

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014821.D
 Acq On : 25 Jul 2023 23:38
 Operator : SY/MD
 Sample : 03741-02
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P12A

Quant Time: Jul 26 03:33:42 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)

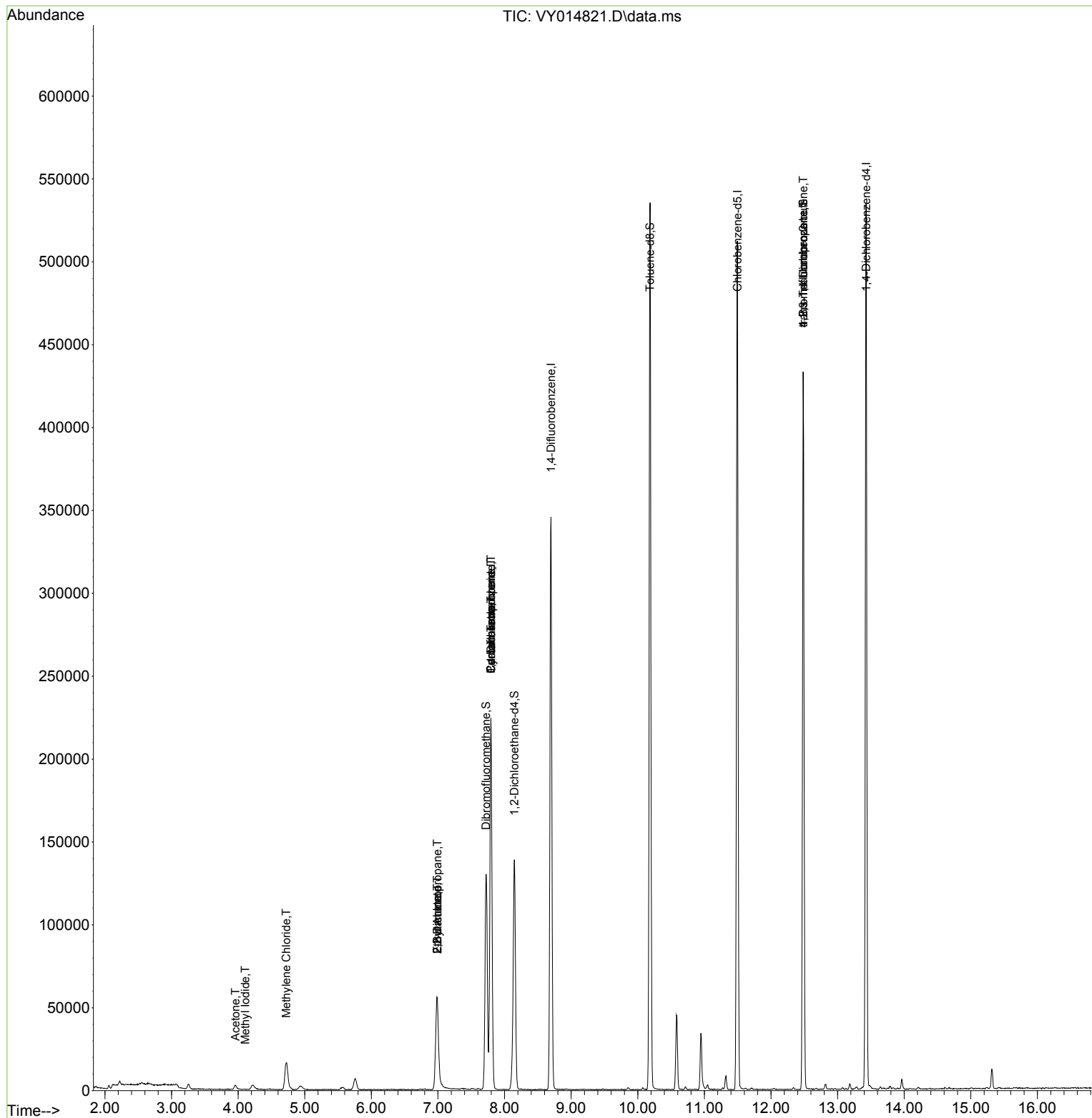
Internal Standards						
1) Pentafluorobenzene	7.795	168	169561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	299734	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	283262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	105042	54.364	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.720%	
35) Dibromofluoromethane	7.722	113	94506	49.531	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.060%	
50) Toluene-d8	10.185	98	359499	51.105	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.220%	
62) 4-Bromofluorobenzene	12.483	95	129231	47.911	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.820%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	270	2.505	ug/l #	46
11) Tert butyl alcohol	4.948	59	2812	Below Cal	#	93
16) Acetone	3.960	43	4689	7.658	ug/l	90
20) Methylene Chloride	4.723	84	13083	2.572	ug/l	84
25) 2-Butanone	6.990	43	3143	3.509	ug/l #	72
26) 2,2-Dichloropropane	6.990	77	4275	1.301	ug/l #	54
31) Cyclohexane	7.795	56	3536	1.102	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	13578	4.759	ug/l #	51
37) Ethyl Acetate	6.990	43	3143	1.600	ug/l #	1
38) Carbon Tetrachloride	7.795	117	17334	5.747	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	69158	41.243	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	69158	79.854	ug/l #	11

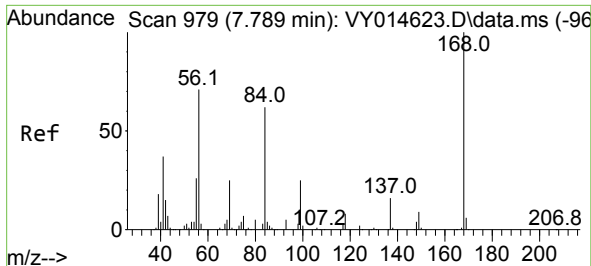
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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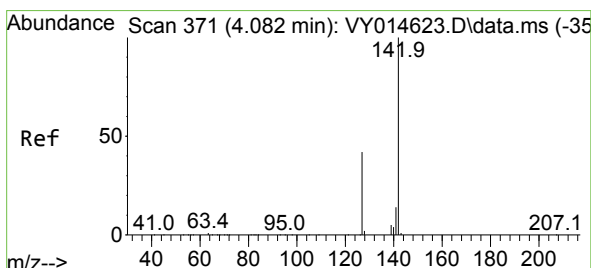
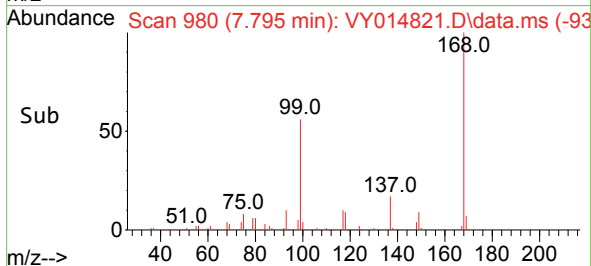
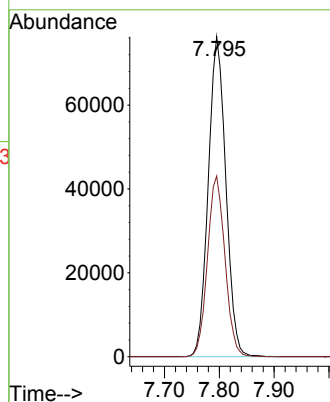
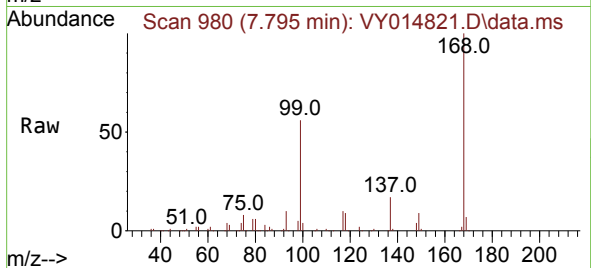




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014821.D
Acq: 25 Jul 2023 23:38

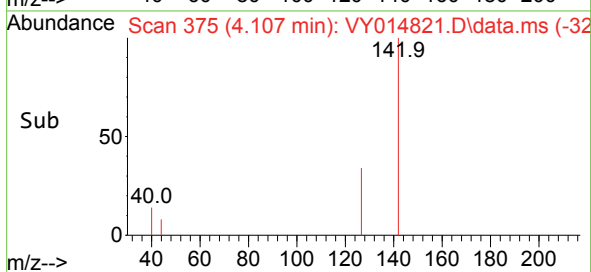
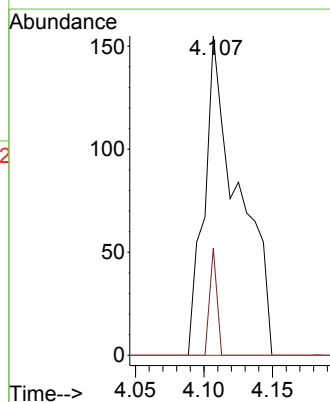
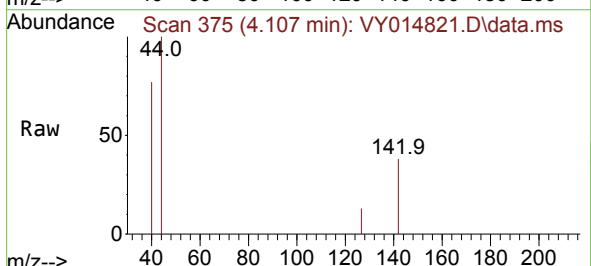
Instrument :
MSVOA_Y
ClientSampleId :
B-P12A

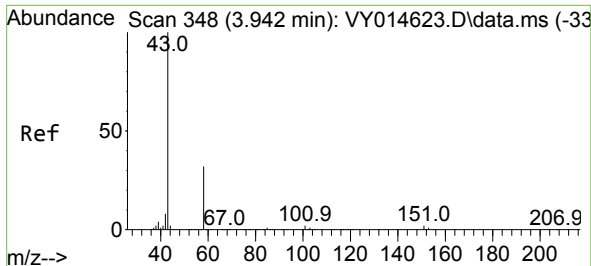
Tgt Ion:168 Resp: 169561
Ion Ratio Lower Upper
168 100
99 56.4 43.4 65.0



#10
Methyl Iodide
Concen: 2.505 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.025 min
Lab File: VY014821.D
Acq: 25 Jul 2023 23:38

Tgt Ion:142 Resp: 270
Ion Ratio Lower Upper
142 100
127 7.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 7.658 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.018 min

Lab File: VY014821.D

Acq: 25 Jul 2023 23:38

Instrument :

MSVOA_Y

ClientSampleId :

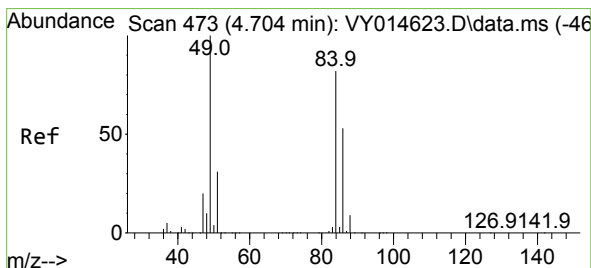
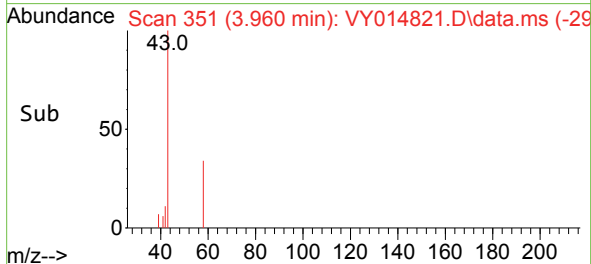
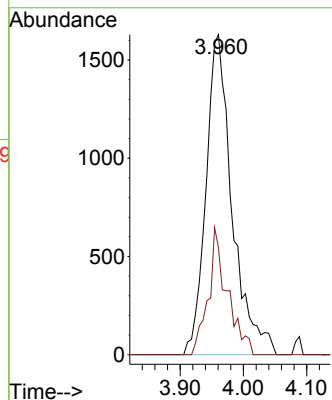
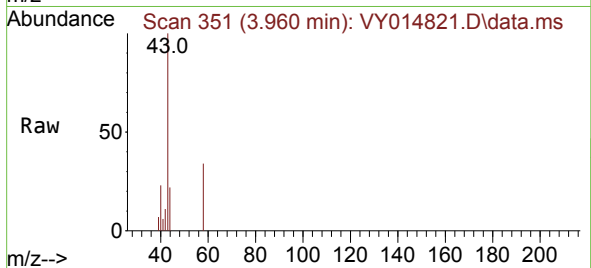
B-P12A

Tgt Ion: 43 Resp: 4689

Ion Ratio Lower Upper

43 100

58 33.5 22.7 34.1



#20

Methylene Chloride

Concen: 2.572 ug/l

RT: 4.723 min Scan# 476

Delta R.T. 0.019 min

Lab File: VY014821.D

Acq: 25 Jul 2023 23:38

Tgt Ion: 84 Resp: 13083

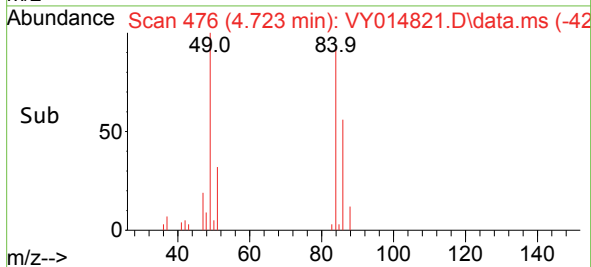
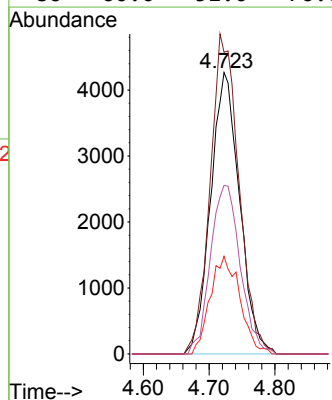
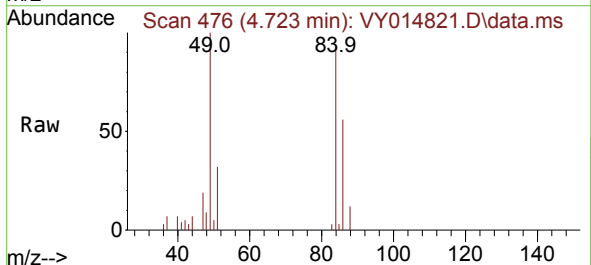
Ion Ratio Lower Upper

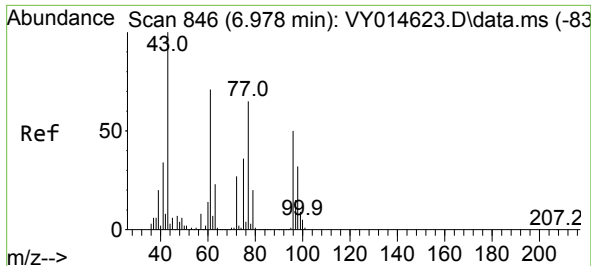
84 100

49 107.2 106.9 160.3

51 34.7 33.2 49.8

86 60.0 51.0 76.6

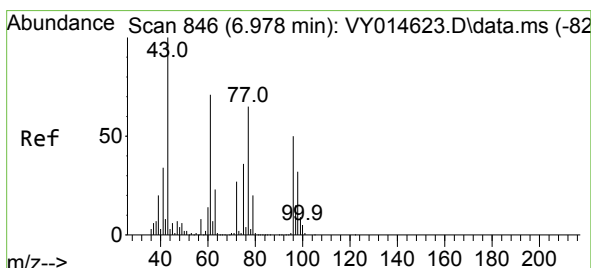
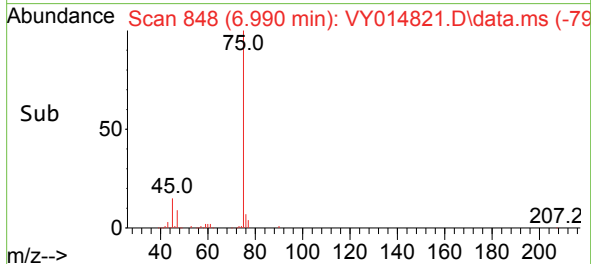
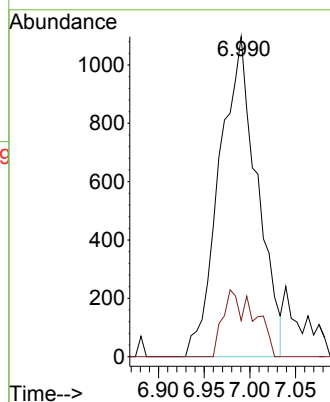
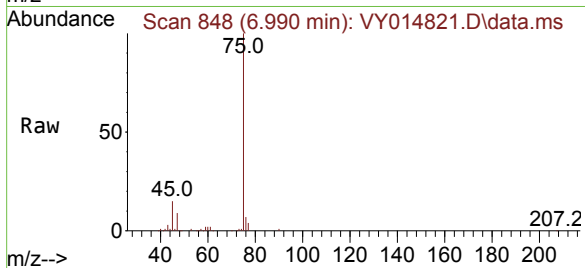




#25
2-Butanone
Concen: 3.509 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY014821.D
Acq: 25 Jul 2023 23:38

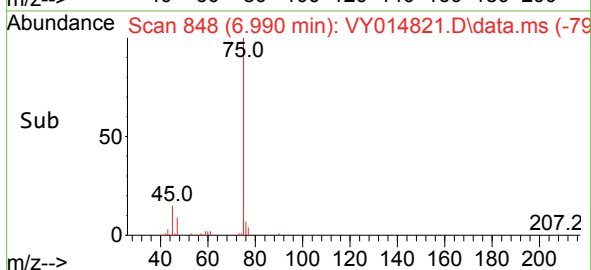
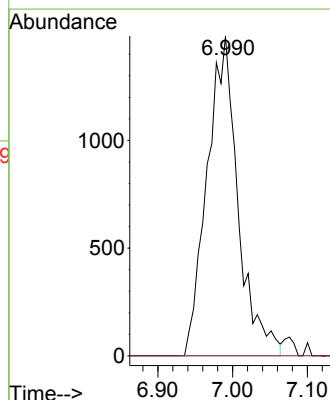
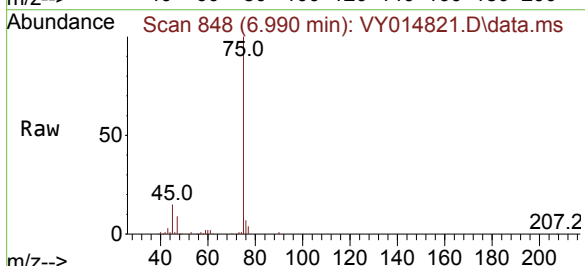
Instrument :
MSVOA_Y
ClientSampleId :
B-P12A

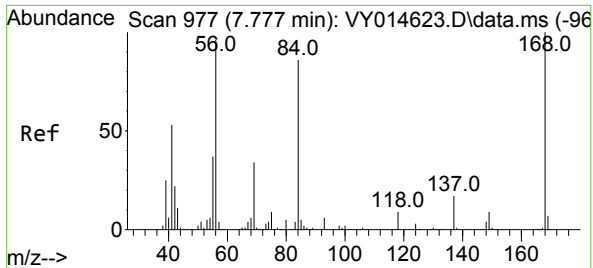
Tgt Ion: 43 Resp: 3143
Ion Ratio Lower Upper
43 100
72 11.3 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.301 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY014821.D
Acq: 25 Jul 2023 23:38

Tgt Ion: 77 Resp: 4275
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

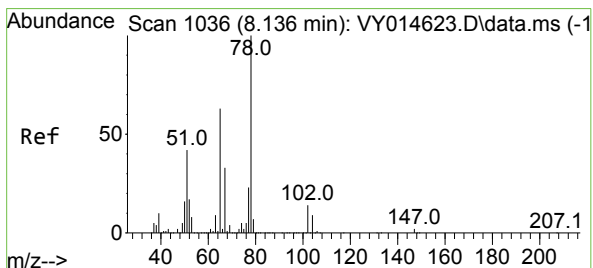
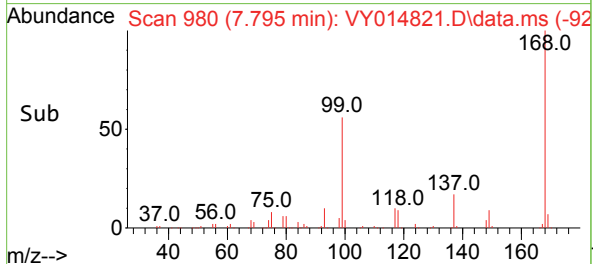
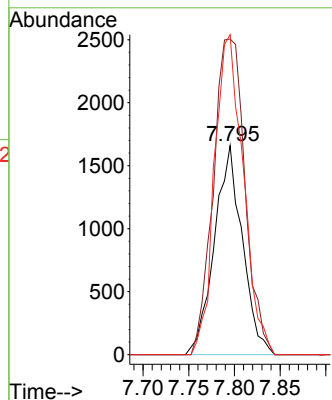
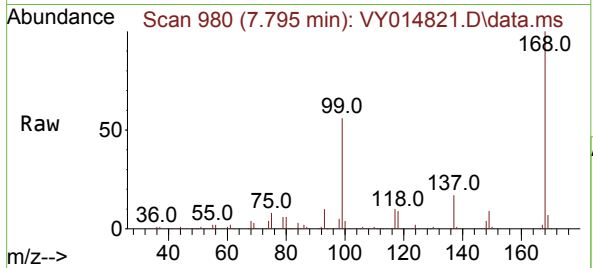




#31
Cyclohexane
Concen: 1.102 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY014821.D
Acq: 25 Jul 2023 23:38

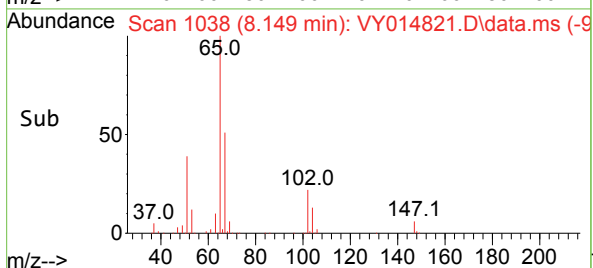
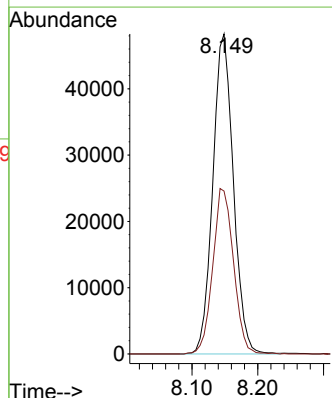
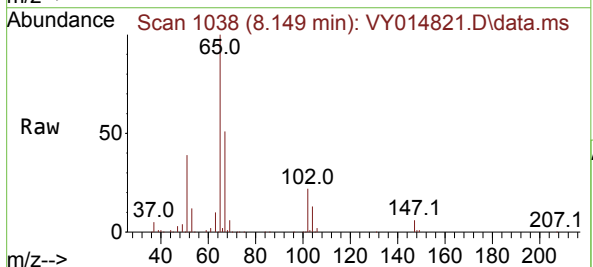
Instrument :
MSVOA_Y
ClientSampleId :
B-P12A

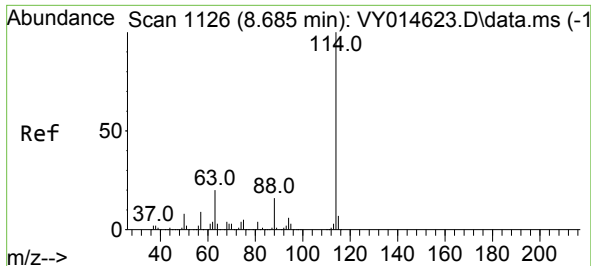
Tgt Ion: 56 Resp: 3536
Ion Ratio Lower Upper
56 100
69 151.0 27.8 41.6#
84 153.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.364 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY014821.D
Acq: 25 Jul 2023 23:38

Tgt Ion: 65 Resp: 105042
Ion Ratio Lower Upper
65 100
67 52.3 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: VY014821.D

Acq: 25 Jul 2023 23:38

Instrument :

MSVOA_Y

ClientSampleId :

B-P12A

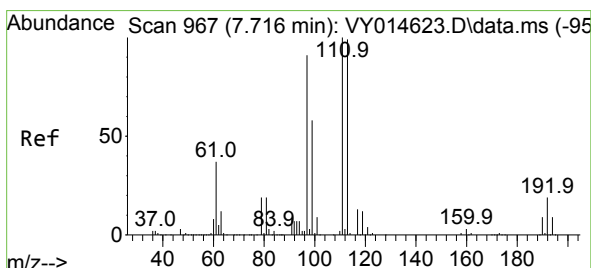
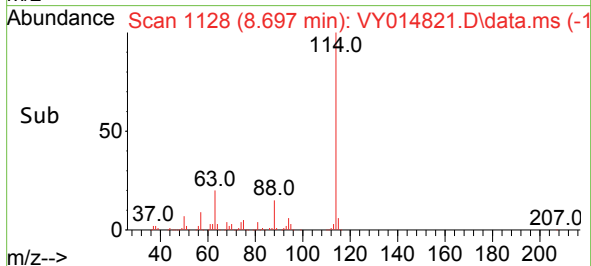
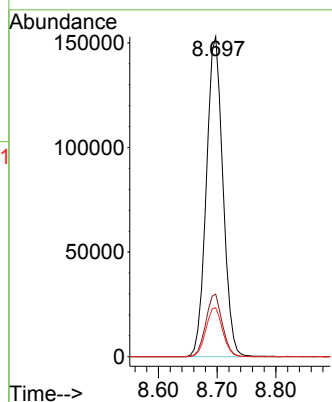
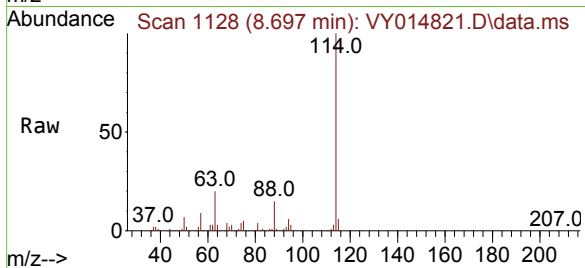
Tgt Ion:114 Resp: 299734

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.531 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014821.D

Acq: 25 Jul 2023 23:38

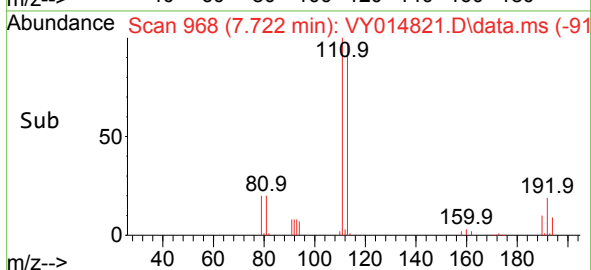
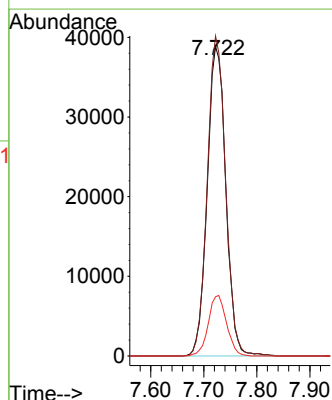
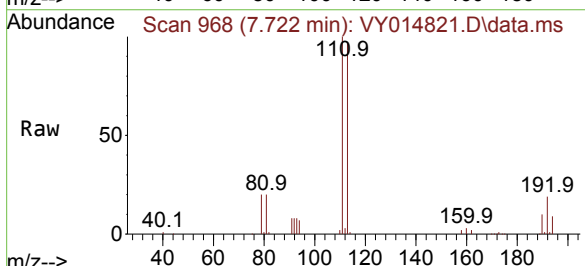
Tgt Ion:113 Resp: 94506

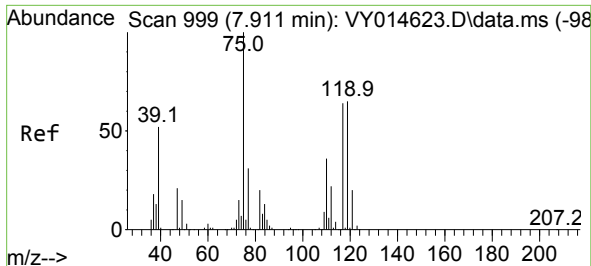
Ion Ratio Lower Upper

113 100

111 102.3 81.3 121.9

192 19.3 16.9 25.3

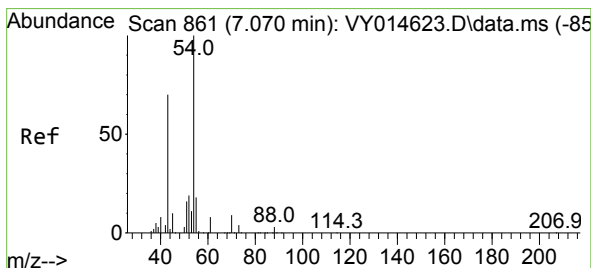
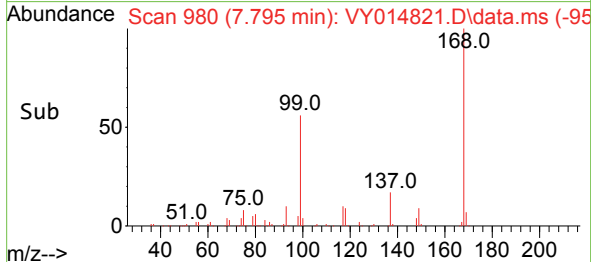
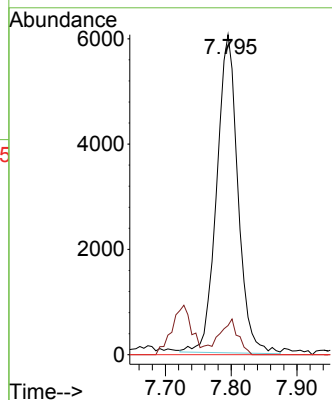
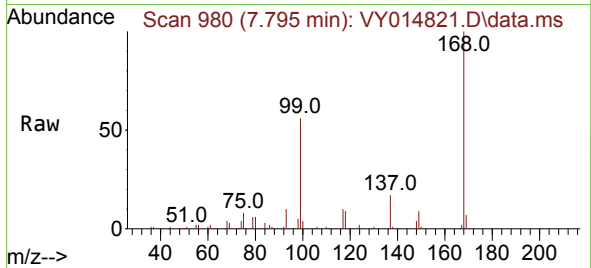




#36
1,1-Dichloropropene
Concen: 4.759 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014821.D
Acq: 25 Jul 2023 23:38

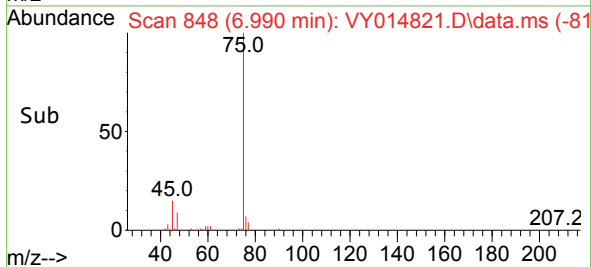
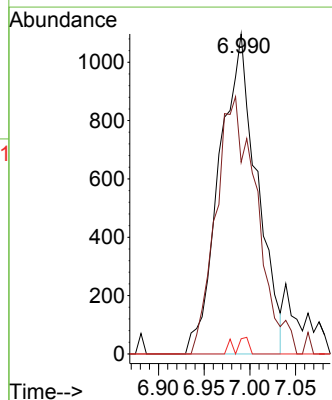
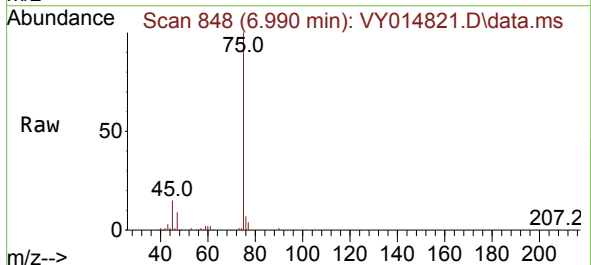
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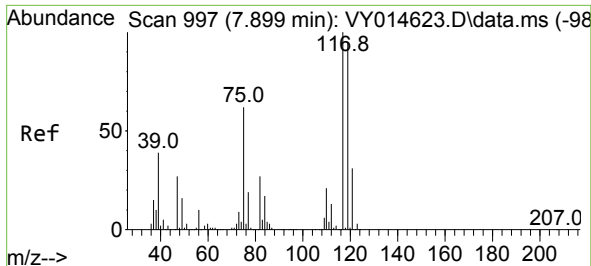
Tgt Ion: 75 Resp: 13578
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.600 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.080 min
Lab File: VY014821.D
Acq: 25 Jul 2023 23:38

Tgt Ion: 43 Resp: 3143
Ion Ratio Lower Upper
43 100
61 87.3 10.1 15.1#
70 1.9 7.1 10.7#

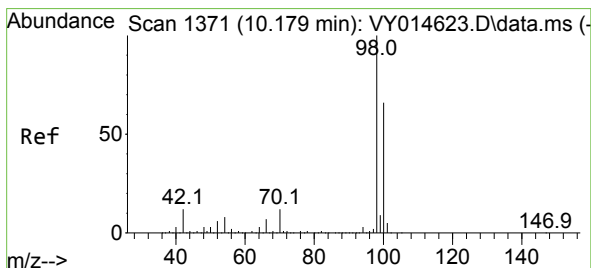
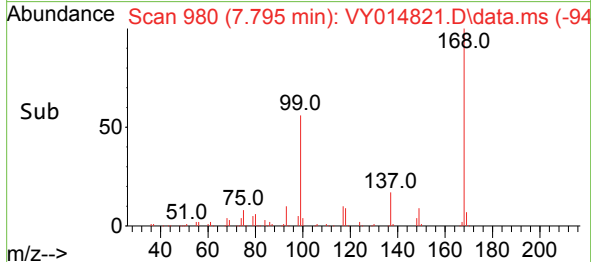
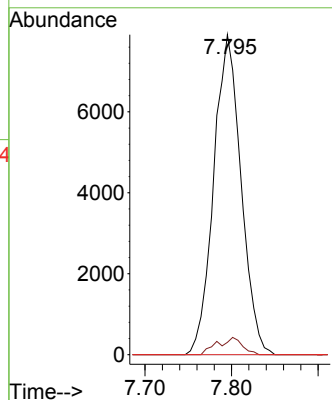
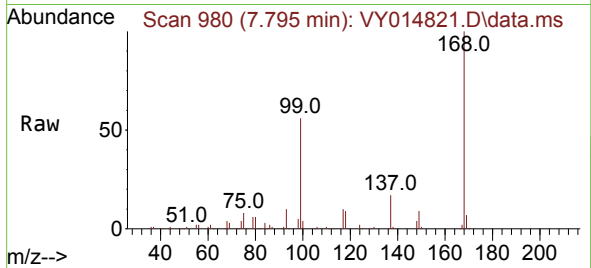




#38
Carbon Tetrachloride
Concen: 5.747 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY014821.D
Acq: 25 Jul 2023 23:38

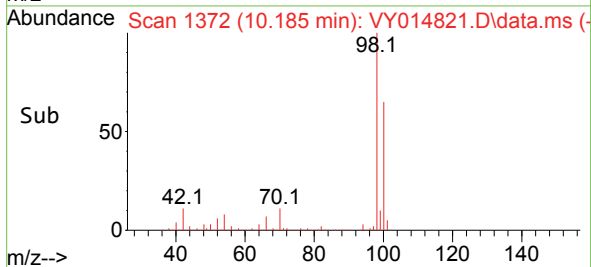
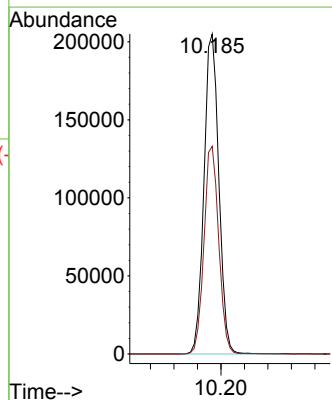
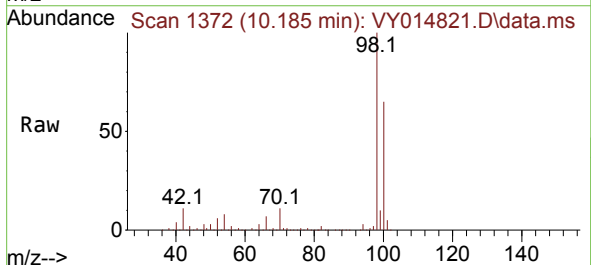
Instrument :
MSVOA_Y
ClientSampleId :
B-P12A

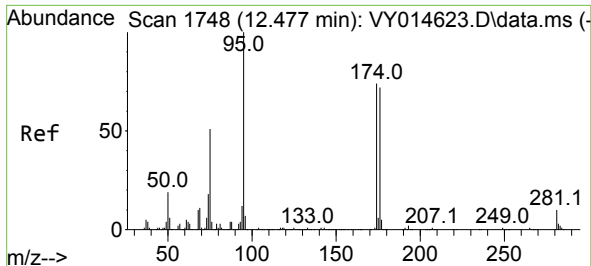
Tgt Ion:117 Resp: 17334
Ion Ratio Lower Upper
117 100
119 3.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 51.105 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY014821.D
Acq: 25 Jul 2023 23:38

Tgt Ion: 98 Resp: 359499
Ion Ratio Lower Upper
98 100
100 64.5 50.1 75.1

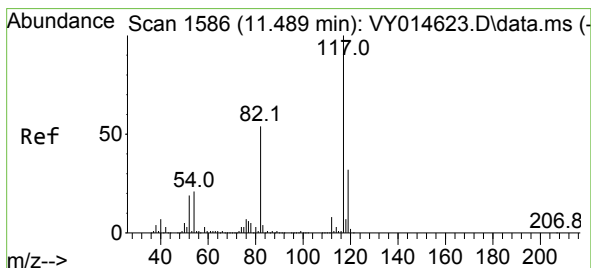
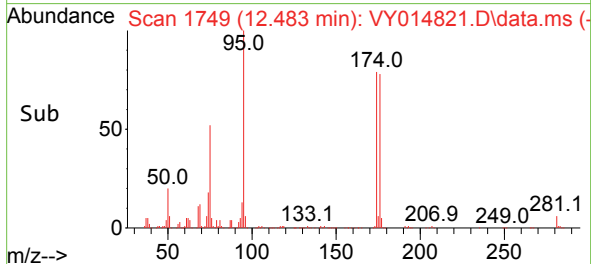
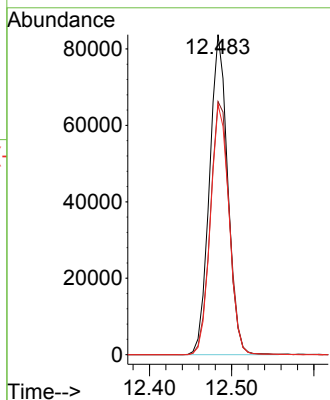
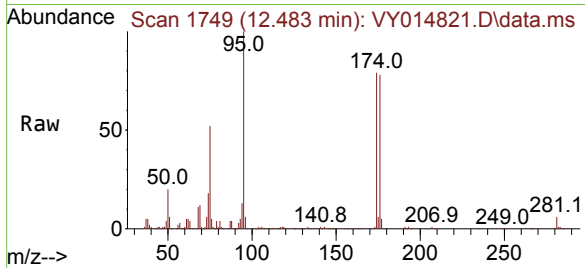




#62
4-Bromofluorobenzene
Concen: 47.911 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014821.D
Acq: 25 Jul 2023 23:38

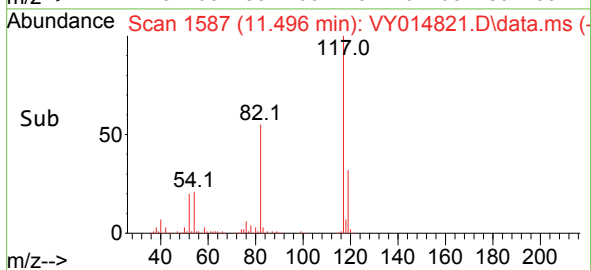
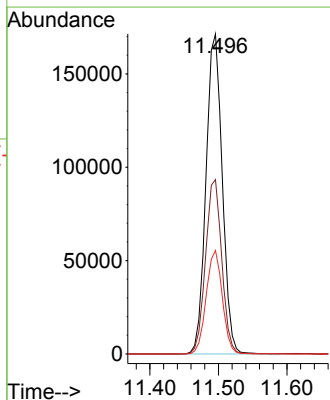
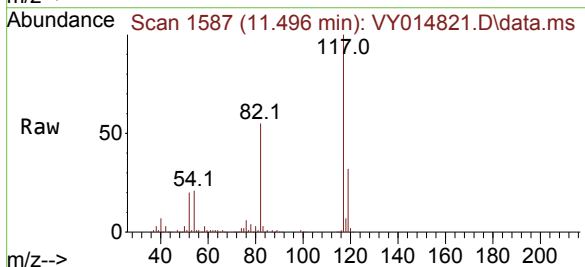
Instrument :
MSVOA_Y
ClientSampleId :
B-P12A

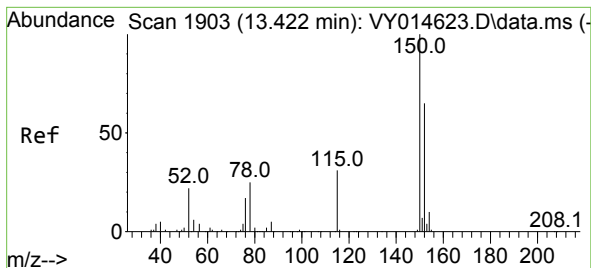
Tgt Ion: 95 Resp: 129231
Ion Ratio Lower Upper
95 100
174 82.1 0.0 178.2
176 79.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014821.D
Acq: 25 Jul 2023 23:38

Tgt Ion: 117 Resp: 283262
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 32.4 26.3 39.5

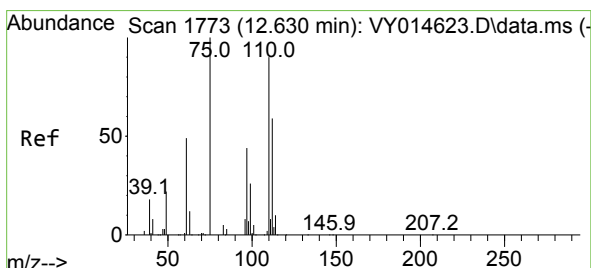
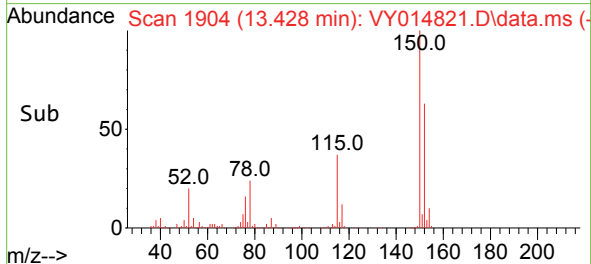
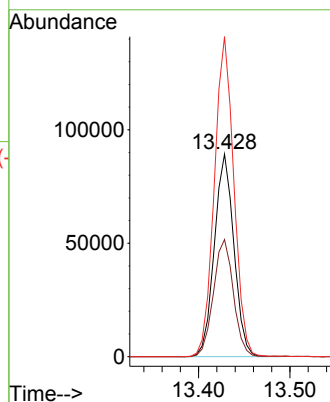
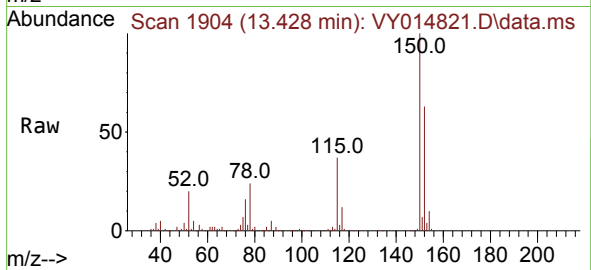




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY014821.D
 Acq: 25 Jul 2023 23:38

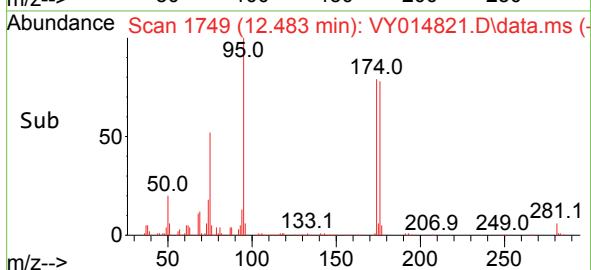
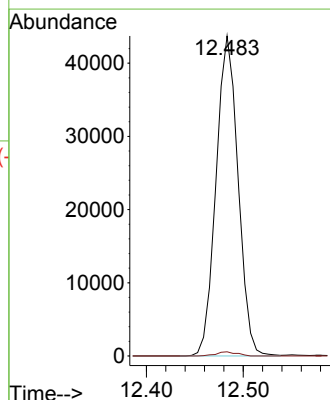
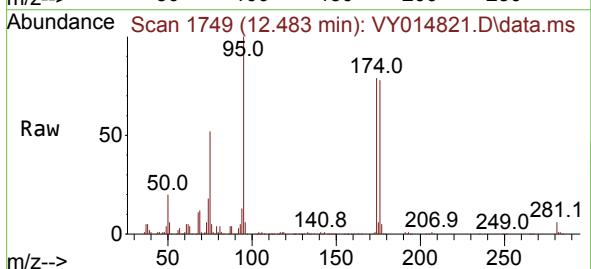
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P12A

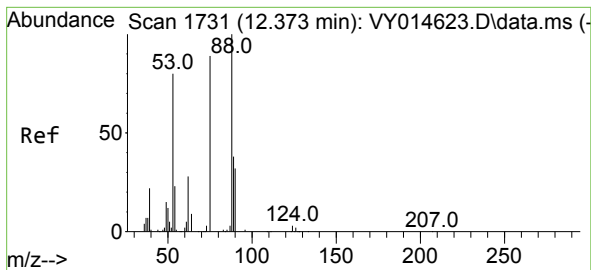
Tgt Ion:152 Resp: 132770
 Ion Ratio Lower Upper
 152 100
 115 59.2 28.8 86.5
 150 157.5 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 41.243 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY014821.D
 Acq: 25 Jul 2023 23:38

Tgt Ion: 75 Resp: 69158
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.854 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014821.D
 Acq: 25 Jul 2023 23:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P12A

Tgt Ion: 75 Resp: 69158
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

