

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062723\
 Data File : VY014458.D
 Acq On : 27 Jun 2023 15:12
 Operator : KP/MD
 Sample : 03375-01RE
 Misc : 2.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 28 01:56:41 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)

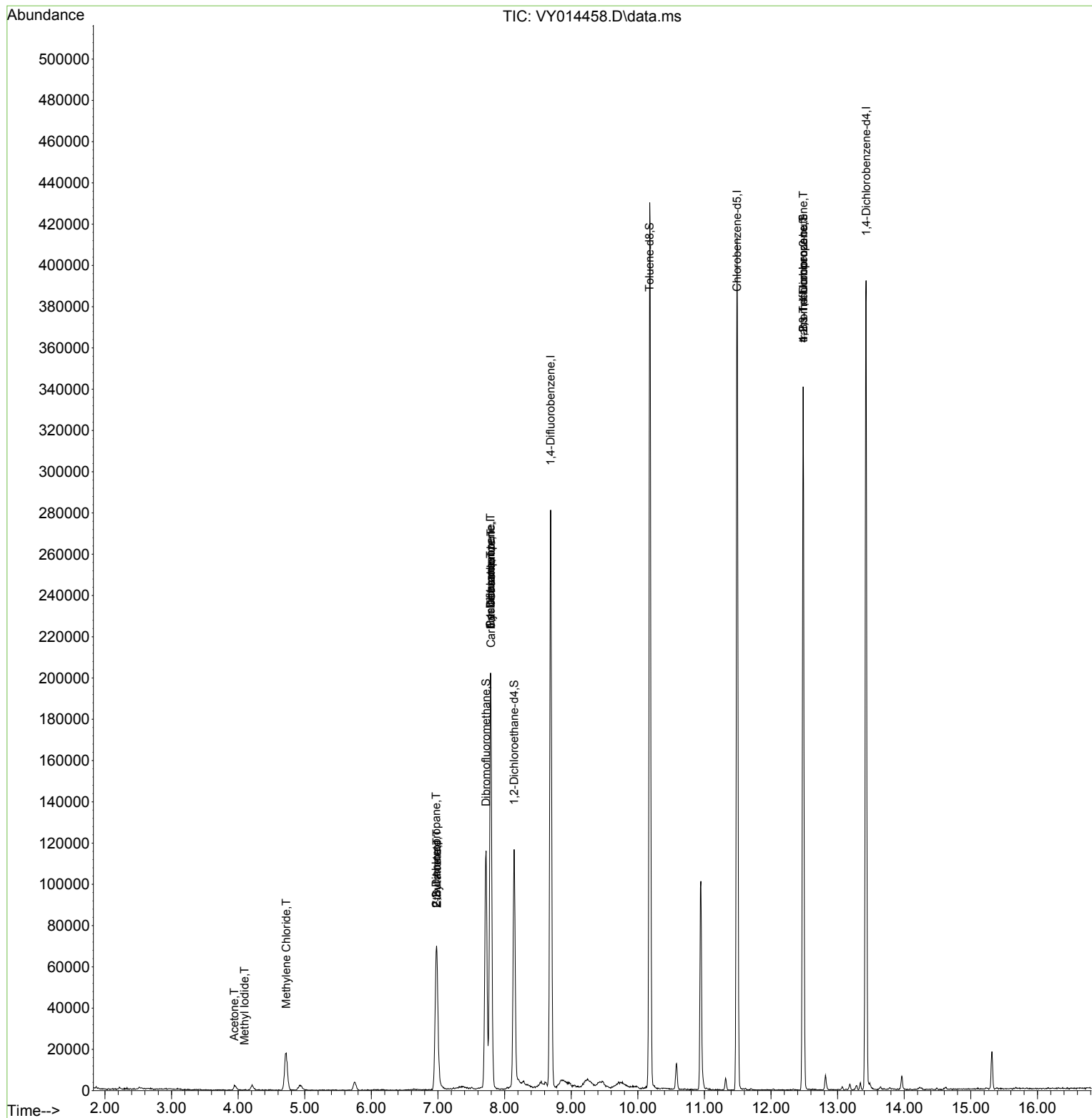
Internal Standards						
1) Pentafluorobenzene	7.789	168	157247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	235086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	226516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	98746	50.578	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.160%	
35) Dibromofluoromethane	7.722	113	76510	52.678	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.360%	
50) Toluene-d8	10.179	98	279766	48.457	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.920%	
62) 4-Bromofluorobenzene	12.483	95	89330	43.339	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.680%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	96	2.922	ug/l #	38
11) Tert butyl alcohol	4.948	59	2991	Below Cal	#	96
16) Acetone	3.942	43	4224	6.876	ug/l	97
20) Methylene Chloride	4.722	84	14029	2.644	ug/l #	80
25) 2-Butanone	6.984	43	3635	4.751	ug/l #	73
26) 2,2-Dichloropropane	6.972	77	5134	1.778	ug/l #	54
31) Cyclohexane	7.789	56	3078	1.276	ug/l #	4
36) 1,1-Dichloropropene	7.789	75	11470	5.125	ug/l #	51
37) Ethyl Acetate	6.984	43	3635	2.357	ug/l #	1
38) Carbon Tetrachloride	7.795	117	14672	5.209	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	49705	37.035	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49705	84.316	ug/l #	11

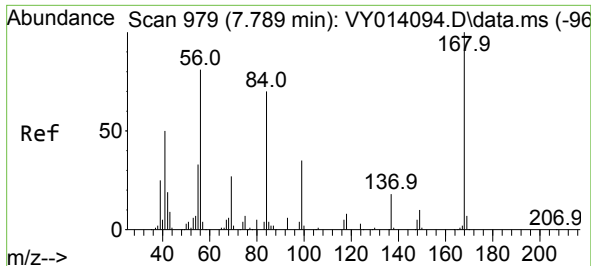
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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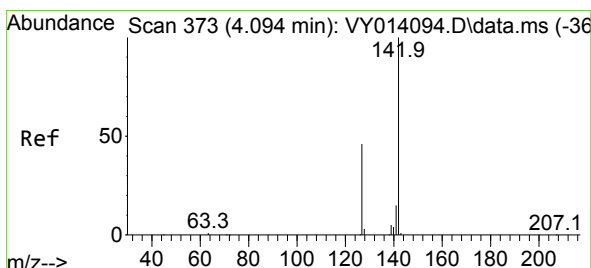
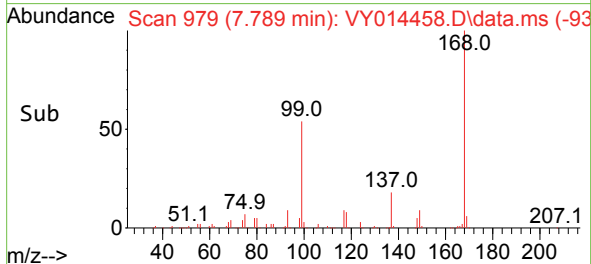
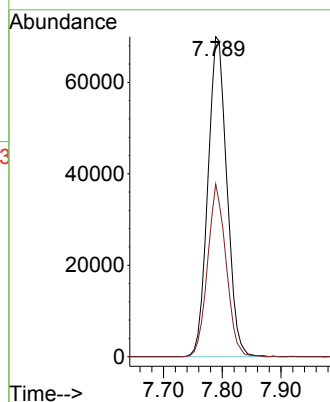
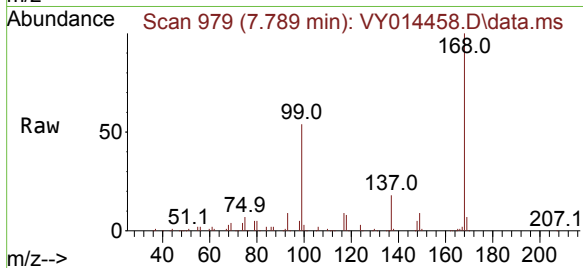




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014458.D
Acq: 27 Jun 2023 15:12

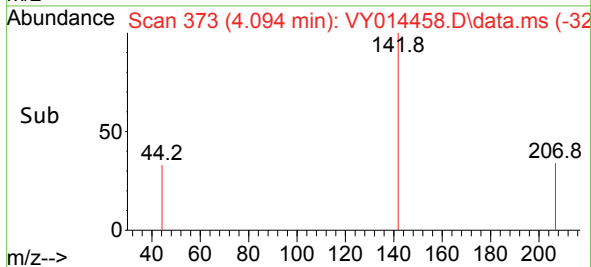
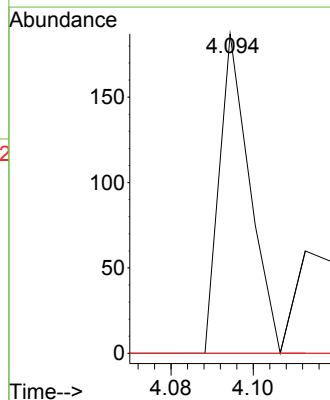
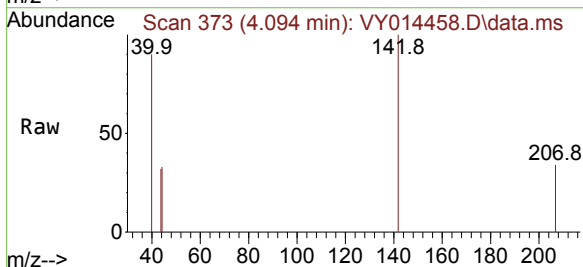
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(0-2)

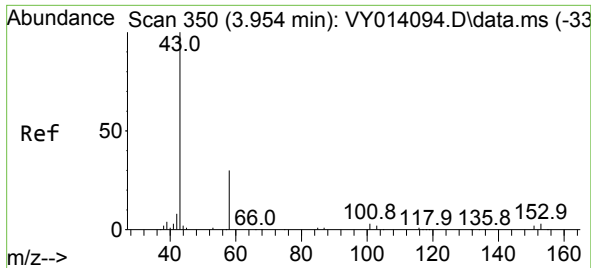
Tgt Ion:168 Resp: 157247
Ion Ratio Lower Upper
168 100
99 54.0 43.4 65.0



#10
Methyl Iodide
Concen: 2.922 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY014458.D
Acq: 27 Jun 2023 15:12

Tgt Ion:142 Resp: 96
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

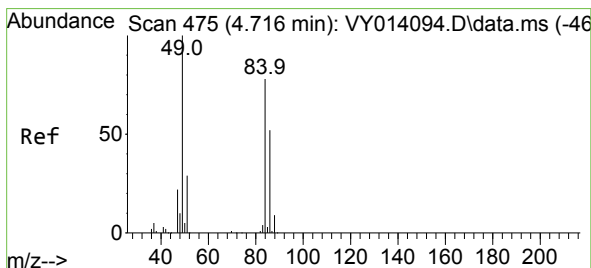
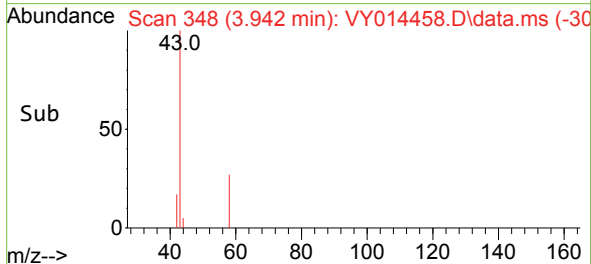
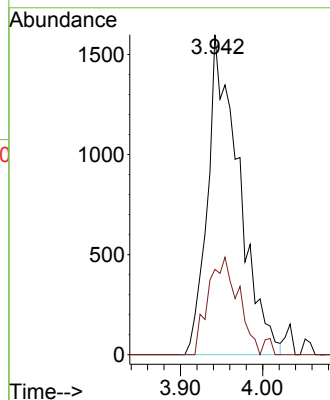
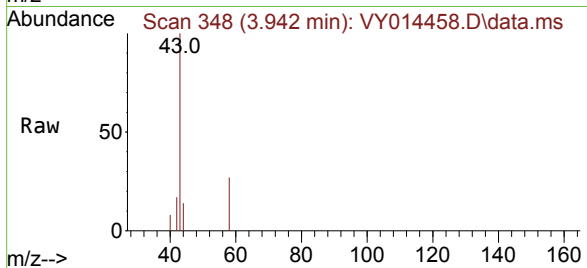




#16
Acetone
Concen: 6.876 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY014458.D
Acq: 27 Jun 2023 15:12

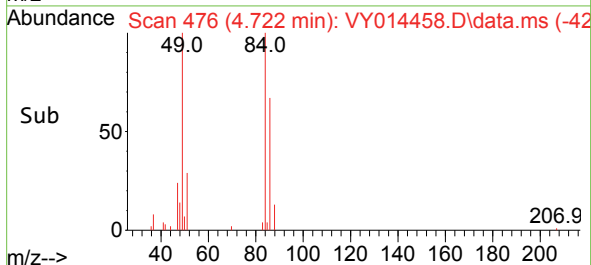
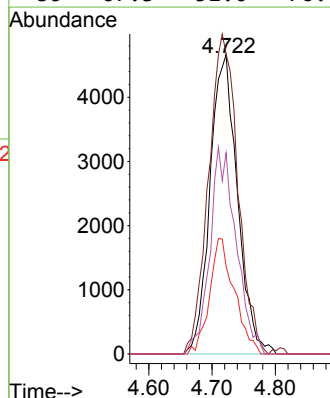
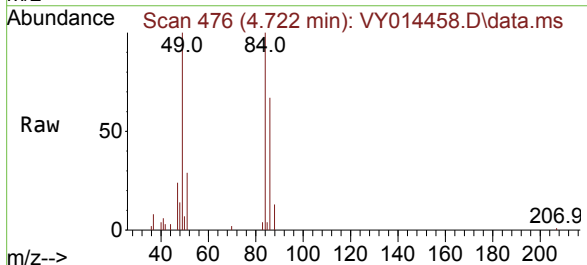
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(0-2)

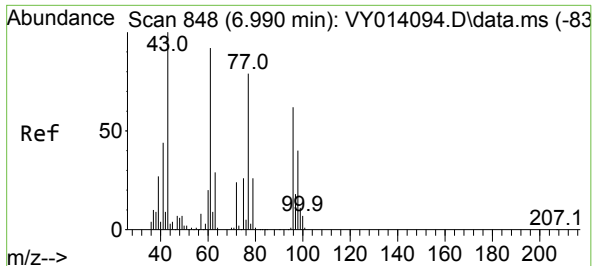
Tgt Ion: 43 Resp: 4224
Ion Ratio Lower Upper
43 100
58 26.6 22.7 34.1



#20
Methylene Chloride
Concen: 2.644 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY014458.D
Acq: 27 Jun 2023 15:12

Tgt Ion: 84 Resp: 14029
Ion Ratio Lower Upper
84 100
49 100.2 106.9 160.3#
51 29.3 33.2 49.8#
86 67.3 51.0 76.6

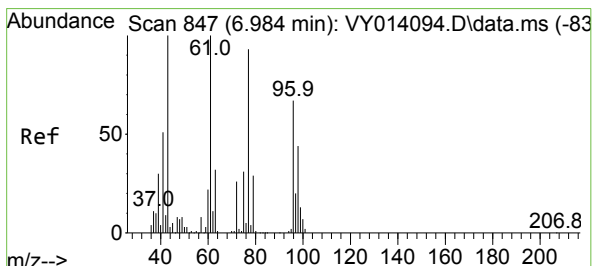
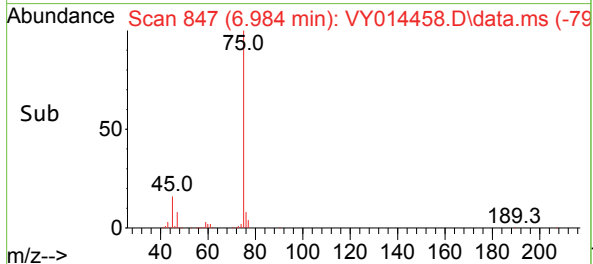
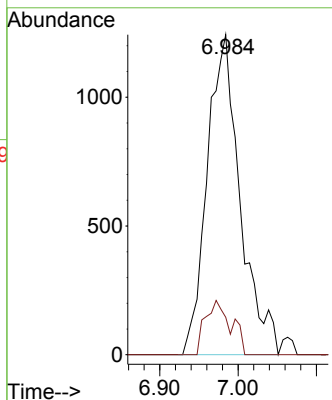
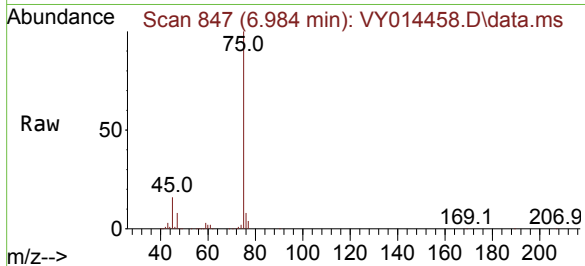




#25
2-Butanone
Concen: 4.751 ug/l
RT: 6.984 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014458.D
Acq: 27 Jun 2023 15:12

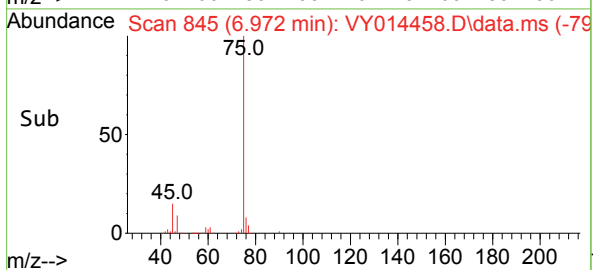
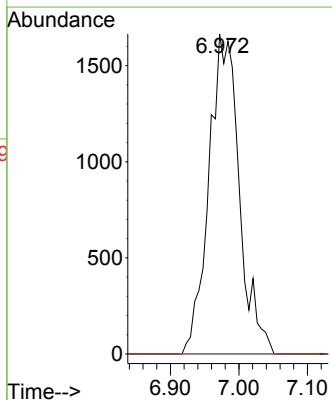
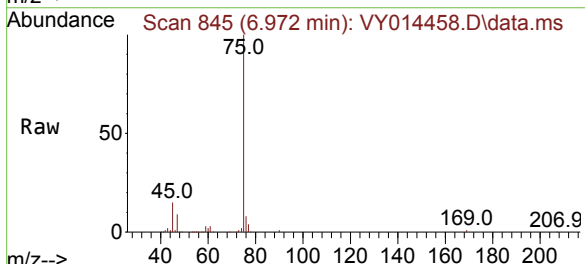
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(0-2)

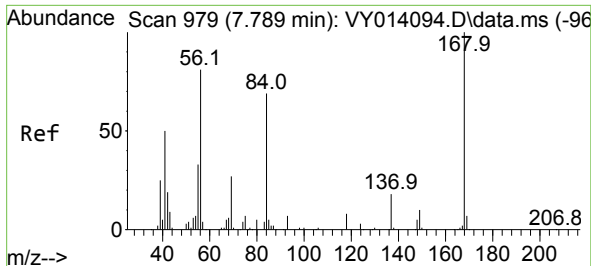
Tgt Ion: 43 Resp: 3635
Ion Ratio Lower Upper
43 100
72 11.7 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.778 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY014458.D
Acq: 27 Jun 2023 15:12

Tgt Ion: 77 Resp: 5134
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

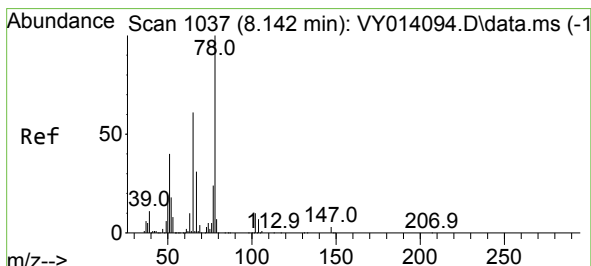
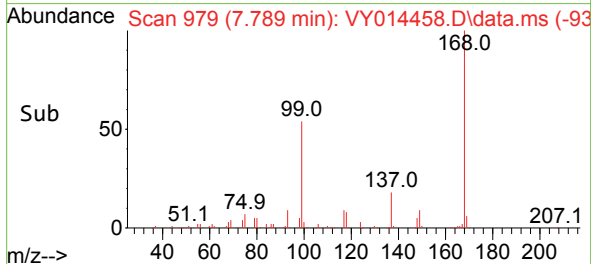
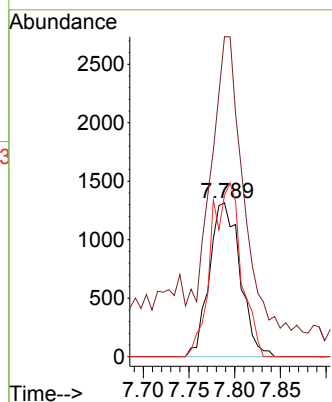
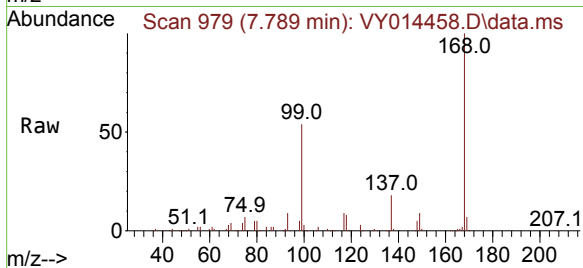




#31
Cyclohexane
Concen: 1.276 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014458.D
Acq: 27 Jun 2023 15:12

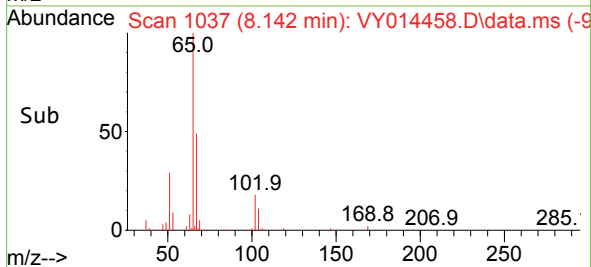
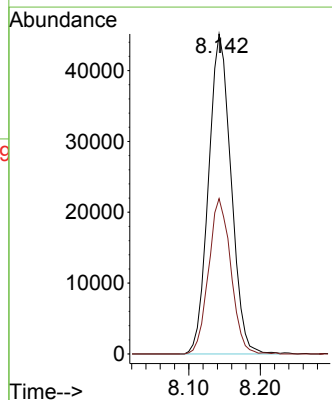
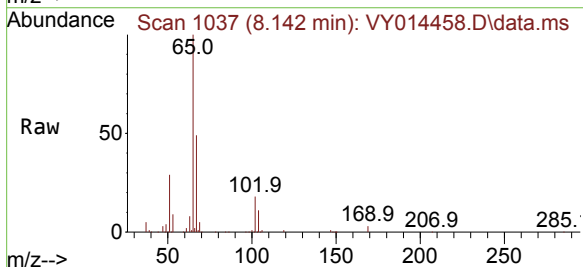
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(0-2)

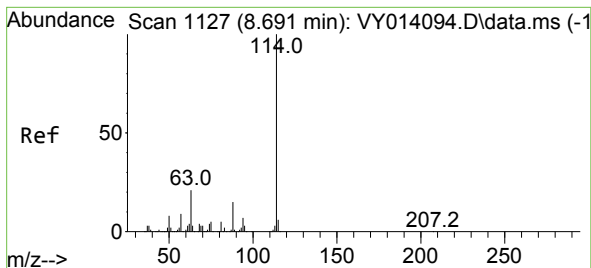
Tgt Ion: 56 Resp: 3078
Ion Ratio Lower Upper
56 100
69 189.4 27.8 41.6#
84 104.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 50.578 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014458.D
Acq: 27 Jun 2023 15:12

Tgt Ion: 65 Resp: 98746
Ion Ratio Lower Upper
65 100
67 48.0 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: VY014458.D

Acq: 27 Jun 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

SB-5(0-2)

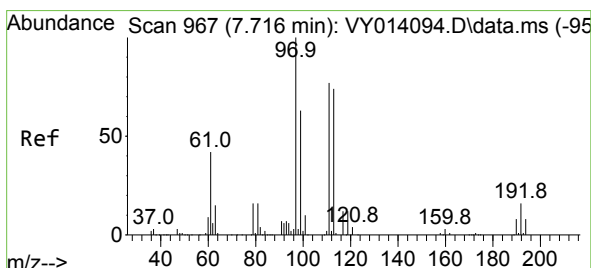
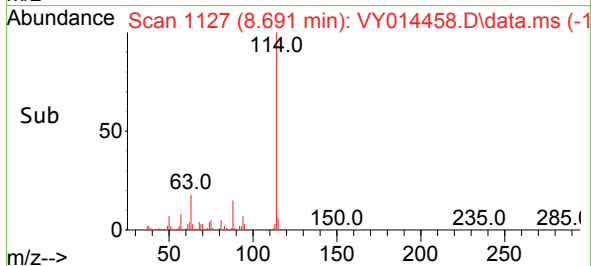
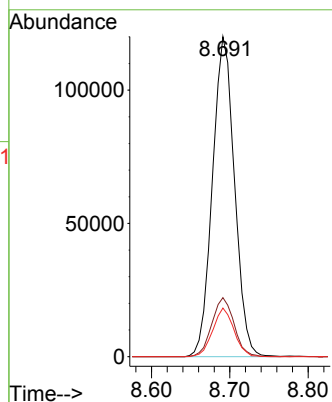
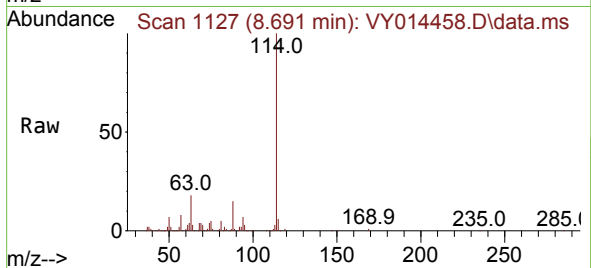
Tgt Ion:114 Resp: 235086

Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.678 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014458.D

Acq: 27 Jun 2023 15:12

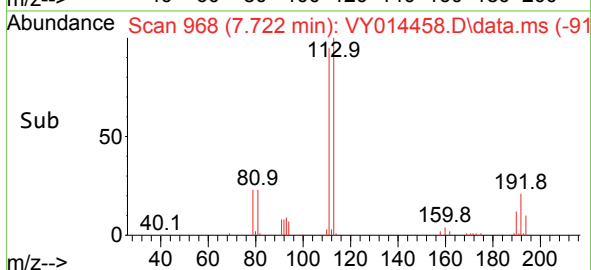
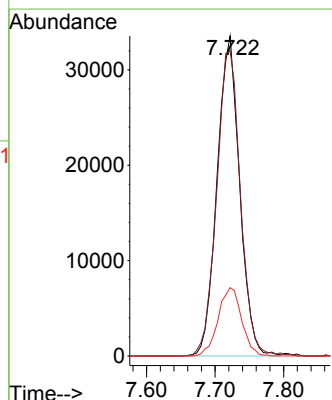
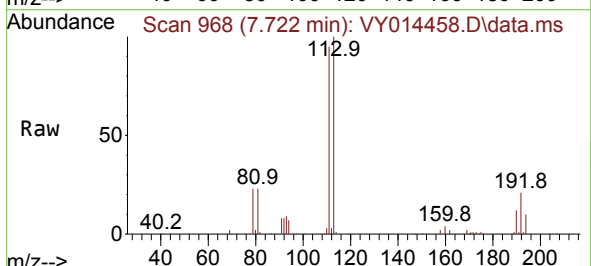
Tgt Ion:113 Resp: 76510

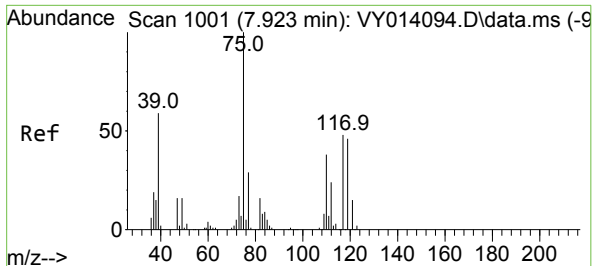
Ion Ratio Lower Upper

113 100

111 100.9 81.3 121.9

192 22.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.125 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY014458.D

Acq: 27 Jun 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

SB-5(0-2)

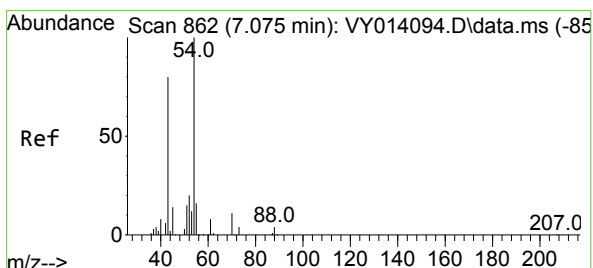
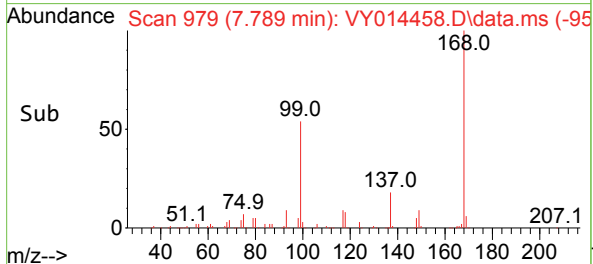
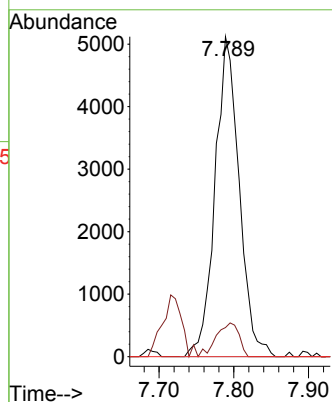
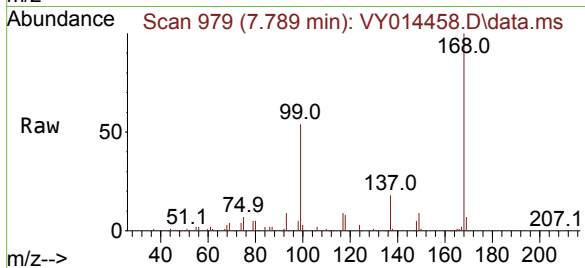
Tgt Ion: 75 Resp: 11470

Ion Ratio Lower Upper

75 100

110 9.9 17.8 53.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 2.357 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.091 min

Lab File: VY014458.D

Acq: 27 Jun 2023 15:12

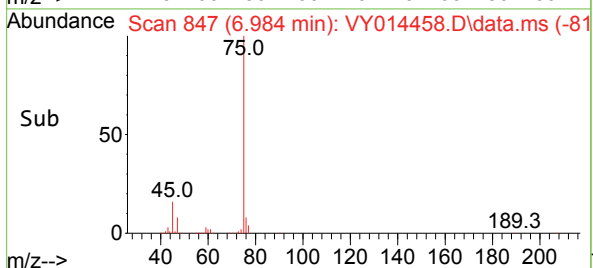
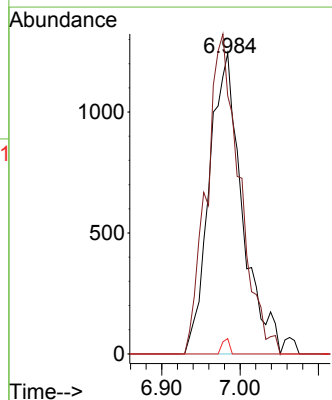
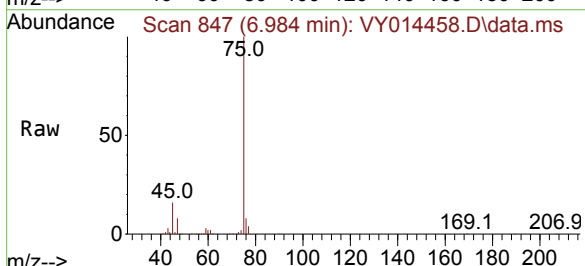
Tgt Ion: 43 Resp: 3635

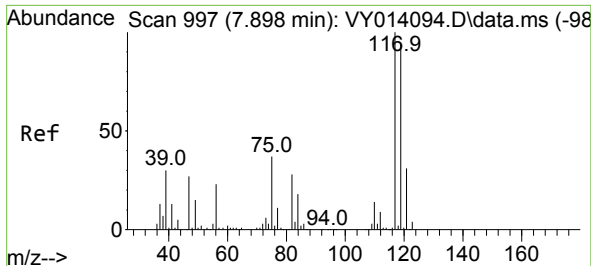
Ion Ratio Lower Upper

43 100

61 106.7 10.1 15.1#

70 1.1 7.1 10.7#

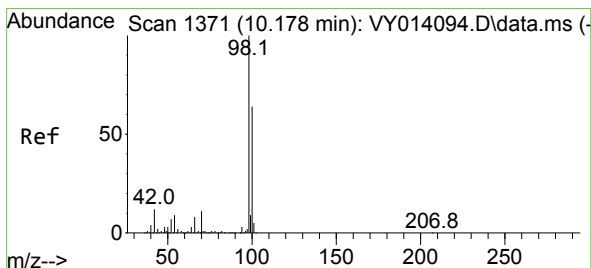
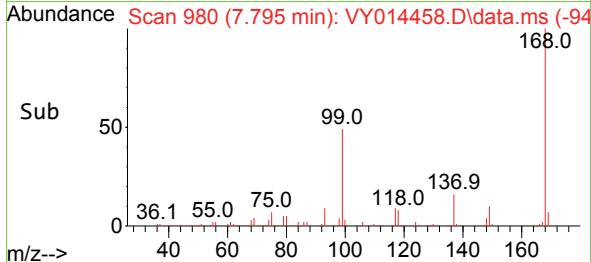
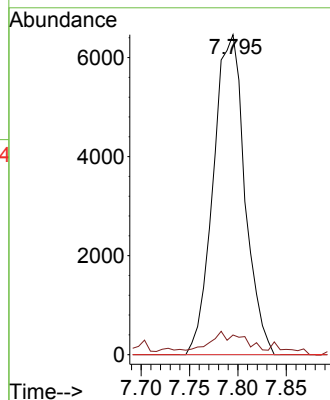
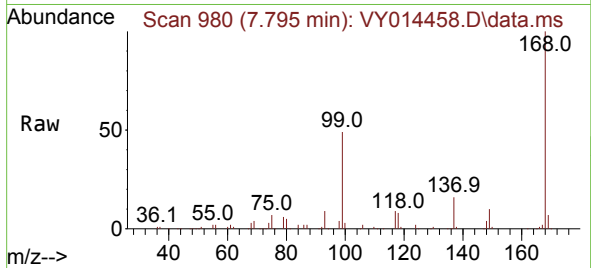




#38
Carbon Tetrachloride
Concen: 5.209 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014458.D
Acq: 27 Jun 2023 15:12

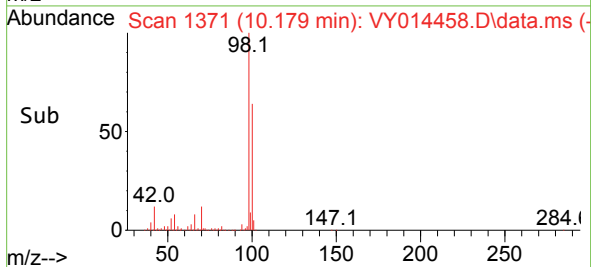
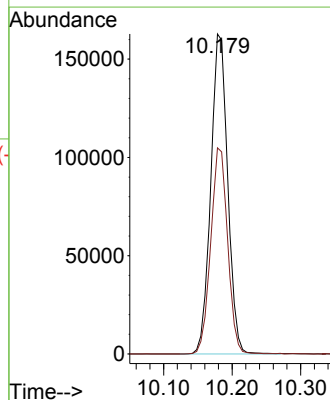
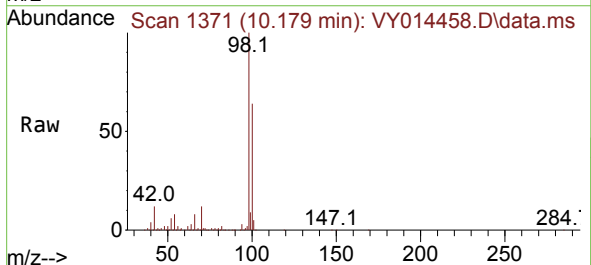
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SB-5(0-2)

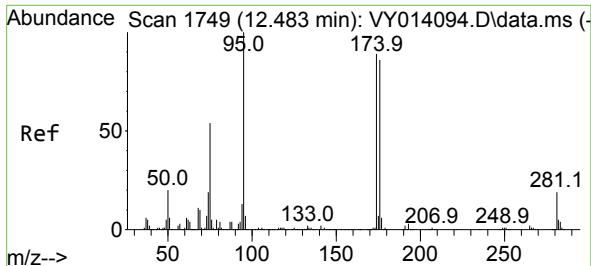
Tgt Ion:117 Resp: 14672
Ion Ratio Lower Upper
117 100
119 4.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.457 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014458.D
Acq: 27 Jun 2023 15:12

Tgt Ion: 98 Resp: 279766
Ion Ratio Lower Upper
98 100
100 64.3 50.1 75.1

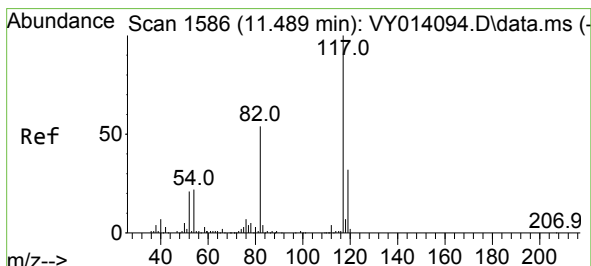
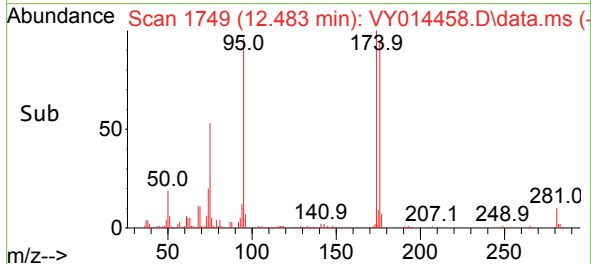
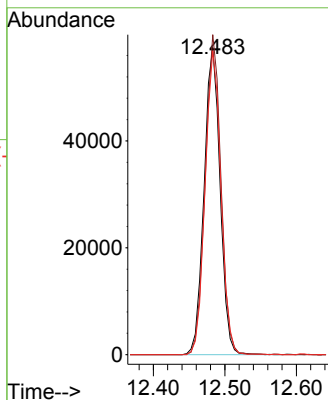
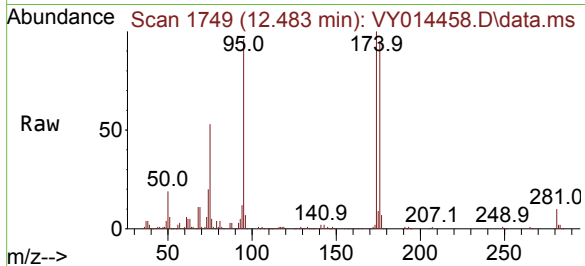




#62
4-Bromofluorobenzene
Concen: 43.339 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014458.D
Acq: 27 Jun 2023 15:12

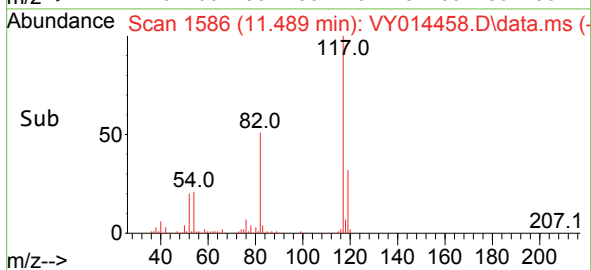
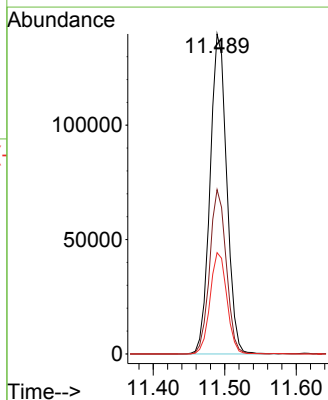
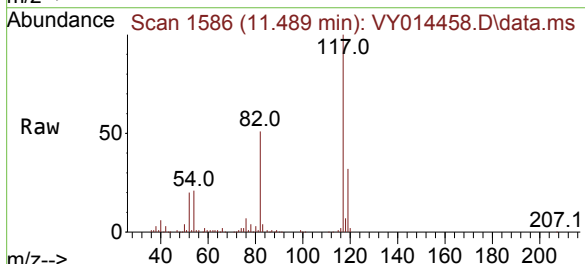
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(0-2)

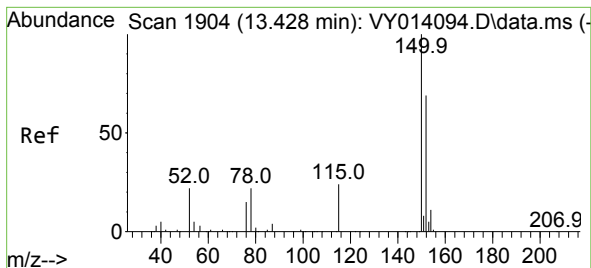
Tgt Ion: 95 Resp: 89330
Ion Ratio Lower Upper
95 100
174 102.5 0.0 178.2
176 97.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014458.D
Acq: 27 Jun 2023 15:12

Tgt Ion: 117 Resp: 226516
Ion Ratio Lower Upper
117 100
82 51.4 43.4 65.0
119 31.7 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: VY014458.D

Acq: 27 Jun 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

SB-5(0-2)

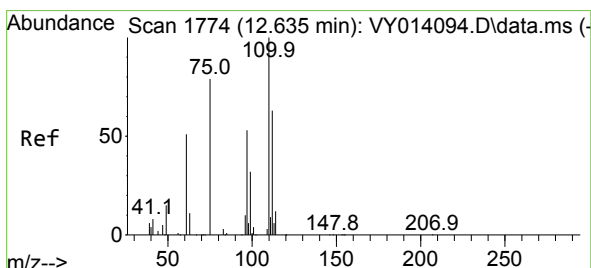
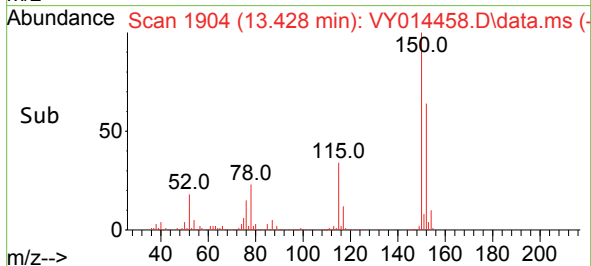
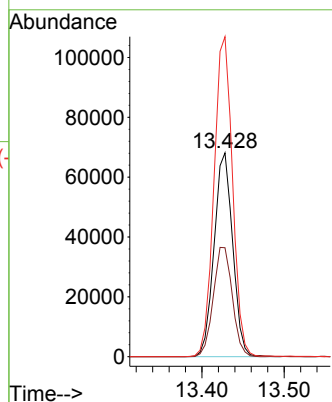
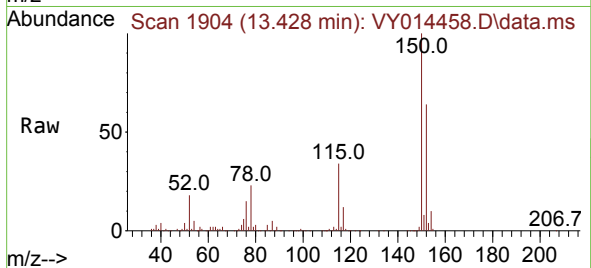
Tgt Ion:152 Resp: 106991

Ion Ratio Lower Upper

152 100

115 54.7 28.8 86.5

150 156.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.035 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014458.D

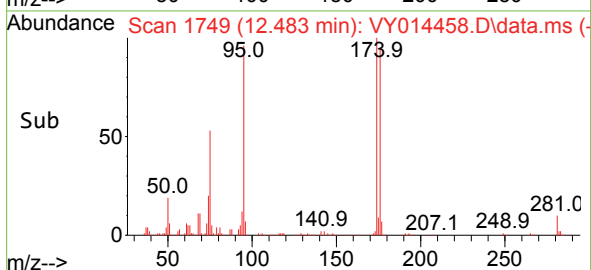
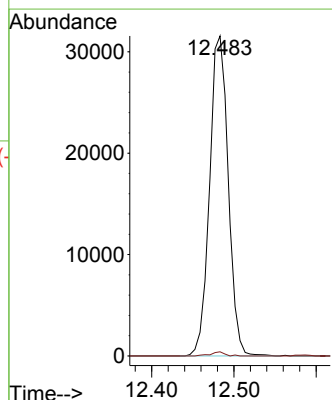
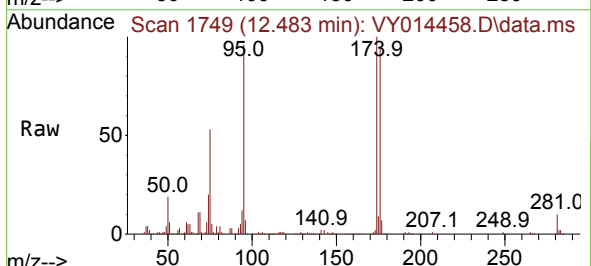
Acq: 27 Jun 2023 15:12

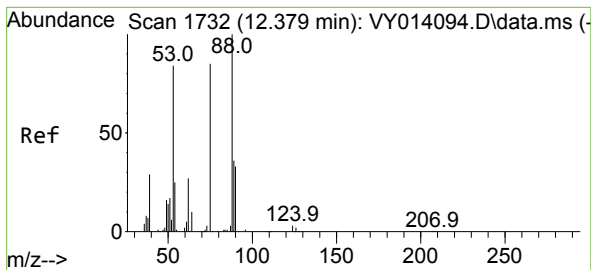
Tgt Ion: 75 Resp: 49705

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.316 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014458.D
 Acq: 27 Jun 2023 15:12

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

Tgt Ion: 75 Resp: 49705
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.1 37.4 56.0#

