

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101023\
 Data File : VY015890.D
 Acq On : 10 Oct 2023 12:33
 Operator : SY/MD
 Sample : 04804-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 11 01:18:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

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

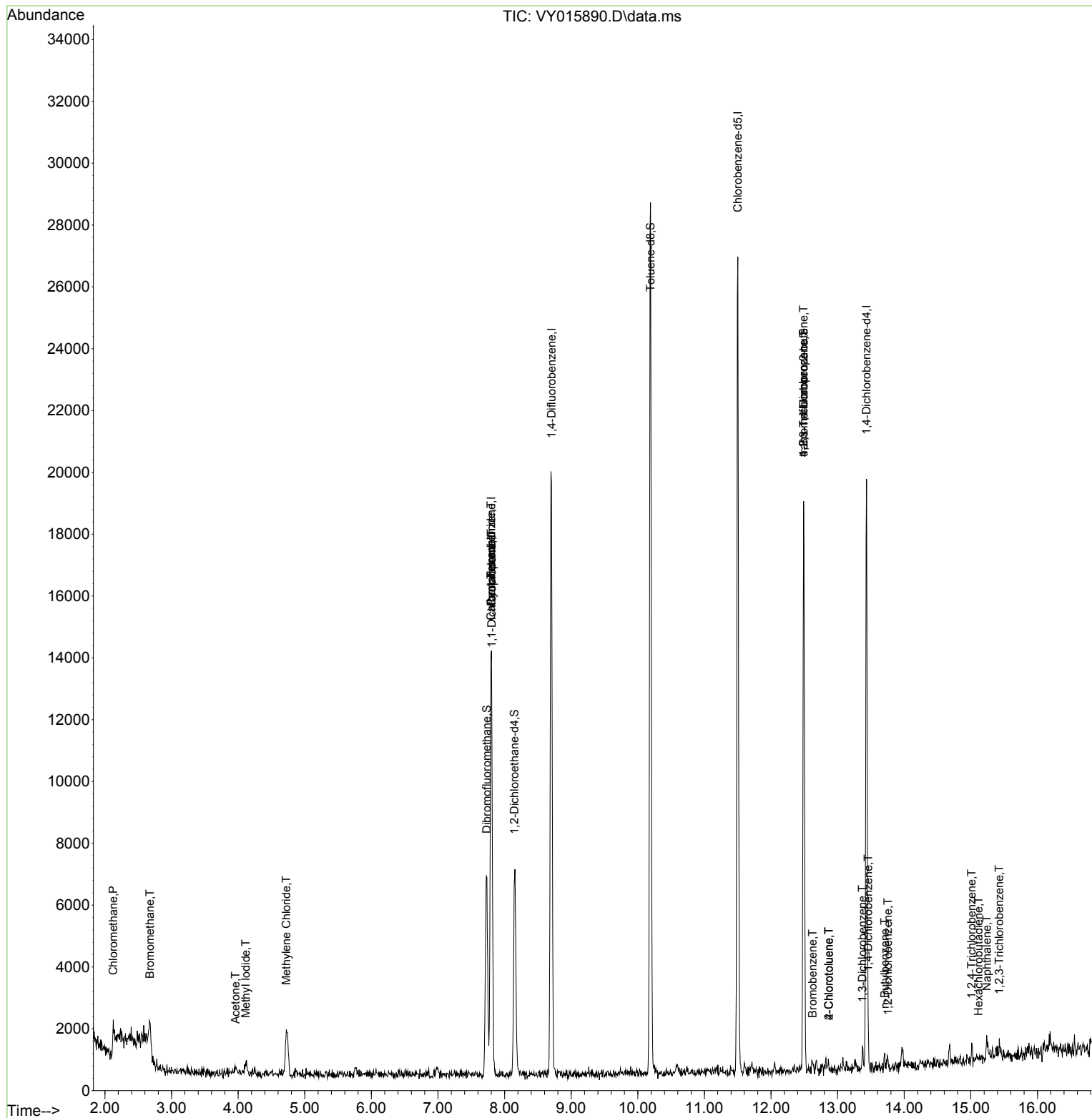
Internal Standards						
1) Pentafluorobenzene	7.801	168	11463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	17901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	15128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	5144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	5927	57.463	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.920%
35) Dibromofluoromethane	7.734	113	5150	51.579	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.160%
50) Toluene-d8	10.191	98	19466	59.155	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	118.300%
62) 4-Bromofluorobenzene	12.489	95	5313	39.750	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.500%
Target Compounds						
						Qvalue
3) Chloromethane	2.125	50	226	4.819	ug/l	91
5) Bromomethane	2.674	94	445	9.073	ug/l	82
10) Methyl Iodide	4.113	142	766	10.718	ug/l #	59
16) Acetone	3.960	43	391	13.577	ug/l	92
20) Methylene Chloride	4.722	84	1239	2.602	ug/l #	69
31) Cyclohexane	7.801	56	203	1.838	ug/l #	95
36) 1,1-Dichloropropene	7.807	75	966	8.736	ug/l #	41
38) Carbon Tetrachloride	7.795	117	1005	7.568	ug/l #	12
76) 1,2,3-Trichloropropane	12.489	75	2818	46.928	ug/l #	100
77) Bromobenzene	12.623	156	108	1.357	ug/l	87
79) 2-Chlorotoluene	12.867	91	283	1.273	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.489	75	2818	104.062	ug/l #	10
82) 4-Chlorotoluene	12.867	91	283	1.222	ug/l	89
87) 1,3-Dichlorobenzene	13.373	146	331	2.066	ug/l	84
88) 1,4-Dichlorobenzene	13.459	146	361	2.238	ug/l	91
89) n-Butylbenzene	13.709	91	289	1.009	ug/l #	81
91) 1,2-Dichlorobenzene	13.757	146	350	2.351	ug/l #	72
93) 1,2,4-Trichlorobenzene	15.013	180	203	2.127	ug/l #	74
94) Hexachlorobutadiene	15.117	225	91	1.781	ug/l #	41
95) Naphthalene	15.239	128	861	3.900	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.428	180	139	1.637	ug/l #	29

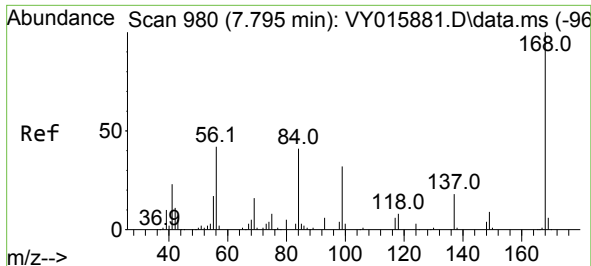
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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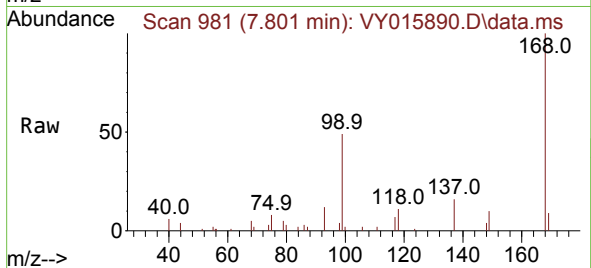
Quant Time: Oct 11 01:18:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 10 07:06:18 2023
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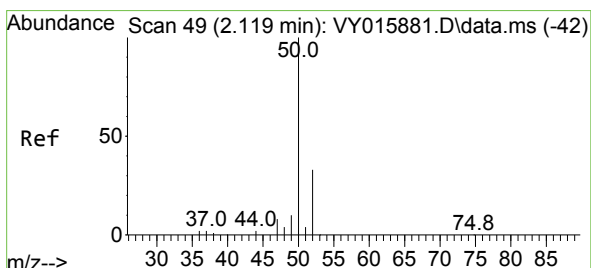
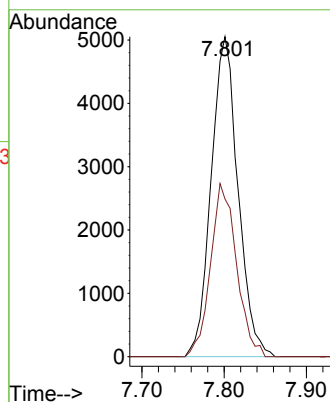
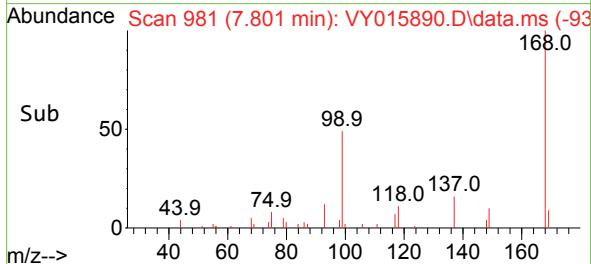


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

Instrument :
MSVOA_Y
ClientSampleId :

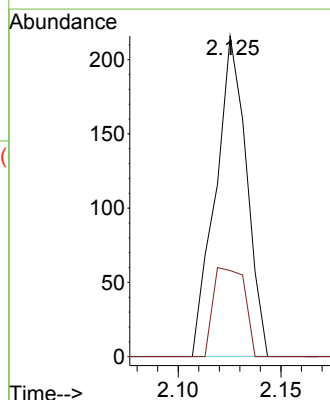
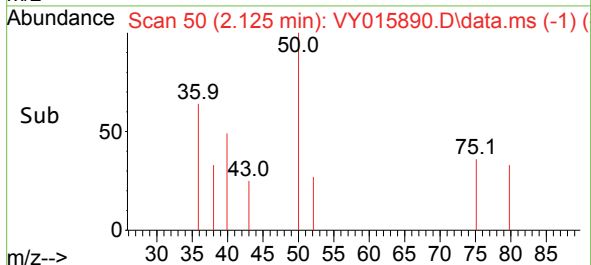
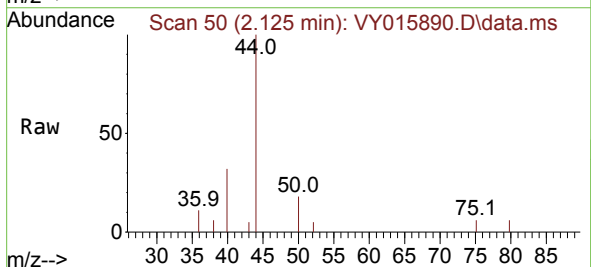


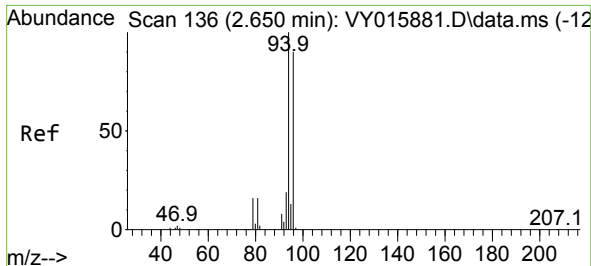
Tgt Ion:168 Resp: 11463
Ion Ratio Lower Upper
168 100
99 49.3 43.4 65.0



#3
Chloromethane
Concen: 4.819 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

Tgt Ion: 50 Resp: 226
Ion Ratio Lower Upper
50 100
52 26.9 25.4 38.2

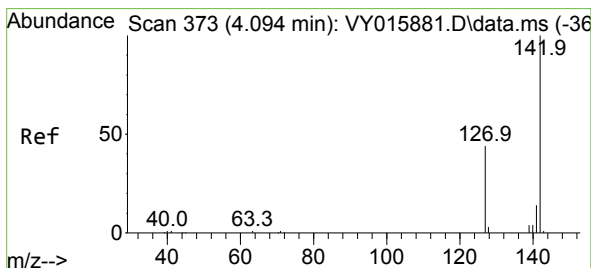
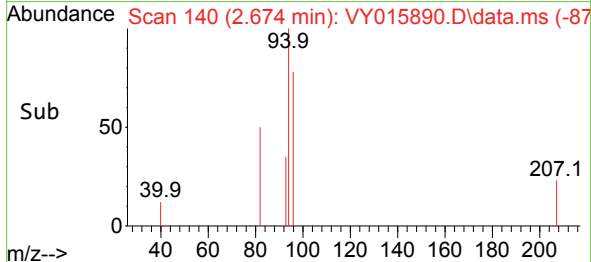
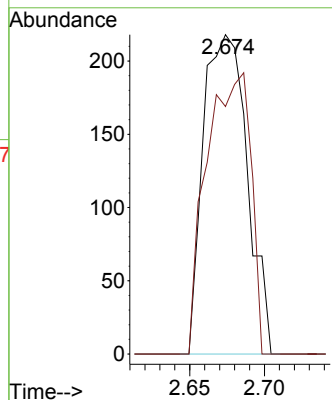
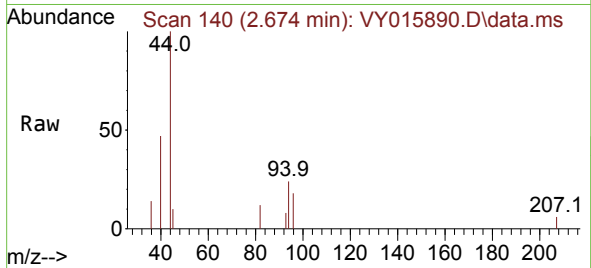




#5
Bromomethane
Concen: 9.073 ug/l
RT: 2.674 min Scan# 14
Delta R.T. 0.024 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

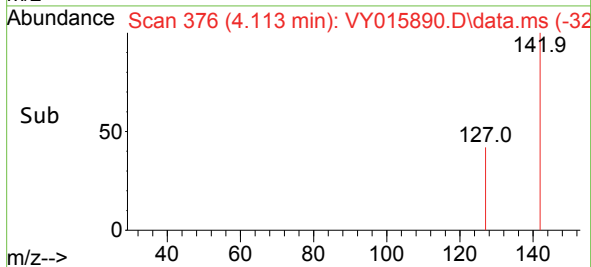
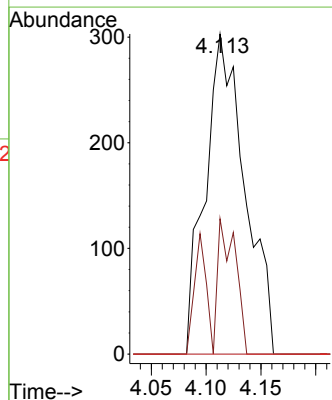
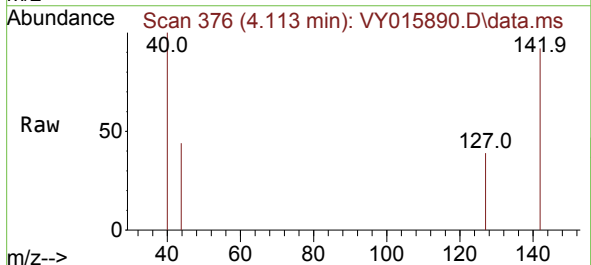
Instrument :
MSVOA_Y
ClientSampleId :

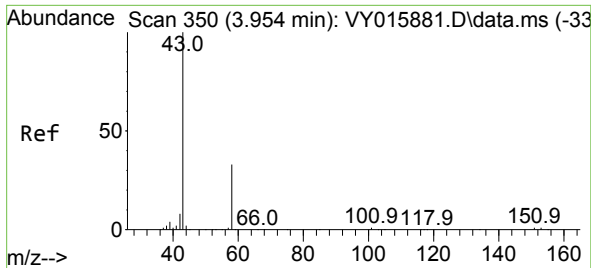
Tgt Ion: 94 Resp: 445
Ion Ratio Lower Upper
94 100
96 77.5 75.8 113.6



#10
Methyl Iodide
Concen: 10.718 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.019 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

Tgt Ion:142 Resp: 766
Ion Ratio Lower Upper
142 100
127 18.7 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 13.577 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY015890.D

Acq: 10 Oct 2023 12:33

Instrument :

MSVOA_Y

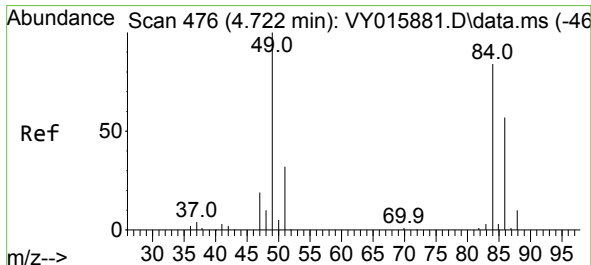
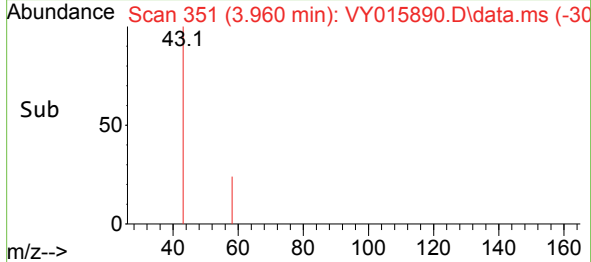
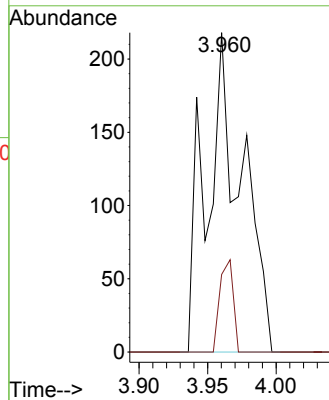
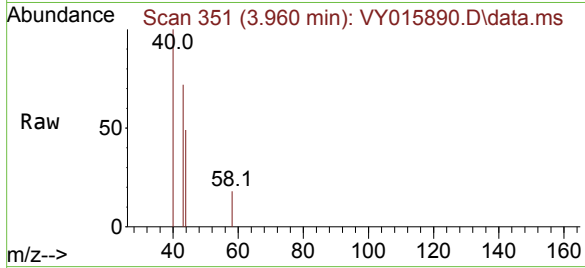
ClientSampleId :

Tgt Ion: 43 Resp: 391

Ion Ratio Lower Upper

43 100

58 24.3 22.7 34.1



#20

Methylene Chloride

Concen: 2.602 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.000 min

Lab File: VY015890.D

Acq: 10 Oct 2023 12:33

Tgt Ion: 84 Resp: 1239

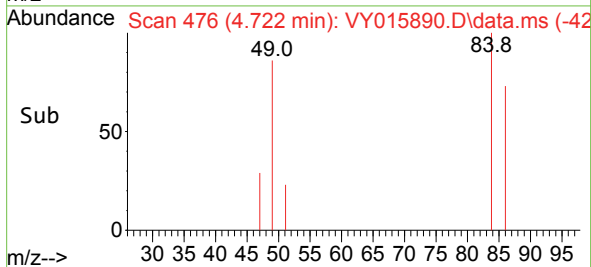
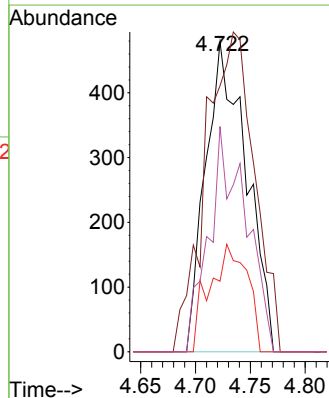
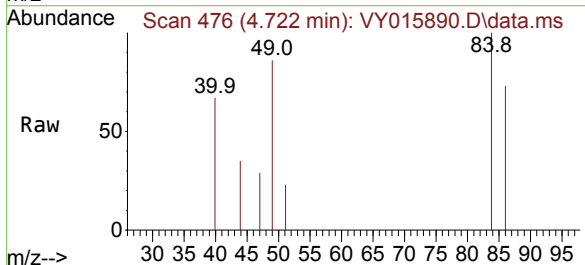
Ion Ratio Lower Upper

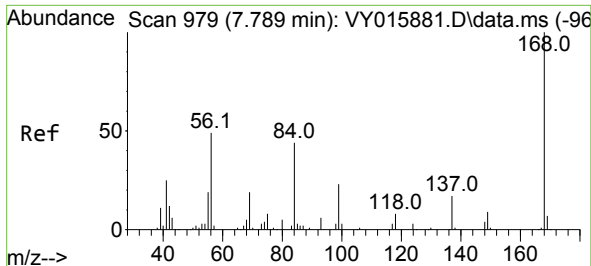
84 100

49 85.8 106.9 160.3#

51 22.8 33.2 49.8#

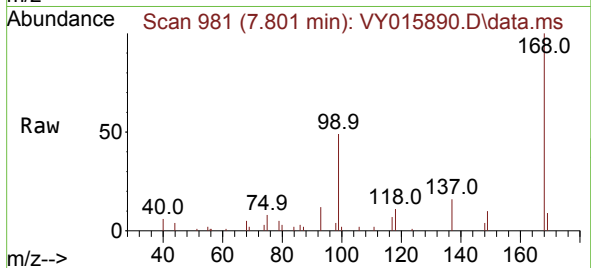
86 72.7 51.0 76.6



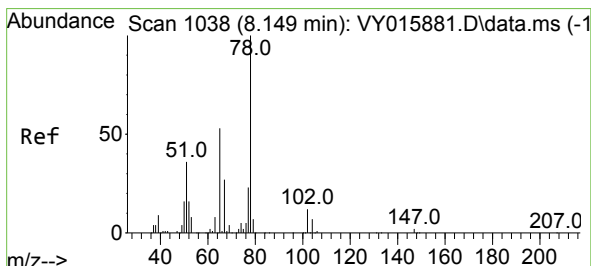
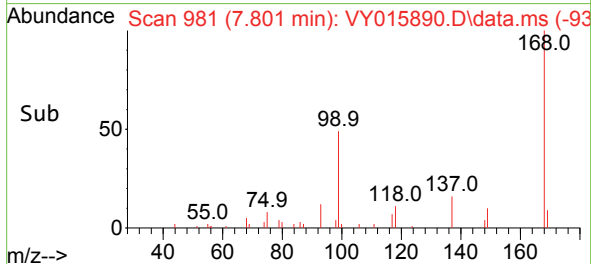
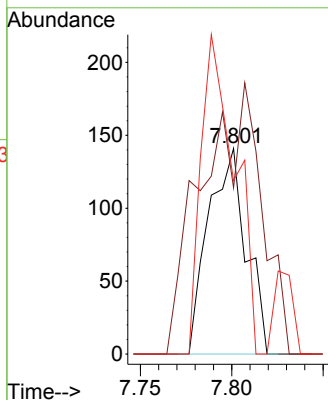


#31
Cyclohexane
Concen: 1.838 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

Instrument :
MSVOA_Y
ClientSampleId :

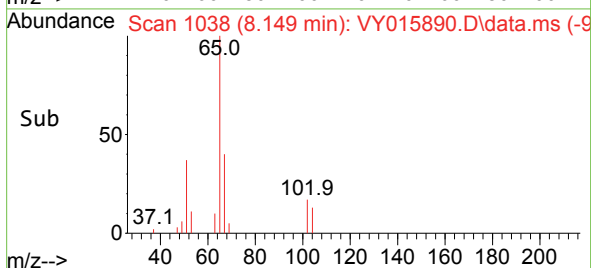
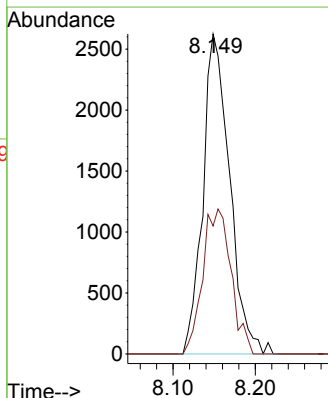
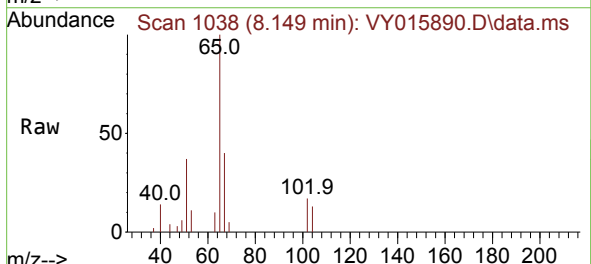


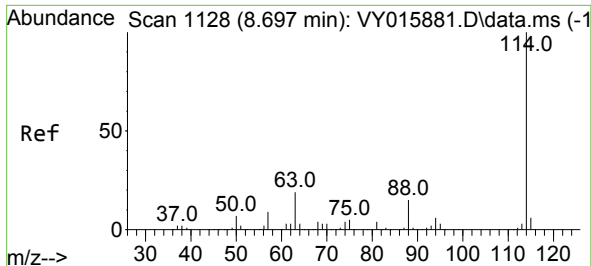
Tgt Ion: 56 Resp: 203
Ion Ratio Lower Upper
56 100
69 42.6 27.8 41.6#
84 84.4 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 57.463 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

Tgt Ion: 65 Resp: 5927
Ion Ratio Lower Upper
65 100
67 48.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY015890.D

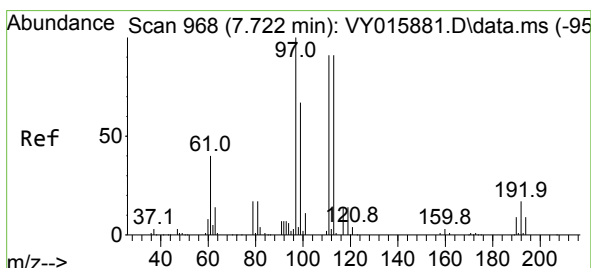
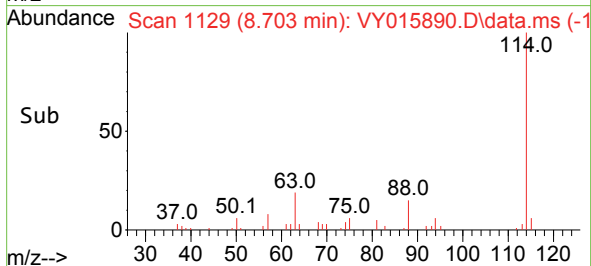
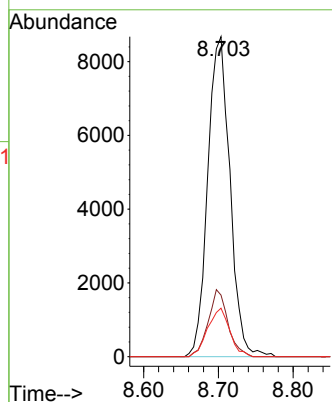
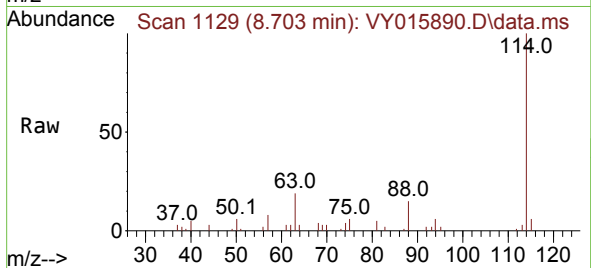
Acq: 10 Oct 2023 12:33

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	17901
Ion Ratio	Lower	Upper
114	100	
63	19.3	0.0 42.4
88	15.1	0.0 30.6



#35

Dibromofluoromethane

Concen: 51.579 ug/l

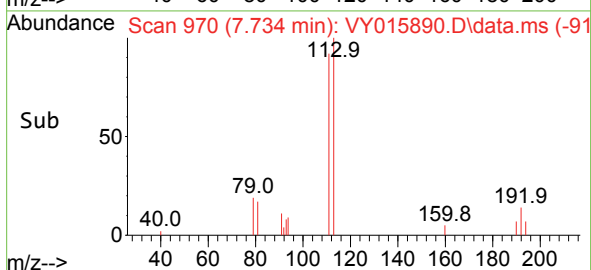
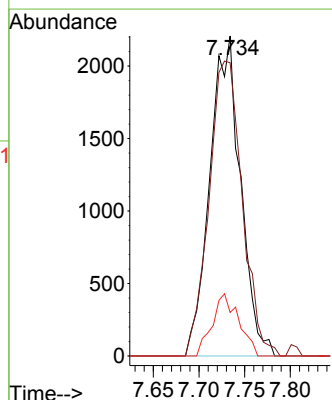
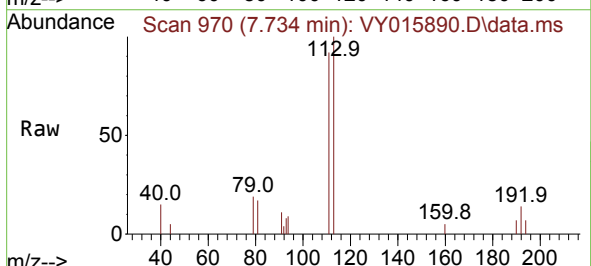
RT: 7.734 min Scan# 970

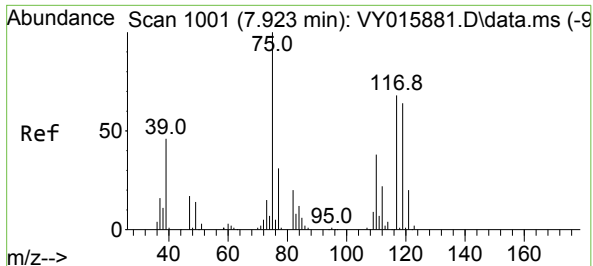
Delta R.T. 0.012 min

Lab File: VY015890.D

Acq: 10 Oct 2023 12:33

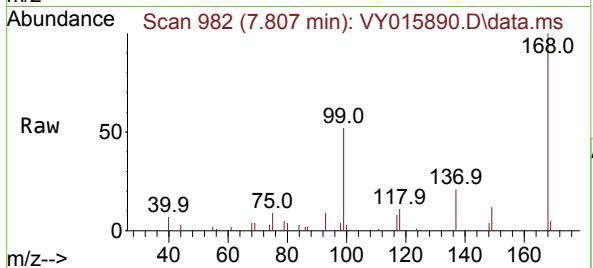
Tgt Ion:113	Resp:	5150
Ion Ratio	Lower	Upper
113	100	
111	99.8	81.3 121.9
192	16.8	16.9 25.3



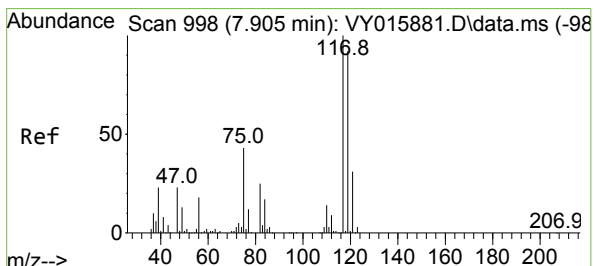
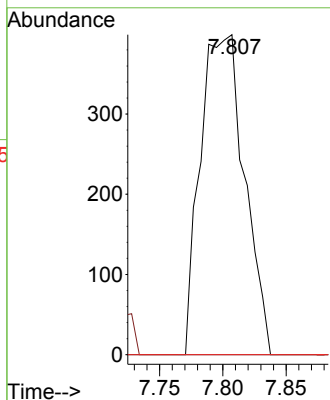
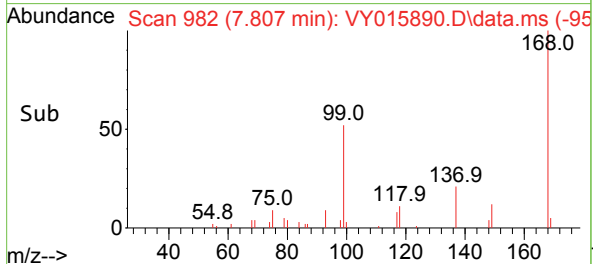


#36
 1,1-Dichloropropene
 Concen: 8.736 ug/l
 RT: 7.807 min Scan# 91
 Delta R.T. -0.116 min
 Lab File: VY015890.D
 Acq: 10 Oct 2023 12:33

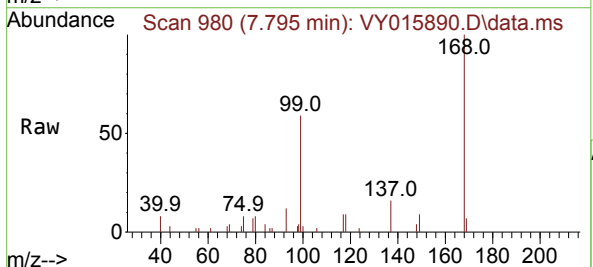
Instrument :
 MSVOA_Y
 ClientSampleId :



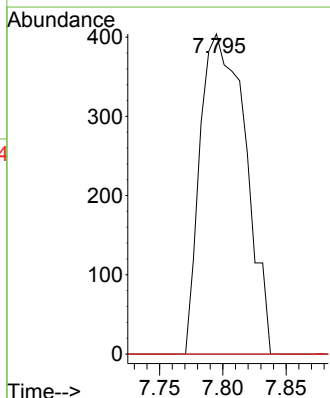
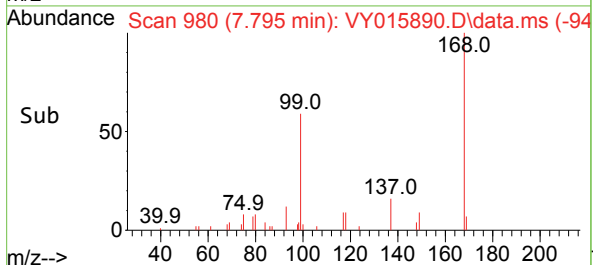
Tgt Ion: 75 Resp: 966
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.8 53.5#
 77 0.0 24.4 36.6#

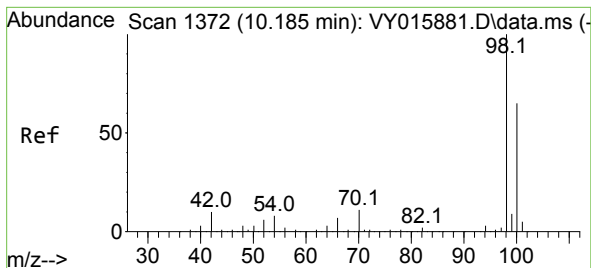


#38
 Carbon Tetrachloride
 Concen: 7.568 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.110 min
 Lab File: VY015890.D
 Acq: 10 Oct 2023 12:33



Tgt Ion: 117 Resp: 1005
 Ion Ratio Lower Upper
 117 100
 119 0.0 76.4 114.6#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 59.155 ug/l

RT: 10.191 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015890.D

Acq: 10 Oct 2023 12:33

Instrument :

MSVOA_Y

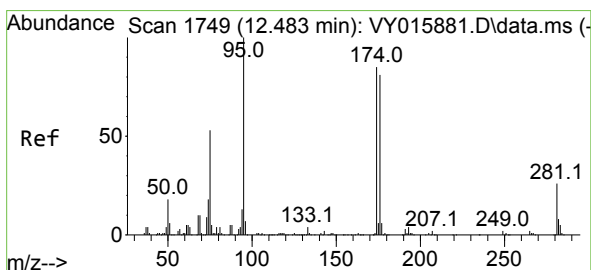
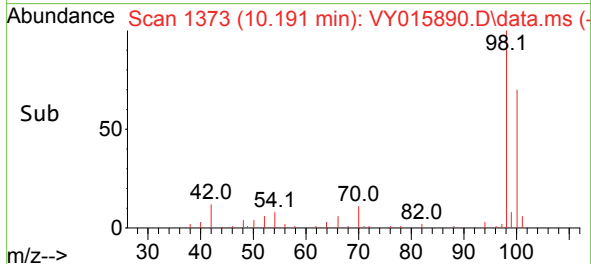
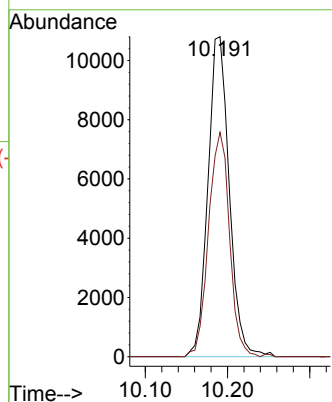
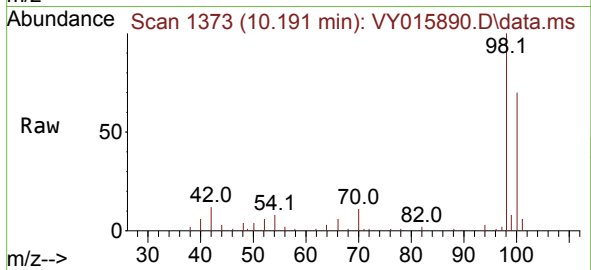
ClientSampleId :

Tgt Ion: 98 Resp: 19466

Ion Ratio Lower Upper

98 100

100 68.7 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 39.750 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY015890.D

Acq: 10 Oct 2023 12:33

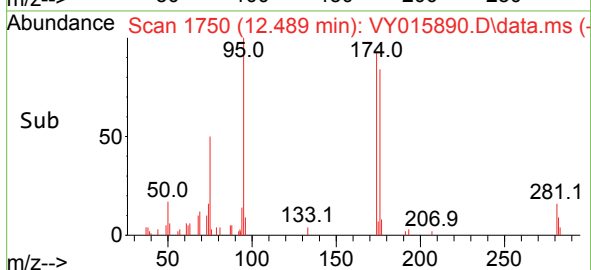
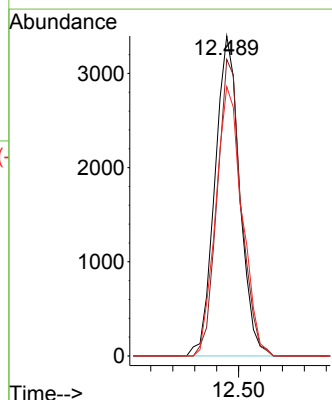
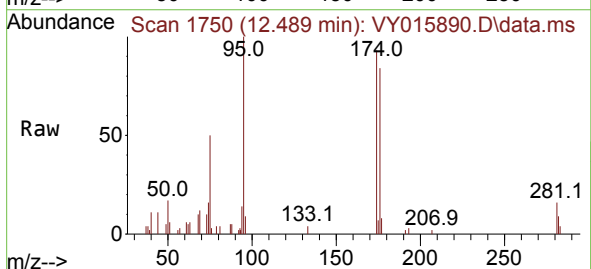
Tgt Ion: 95 Resp: 5313

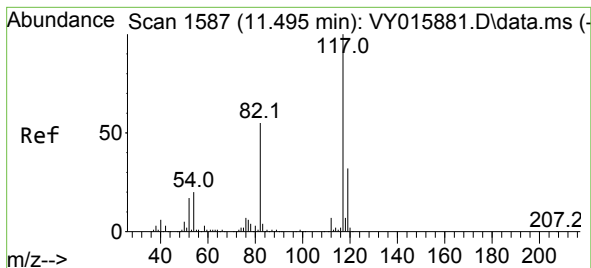
Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.2

176 89.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.006 min

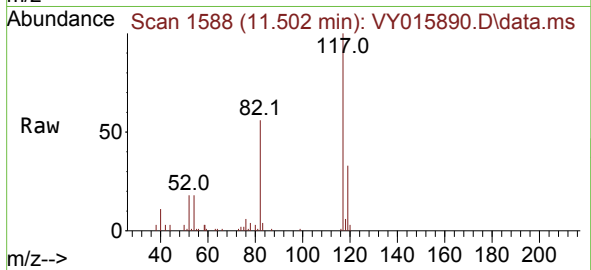
Lab File: VY015890.D

Acq: 10 Oct 2023 12:33

Instrument :

MSVOA_Y

ClientSampleId :



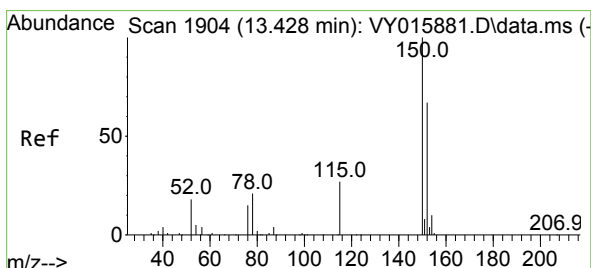
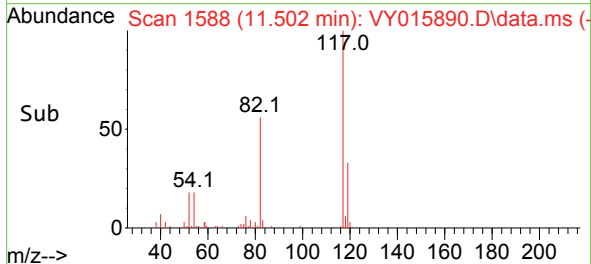
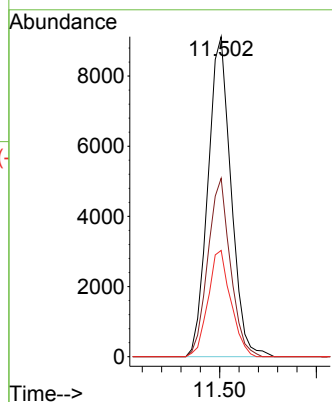
Tgt Ion:117 Resp: 15128

Ion Ratio Lower Upper

117 100

82 55.7 43.4 65.0

119 33.2 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY015890.D

Acq: 10 Oct 2023 12:33

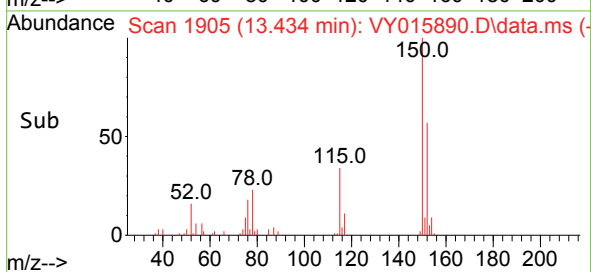
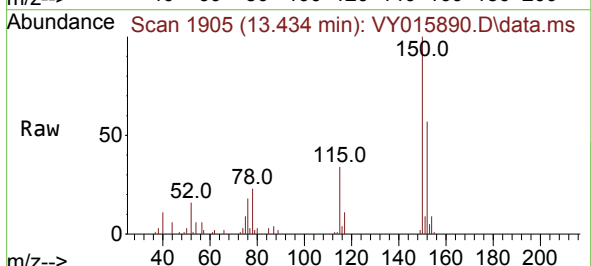
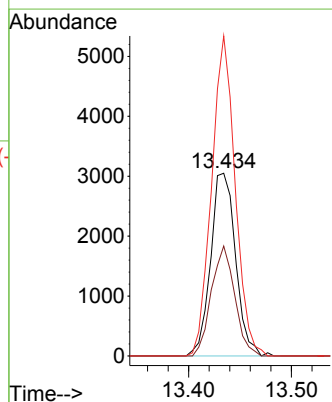
Tgt Ion:152 Resp: 5144

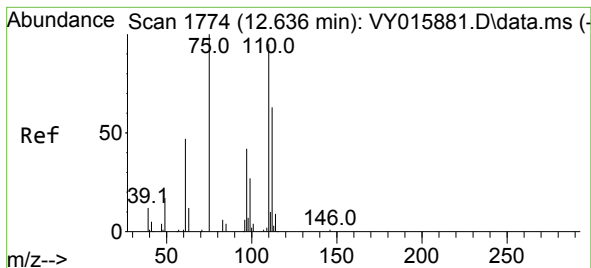
Ion Ratio Lower Upper

152 100

115 56.3 28.8 86.5

150 164.7 0.0 348.8

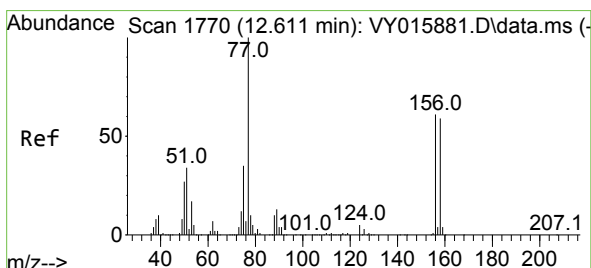
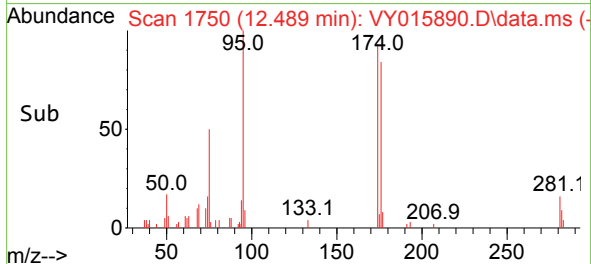
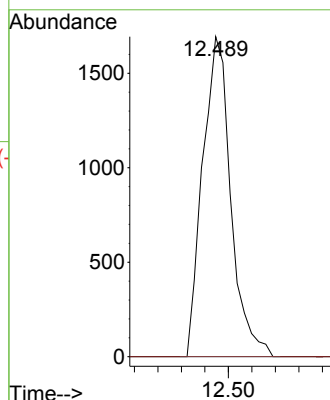
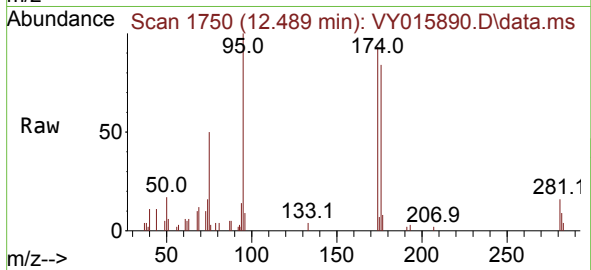




#76
1,2,3-Trichloropropane
Concen: 46.928 ug/l
RT: 12.489 min Scan# 1774
Delta R.T. -0.146 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

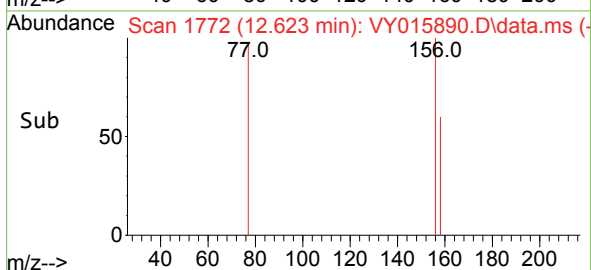
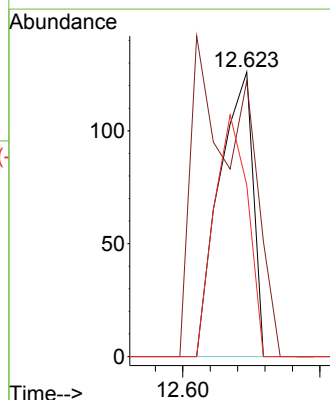
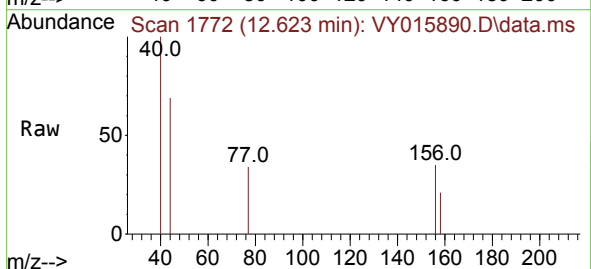
Instrument :
MSVOA_Y
ClientSampleId :

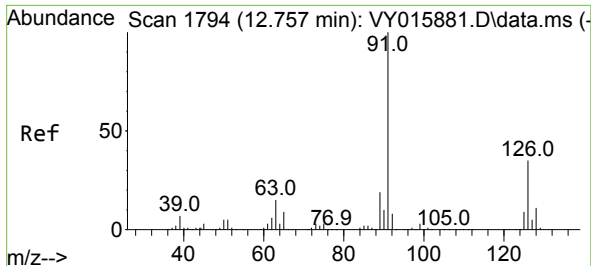
Tgt Ion: 75 Resp: 2818
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 1.357 ug/l
RT: 12.623 min Scan# 1772
Delta R.T. 0.012 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

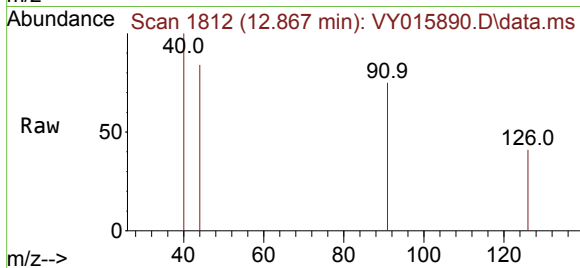
Tgt Ion: 156 Resp: 108
Ion Ratio Lower Upper
156 100
77 166.7 92.8 278.6
158 84.3 48.4 145.3



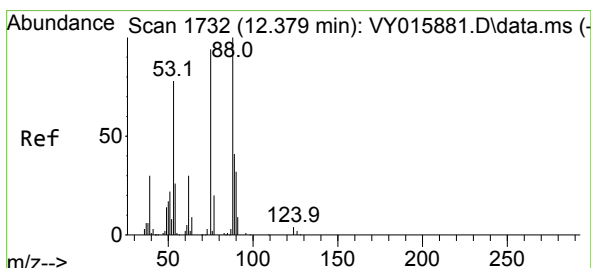
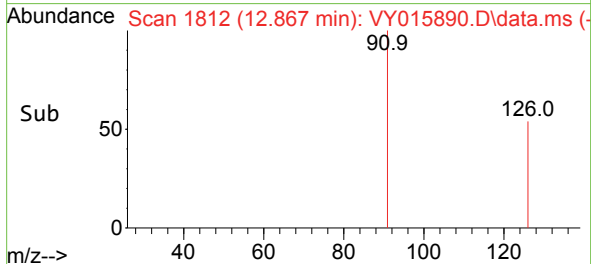
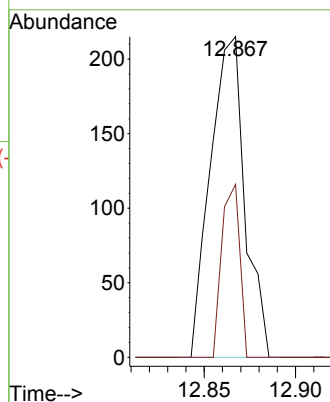


#79
2-Chlorotoluene
Concen: 1.273 ug/l
RT: 12.867 min Scan# 1794
Delta R.T. 0.110 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

Instrument :
MSVOA_Y
ClientSampleId :

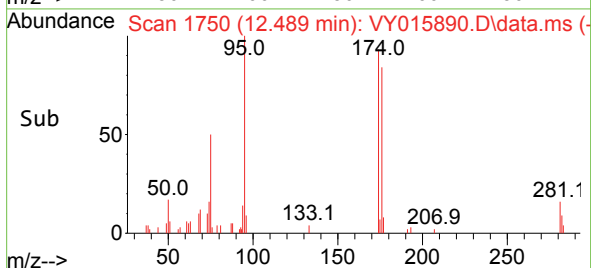
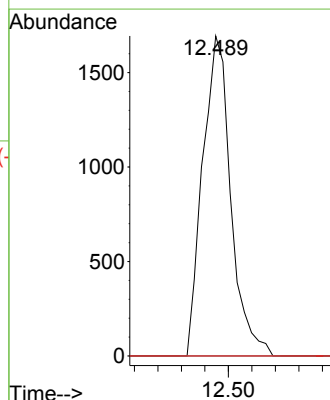
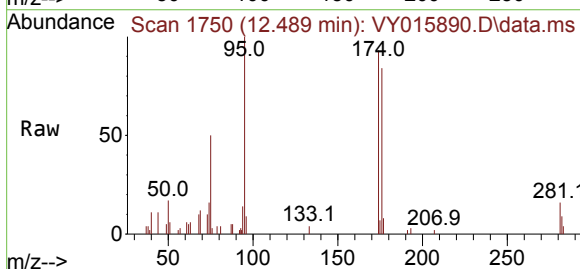


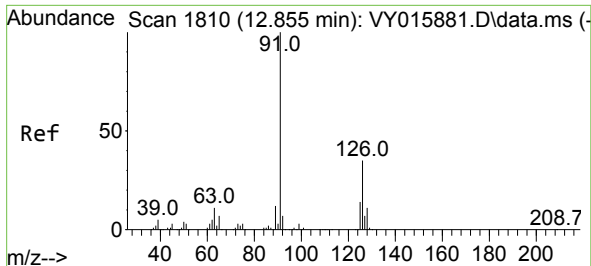
Tgt Ion: 91 Resp: 283
Ion Ratio Lower Upper
91 100
126 27.9 17.3 51.7



#81
trans-1,4-Dichloro-2-butene
Concen: 104.062 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

Tgt Ion: 75 Resp: 2818
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

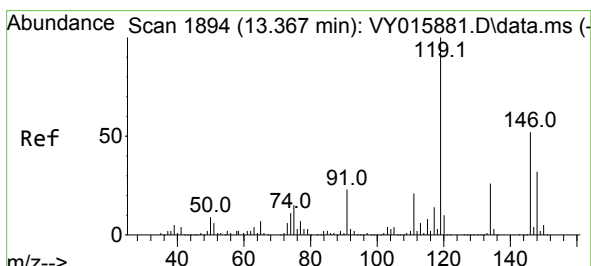
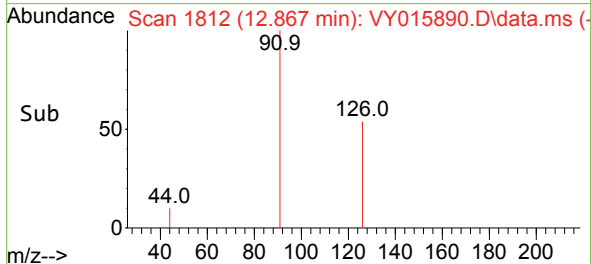
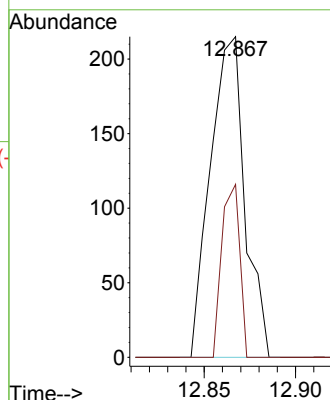
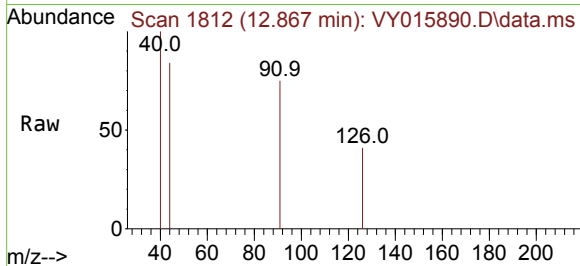




#82
4-Chlorotoluene
Concen: 1.222 ug/l
RT: 12.867 min Scan# 1812
Delta R.T. 0.012 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

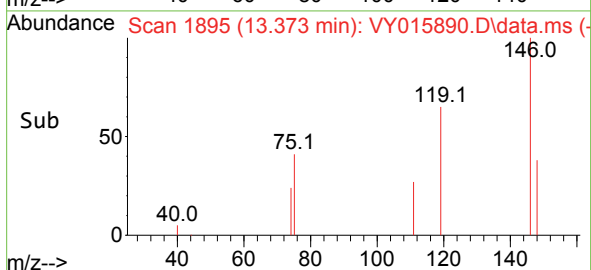
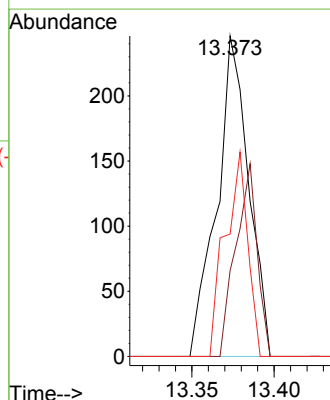
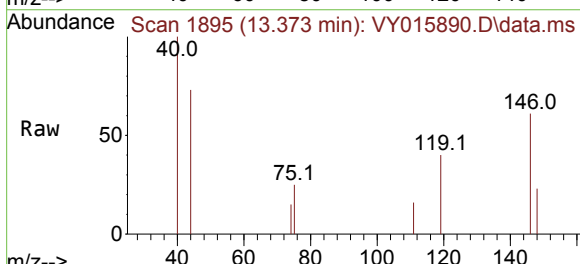
Instrument :
MSVOA_Y
ClientSampleId :

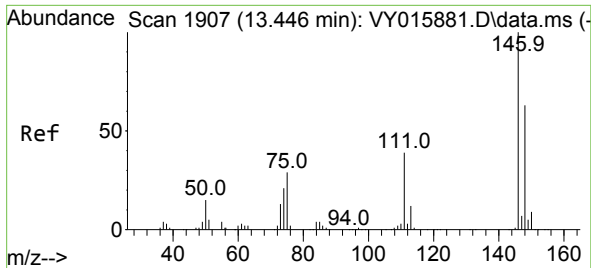
Tgt Ion: 91 Resp: 283
Ion Ratio Lower Upper
91 100
126 27.9 17.2 51.6



#87
1,3-Dichlorobenzene
Concen: 2.066 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

Tgt Ion: 146 Resp: 331
Ion Ratio Lower Upper
146 100
111 40.5 19.4 58.2
148 45.3 31.9 95.5

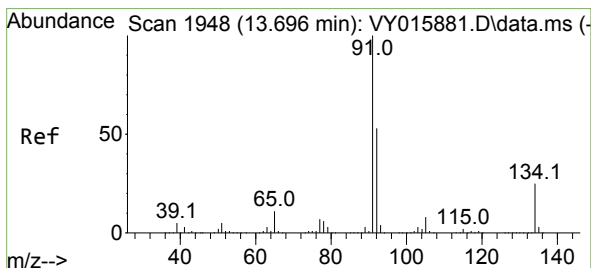
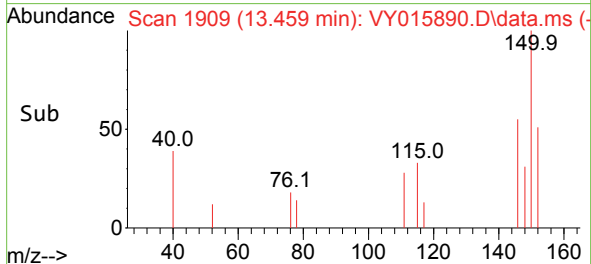
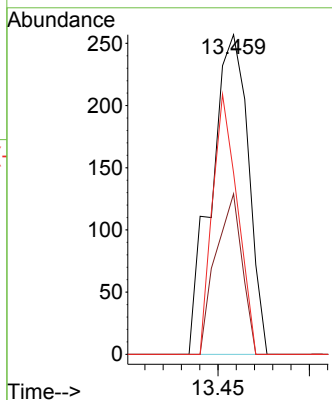
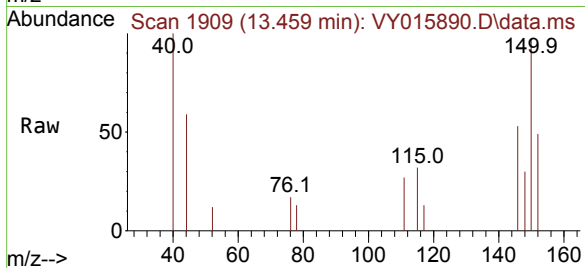




#88
1,4-Dichlorobenzene
Concen: 2.238 ug/l
RT: 13.459 min Scan# 1909
Delta R.T. 0.012 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

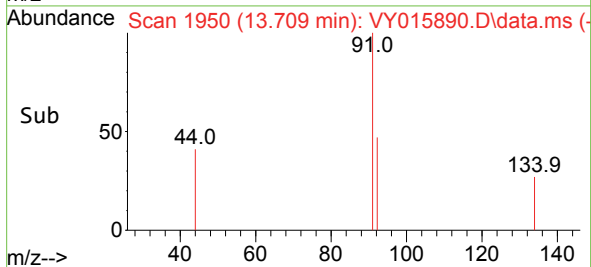
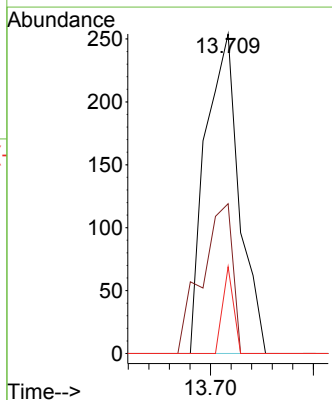
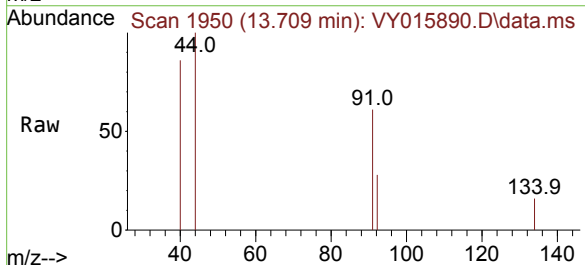
Instrument :
MSVOA_Y
ClientSampleId :

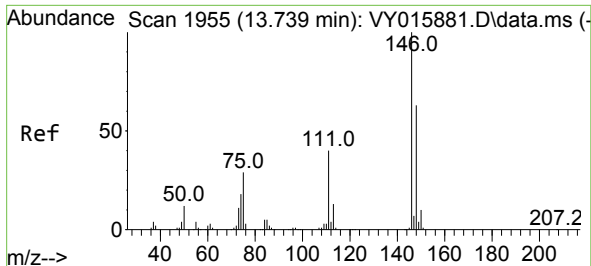
Tgt Ion:146 Resp: 361
Ion Ratio Lower Upper
146 100
111 36.0 18.9 56.7
148 54.8 32.1 96.5



#89
n-Butylbenzene
Concen: 1.009 ug/l
RT: 13.709 min Scan# 1950
Delta R.T. 0.012 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

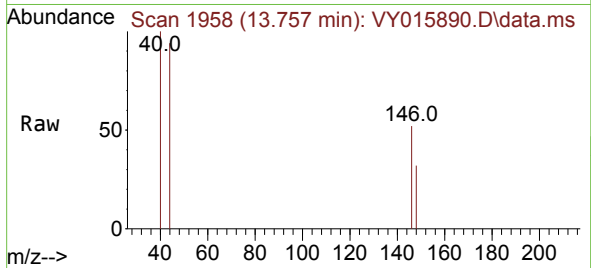
Tgt Ion: 91 Resp: 289
Ion Ratio Lower Upper
91 100
92 42.6 25.4 76.0
134 8.7 12.6 37.6#



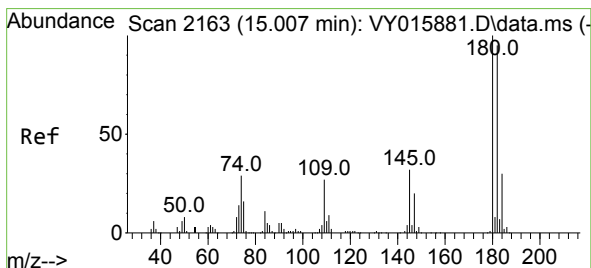
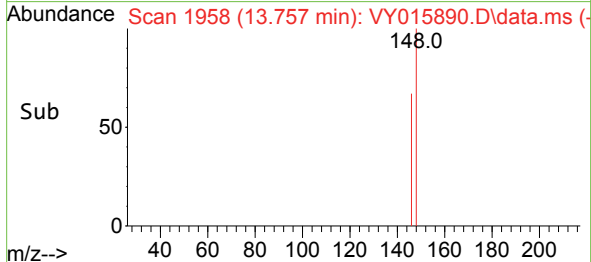
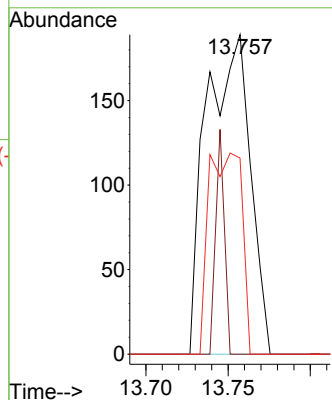


#91
1,2-Dichlorobenzene
Concen: 2.351 ug/l
RT: 13.757 min Scan# 1958
Delta R.T. 0.018 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

Instrument :
MSVOA_Y
ClientSampleId :

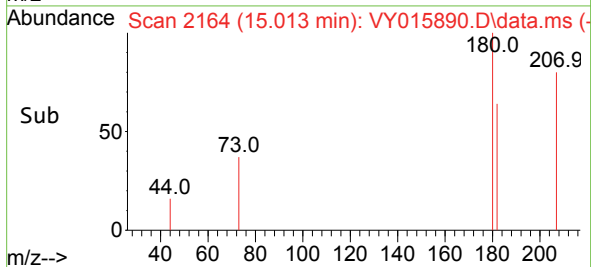
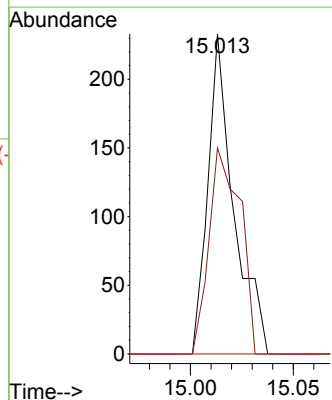
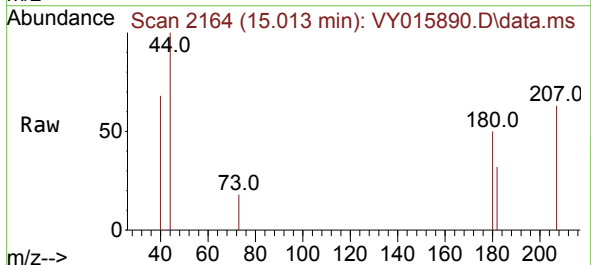


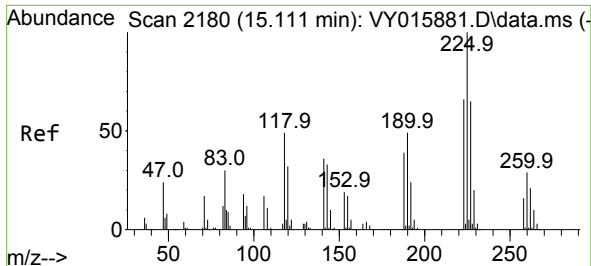
Tgt Ion:146 Resp: 350
Ion Ratio Lower Upper
146 100
111 14.0 19.7 59.0#
148 48.0 32.0 96.2



#93
1,2,4-Trichlorobenzene
Concen: 2.127 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. 0.006 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

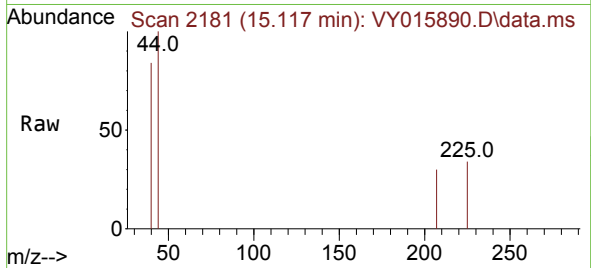
Tgt Ion:180 Resp: 203
Ion Ratio Lower Upper
180 100
182 77.8 47.0 141.2
145 0.0 14.5 43.5#



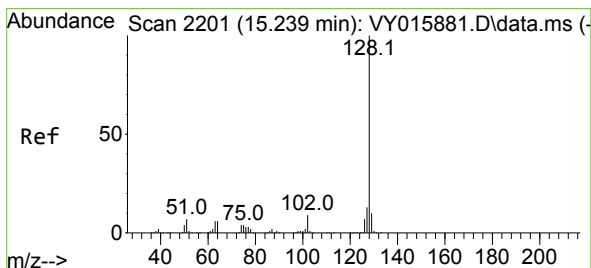
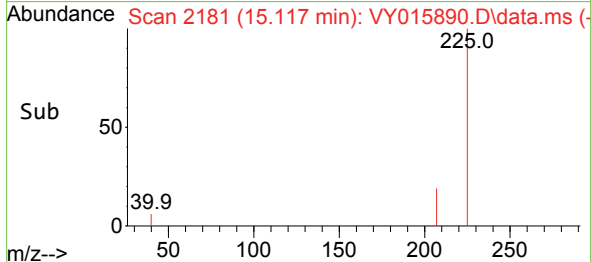
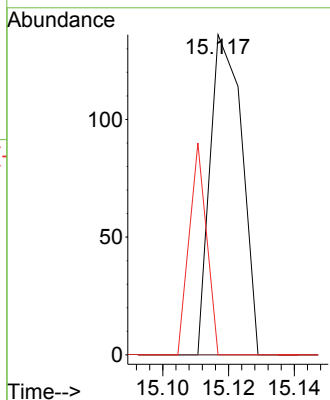


#94
Hexachlorobutadiene
Concen: 1.781 ug/l
RT: 15.117 min Scan# 2180
Delta R.T. 0.006 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

Instrument :
MSVOA_Y
ClientSampleId :

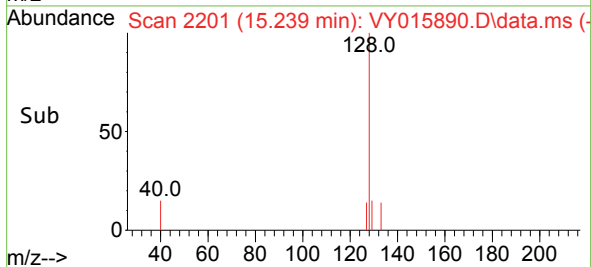
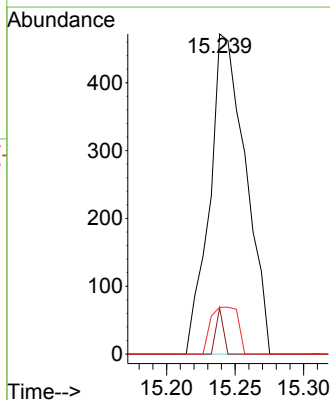
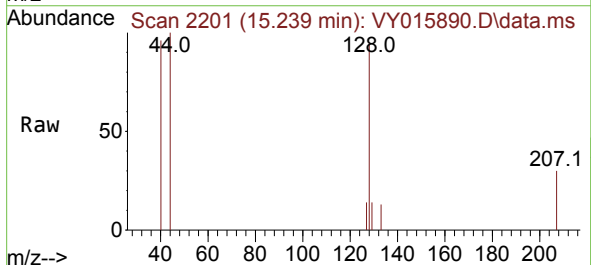


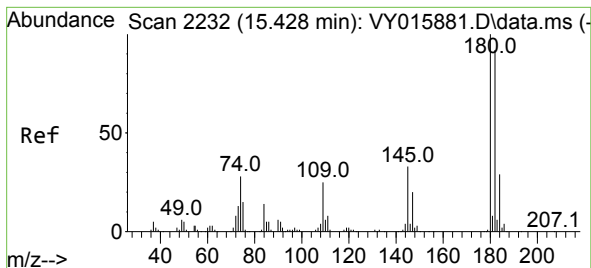
Tgt Ion:225 Resp: 91
Ion Ratio Lower Upper
225 100
223 0.0 31.9 95.9#
227 36.3 33.0 98.9



#95
Naphthalene
Concen: 3.900 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY015890.D
Acq: 10 Oct 2023 12:33

Tgt Ion:128 Resp: 861
Ion Ratio Lower Upper
128 100
127 2.9 10.8 16.2#
129 11.0 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 1.637 ug/l

RT: 15.428 min Scan# 21

Delta R.T. -0.000 min

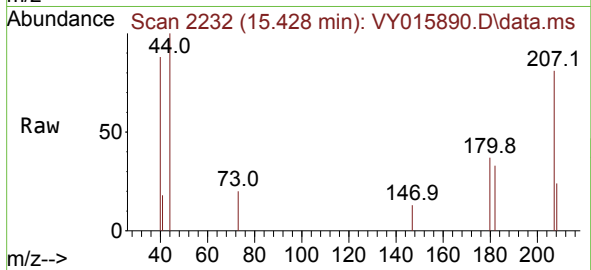
Lab File: VY015890.D

Acq: 10 Oct 2023 12:33

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:180 Resp: 139

Ion Ratio Lower Upper

180 100

182 167.6 47.3 141.8#

145 0.0 15.4 46.2#

