

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014753.D
 Acq On : 21 Jul 2023 17:42
 Operator : SY/MD
 Sample : 03706-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P10A

Quant Time: Jul 22 05:40:00 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)

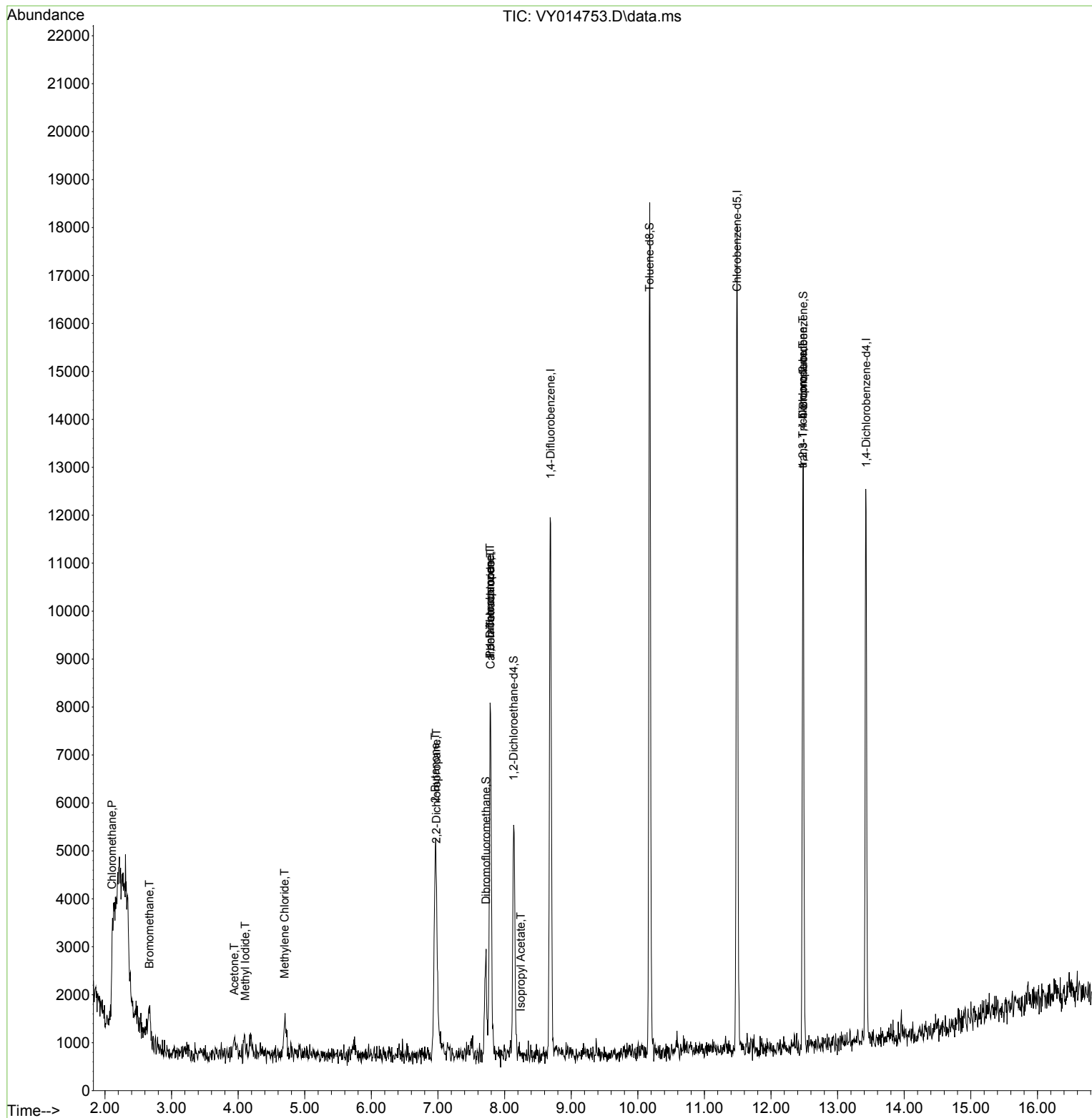
Internal Standards						
1) Pentafluorobenzene	7.783	168	6011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	10431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	9365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	3894	56.849	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.700%	
35) Dibromofluoromethane	7.722	113	1671	25.165	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 50.340%#	
50) Toluene-d8	10.179	98	11758	48.030	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.060%	
62) 4-Bromofluorobenzene	12.483	95	3896	41.505	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.000%	
Target Compounds						
						Qvalue
3) Chloromethane	2.107	50	574	10.427	ug/l #	83
5) Bromomethane	2.668	94	458	11.265	ug/l #	70
10) Methyl Iodide	4.107	142	569	10.443	ug/l #	68
16) Acetone	3.942	43	892	41.094	ug/l #	57
20) Methylene Chloride	4.698	84	658	5.580	ug/l #	75
25) 2-Butanone	6.960	43	248	7.810	ug/l #	49
26) 2,2-Dichloropropane	6.978	77	279	2.394	ug/l #	54
36) 1,1-Dichloropropene	7.783	75	482	4.854	ug/l #	41
38) Carbon Tetrachloride	7.789	117	578	5.506	ug/l #	12
43) Isopropyl Acetate	8.246	43	156	1.198	ug/l #	55
76) 1,2,3-Trichloropropane	12.477	75	1809	44.760	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	1809	86.664	ug/l #	10

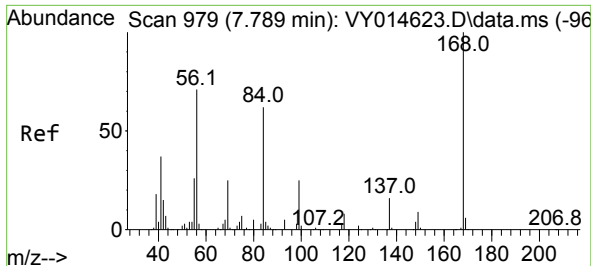
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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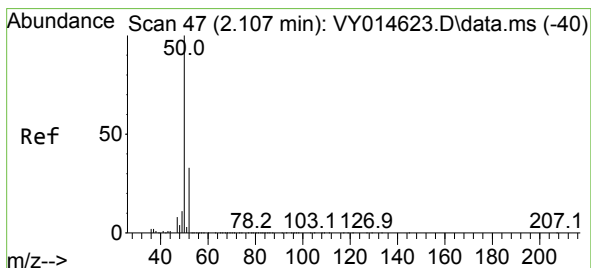
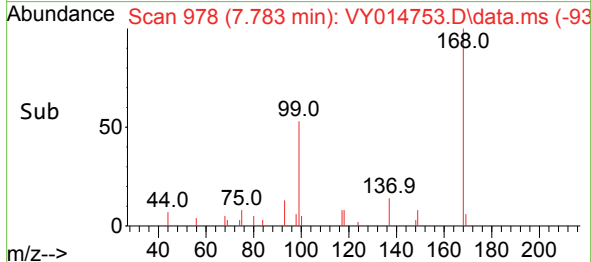
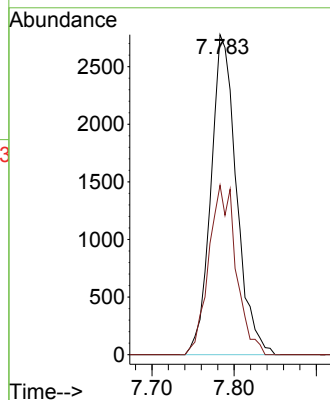
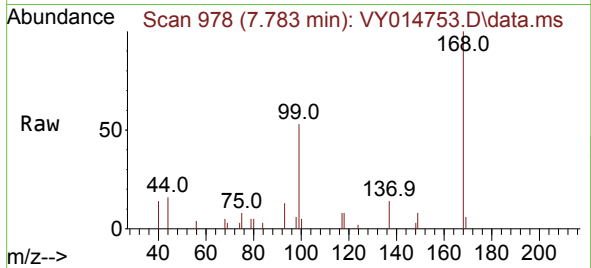




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014753.D
Acq: 21 Jul 2023 17:42

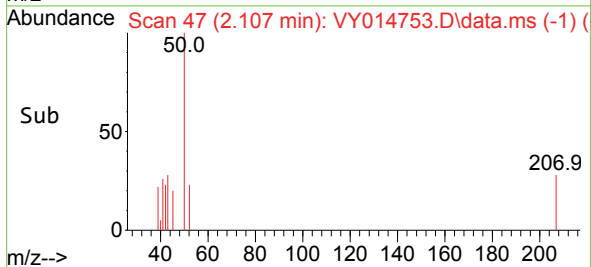
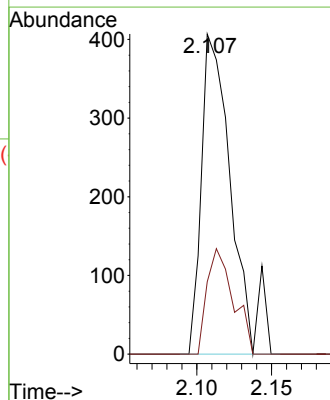
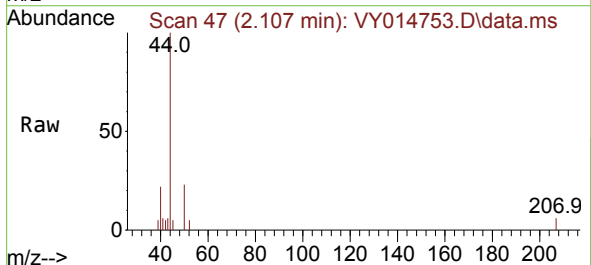
Instrument :
MSVOA_Y
ClientSampleId :
B-P10A

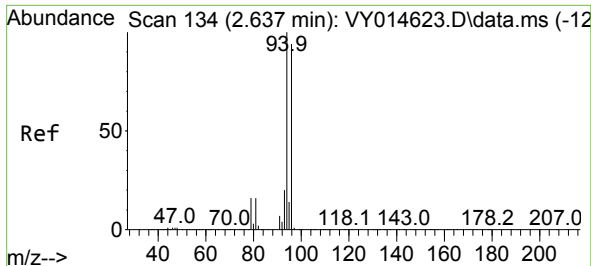
Tgt Ion:168 Resp: 6011
Ion Ratio Lower Upper
168 100
99 53.0 43.4 65.0



#3
Chloromethane
Concen: 10.427 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY014753.D
Acq: 21 Jul 2023 17:42

Tgt Ion: 50 Resp: 574
Ion Ratio Lower Upper
50 100
52 22.6 25.4 38.2#

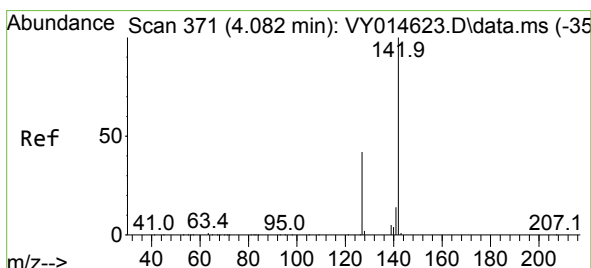
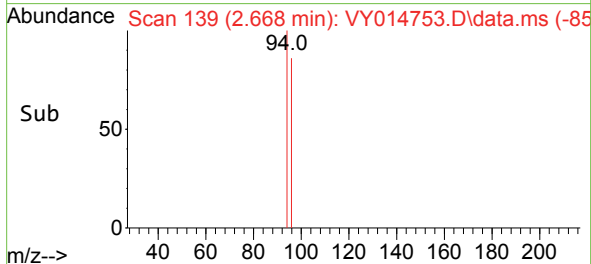
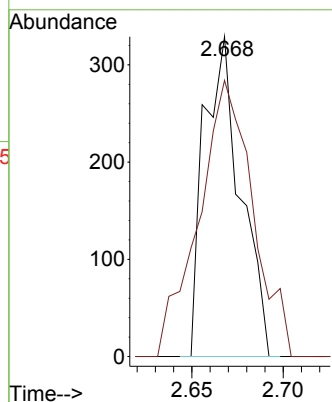
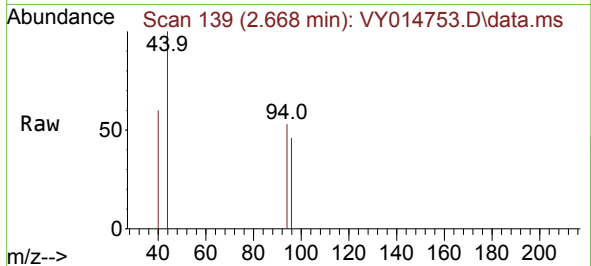




#5
Bromomethane
Concen: 11.265 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.031 min
Lab File: VY014753.D
Acq: 21 Jul 2023 17:42

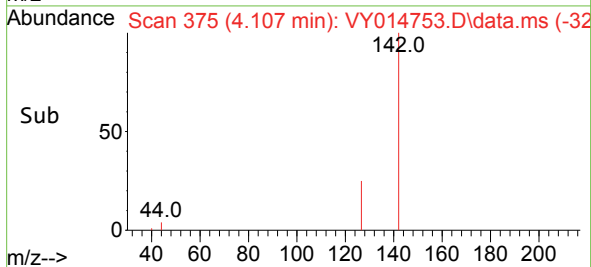
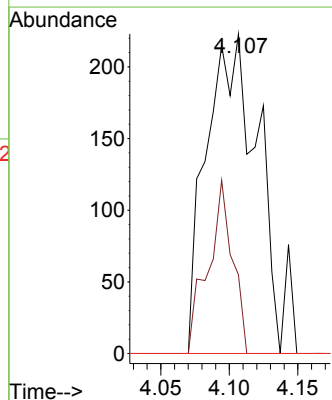
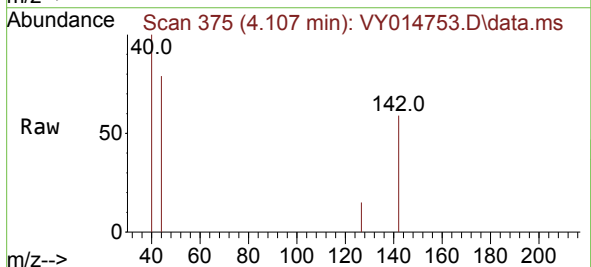
Instrument :
MSVOA_Y
ClientSampleId :
B-P10A

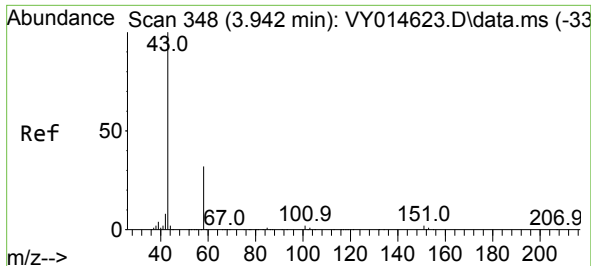
Tgt Ion: 94 Resp: 458
Ion Ratio Lower Upper
94 100
96 66.0 75.8 113.6#



#10
Methyl Iodide
Concen: 10.443 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.025 min
Lab File: VY014753.D
Acq: 21 Jul 2023 17:42

Tgt Ion:142 Resp: 569
Ion Ratio Lower Upper
142 100
127 26.5 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 41.094 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY014753.D

Acq: 21 Jul 2023 17:42

Instrument :

MSVOA_Y

ClientSampleId :

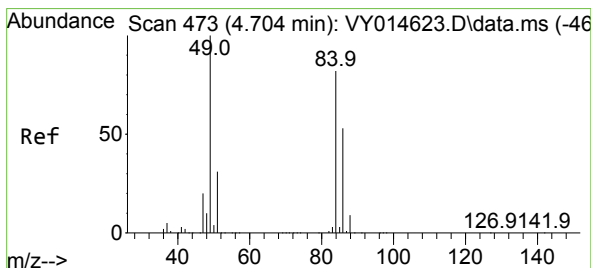
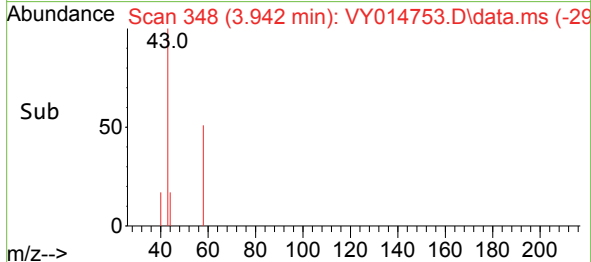
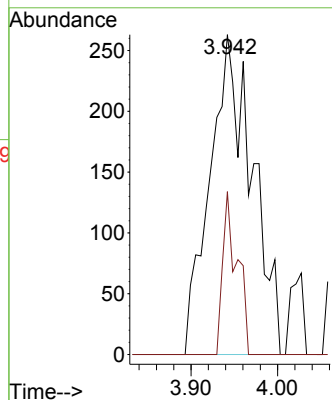
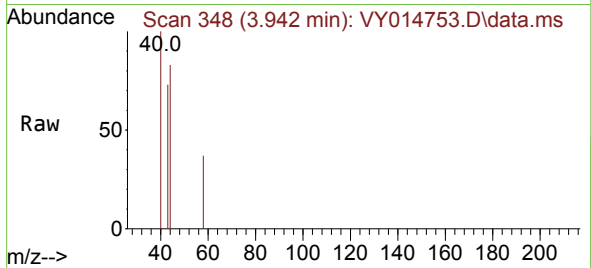
B-P10A

Tgt Ion: 43 Resp: 892

Ion Ratio Lower Upper

43 100

58 51.0 22.7 34.1#



#20

Methylene Chloride

Concen: 5.580 ug/l

RT: 4.698 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY014753.D

Acq: 21 Jul 2023 17:42

Tgt Ion: 84 Resp: 658

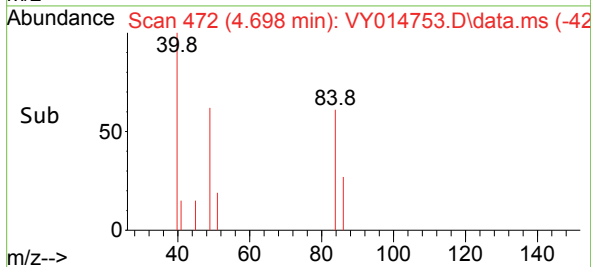
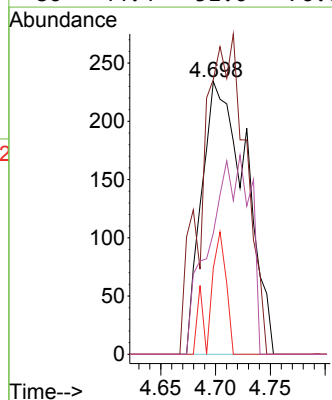
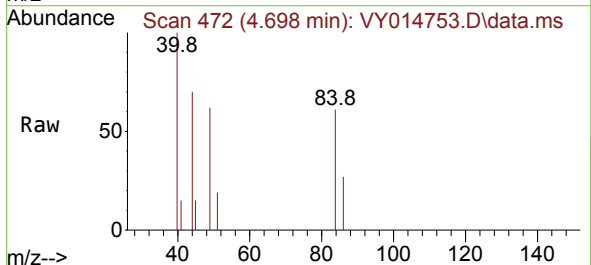
Ion Ratio Lower Upper

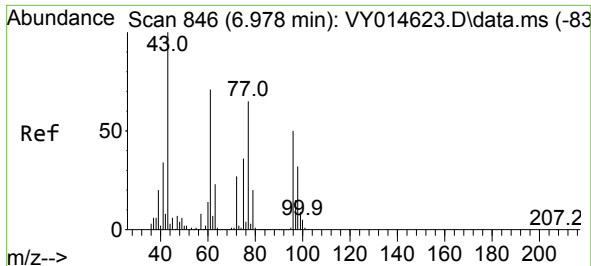
84 100

49 100.9 106.9 160.3#

51 31.6 33.2 49.8#

86 44.4 51.0 76.6#

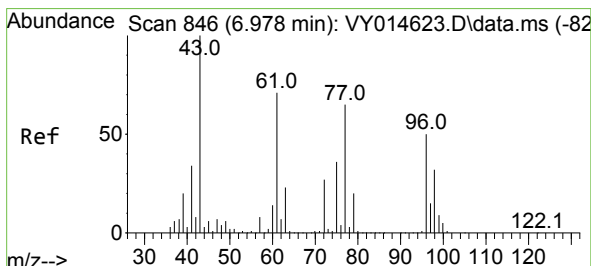
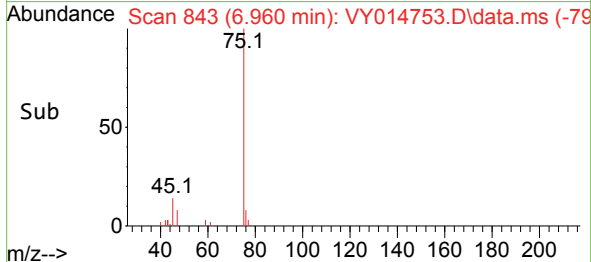
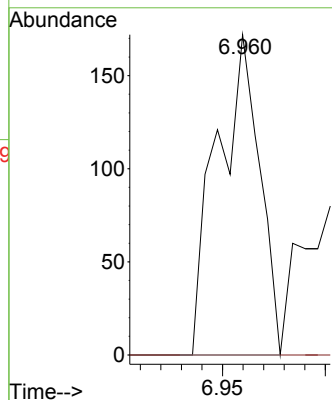
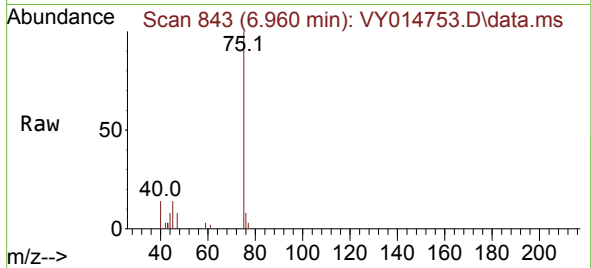




#25
2-Butanone
Concen: 7.810 ug/l
RT: 6.960 min Scan# 846
Delta R.T. -0.018 min
Lab File: VY014753.D
Acq: 21 Jul 2023 17:42

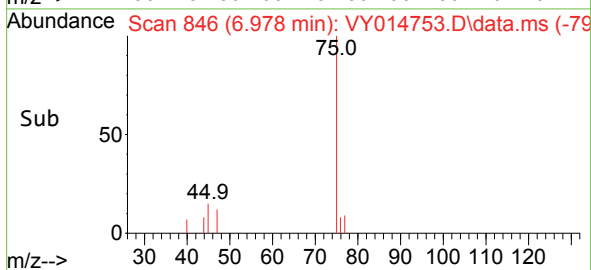
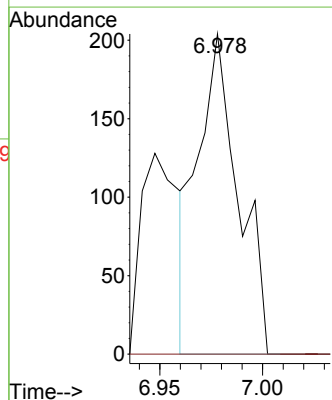
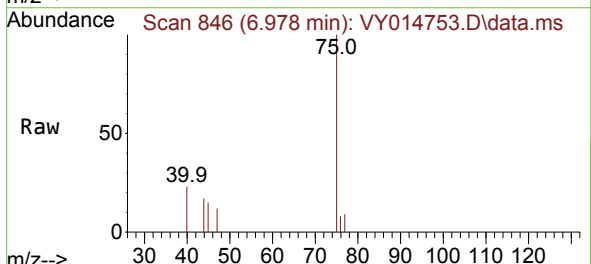
Instrument :
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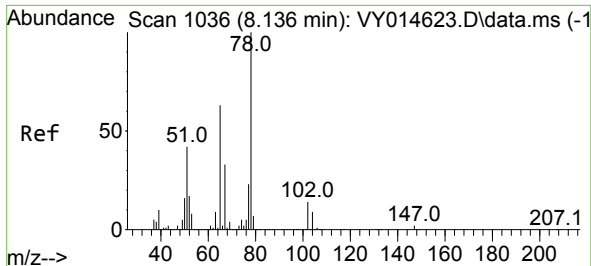
Tgt Ion: 43 Resp: 248
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.394 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014753.D
Acq: 21 Jul 2023 17:42

Tgt Ion: 77 Resp: 279
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

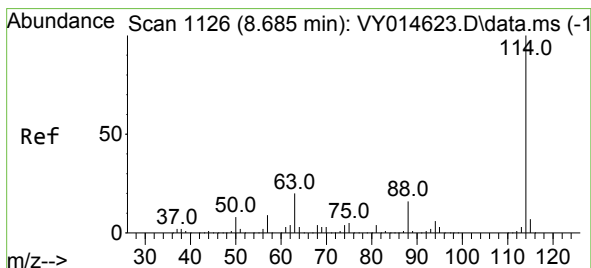
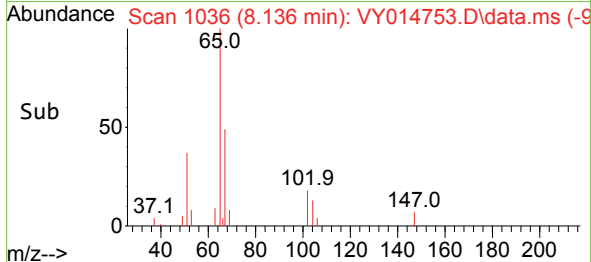
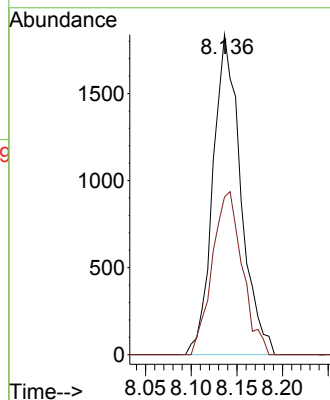
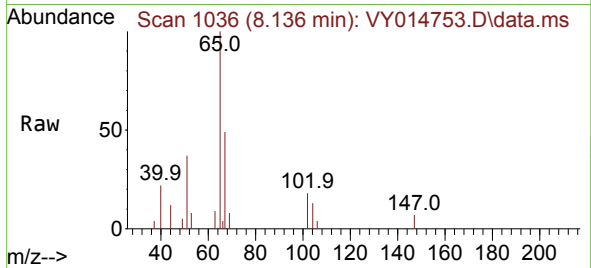




#33
 1,2-Dichloroethane-d4
 Concen: 56.849 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014753.D
 Acq: 21 Jul 2023 17:42

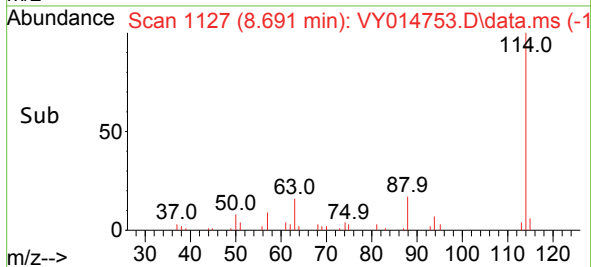
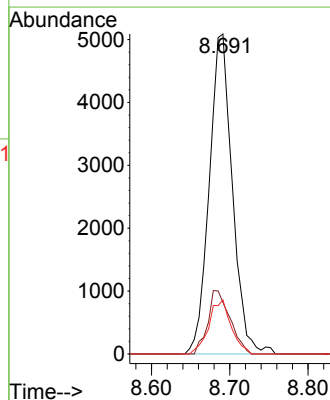
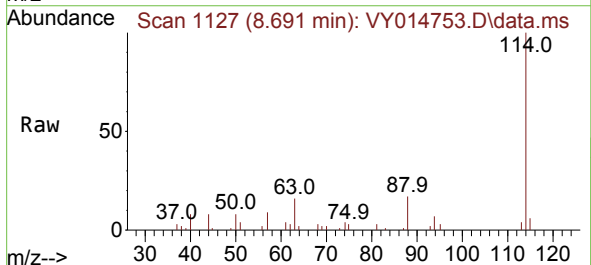
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P10A

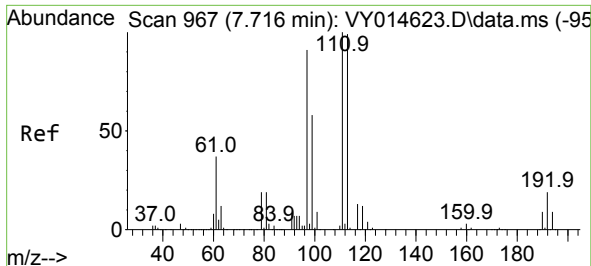
Tgt Ion: 65 Resp: 3894
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY014753.D
 Acq: 21 Jul 2023 17:42

Tgt Ion: 114 Resp: 10431
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 42.4
 88 16.9 0.0 30.6

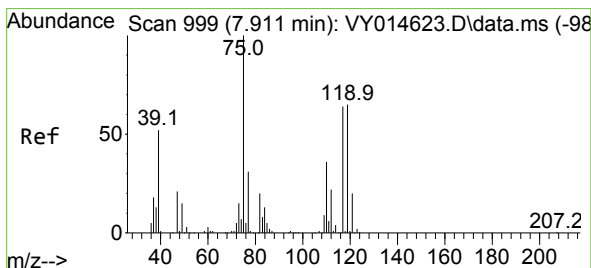
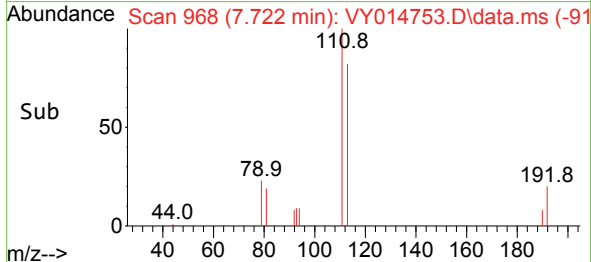
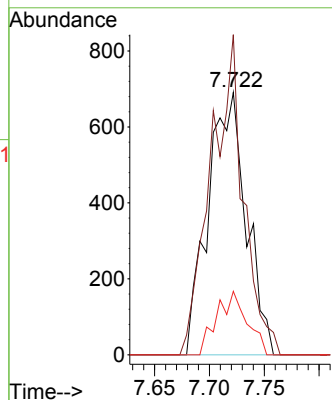
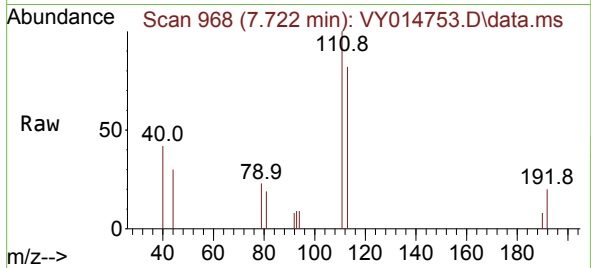




#35
Dibromofluoromethane
Concen: 25.165 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY014753.D
Acq: 21 Jul 2023 17:42

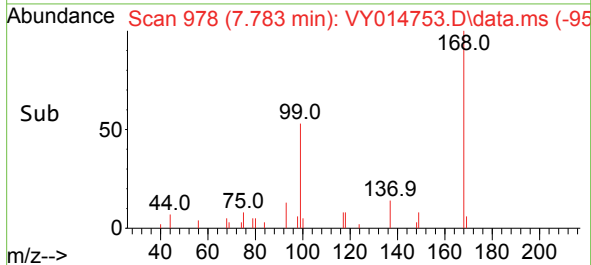
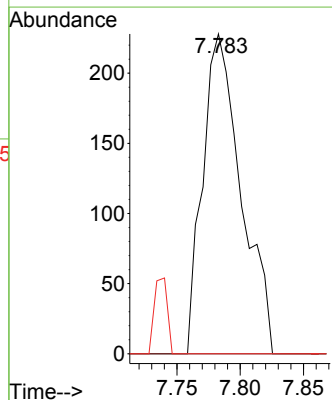
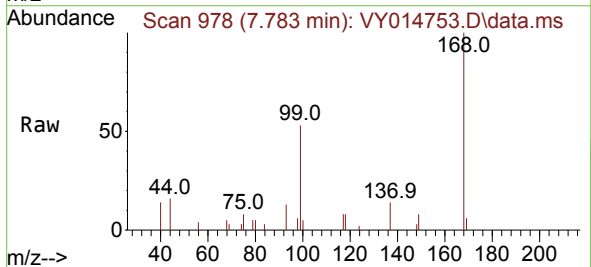
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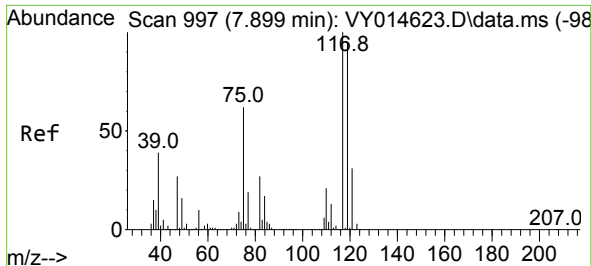
Tgt Ion:113 Resp: 1671
Ion Ratio Lower Upper
113 100
111 104.7 81.3 121.9
192 19.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.854 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014753.D
Acq: 21 Jul 2023 17:42

Tgt Ion: 75 Resp: 482
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#

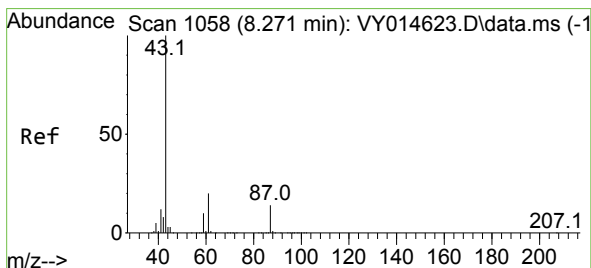
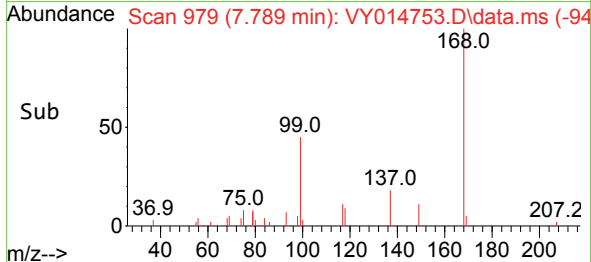
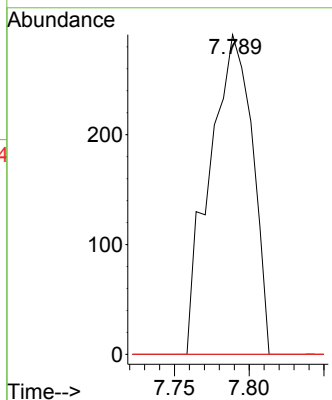
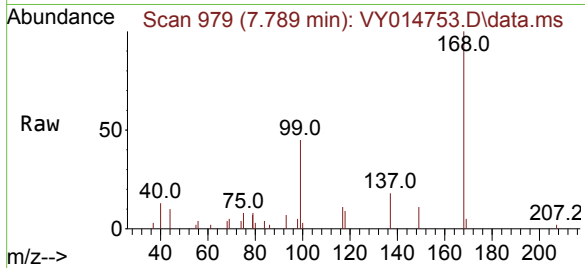




#38
Carbon Tetrachloride
Concen: 5.506 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014753.D
Acq: 21 Jul 2023 17:42

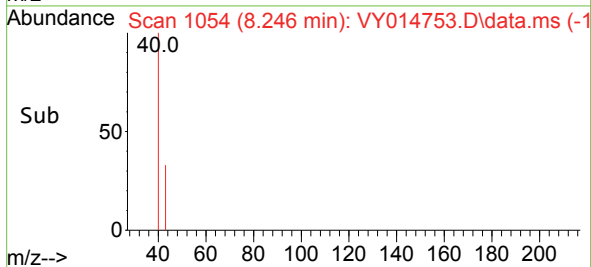
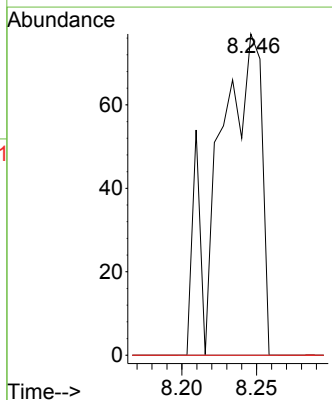
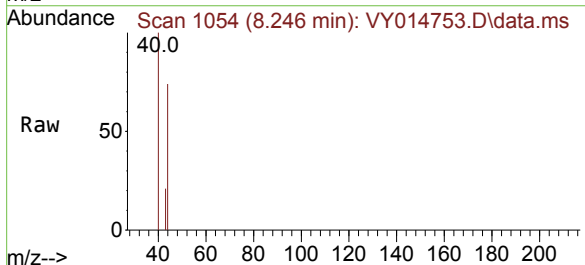
Instrument :
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B-P10A

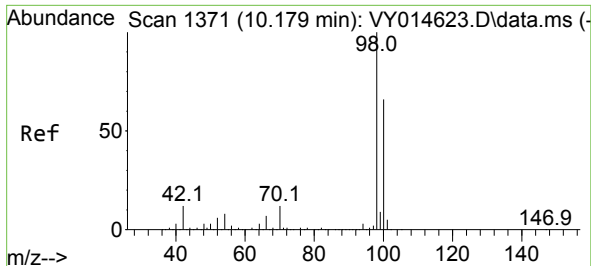
Tgt Ion:117 Resp: 578
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 1.198 ug/l
RT: 8.246 min Scan# 1054
Delta R.T. -0.025 min
Lab File: VY014753.D
Acq: 21 Jul 2023 17:42

Tgt Ion: 43 Resp: 156
Ion Ratio Lower Upper
43 100
61 0.0 21.1 31.7#
87 0.0 9.8 14.8#

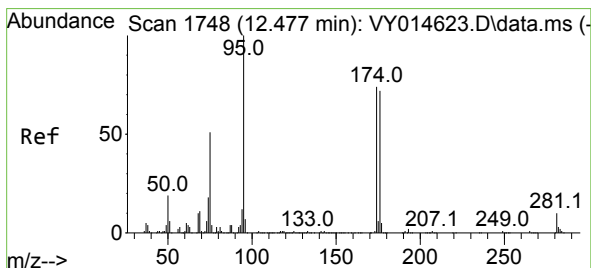
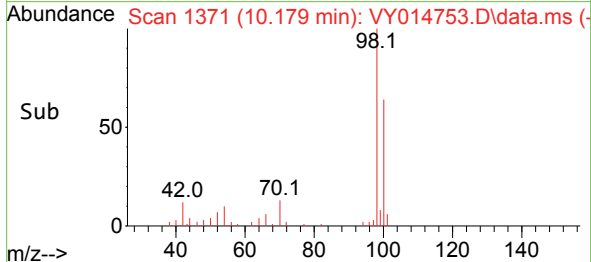
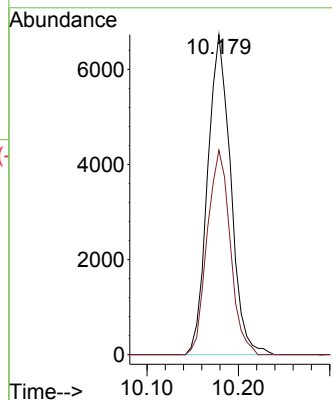
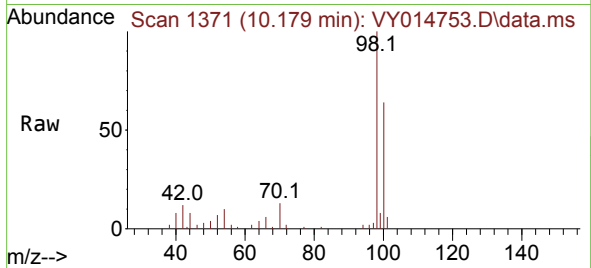




#50
Toluene-d8
Concen: 48.030 ug/l
RT: 10.179 min Scan# 11758
Delta R.T. -0.000 min
Lab File: VY014753.D
Acq: 21 Jul 2023 17:42

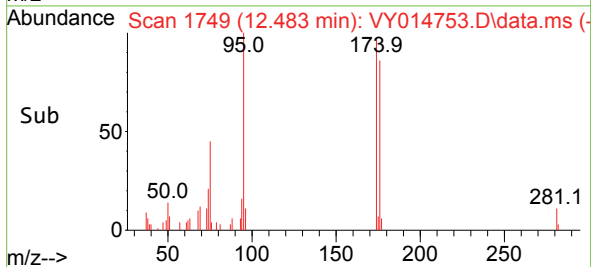
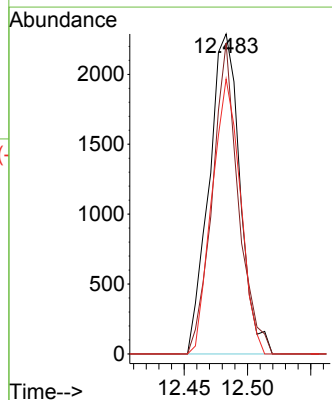
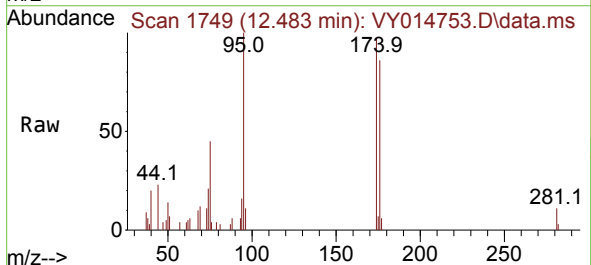
Instrument :
MSVOA_Y
ClientSampleId :
B-P10A

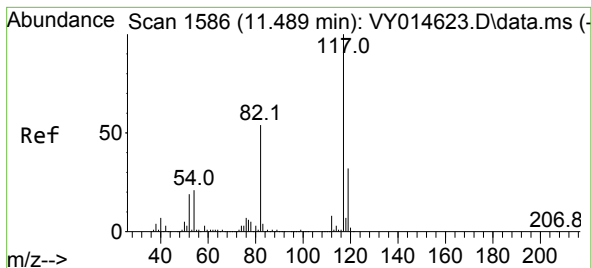
Tgt Ion: 98 Resp: 11758
Ion Ratio Lower Upper
98 100
100 64.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 41.505 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014753.D
Acq: 21 Jul 2023 17:42

Tgt Ion: 95 Resp: 3896
Ion Ratio Lower Upper
95 100
174 81.9 0.0 178.2
176 78.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014753.D

Acq: 21 Jul 2023 17:42

Instrument :

MSVOA_Y

ClientSampleId :

B-P10A

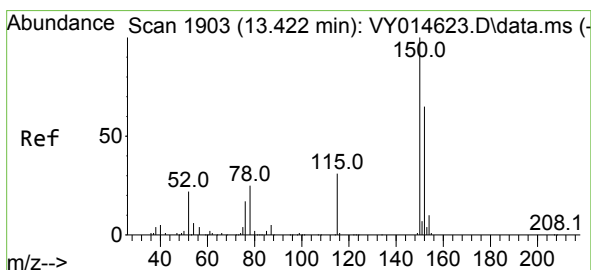
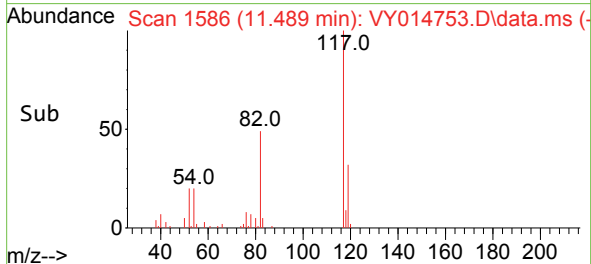
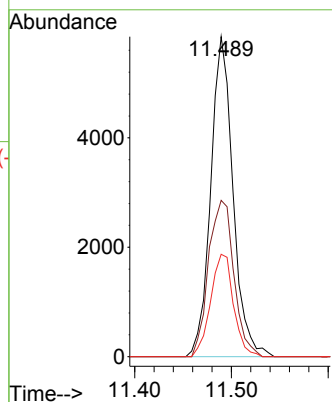
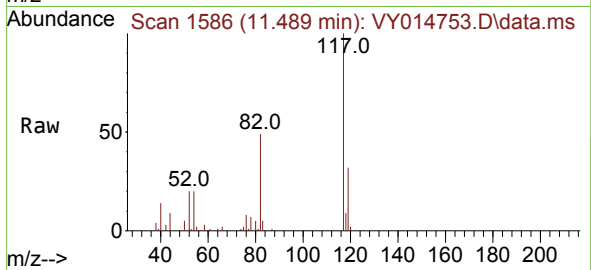
Tgt Ion:117 Resp: 9365

Ion Ratio Lower Upper

117 100

82 48.9 43.4 65.0

119 32.0 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: VY014753.D

Acq: 21 Jul 2023 17:42

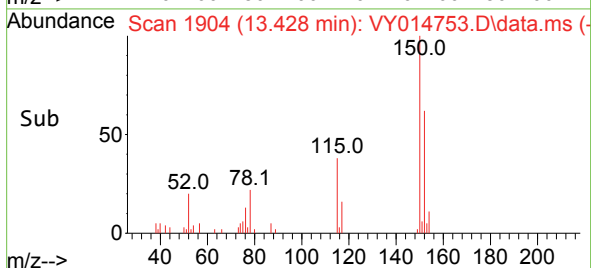
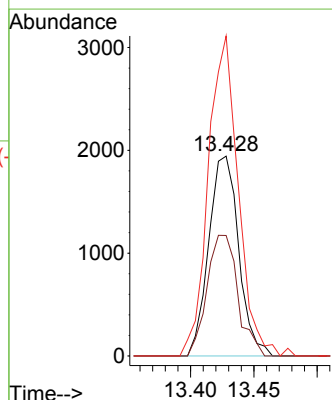
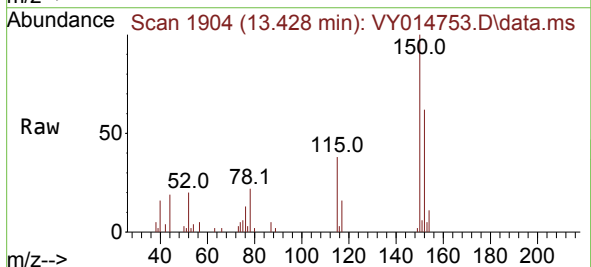
Tgt Ion:152 Resp: 3200

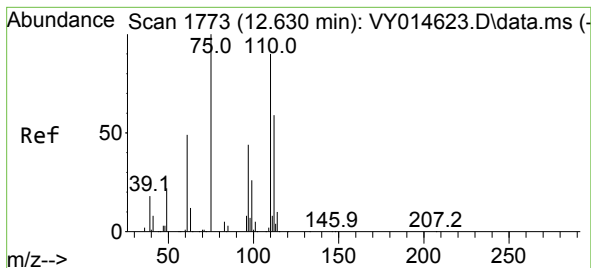
Ion Ratio Lower Upper

152 100

115 61.9 28.8 86.5

150 160.5 0.0 348.8

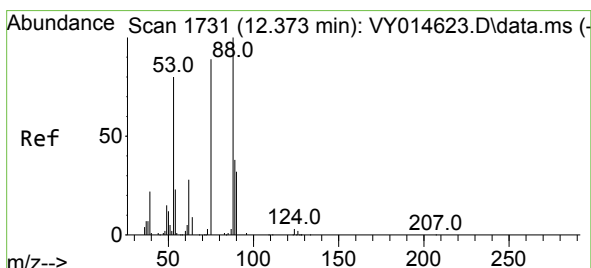
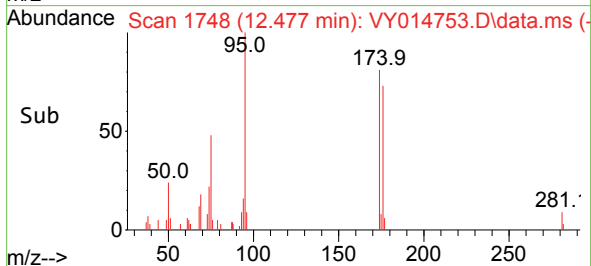
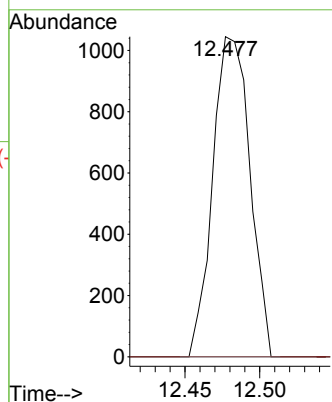
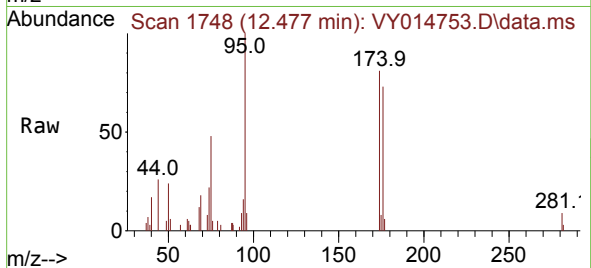




#76
1,2,3-Trichloropropane
Concen: 44.760 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014753.D
Acq: 21 Jul 2023 17:42

Instrument :
MSVOA_Y
ClientSampleId :
B-P10A

Tgt Ion: 75 Resp: 1809
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 86.664 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014753.D
Acq: 21 Jul 2023 17:42

Tgt Ion: 75 Resp: 1809
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

