

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
 Data File : VY014438.D
 Acq On : 26 Jun 2023 16:50
 Operator : KP/MD
 Sample : 03375-01
 Misc : 2.66g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5(0-2)

Quant Time: Jun 27 01:49:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

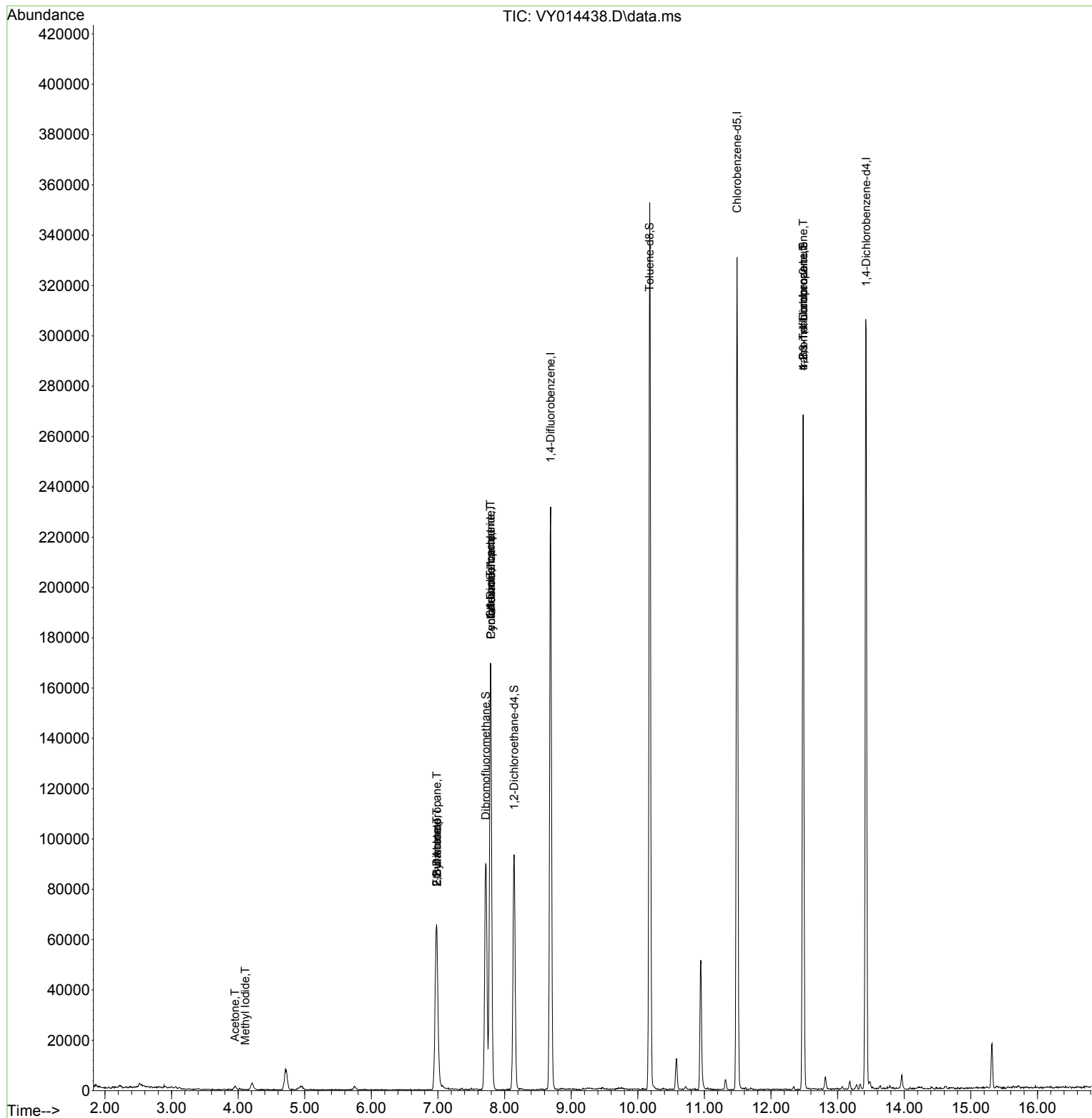
Internal Standards						
1) Pentafluorobenzene	7.795	168	134544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	196922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	180720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	83611	50.052	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.100%	
35) Dibromofluoromethane	7.716	113	62048	51.000	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.000%	
50) Toluene-d8	10.179	98	230789	47.721	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.440%	
62) 4-Bromofluorobenzene	12.483	95	71121	41.192	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.380%	
Target Compounds						Qvalue
10) Methyl Iodide	4.107	142	93	2.928	ug/l #	38
11) Tert butyl alcohol	4.960	59	1183	Below Cal	#	89
16) Acetone	3.954	43	2514	4.783	ug/l	91
20) Methylene Chloride	4.710	84	6113	Below Cal		96
25) 2-Butanone	6.984	43	3478	5.312	ug/l #	80
26) 2,2-Dichloropropane	6.984	77	4712	1.908	ug/l #	54
31) Cyclohexane	7.795	56	2798	1.356	ug/l #	45
36) 1,1-Dichloropropene	7.789	75	9741	5.196	ug/l #	51
37) Ethyl Acetate	6.984	43	3478	2.692	ug/l #	1
38) Carbon Tetrachloride	7.789	117	13195	5.593	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	39555	37.821	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	39555	86.106	ug/l #	11

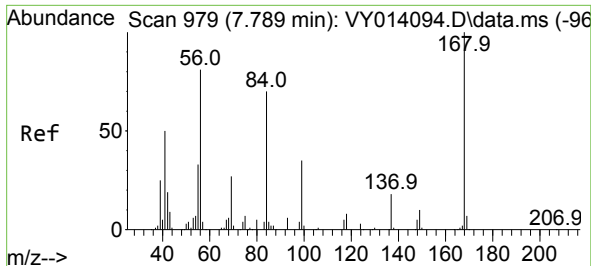
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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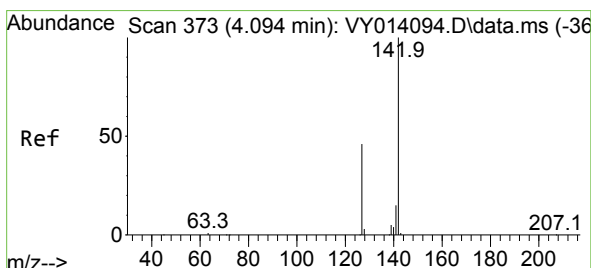
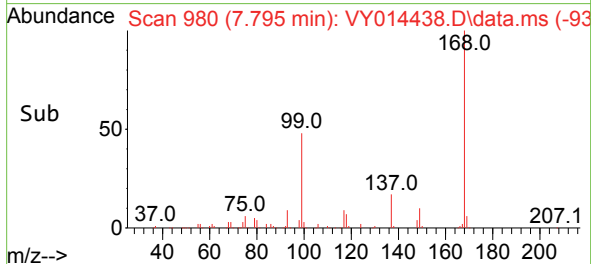
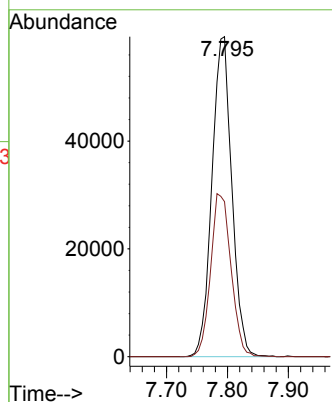
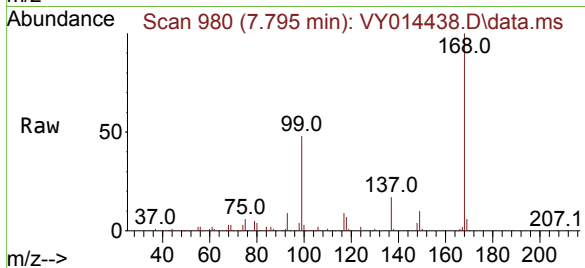




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014438.D
Acq: 26 Jun 2023 16:50

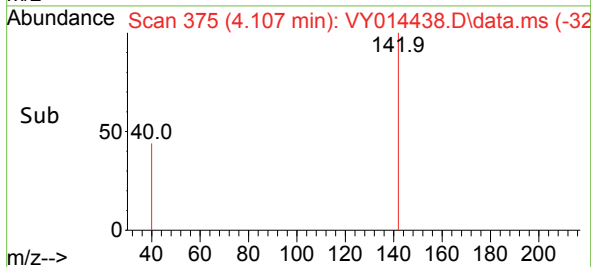
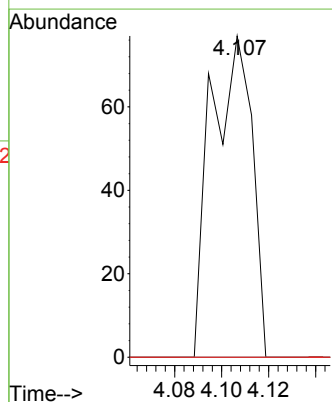
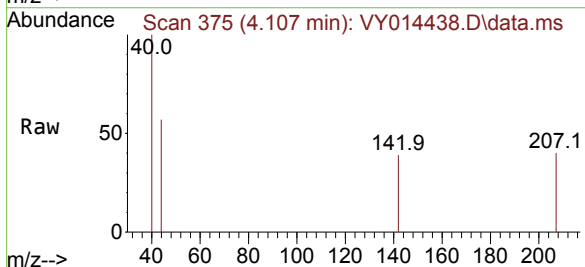
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(0-2)

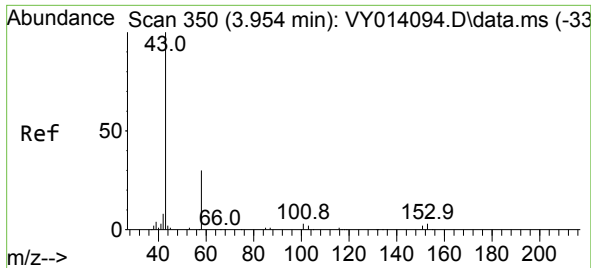
Tgt Ion:168 Resp: 134544
Ion Ratio Lower Upper
168 100
99 48.5 43.4 65.0



#10
Methyl Iodide
Concen: 2.928 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.013 min
Lab File: VY014438.D
Acq: 26 Jun 2023 16:50

Tgt Ion:142 Resp: 93
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 4.783 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY014438.D

Acq: 26 Jun 2023 16:50

Instrument :

MSVOA_Y

ClientSampleId :

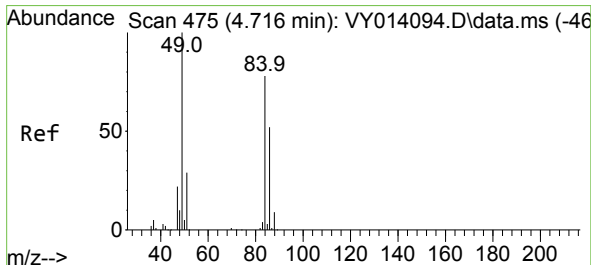
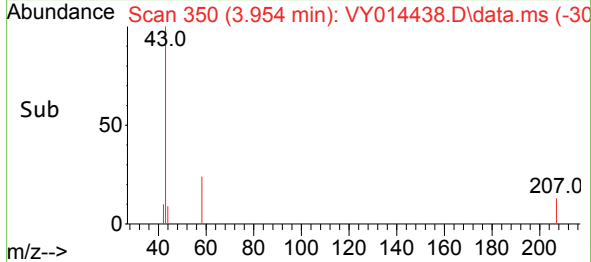
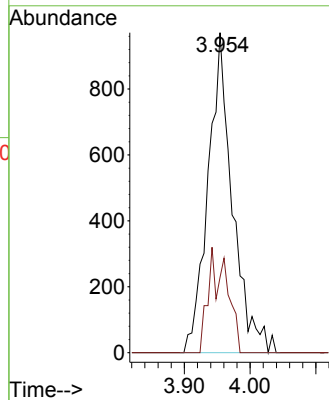
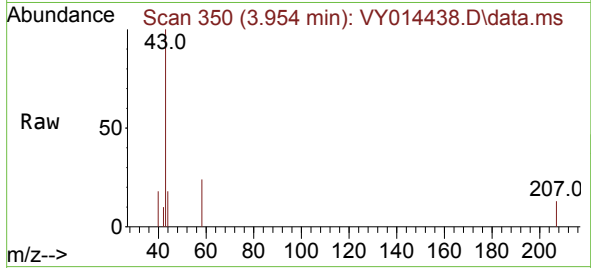
SB-5(0-2)

Tgt Ion: 43 Resp: 2514

Ion Ratio Lower Upper

43 100

58 23.6 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014438.D

Acq: 26 Jun 2023 16:50

Tgt Ion: 84 Resp: 6113

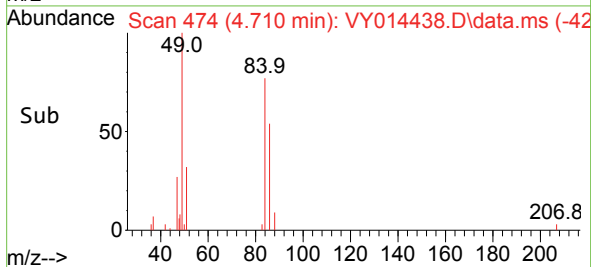
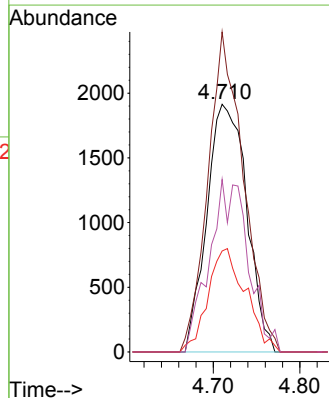
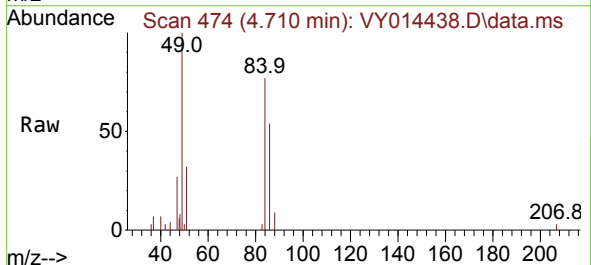
Ion Ratio Lower Upper

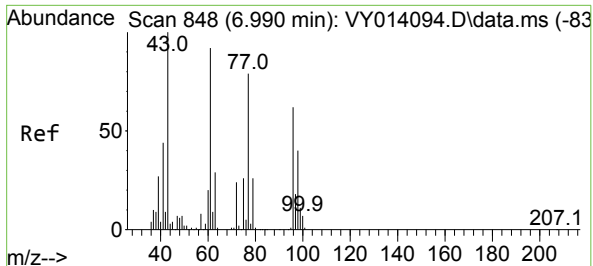
84 100

49 129.2 106.9 160.3

51 40.8 33.2 49.8

86 69.6 51.0 76.6

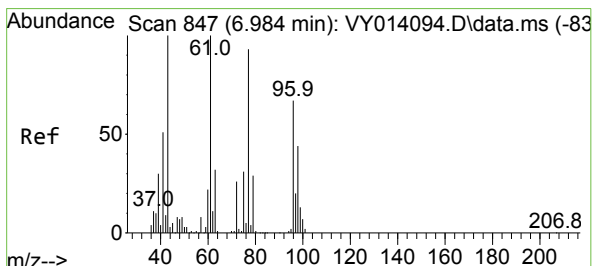
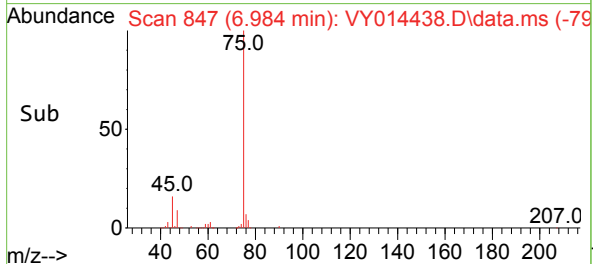
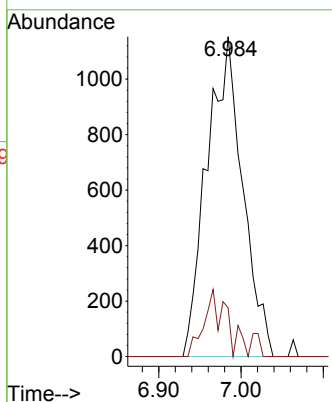
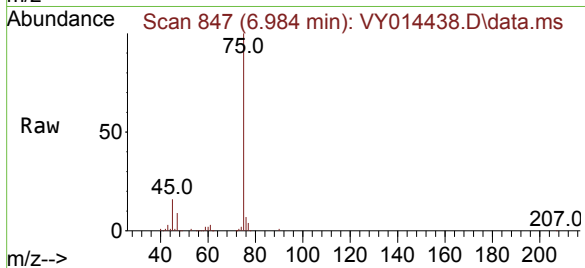




#25
2-Butanone
Concen: 5.312 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014438.D
Acq: 26 Jun 2023 16:50

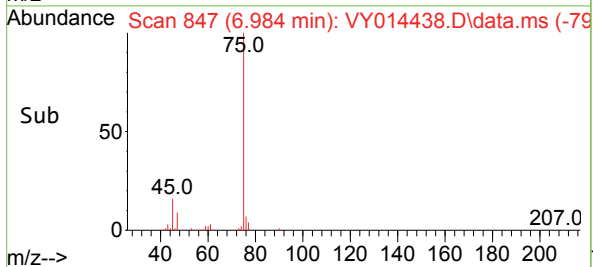
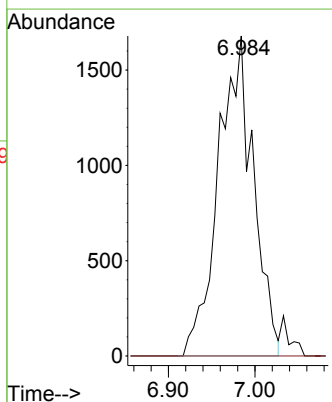
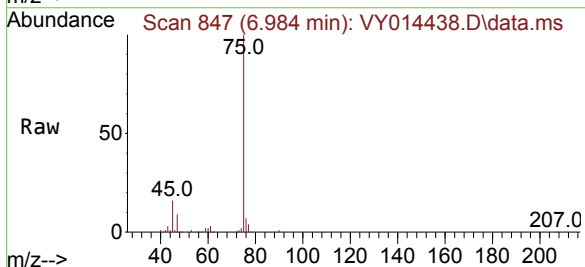
Instrument :
MSVOA_Y
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SB-5(0-2)

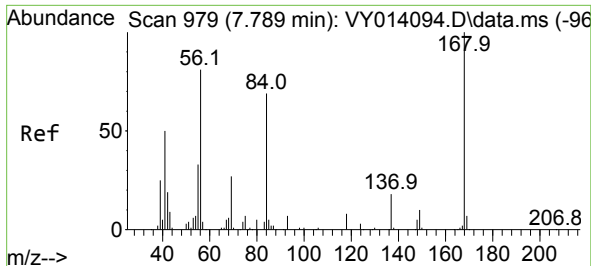
Tgt Ion: 43 Resp: 3478
Ion Ratio Lower Upper
43 100
72 15.3 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.908 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY014438.D
Acq: 26 Jun 2023 16:50

Tgt Ion: 77 Resp: 4712
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

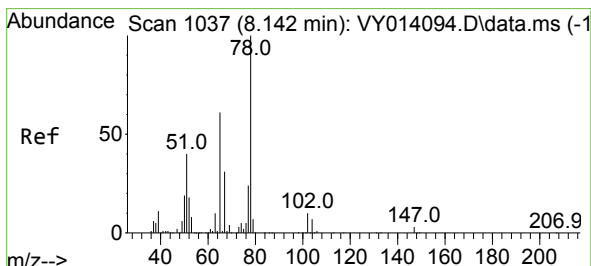
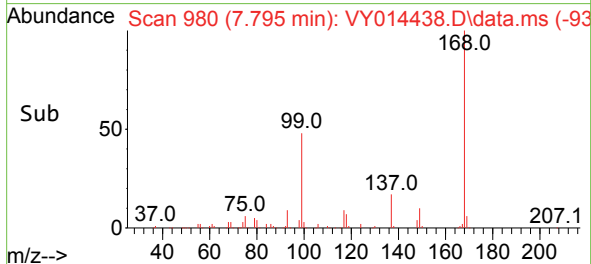
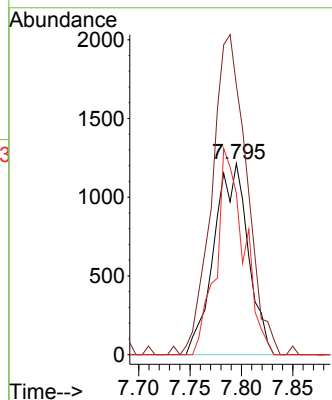
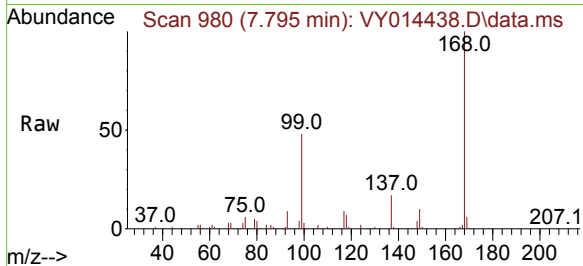




#31
Cyclohexane
Concen: 1.356 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014438.D
Acq: 26 Jun 2023 16:50

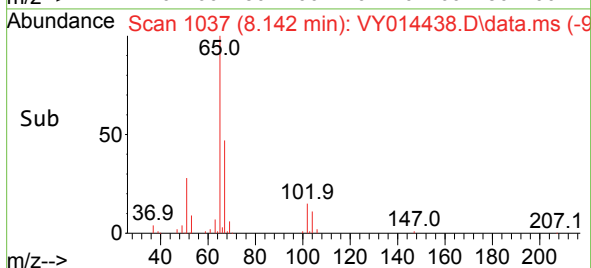
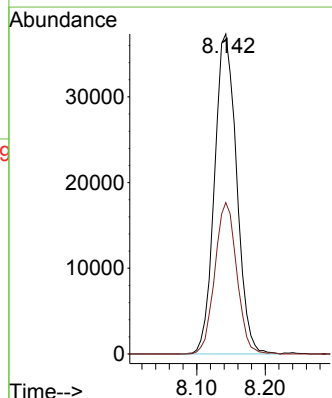
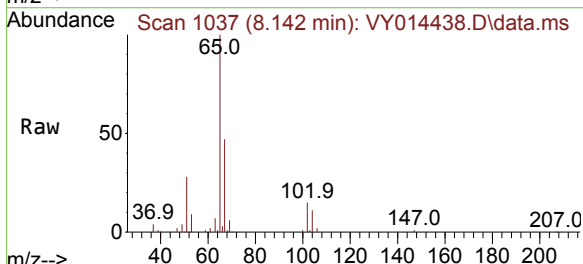
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(0-2)

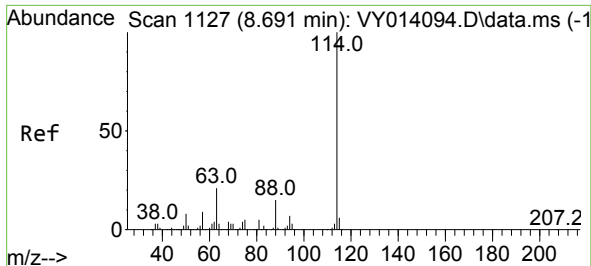
Tgt Ion: 56 Resp: 2798
Ion Ratio Lower Upper
56 100
69 140.9 27.8 41.6#
84 84.4 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 50.052 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014438.D
Acq: 26 Jun 2023 16:50

Tgt Ion: 65 Resp: 83611
Ion Ratio Lower Upper
65 100
67 46.9 0.0 101.8

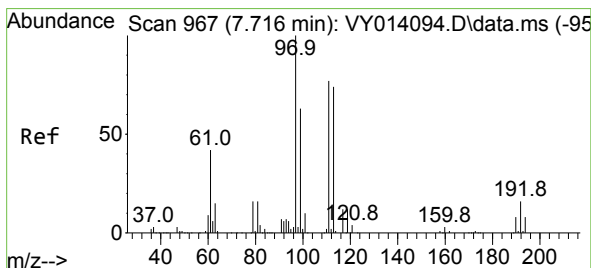
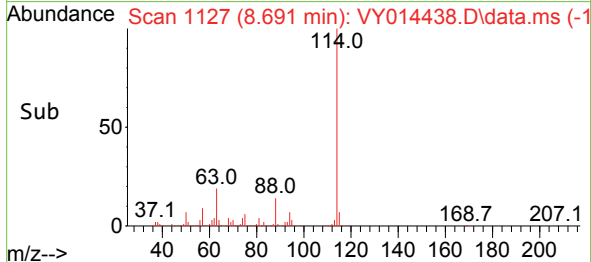
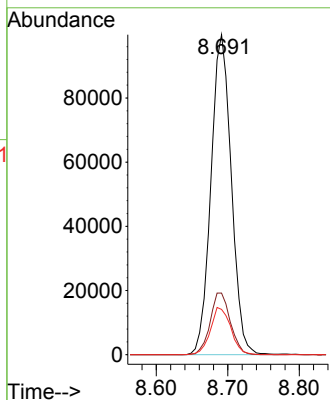
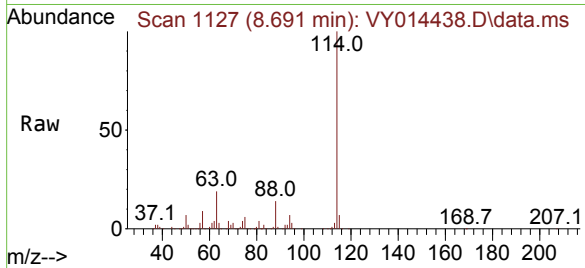




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014438.D
 Acq: 26 Jun 2023 16:50

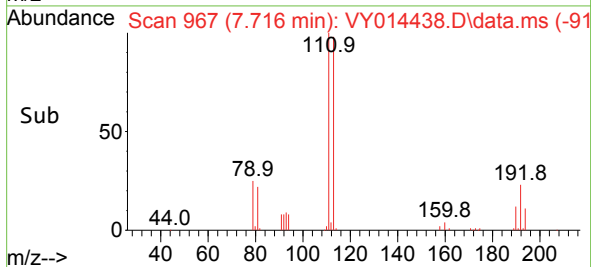
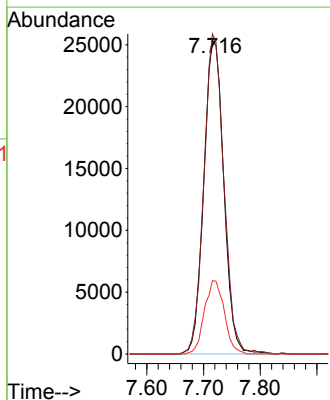
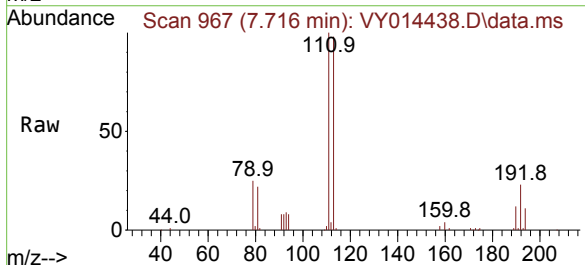
Instrument :
 MSVOA_Y
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 SB-5(0-2)

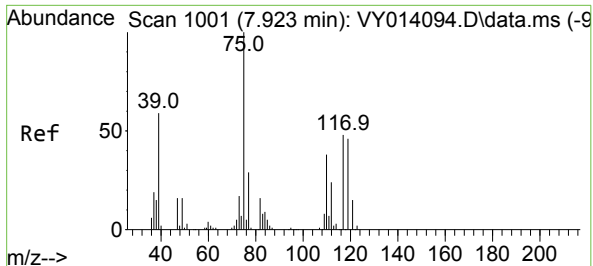
Tgt Ion:	114	Resp:	196922
Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	42.4
88	14.1	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 51.000 ug/l
 RT: 7.716 min Scan# 967
 Delta R.T. -0.000 min
 Lab File: VY014438.D
 Acq: 26 Jun 2023 16:50

Tgt Ion:	113	Resp:	62048
Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.3	121.9
192	23.3	16.9	25.3

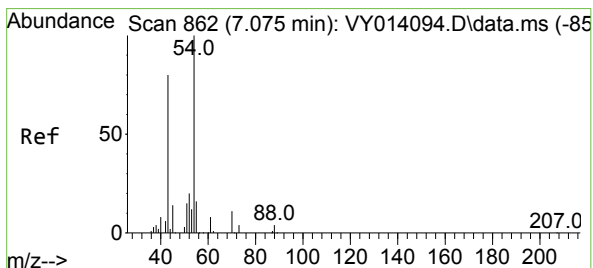
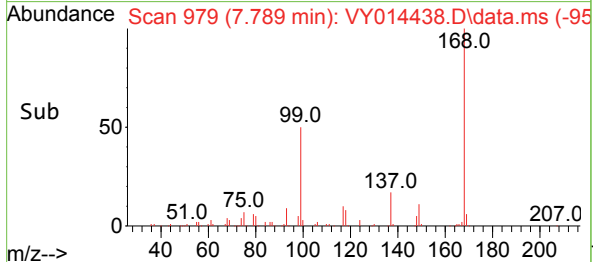
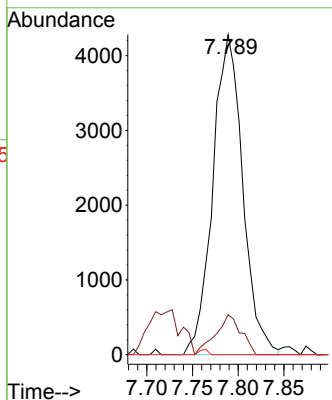
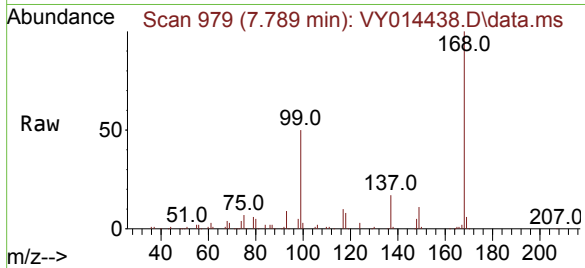




#36
1,1-Dichloropropene
Concen: 5.196 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY014438.D
Acq: 26 Jun 2023 16:50

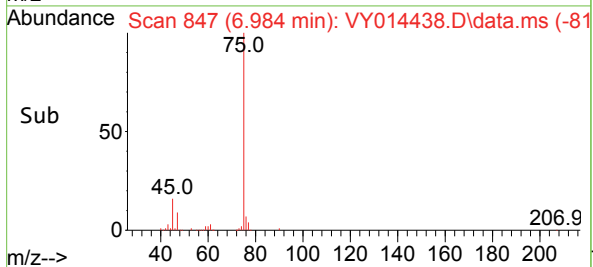
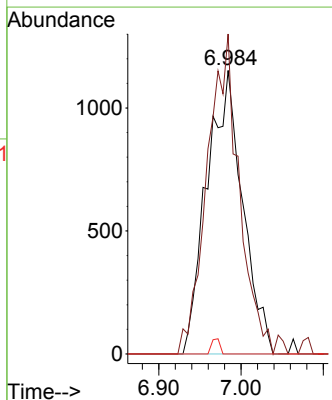
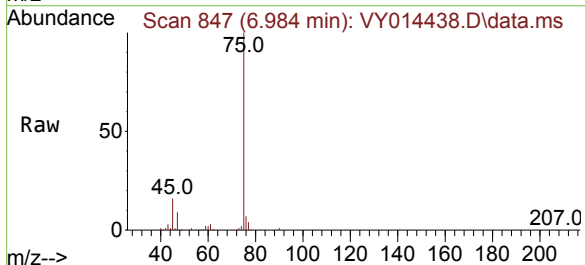
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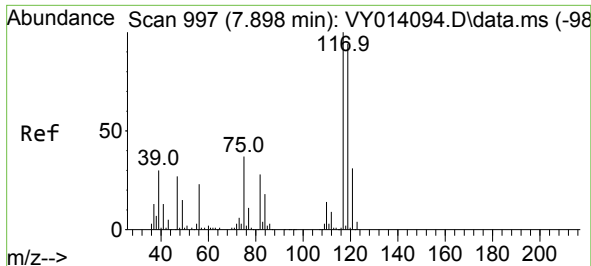
Tgt Ion: 75 Resp: 9741
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.692 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.091 min
Lab File: VY014438.D
Acq: 26 Jun 2023 16:50

Tgt Ion: 43 Resp: 3478
Ion Ratio Lower Upper
43 100
61 100.9 10.1 15.1#
70 1.3 7.1 10.7#

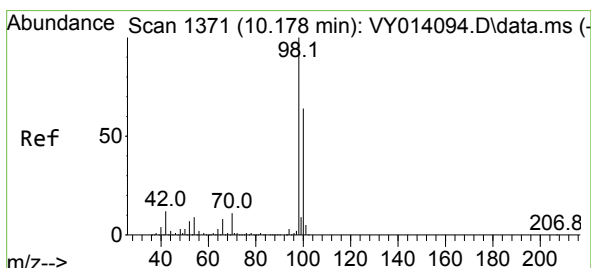
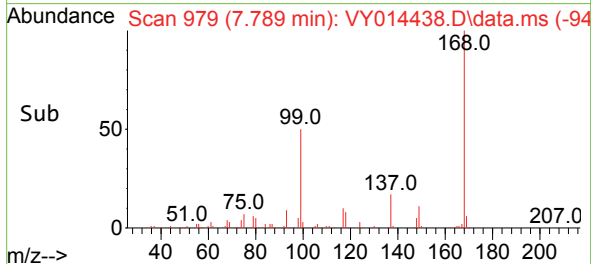
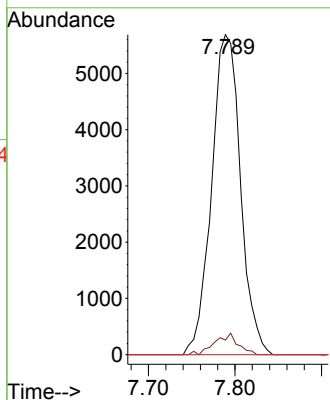
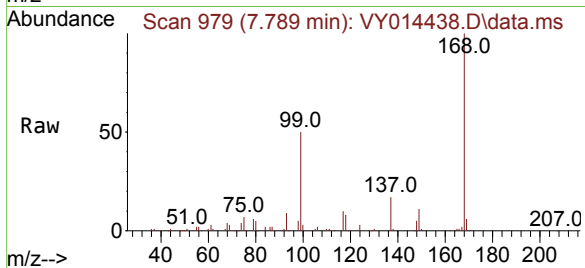




#38
Carbon Tetrachloride
Concen: 5.593 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014438.D
Acq: 26 Jun 2023 16:50

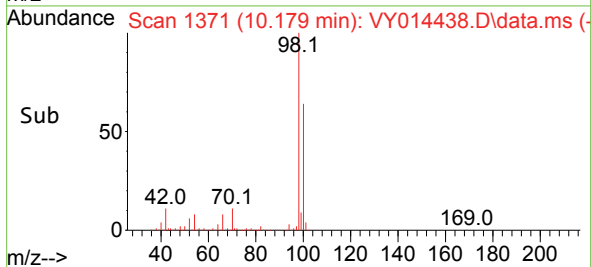
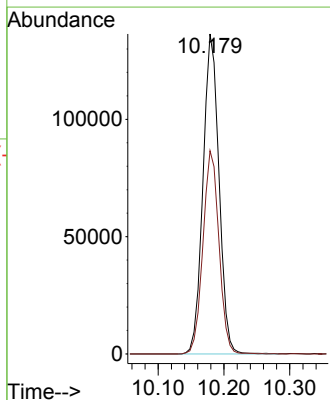
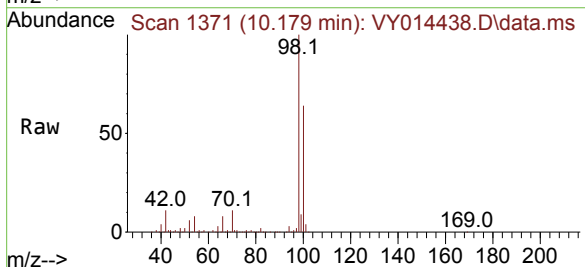
Instrument :
MSVOA_Y
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SB-5(0-2)

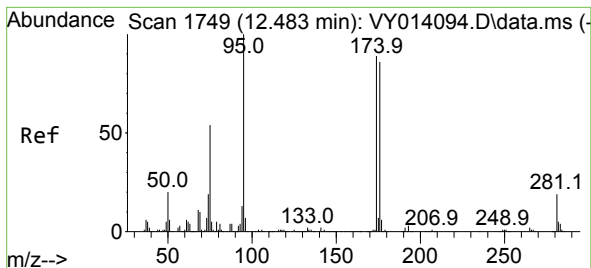
Tgt Ion:117 Resp: 13195
Ion Ratio Lower Upper
117 100
119 4.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.721 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014438.D
Acq: 26 Jun 2023 16:50

Tgt Ion: 98 Resp: 230789
Ion Ratio Lower Upper
98 100
100 63.5 50.1 75.1

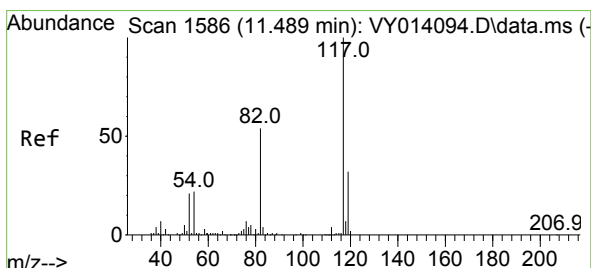
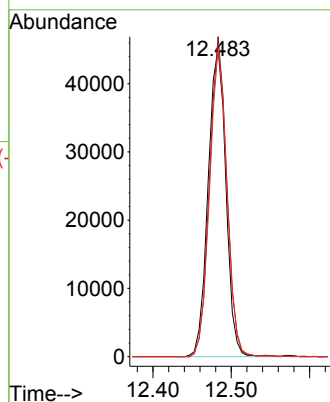
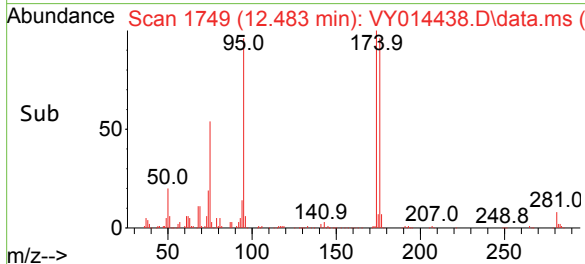
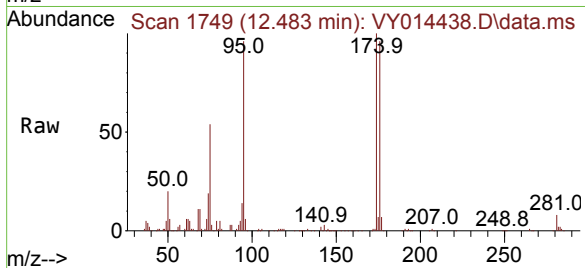




#62
4-Bromofluorobenzene
Concen: 41.192 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014438.D
Acq: 26 Jun 2023 16:50

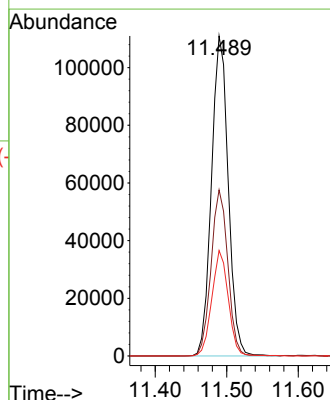
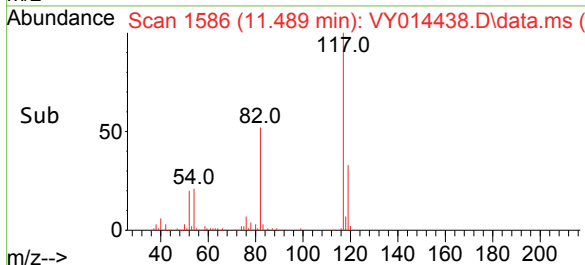
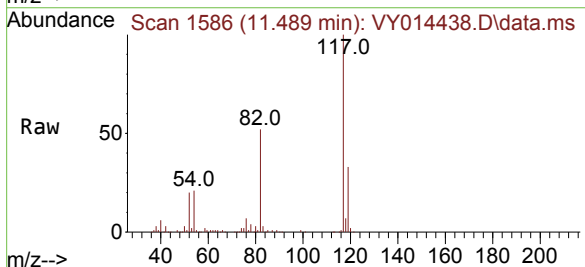
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(0-2)

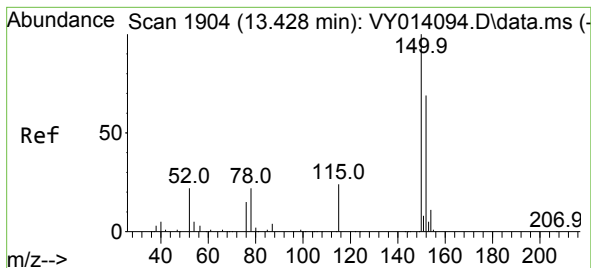
Tgt Ion: 95 Resp: 71121
Ion Ratio Lower Upper
95 100
174 100.5 0.0 178.2
176 97.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014438.D
Acq: 26 Jun 2023 16:50

Tgt Ion: 117 Resp: 180720
Ion Ratio Lower Upper
117 100
82 51.9 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. 0.000 min

Lab File: VY014438.D

Acq: 26 Jun 2023 16:50

Instrument :

MSVOA_Y

ClientSampleId :

SB-5(0-2)

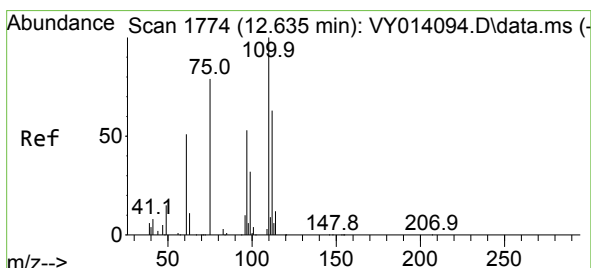
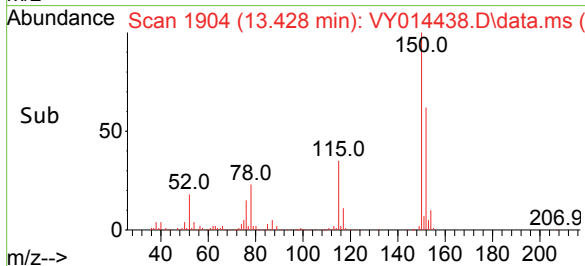
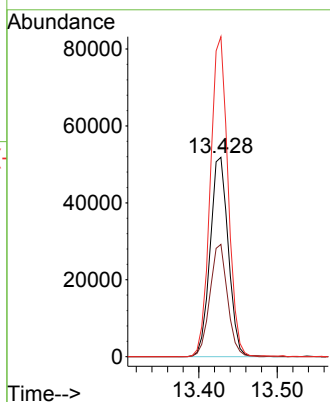
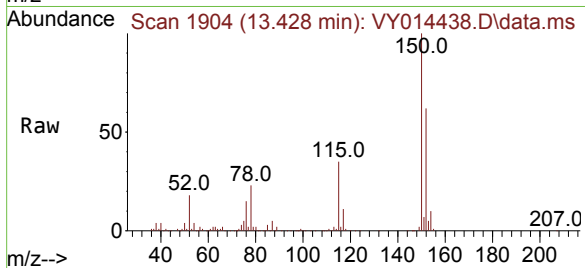
Tgt Ion:152 Resp: 83373

Ion Ratio Lower Upper

152 100

115 54.9 28.8 86.5

150 156.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.821 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014438.D

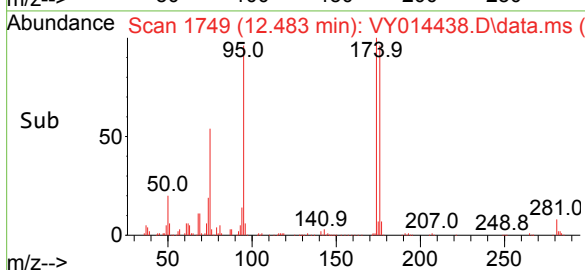
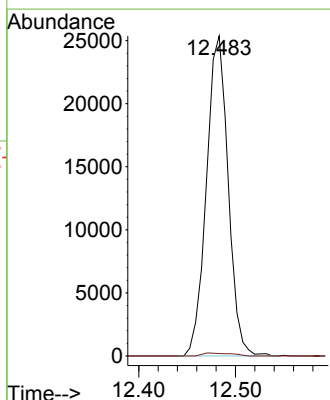
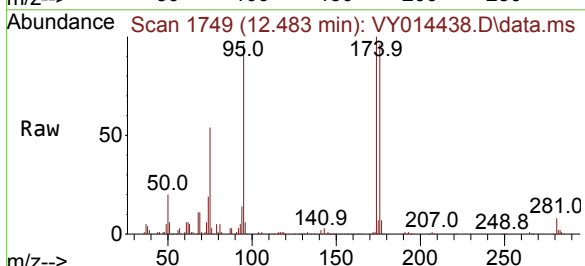
Acq: 26 Jun 2023 16:50

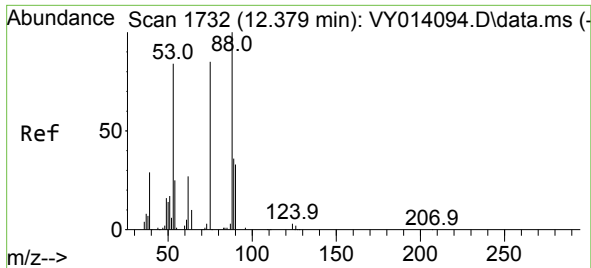
Tgt Ion: 75 Resp: 39555

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.106 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014438.D
 Acq: 26 Jun 2023 16:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5(0-2)

Tgt Ion: 75 Resp: 39555
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 37.4 56.0#

