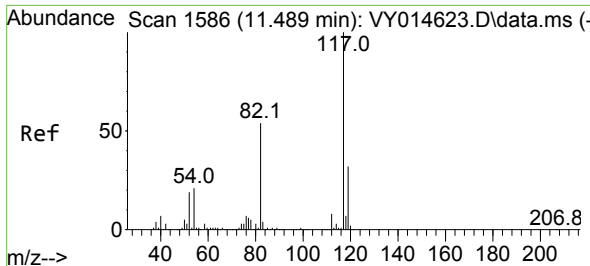
Ion Ratio Lower Upper

95 100

174 80.3 0.0 178.2

176 78.2 0.0 173.8

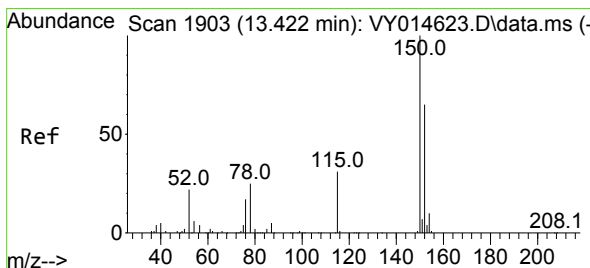
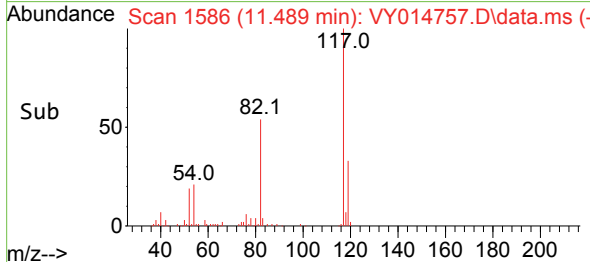
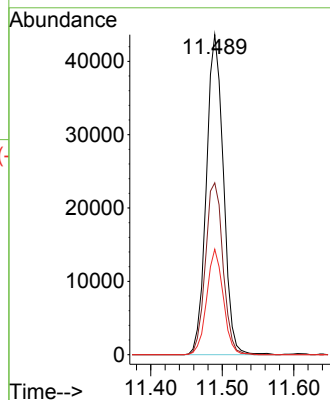
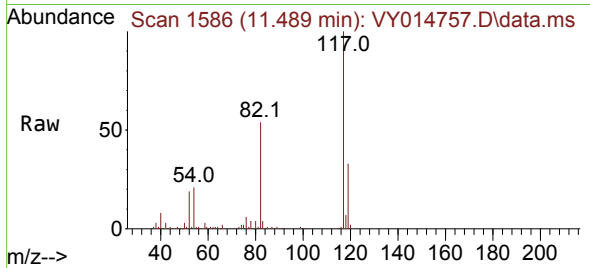




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY014757.D
Acq: 21 Jul 2023 19:16

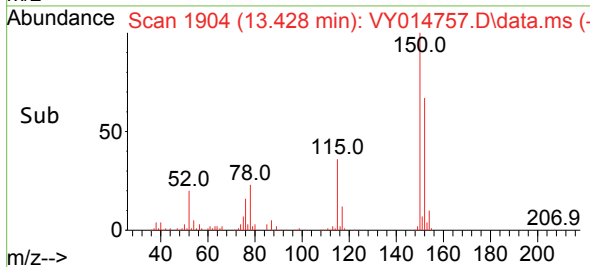
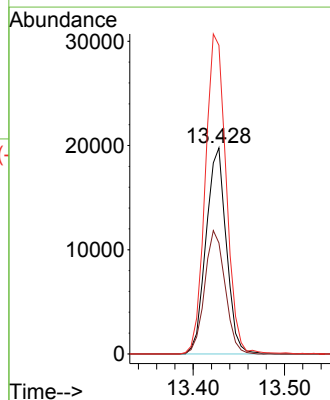
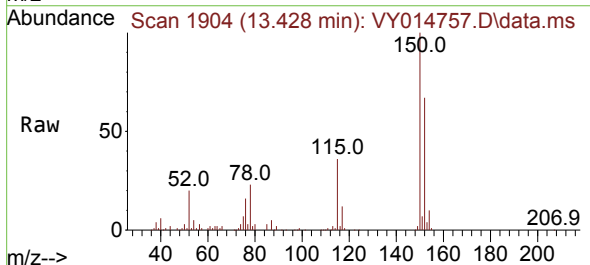
Instrument :
MSVOA_Y
ClientSampleId :
B-P21A

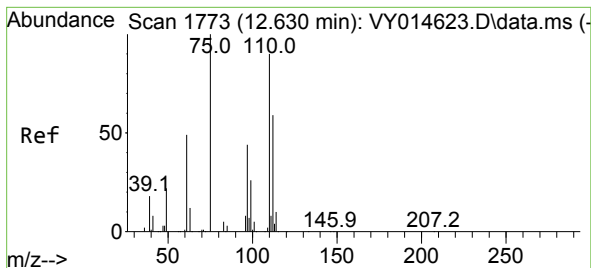
Tgt Ion:117 Resp: 72203
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 33.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014757.D
Acq: 21 Jul 2023 19:16

Tgt Ion:152 Resp: 30382
Ion Ratio Lower Upper
152 100
115 60.3 28.8 86.5
150 159.9 0.0 348.8

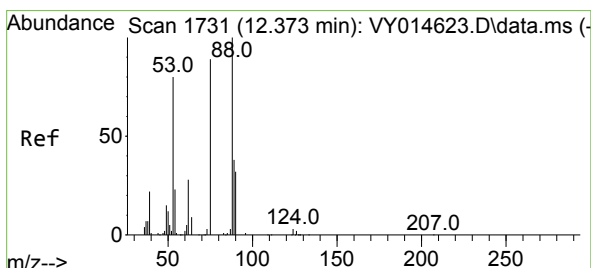
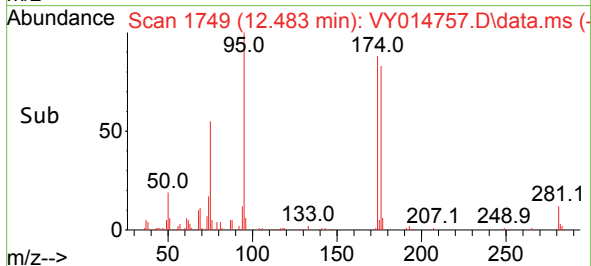
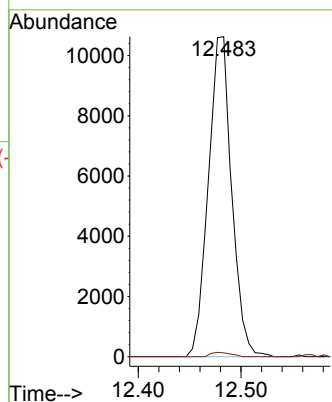
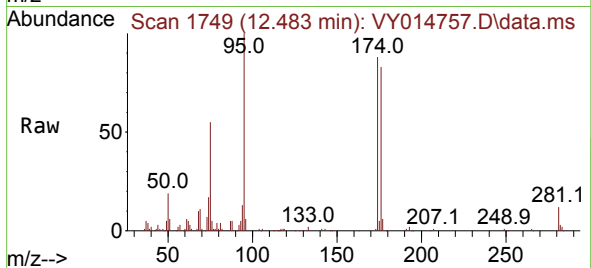




#76
1,2,3-Trichloropropane
Concen: 43.845 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY014757.D
Acq: 21 Jul 2023 19:16

Instrument :
MSVOA_Y
ClientSampleId :
B-P21A

Tgt Ion: 75 Resp: 16824
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.892 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY014757.D
Acq: 21 Jul 2023 19:16

Tgt Ion: 75 Resp: 16824
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

