

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014801.D
 Acq On : 25 Jul 2023 14:58
 Operator : SY/MD
 Sample : 03742-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P32A

Quant Time: Jul 26 01:18:47 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)

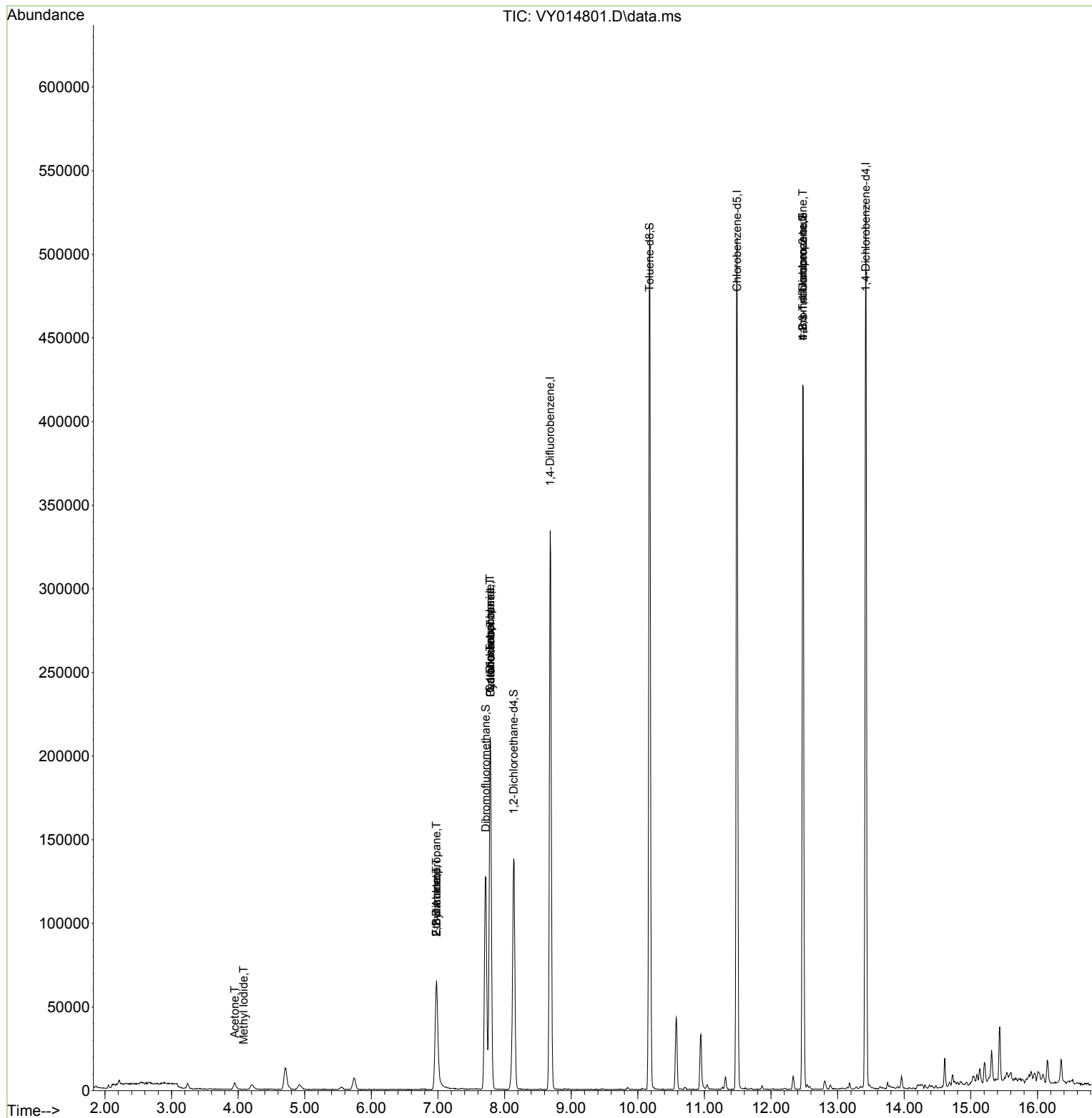
Internal Standards						
1) Pentafluorobenzene	7.789	168	164938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	291952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	278577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	134827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	104951	55.839	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.680%			
35) Dibromofluoromethane	7.716	113	92289	49.658	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.320%			
50) Toluene-d8	10.179	98	346459	50.564	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.120%			
62) 4-Bromofluorobenzene	12.477	95	129316	49.221	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.440%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.082	142	138	2.441	ug/l #	38
11) Tert butyl alcohol	4.924	59	3671	Below Cal	#	89
16) Acetone	3.948	43	6930	11.635	ug/l	93
25) 2-Butanone	6.978	43	3732	4.283	ug/l #	76
26) 2,2-Dichloropropane	6.978	77	5213	1.630	ug/l #	54
31) Cyclohexane	7.789	56	3482	1.116	ug/l #	15
36) 1,1-Dichloropropene	7.783	75	13134	4.726	ug/l #	50
37) Ethyl Acetate	6.978	43	3732	1.950	ug/l #	1
38) Carbon Tetrachloride	7.783	117	16189	5.510	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	68576	40.272	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	68576	77.973	ug/l #	11

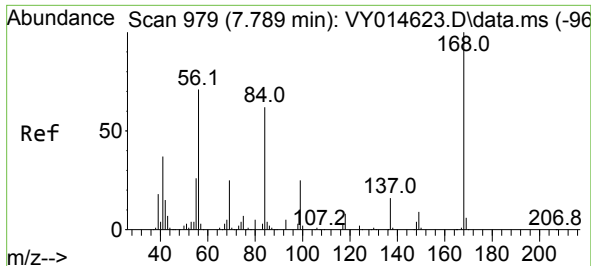
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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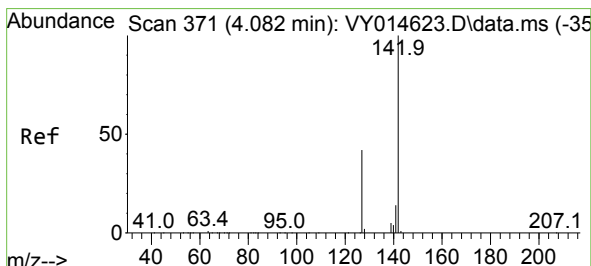
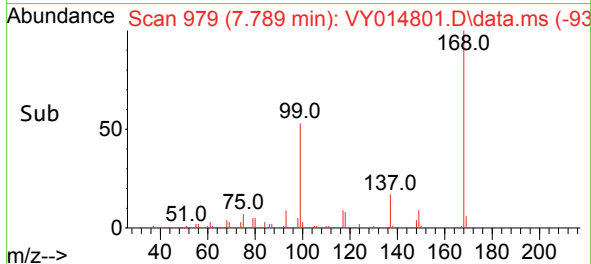
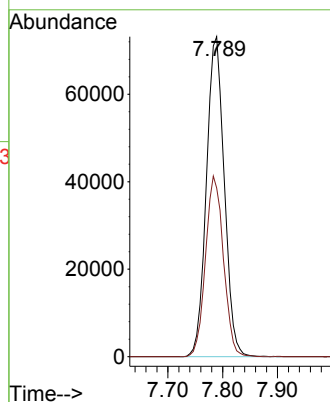
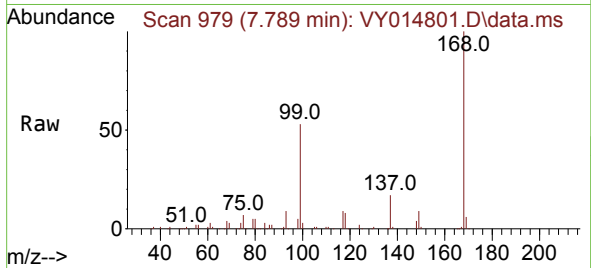




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014801.D
Acq: 25 Jul 2023 14:58

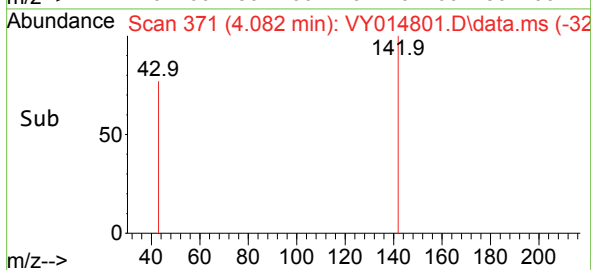
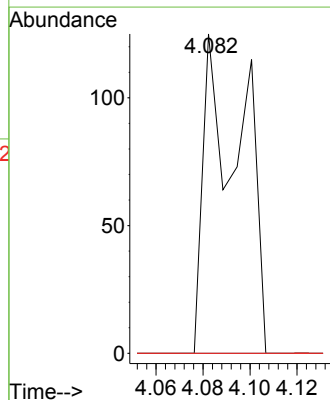
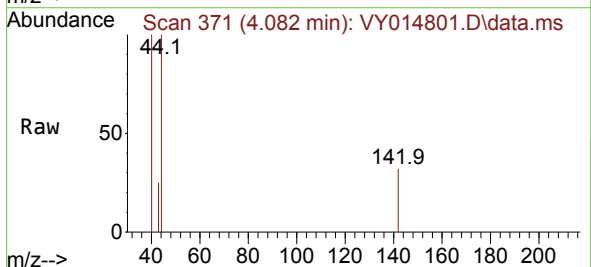
Instrument :
MSVOA_Y
ClientSampleId :
B-P32A

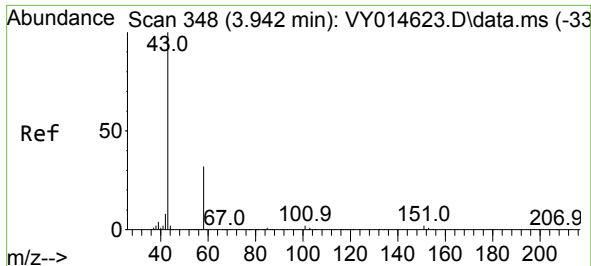
Tgt Ion:168 Resp: 164938
Ion Ratio Lower Upper
168 100
99 52.7 43.4 65.0



#10
Methyl Iodide
Concen: 2.441 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014801.D
Acq: 25 Jul 2023 14:58

Tgt Ion:142 Resp: 138
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

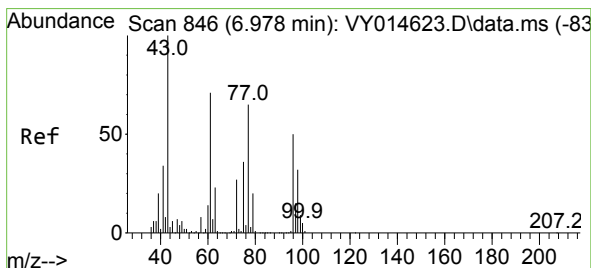
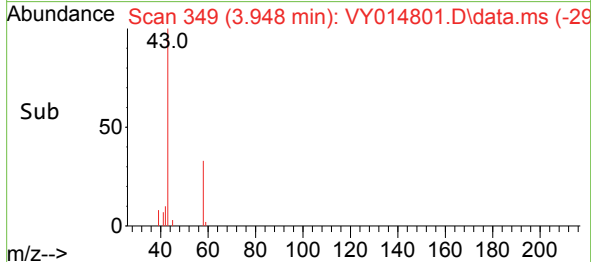
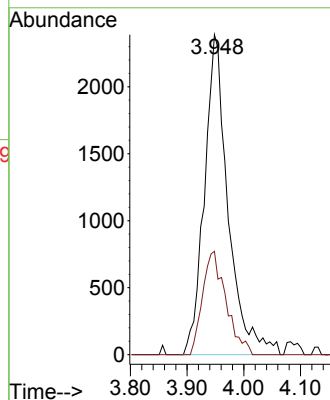
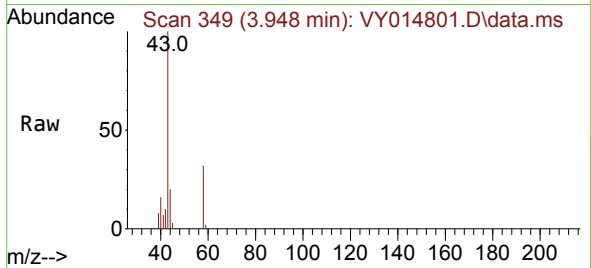




#16
Acetone
Concen: 11.635 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014801.D
Acq: 25 Jul 2023 14:58

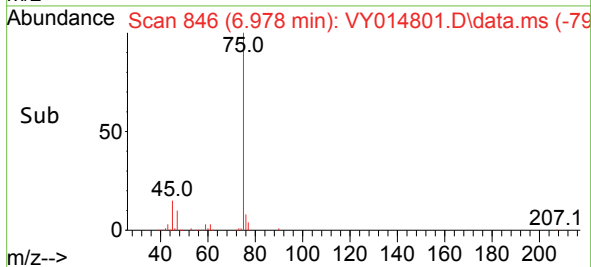
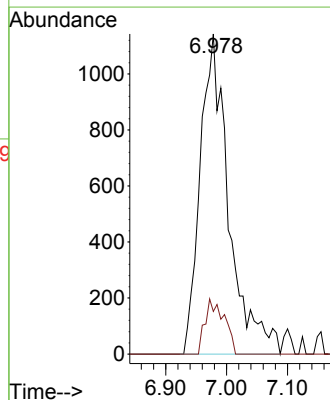
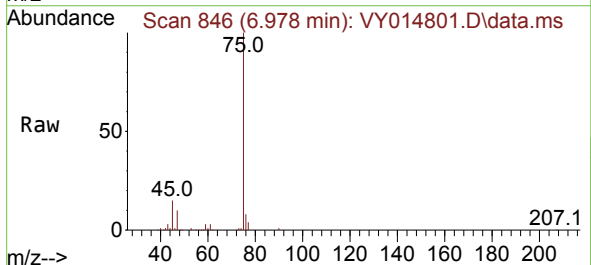
Instrument :
MSVOA_Y
ClientSampleId :
B-P32A

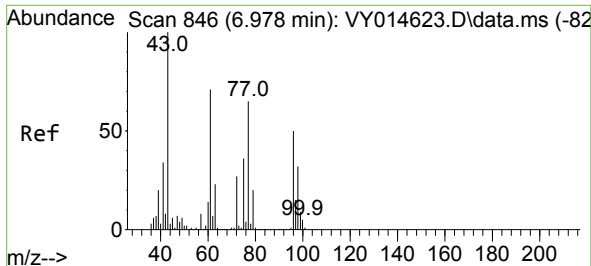
Tgt Ion: 43 Resp: 6930
Ion Ratio Lower Upper
43 100
58 32.3 22.7 34.1



#25
2-Butanone
Concen: 4.283 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014801.D
Acq: 25 Jul 2023 14:58

Tgt Ion: 43 Resp: 3732
Ion Ratio Lower Upper
43 100
72 13.3 20.5 30.7#

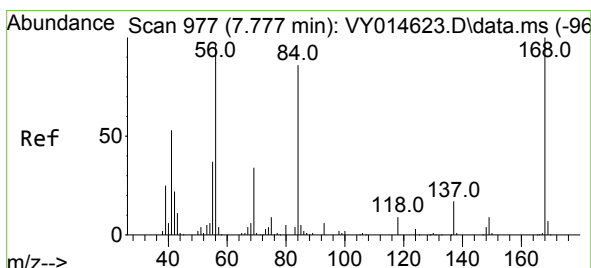
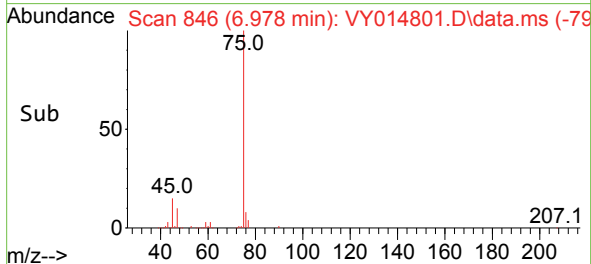
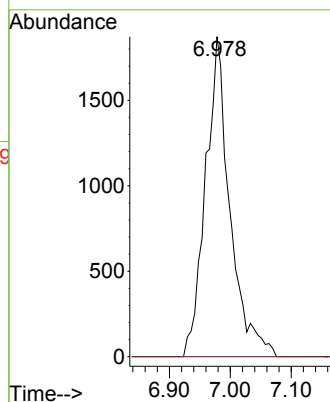
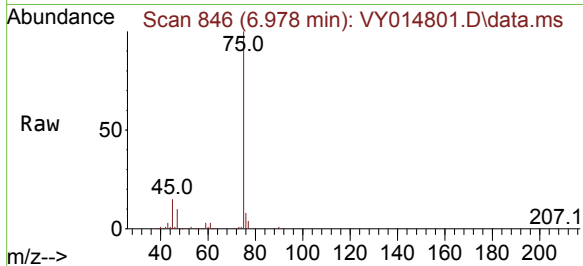




#26
2,2-Dichloropropane
Concen: 1.630 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014801.D
Acq: 25 Jul 2023 14:58

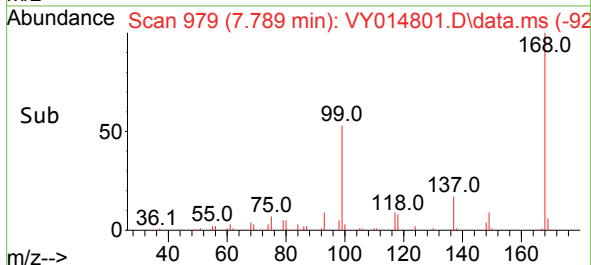
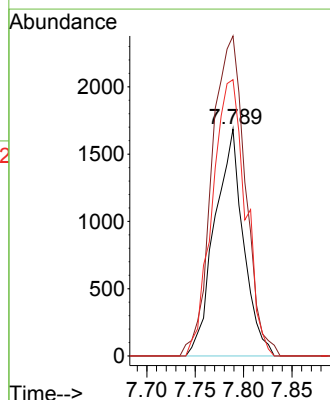
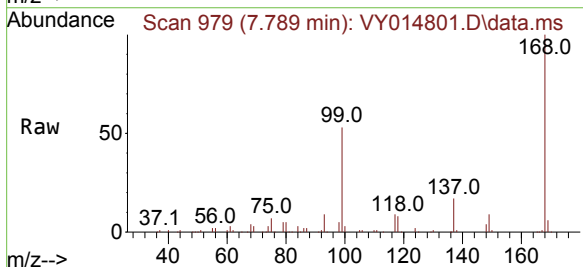
Instrument :
MSVOA_Y
ClientSampleId :
B-P32A

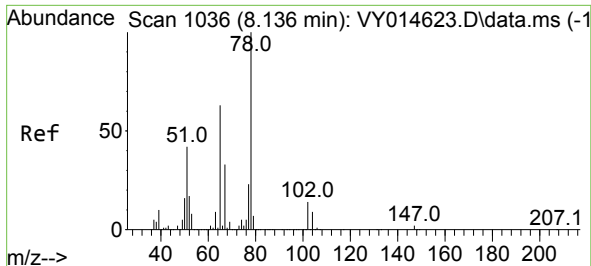
Tgt Ion: 77 Resp: 5213
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.116 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY014801.D
Acq: 25 Jul 2023 14:58

Tgt Ion: 56 Resp: 3482
Ion Ratio Lower Upper
56 100
69 141.0 27.8 41.6#
84 121.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 55.839 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY014801.D

Acq: 25 Jul 2023 14:58

Instrument :

MSVOA_Y

ClientSampleId :

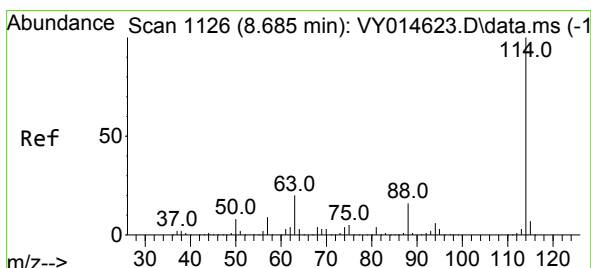
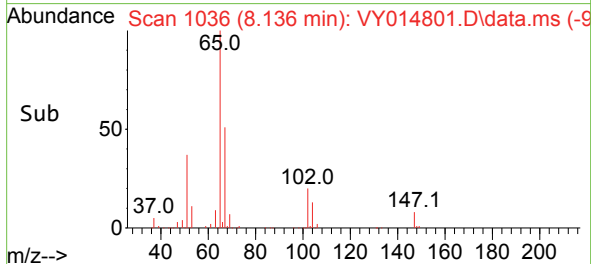
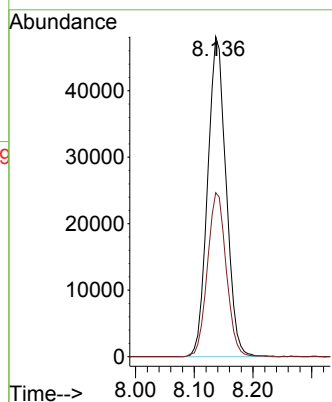
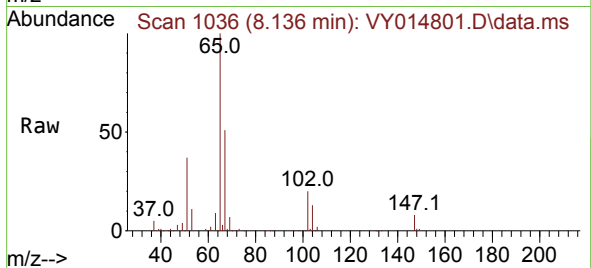
B-P32A

Tgt Ion: 65 Resp: 104951

Ion Ratio Lower Upper

65 100

67 52.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014801.D

Acq: 25 Jul 2023 14:58

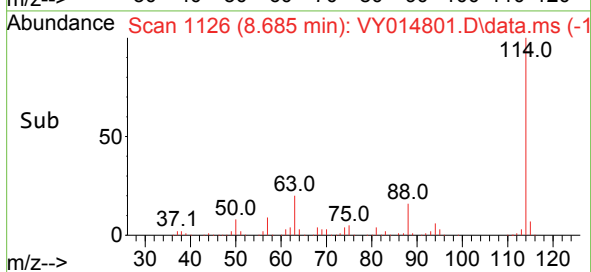
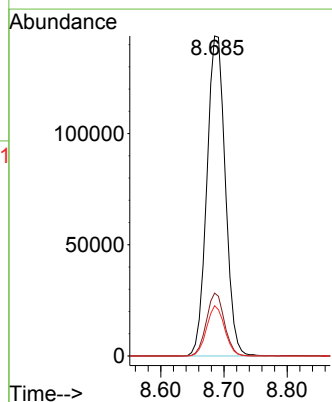
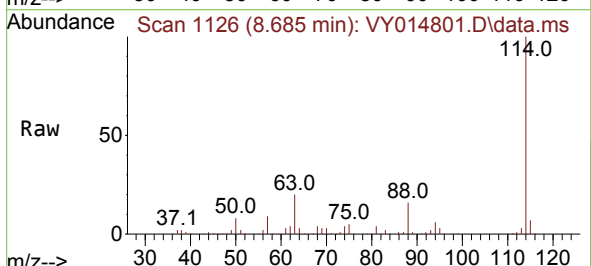
Tgt Ion: 114 Resp: 291952

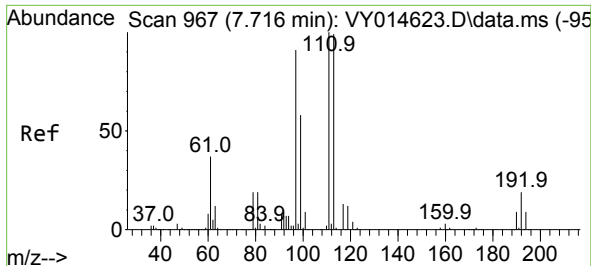
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 15.7 0.0 30.6

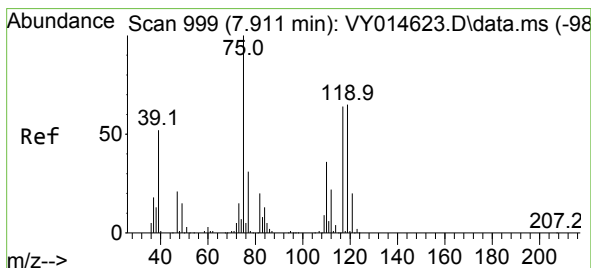
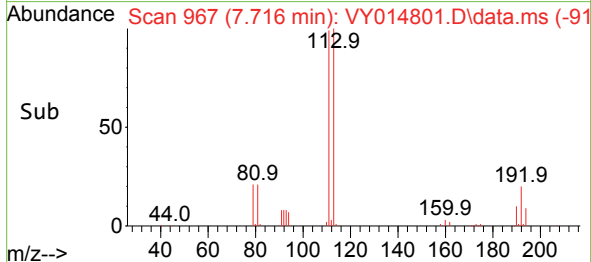
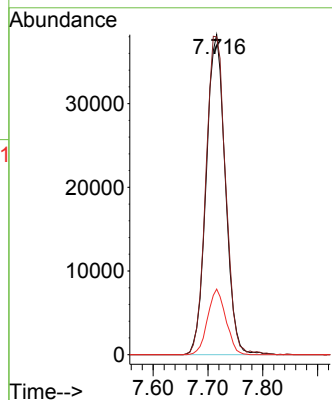
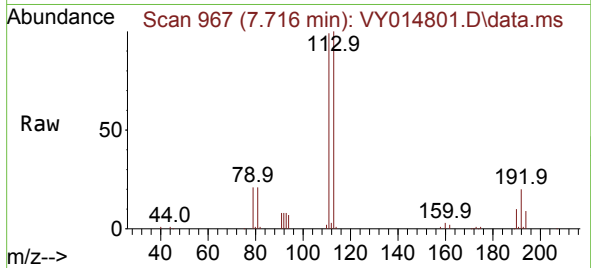




#35
Dibromofluoromethane
Concen: 49.658 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014801.D
Acq: 25 Jul 2023 14:58

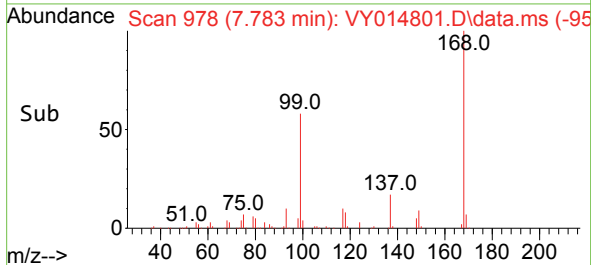
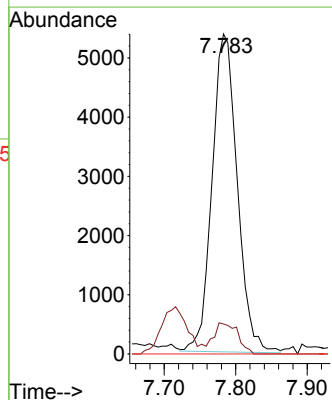
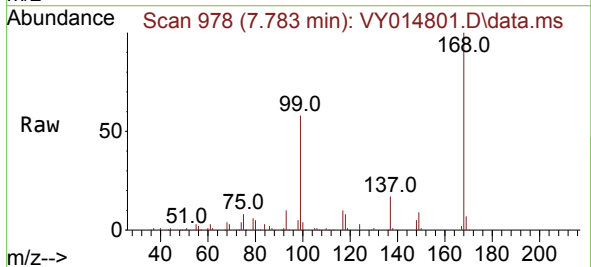
Instrument :
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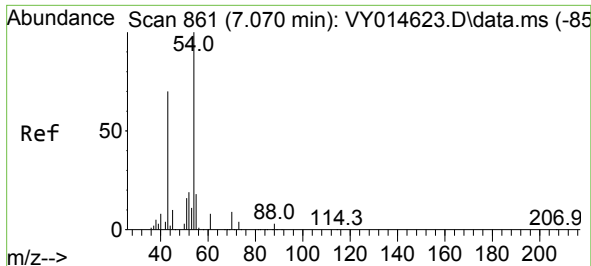
Tgt Ion:113 Resp: 92289
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.726 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014801.D
Acq: 25 Jul 2023 14:58

Tgt Ion: 75 Resp: 13134
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.950 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY014801.D

Acq: 25 Jul 2023 14:58

Instrument :

MSVOA_Y

ClientSampleId :

B-P32A

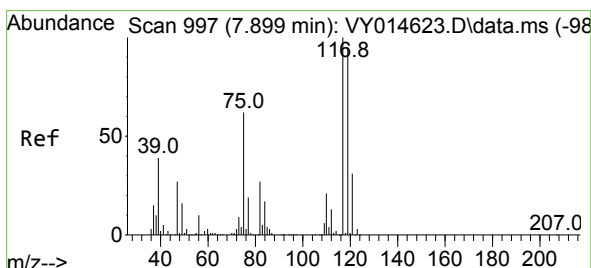
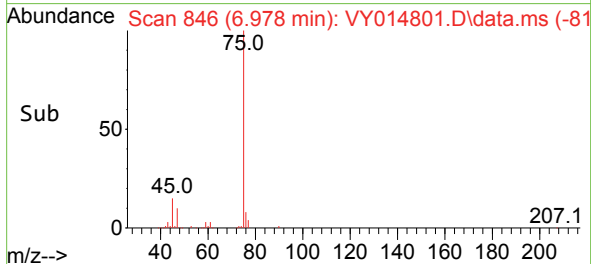
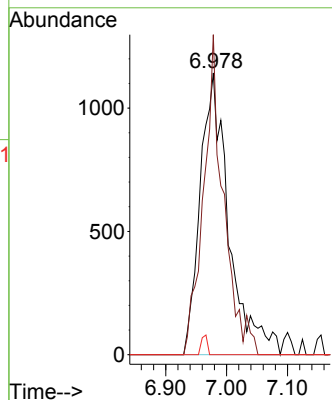
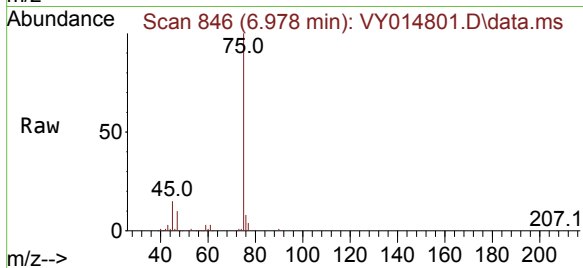
Tgt Ion: 43 Resp: 3732

Ion Ratio Lower Upper

43 100

61 76.8 10.1 15.1#

70 1.5 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.510 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY014801.D

Acq: 25 Jul 2023 14:58

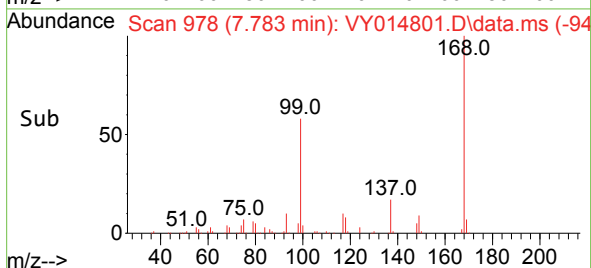
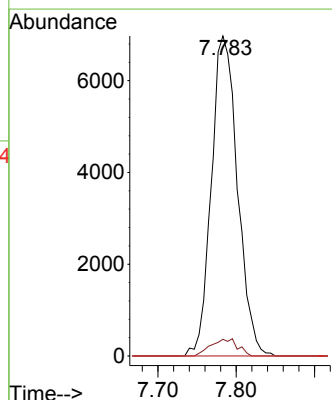
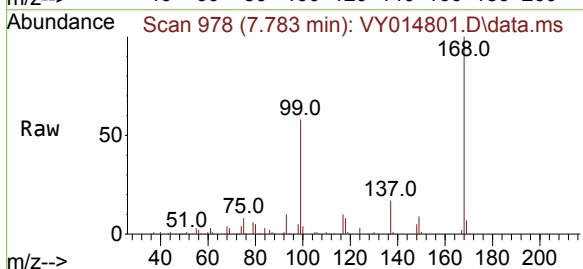
Tgt Ion: 117 Resp: 16189

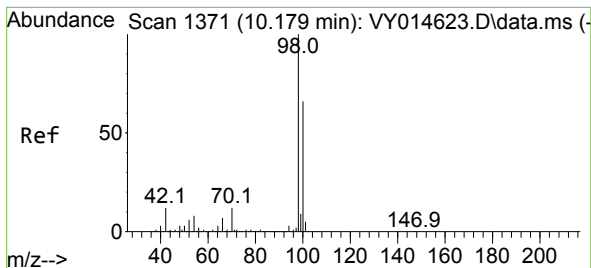
Ion Ratio Lower Upper

117 100

119 5.2 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.564 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014801.D

Acq: 25 Jul 2023 14:58

Instrument :

MSVOA_Y

ClientSampleId :

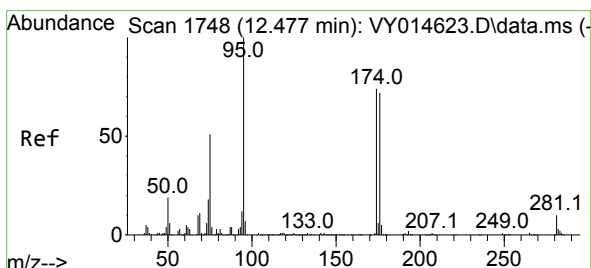
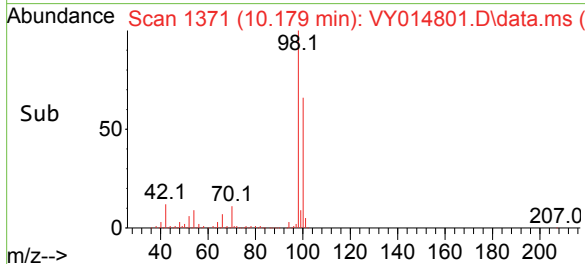
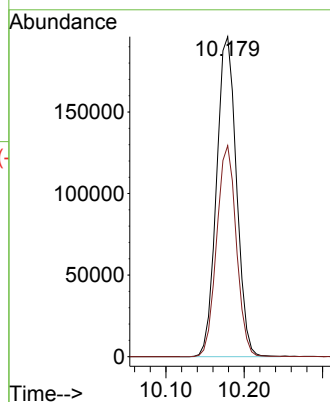
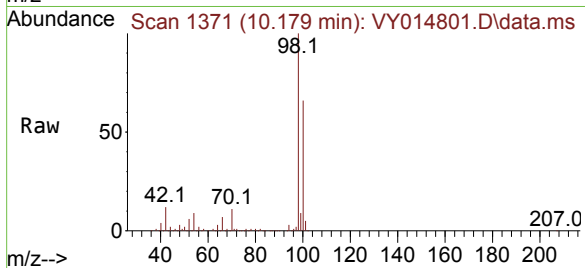
B-P32A

Tgt Ion: 98 Resp: 346459

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 49.221 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014801.D

Acq: 25 Jul 2023 14:58

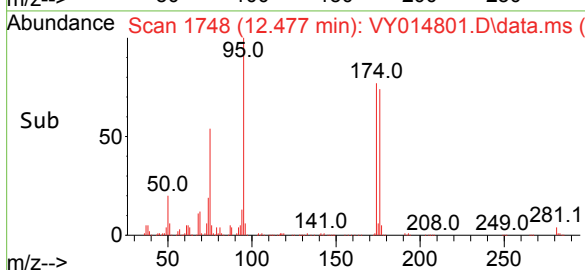
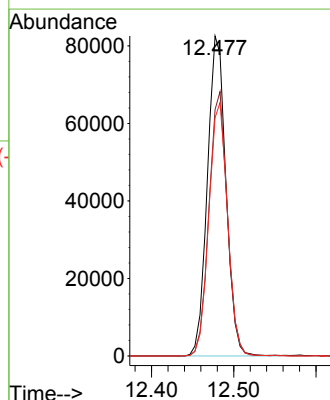
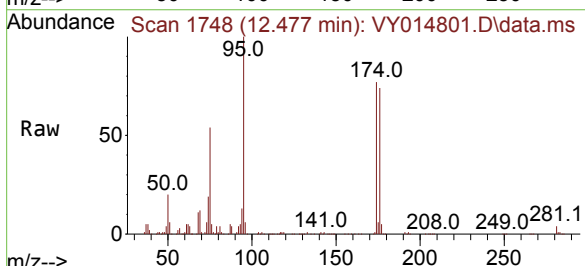
Tgt Ion: 95 Resp: 129316

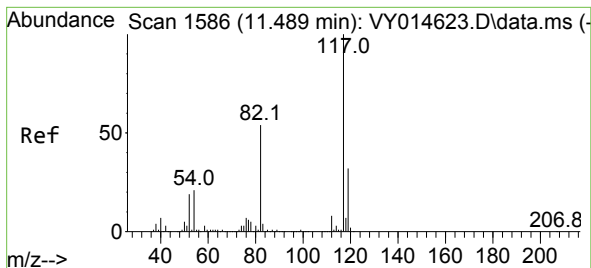
Ion Ratio Lower Upper

95 100

174 81.5 0.0 178.2

176 79.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014801.D

Acq: 25 Jul 2023 14:58

Instrument :

MSVOA_Y

ClientSampleId :

B-P32A

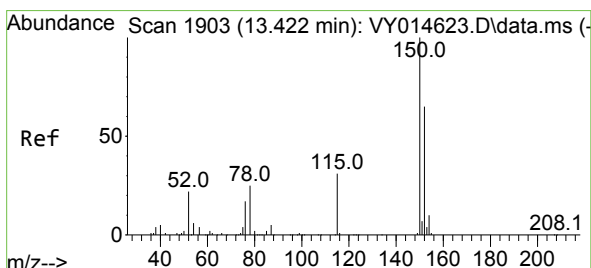
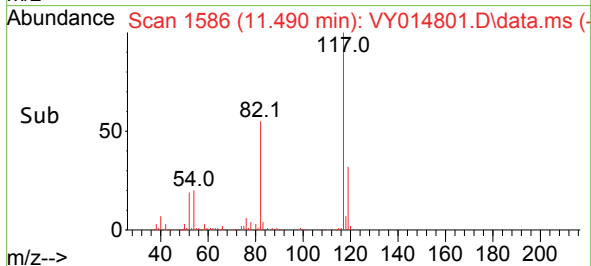
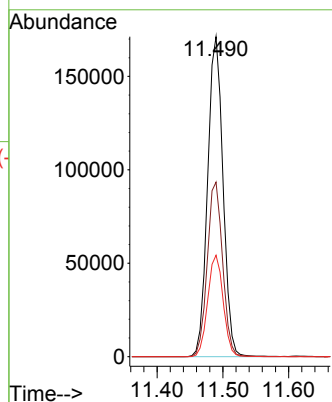
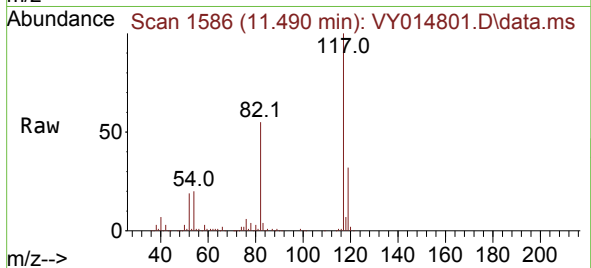
Tgt Ion:117 Resp: 278577

Ion Ratio Lower Upper

117 100

82 54.6 43.4 65.0

119 31.7 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014801.D

Acq: 25 Jul 2023 14:58

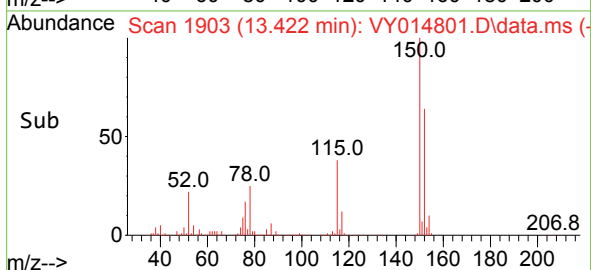
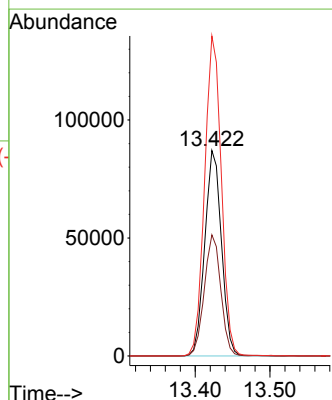
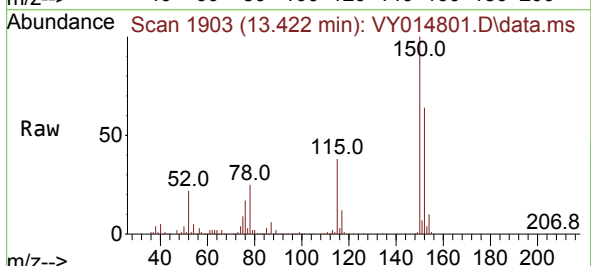
Tgt Ion:152 Resp: 134827

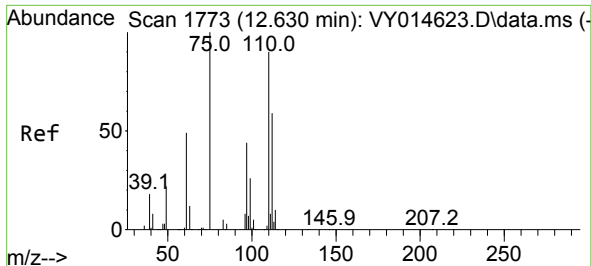
Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 155.8 0.0 348.8

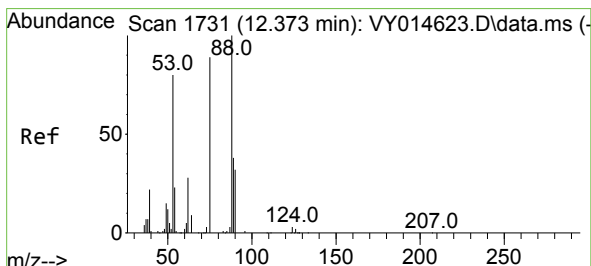
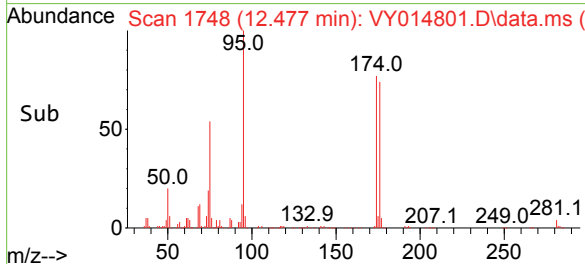
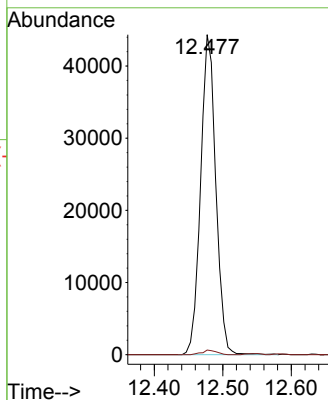
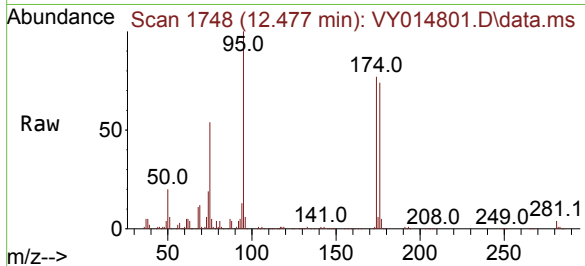




#76
1,2,3-Trichloropropane
Concen: 40.272 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014801.D
Acq: 25 Jul 2023 14:58

Instrument :
MSVOA_Y
ClientSampleId :
B-P32A

Tgt Ion: 75 Resp: 68576
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.973 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014801.D
Acq: 25 Jul 2023 14:58

Tgt Ion: 75 Resp: 68576
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

