

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
 Data File : VY015872.D
 Acq On : 06 Oct 2023 19:08
 Operator : SY/MD
 Sample : 04778-04
 Misc : 6.92g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 07 07:31:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 05:54:04 2023
 Response via : Initial Calibration

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

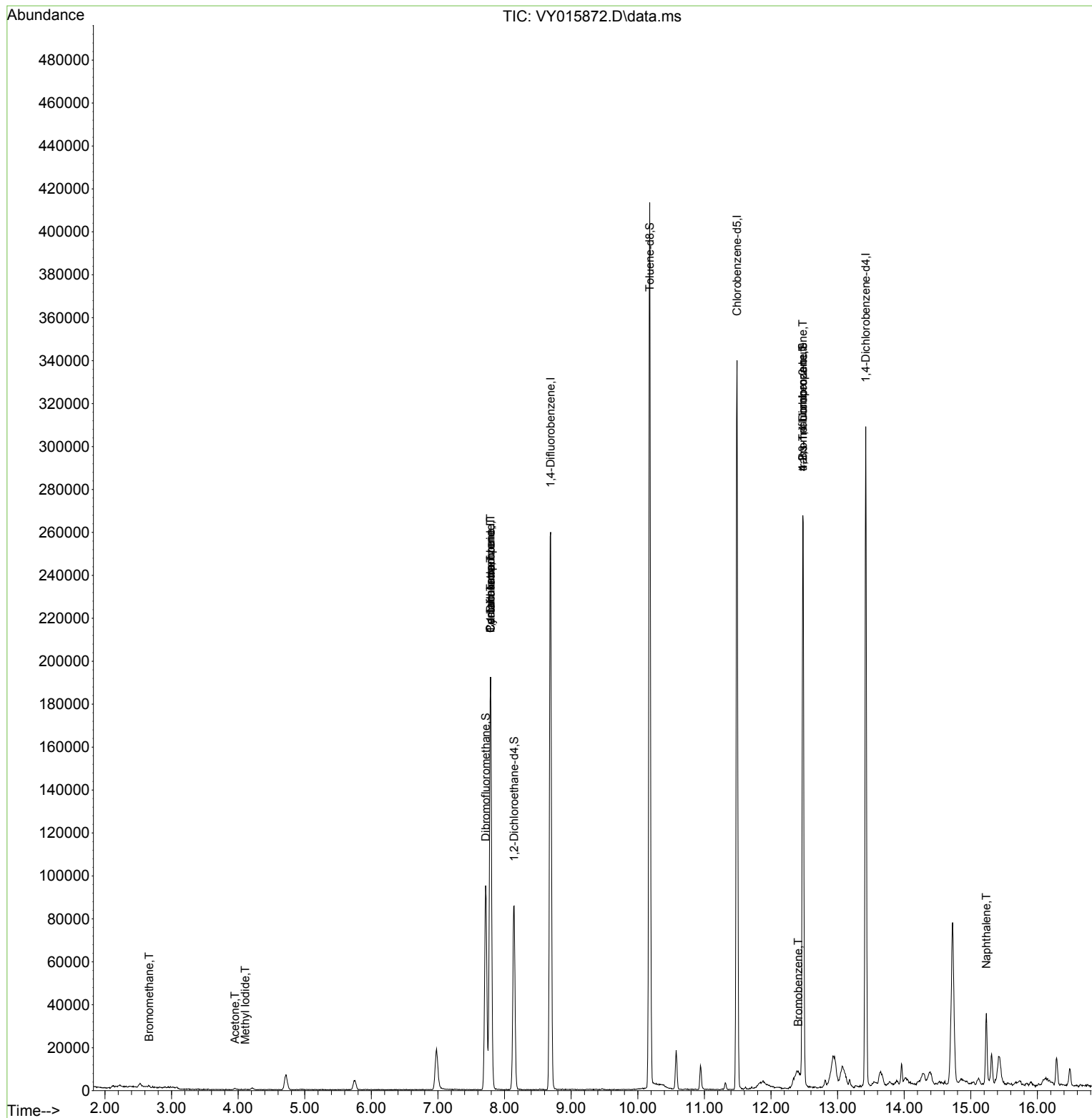
Internal Standards						
1) Pentafluorobenzene	7.789	168	150710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	229828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	184899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	78020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	68534	46.221	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.440%		
35) Dibromofluoromethane	7.716	113	66656	50.881	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.760%		
50) Toluene-d8	10.179	98	264092	62.091	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	124.180%		
62) 4-Bromofluorobenzene	12.477	95	76772	44.159	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	88.320%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	252	1.185	ug/l	96
10) Methyl Iodide	4.107	142	184	3.254	ug/l #	38
11) Tert butyl alcohol	4.948	59	360	Below Cal	#	89
16) Acetone	3.954	43	987	1.285	ug/l	99
20) Methylene Chloride	4.716	84	5404	Below Cal	#	82
31) Cyclohexane	7.789	56	2983	1.785	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	11602	7.423	ug/l #	51
38) Carbon Tetrachloride	7.789	117	14931	8.125	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	40843	35.363	ug/l #	100
77) Bromobenzene	12.410	156	8837	7.068	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	40843	81.861	ug/l #	11
95) Naphthalene	15.233	128	27305	6.673	ug/l	99

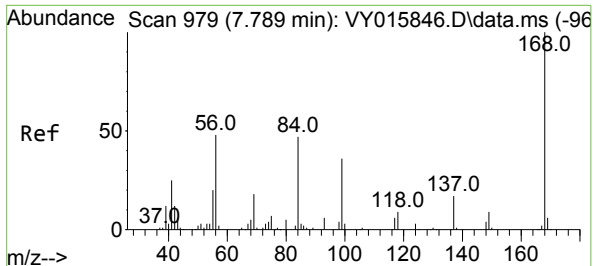
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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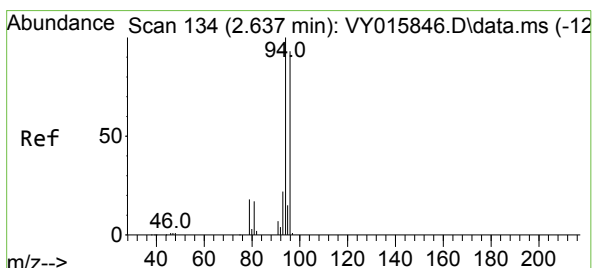
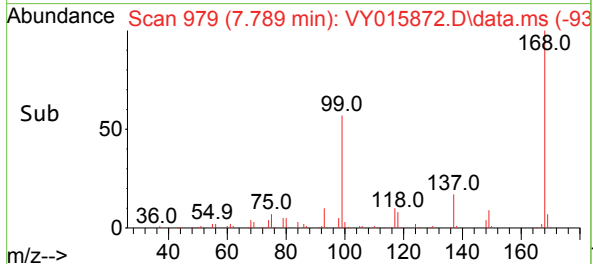
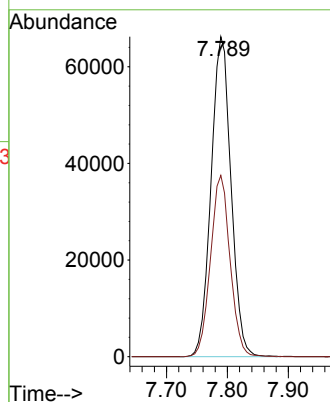
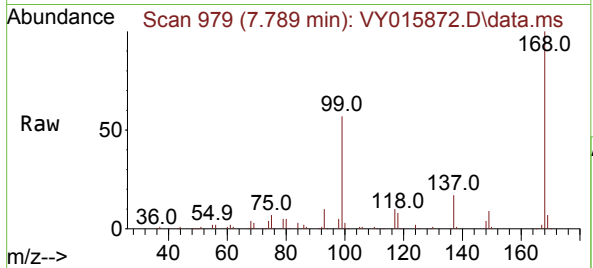




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015872.D
Acq: 06 Oct 2023 19:08

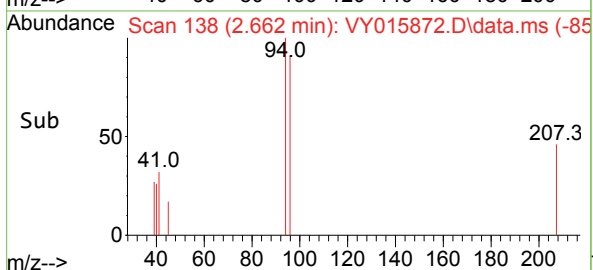
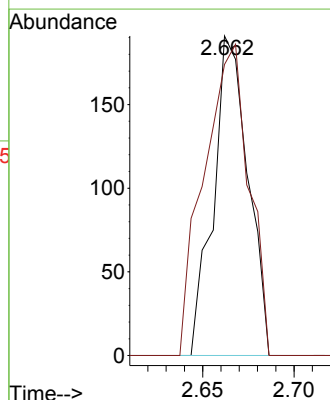
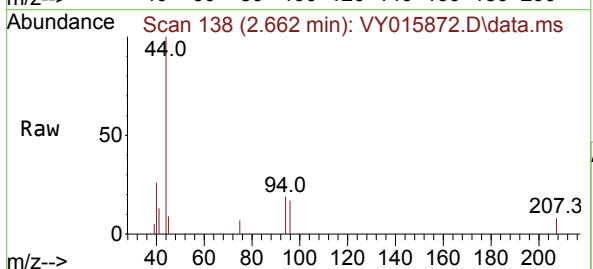
Instrument :
MSVOA_Y
ClientSampleId :

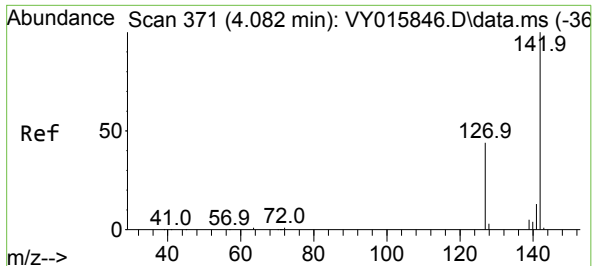
Tgt Ion:168 Resp: 150710
Ion Ratio Lower Upper
168 100
99 56.6 43.4 65.0



#5
Bromomethane
Concen: 1.185 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015872.D
Acq: 06 Oct 2023 19:08

Tgt Ion: 94 Resp: 252
Ion Ratio Lower Upper
94 100
96 91.1 75.8 113.6

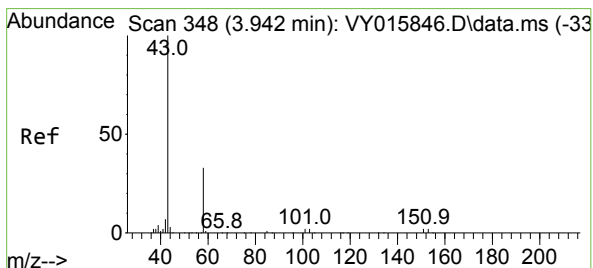
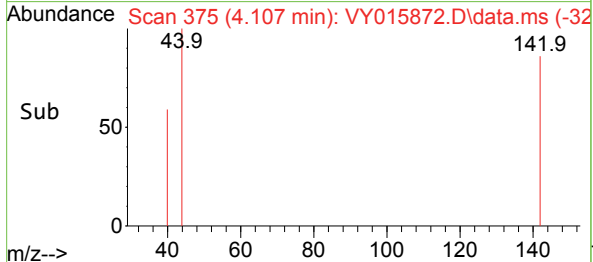
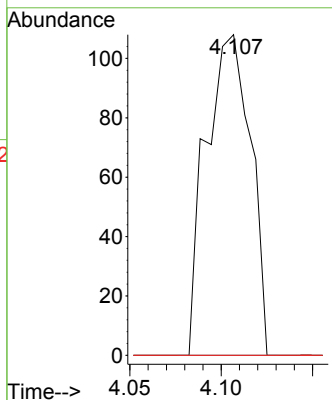
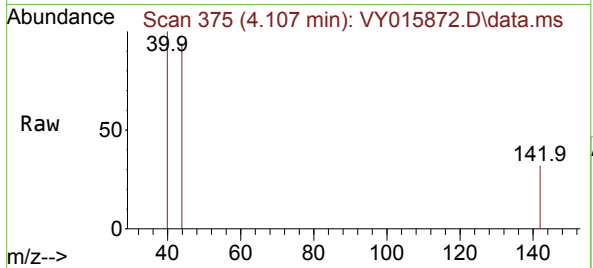




#10
Methyl Iodide
Concen: 3.254 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.025 min
Lab File: VY015872.D
Acq: 06 Oct 2023 19:08

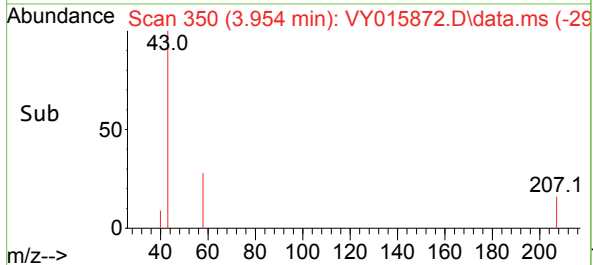
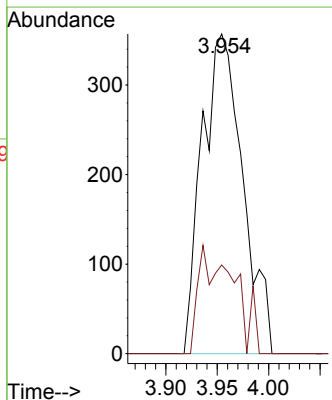
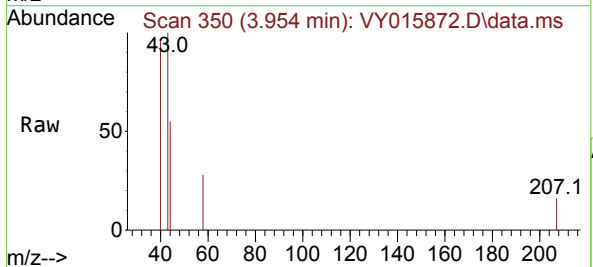
Instrument :
MSVOA_Y
ClientSampleId :

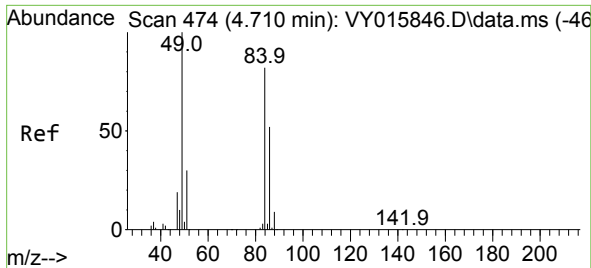
Tgt Ion:142 Resp: 184
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 1.285 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015872.D
Acq: 06 Oct 2023 19:08

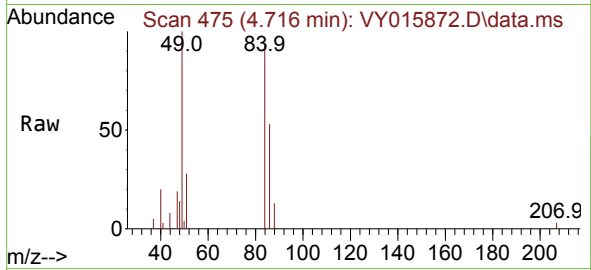
Tgt Ion: 43 Resp: 987
Ion Ratio Lower Upper
43 100
58 27.7 22.7 34.1



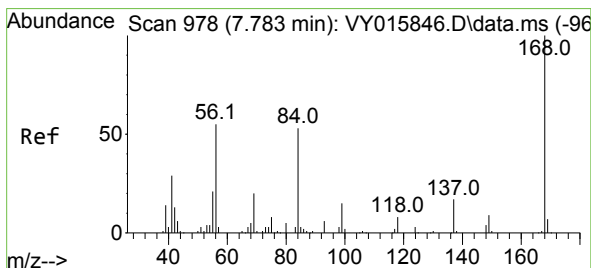
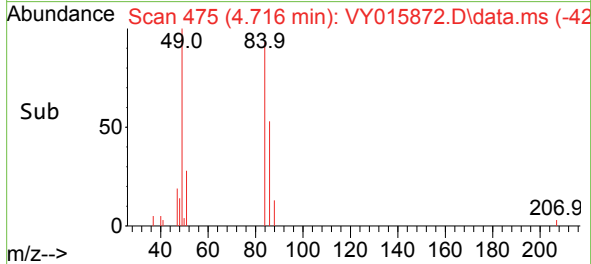
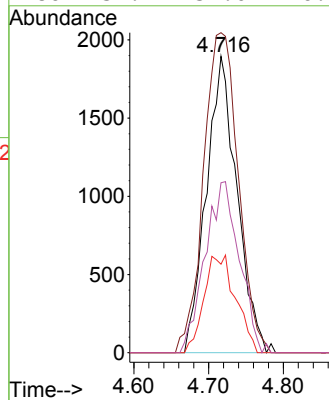


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015872.D
Acq: 06 Oct 2023 19:08

Instrument :
MSVOA_Y
ClientSampleId :

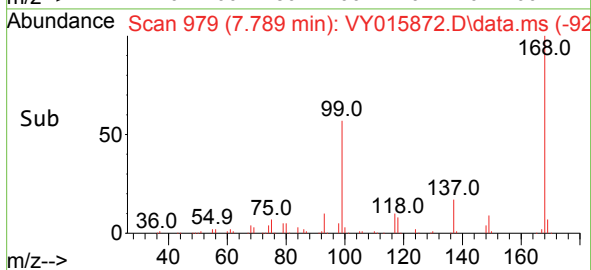
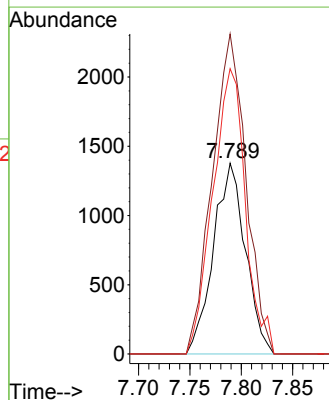
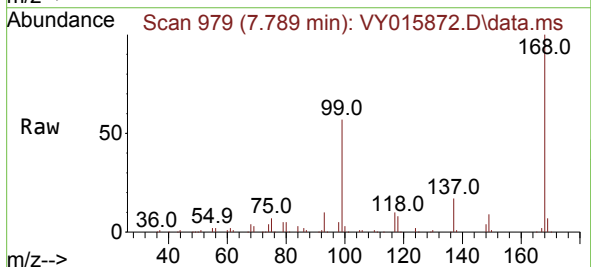


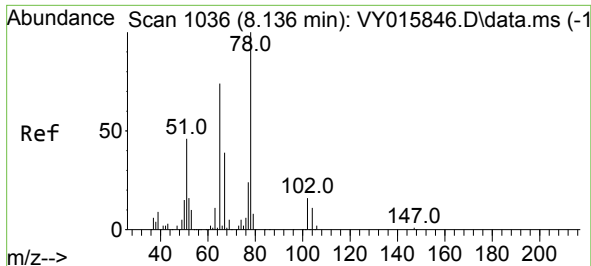
Tgt Ion: 84 Resp: 5404
Ion Ratio Lower Upper
84 100
49 108.0 106.9 160.3
51 29.9 33.2 49.8#
86 57.4 51.0 76.6



#31
Cyclohexane
Concen: 1.785 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY015872.D
Acq: 06 Oct 2023 19:08

Tgt Ion: 56 Resp: 2983
Ion Ratio Lower Upper
56 100
69 167.8 27.8 41.6#
84 149.6 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 46.221 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY015872.D

Acq: 06 Oct 2023 19:08

Instrument :

MSVOA_Y

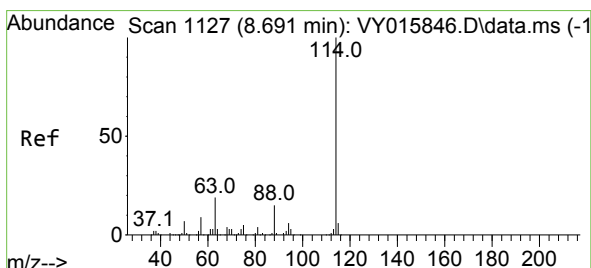
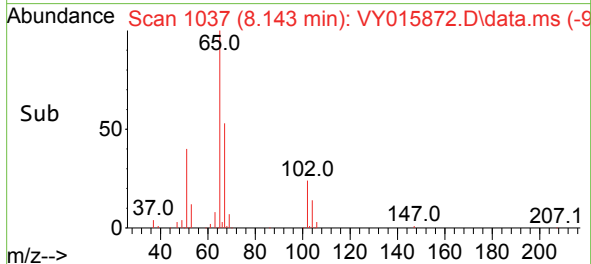
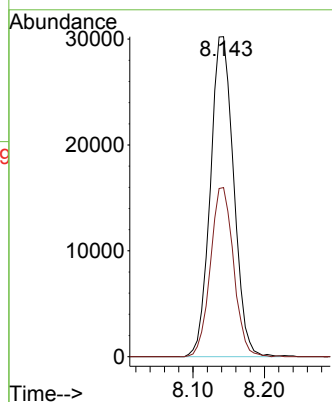
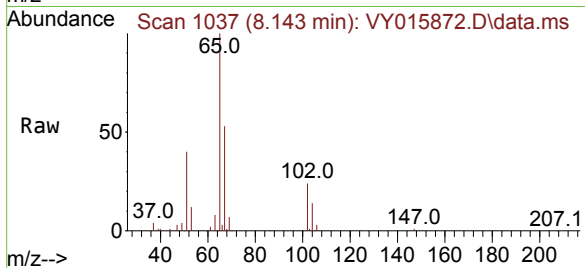
ClientSampleId :

Tgt Ion: 65 Resp: 68534

Ion Ratio Lower Upper

65 100

67 52.4 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: VY015872.D

Acq: 06 Oct 2023 19:08

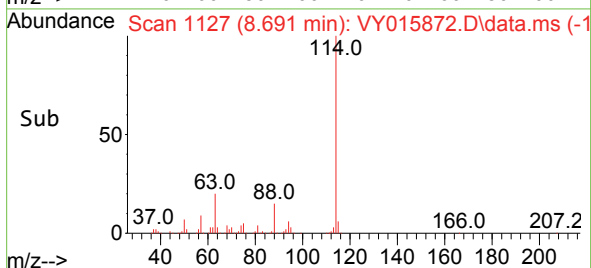
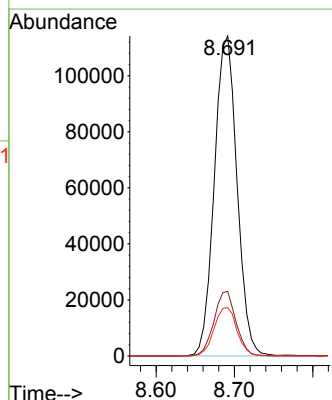
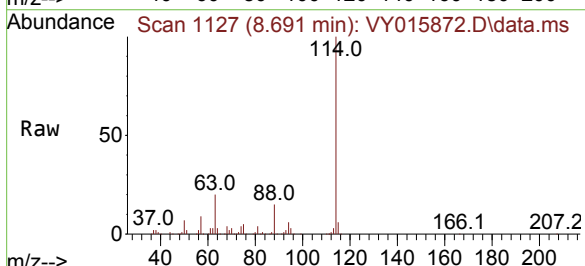
Tgt Ion:114 Resp: 229828

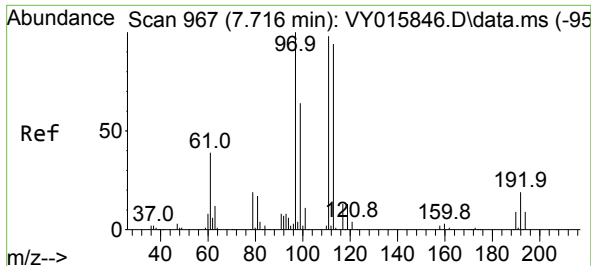
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

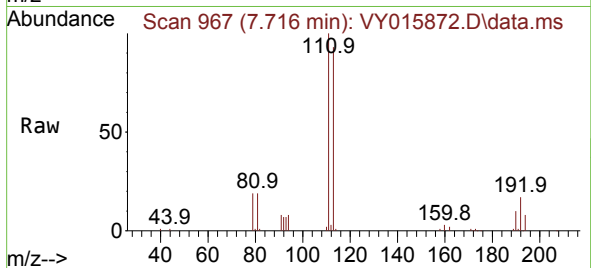
88 15.1 0.0 30.6



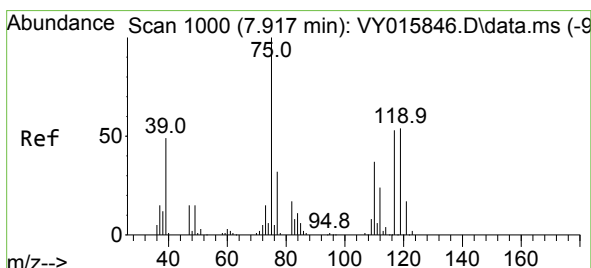
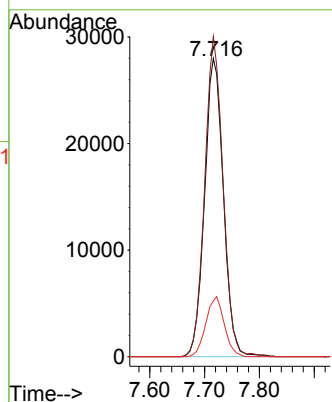
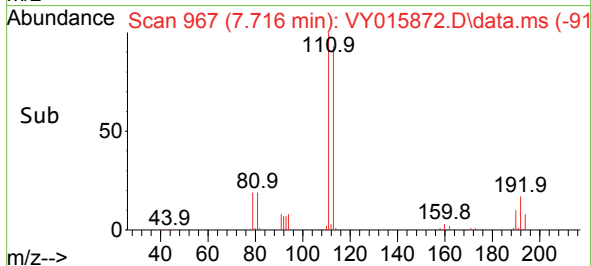


#35
Dibromofluoromethane
Concen: 50.881 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY015872.D
Acq: 06 Oct 2023 19:08

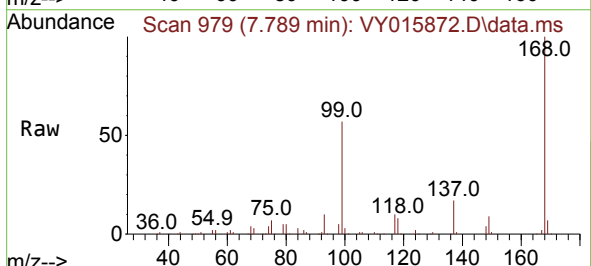
Instrument :
MSVOA_Y
ClientSampleId :



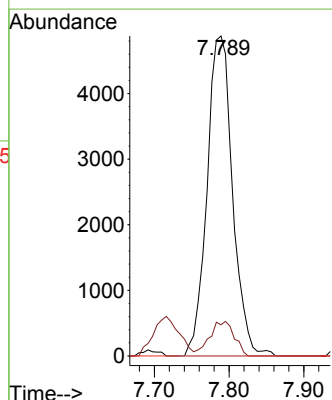
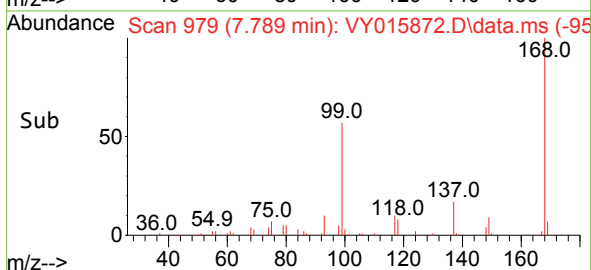
Tgt Ion:113 Resp: 66656
Ion Ratio Lower Upper
113 100
111 104.6 81.3 121.9
192 19.7 16.9 25.3

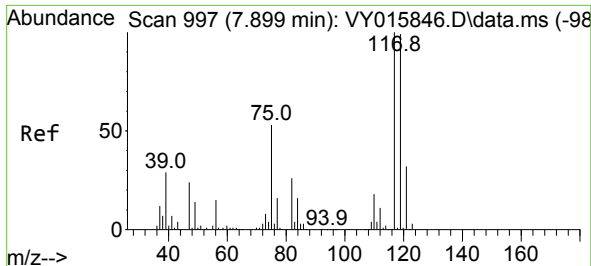


#36
1,1-Dichloropropene
Concen: 7.423 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY015872.D
Acq: 06 Oct 2023 19:08



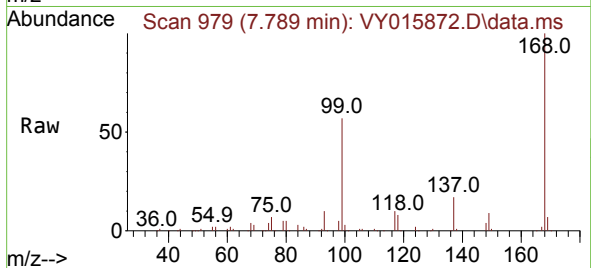
Tgt Ion: 75 Resp: 11602
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.5#
77 0.0 24.4 36.6#



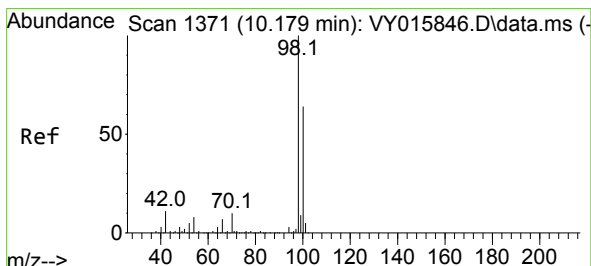
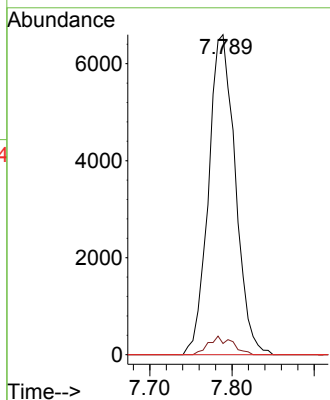
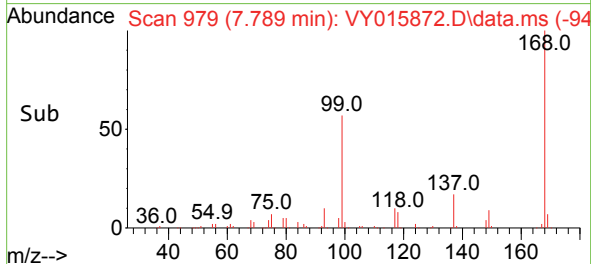


#38
Carbon Tetrachloride
Concen: 8.125 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015872.D
Acq: 06 Oct 2023 19:08

Instrument :
MSVOA_Y
ClientSampleId :

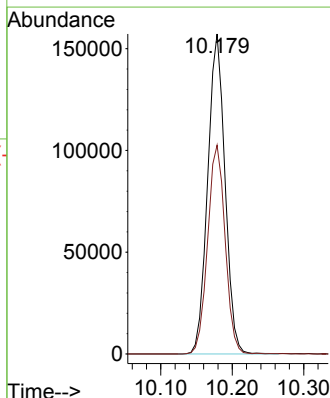
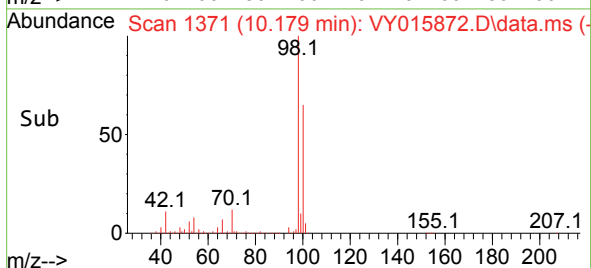
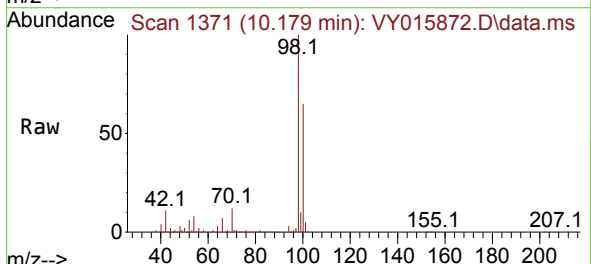


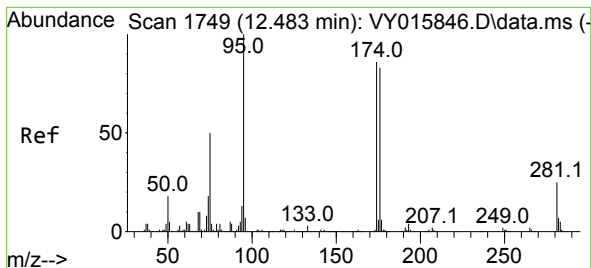
Tgt Ion:117 Resp: 14931
Ion Ratio Lower Upper
117 100
119 3.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 62.091 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015872.D
Acq: 06 Oct 2023 19:08

Tgt Ion: 98 Resp: 264092
Ion Ratio Lower Upper
98 100
100 65.9 50.1 75.1

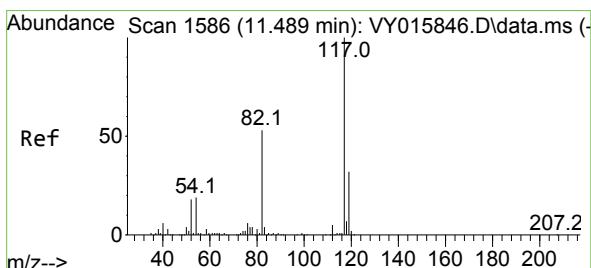
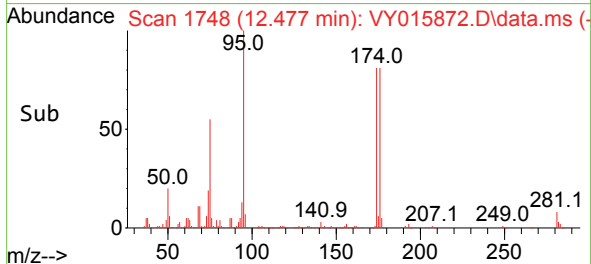
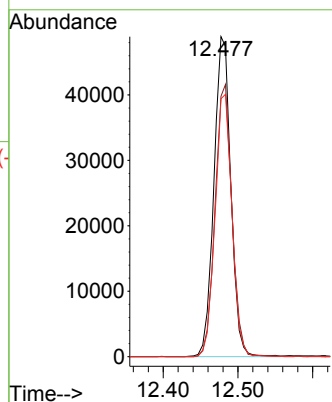
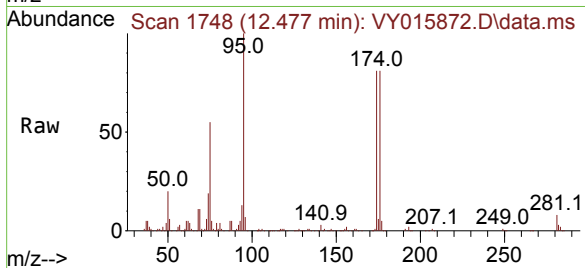




#62
4-Bromofluorobenzene
Concen: 44.159 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015872.D
Acq: 06 Oct 2023 19:08

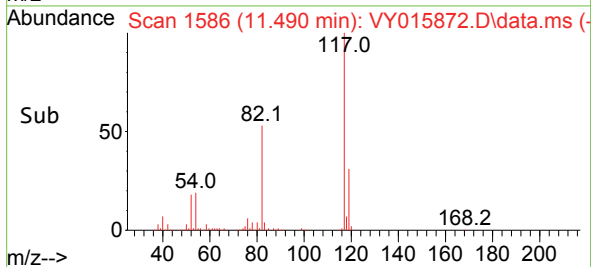
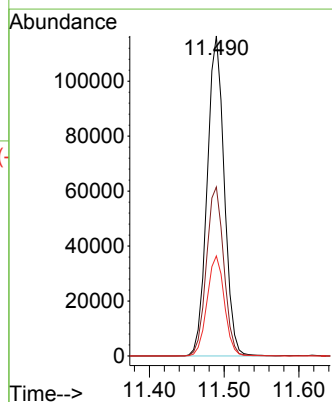
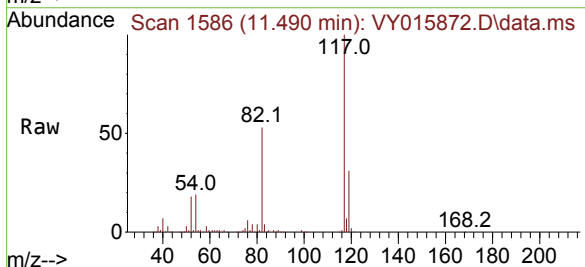
Instrument :
MSVOA_Y
ClientSampleId :

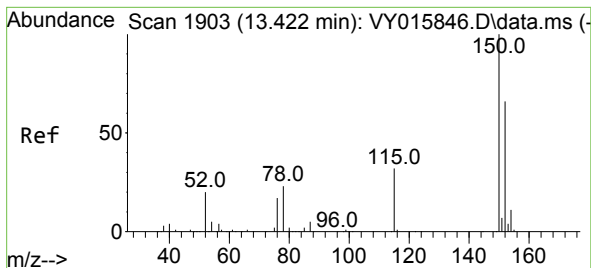
Tgt Ion: 95 Resp: 76772
Ion Ratio Lower Upper
95 100
174 84.6 0.0 178.2
176 82.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015872.D
Acq: 06 Oct 2023 19:08

Tgt Ion: 117 Resp: 184899
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 31.3 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

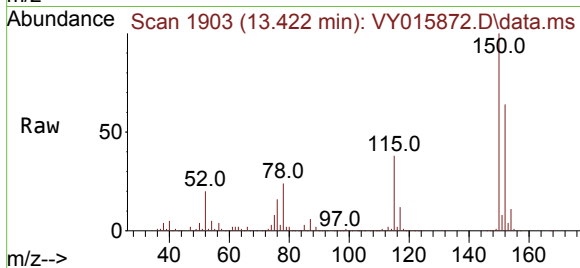
Lab File: VY015872.D

Acq: 06 Oct 2023 19:08

Instrument :

MSVOA_Y

ClientSampleId :



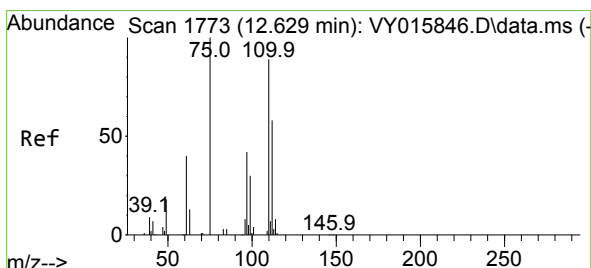
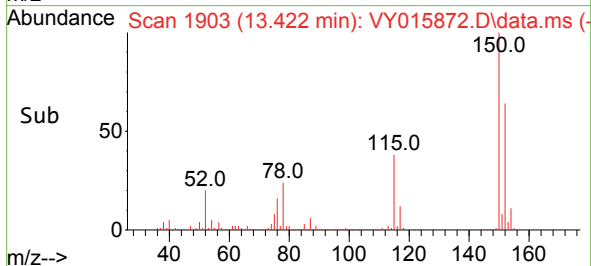
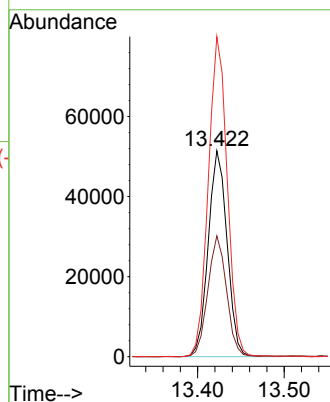
Tgt Ion:152 Resp: 78020

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 155.7 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 35.363 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015872.D

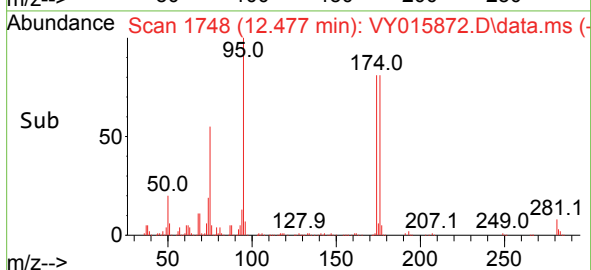
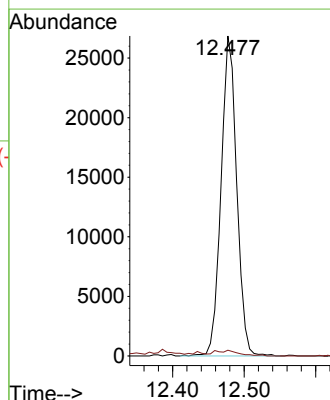
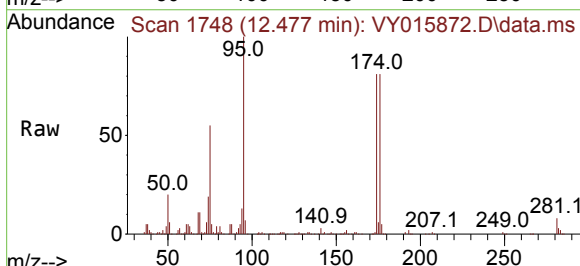
Acq: 06 Oct 2023 19:08

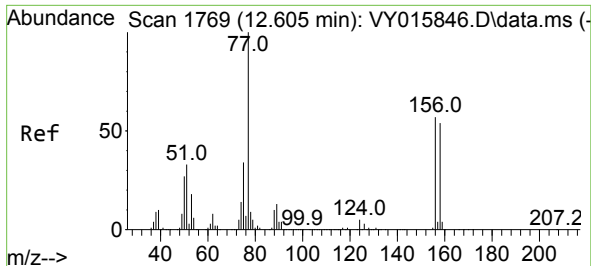
Tgt Ion: 75 Resp: 40843

Ion Ratio Lower Upper

75 100

77 2.7 0.0 0.0#

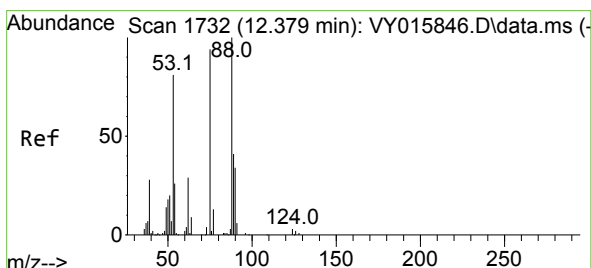
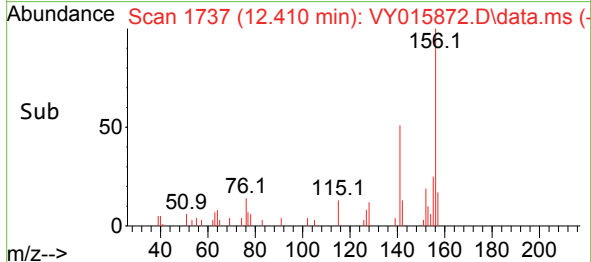
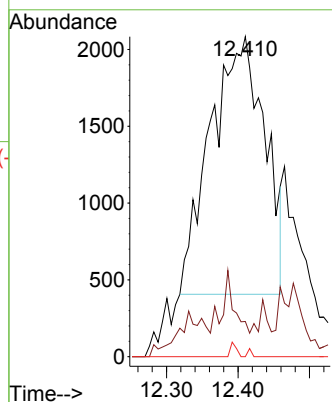
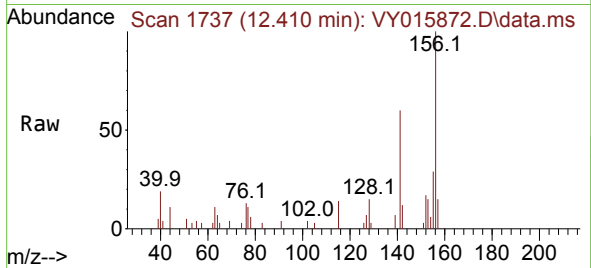




#77
Bromobenzene
Concen: 7.068 ug/l
RT: 12.410 min Scan# 1769
Delta R.T. -0.195 min
Lab File: VY015872.D
Acq: 06 Oct 2023 19:08

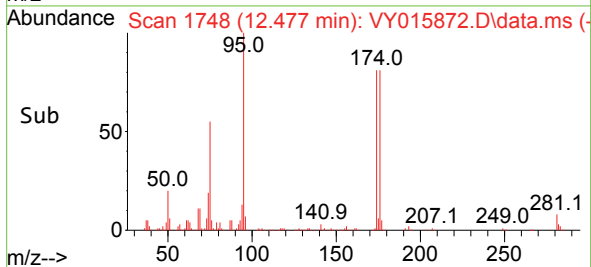
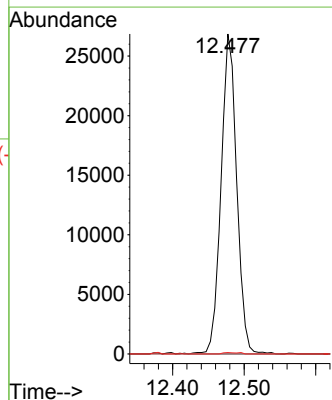
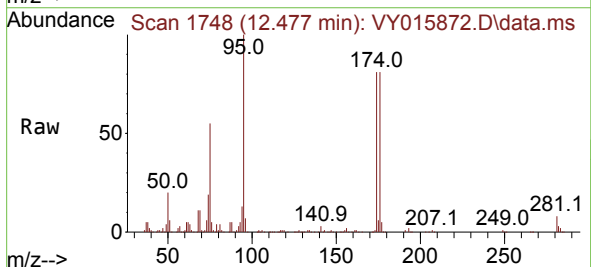
Instrument :
MSVOA_Y
ClientSampleId :

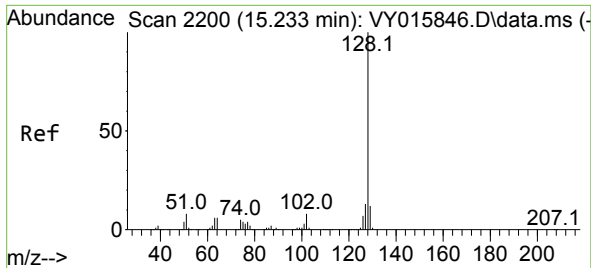
Tgt Ion:156 Resp: 8837
Ion Ratio Lower Upper
156 100
77 0.0 92.8 278.6#
158 0.2 48.4 145.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.861 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY015872.D
Acq: 06 Oct 2023 19:08

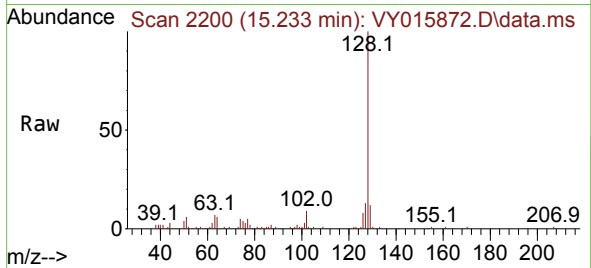
Tgt Ion: 75 Resp: 40843
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.5 37.4 56.0#





#95
 Naphthalene
 Concen: 6.673 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY015872.D
 Acq: 06 Oct 2023 19:08

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	27305
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	11.7	8.6	13.0

