

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
 Data File : VY015871.D
 Acq On : 06 Oct 2023 18:44
 Operator : SY/MD
 Sample : 04778-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 07 07:31:24 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)

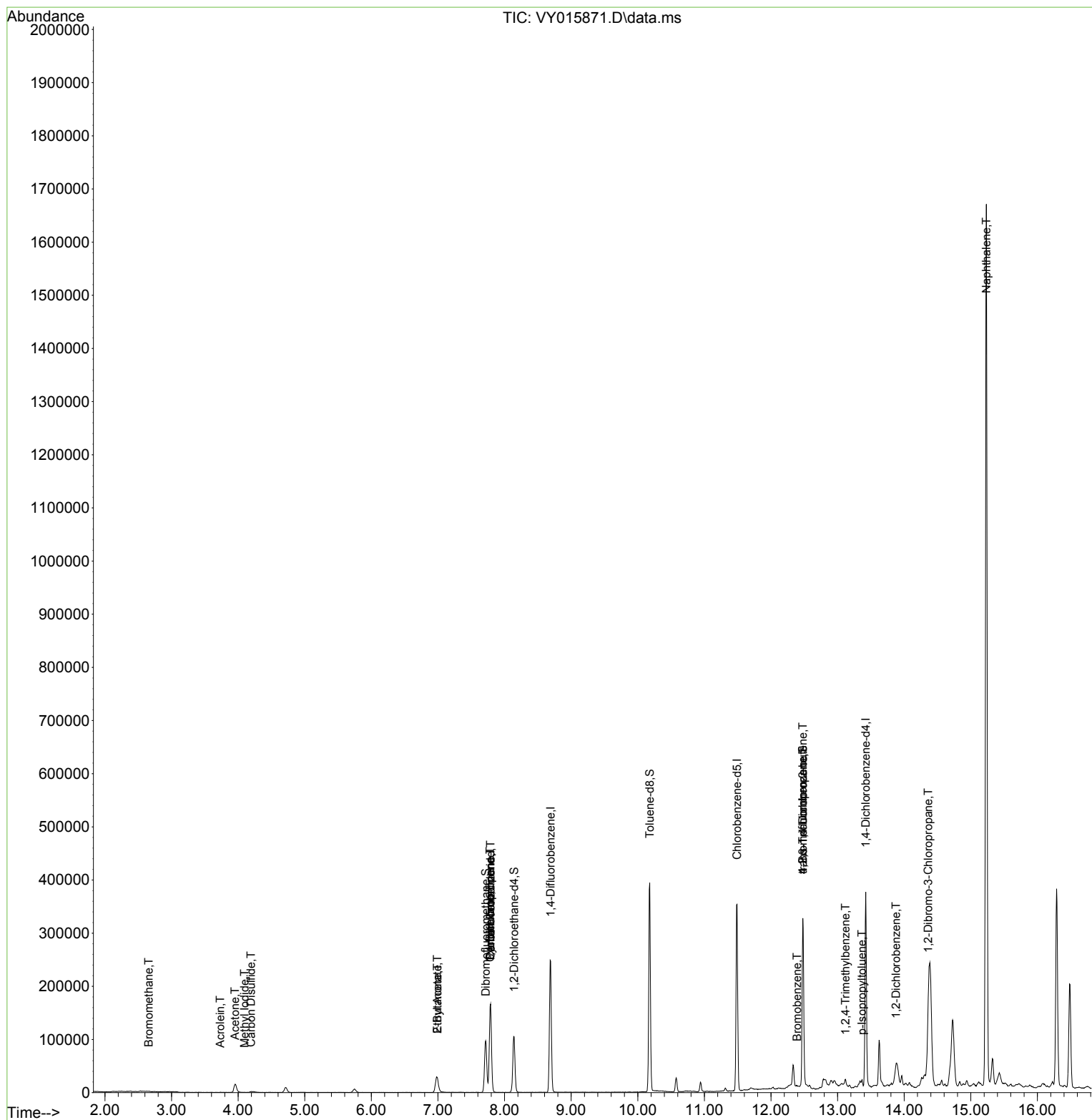
Internal Standards						
1) Pentafluorobenzene	7.789	168	132122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	218362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	201055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	92548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	83160	63.976	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.960%			
35) Dibromofluoromethane	7.716	113	70120	56.336	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.680%			
50) Toluene-d8	10.179	98	261378	64.680	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 129.360%			
62) 4-Bromofluorobenzene	12.477	95	92011	55.703	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.400%			
Target Compounds						Qvalue
5) Bromomethane	2.656	94	197	1.150	ug/l	84
10) Methyl Iodide	4.095	142	50	3.146	ug/l #	38
11) Tert butyl alcohol	4.960	59	757	Below Cal	#	89
13) Acrolein	3.729	56	154	1.536	ug/l	98
16) Acetone	3.954	43	28601	42.470	ug/l	94
17) Carbon Disulfide	4.192	76	2492	4.694	ug/l #	94
20) Methylene Chloride	4.716	84	7170	Below Cal		89
25) 2-Butanone	6.990	43	9526	10.283	ug/l	97
31) Cyclohexane	7.783	56	2632	1.796	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	10243	6.898	ug/l #	50
37) Ethyl Acetate	6.990	43	9526	5.733	ug/l #	88
38) Carbon Tetrachloride	7.789	117	12892	7.384	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	47819	34.903	ug/l #	100
77) Bromobenzene	12.392	156	2627	1.771	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	47819	80.798	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	5700	1.136	ug/l	98
86) p-Isopropyltoluene	13.367	119	7888	1.414	ug/l	94
91) 1,2-Dichlorobenzene	13.879	146	3121	1.116	ug/l #	28
92) 1,2-Dibromo-3-Chloropr...	14.361	75	514	1.446	ug/l #	11
95) Naphthalene	15.233	128	1355466	279.272	ug/l	99

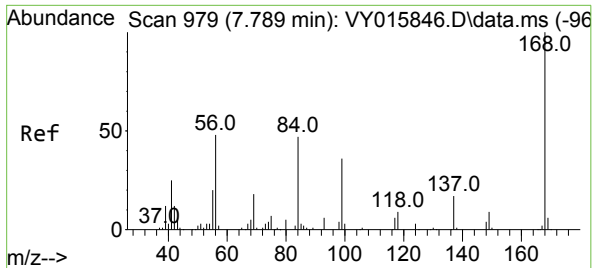
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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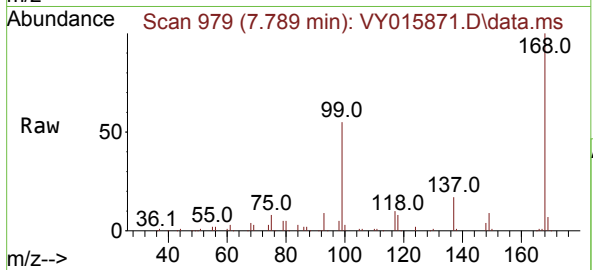
Quant Time: Oct 07 07:31:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 05:54:04 2023
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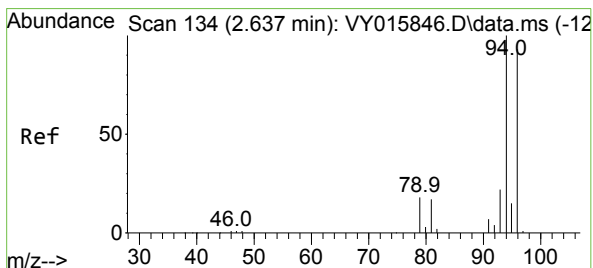
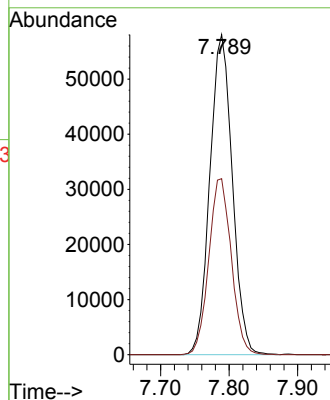
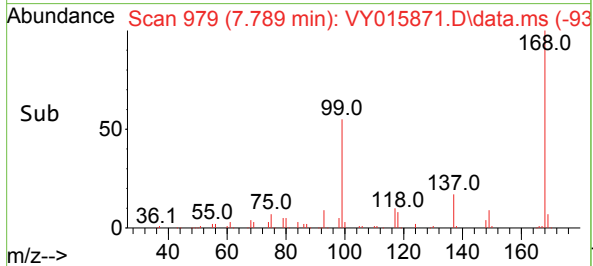


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :

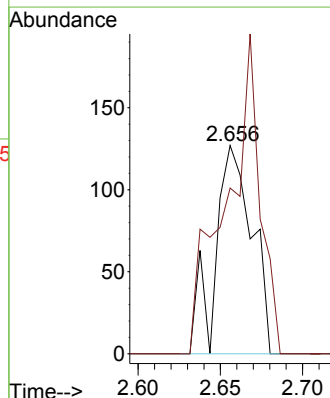
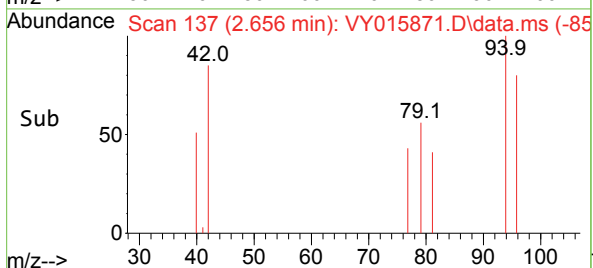
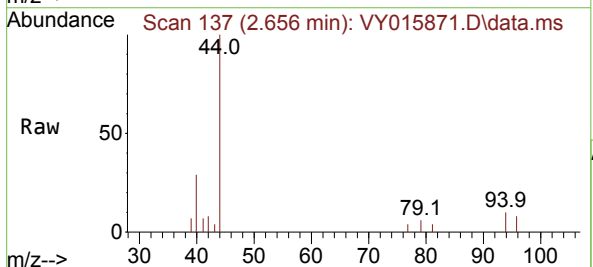


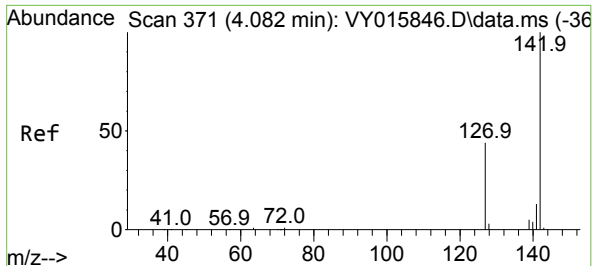
Tgt Ion:168 Resp: 132122
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0



#5
Bromomethane
Concen: 1.150 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44

Tgt Ion: 94 Resp: 197
Ion Ratio Lower Upper
94 100
96 79.5 75.8 113.6

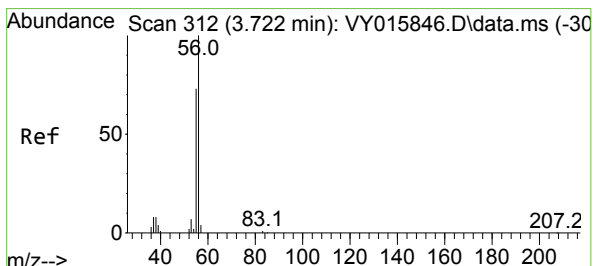
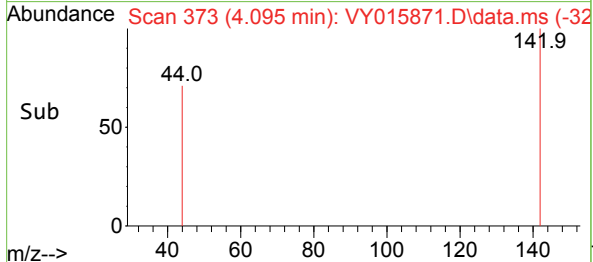
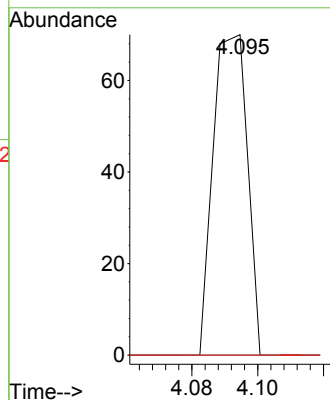
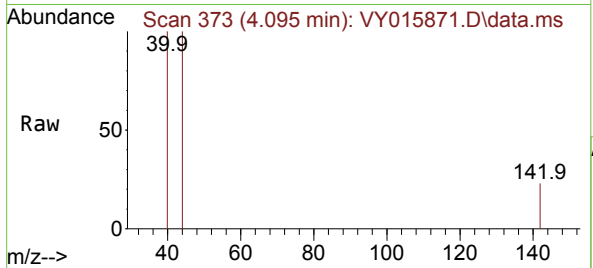




#10
Methyl Iodide
Concen: 3.146 ug/l
RT: 4.095 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44

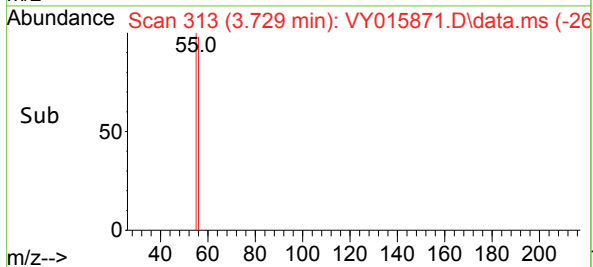
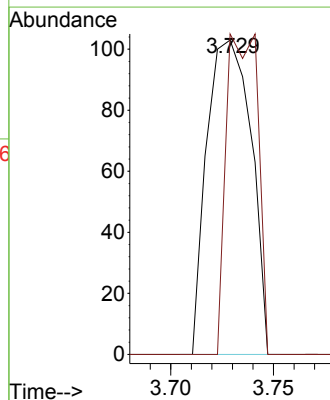
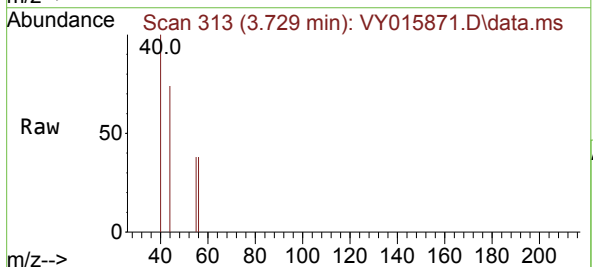
Instrument :
MSVOA_Y
ClientSampleId :

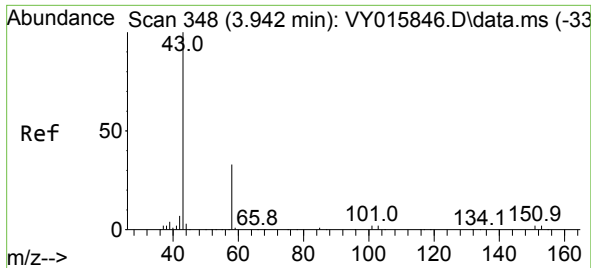
Tgt Ion:142 Resp: 50
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#13
Acrolein
Concen: 1.536 ug/l
RT: 3.729 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44

Tgt Ion: 56 Resp: 154
Ion Ratio Lower Upper
56 100
55 72.7 57.0 85.4

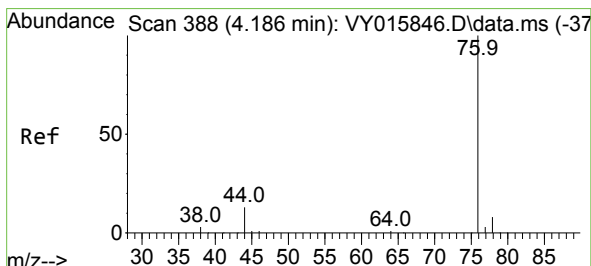
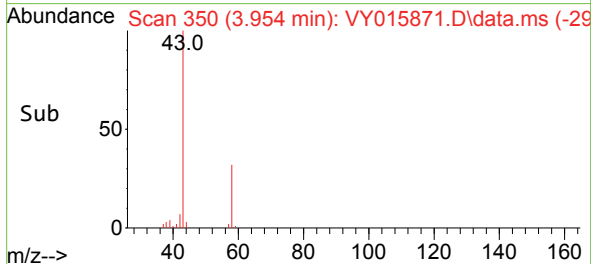
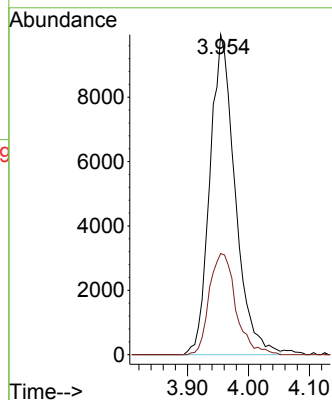
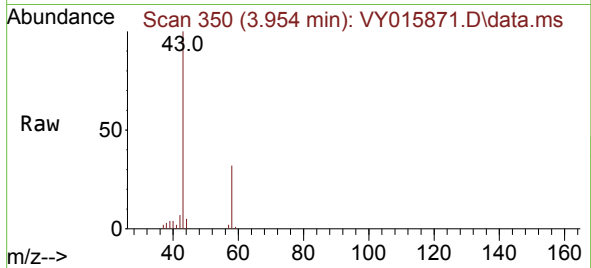




#16
Acetone
Concen: 42.470 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44

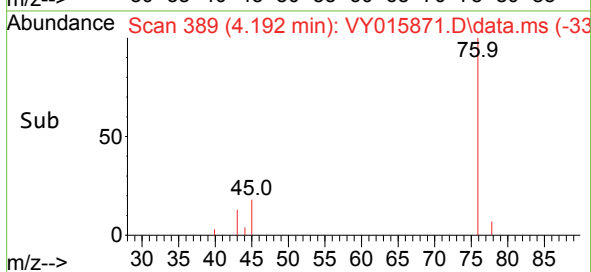
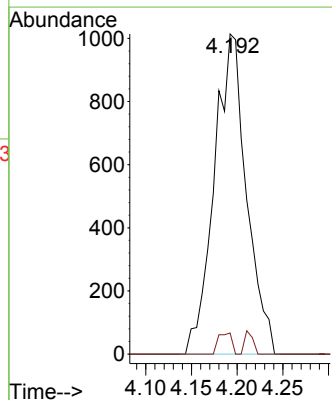
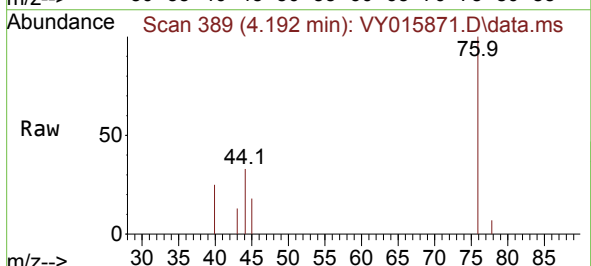
Instrument :
MSVOA_Y
ClientSampleId :

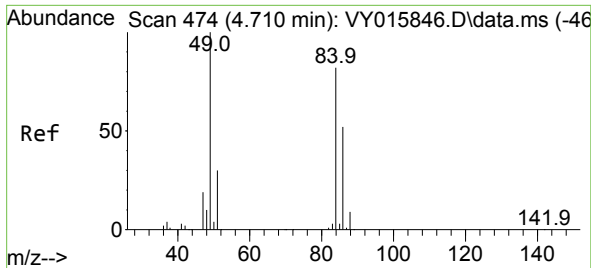
Tgt Ion: 43 Resp: 28601
Ion Ratio Lower Upper
43 100
58 31.6 22.7 34.1



#17
Carbon Disulfide
Concen: 4.694 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44

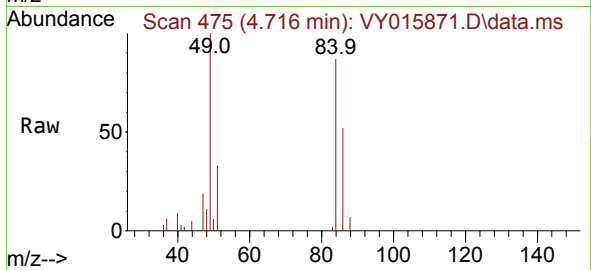
Tgt Ion: 76 Resp: 2492
Ion Ratio Lower Upper
76 100
78 6.6 7.0 10.4#



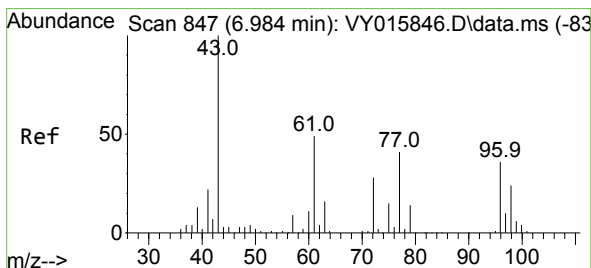
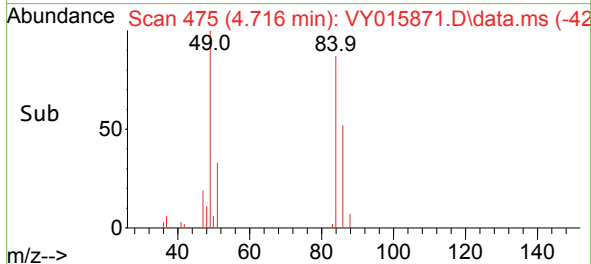
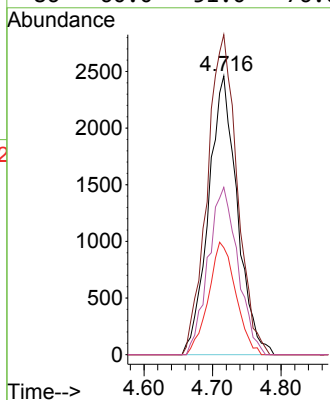


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :

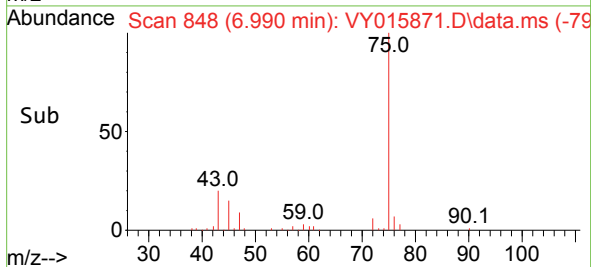
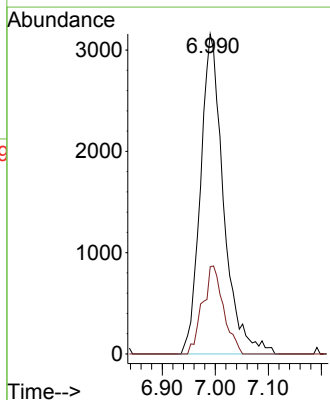
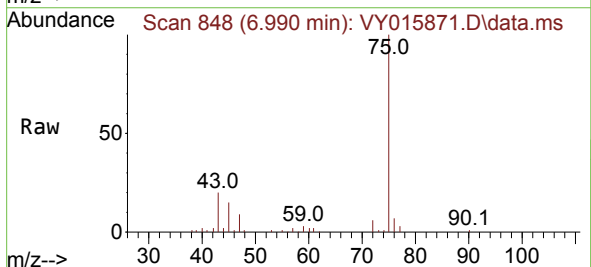


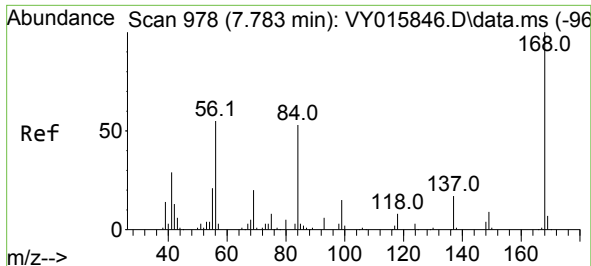
Tgt Ion:	84	Resp:	7170
Ion	Ratio	Lower	Upper
84	100		
49	114.8	106.9	160.3
51	38.4	33.2	49.8
86	60.0	51.0	76.6



#25
2-Butanone
Concen: 10.283 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44

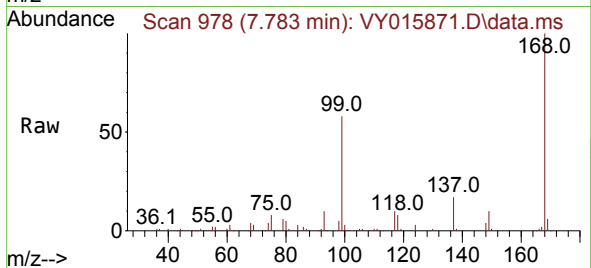
Tgt Ion:	43	Resp:	9526
Ion	Ratio	Lower	Upper
43	100		
72	27.3	20.5	30.7



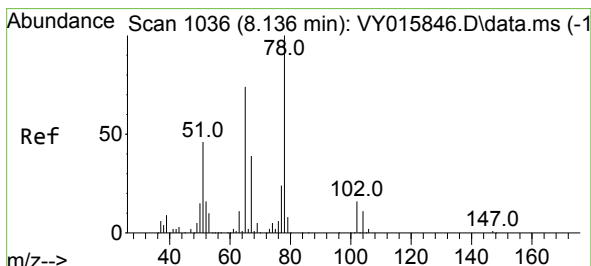
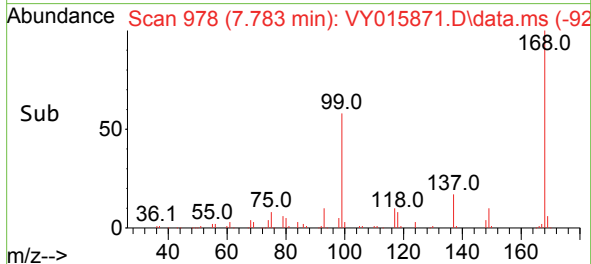
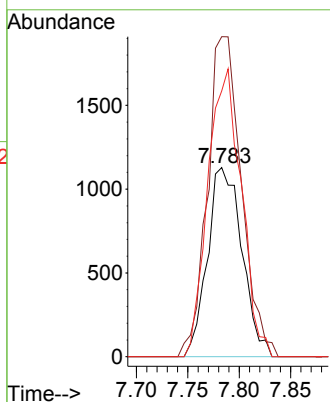


#31
Cyclohexane
Concen: 1.796 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44

Instrument :
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ClientSampleId :

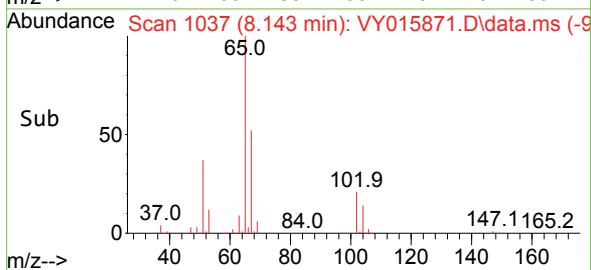
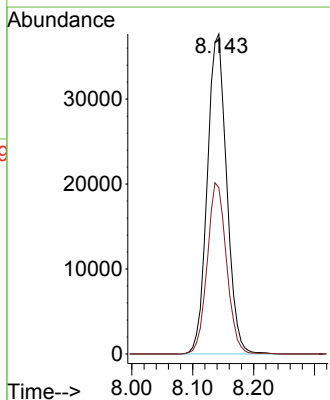
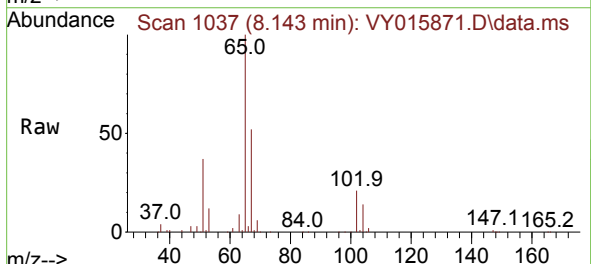


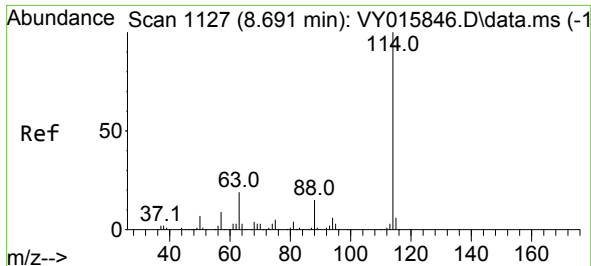
Tgt Ion: 56 Resp: 2632
Ion Ratio Lower Upper
56 100
69 169.2 27.8 41.6#
84 140.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 63.976 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44

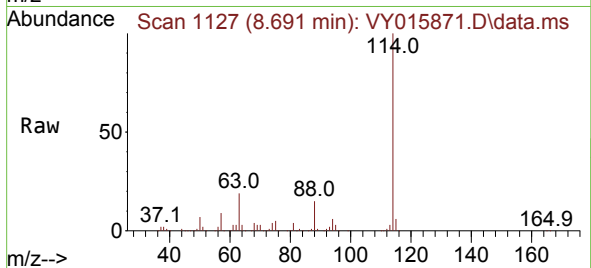
Tgt Ion: 65 Resp: 83160
Ion Ratio Lower Upper
65 100
67 53.4 0.0 101.8



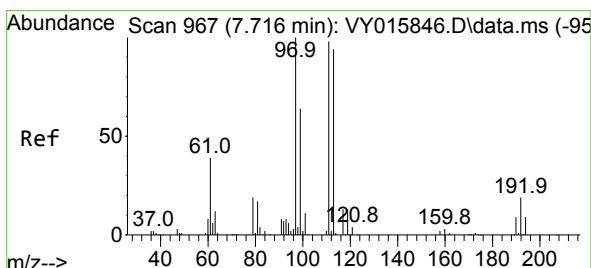
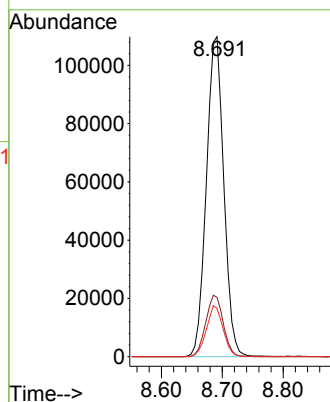
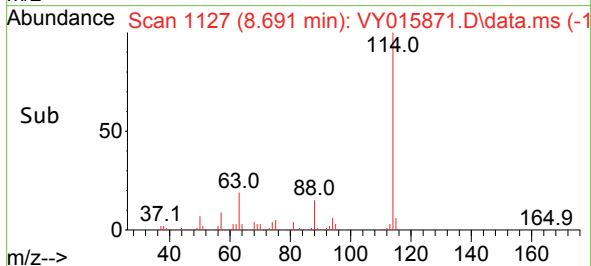


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44

Instrument :
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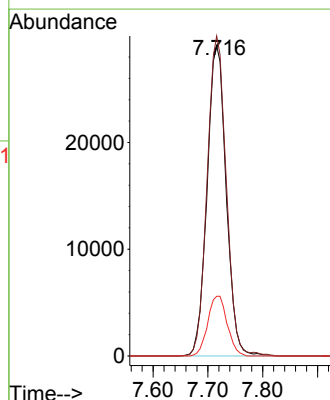
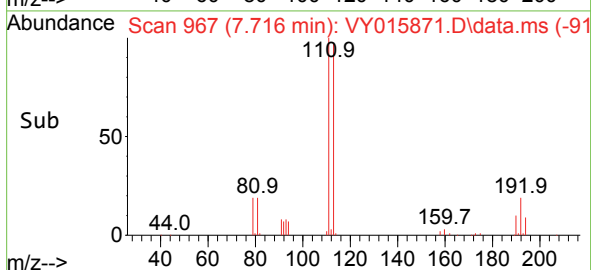
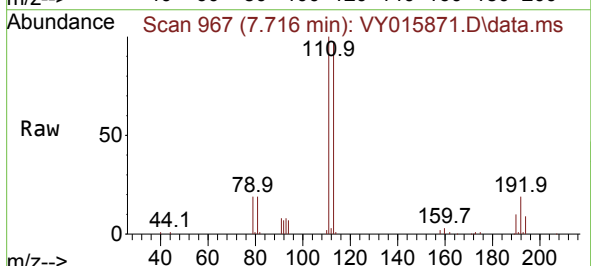


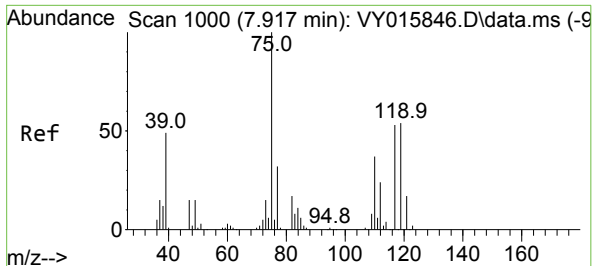
Tgt Ion:114 Resp: 218362
Ion Ratio Lower Upper
114 100
63 18.5 0.0 42.4
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 56.336 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44

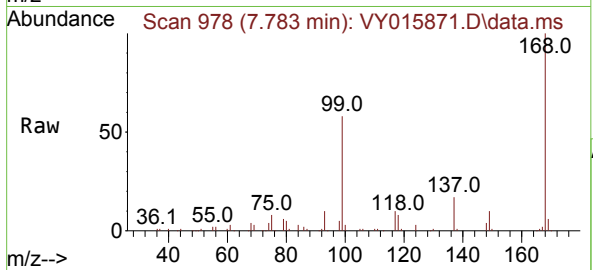
Tgt Ion:113 Resp: 70120
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 19.6 16.9 25.3



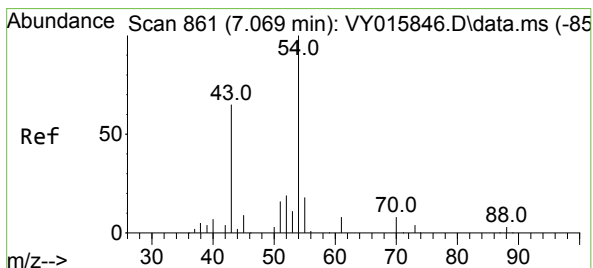
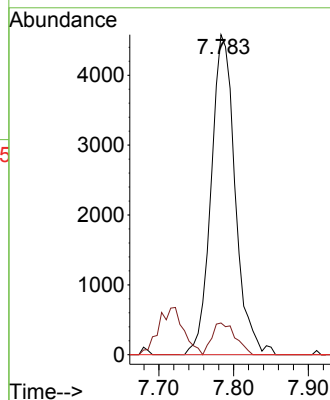
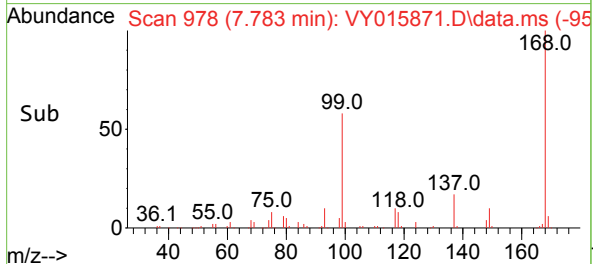


#36
1,1-Dichloropropene
Concen: 6.898 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44

Instrument :
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ClientSampleId :

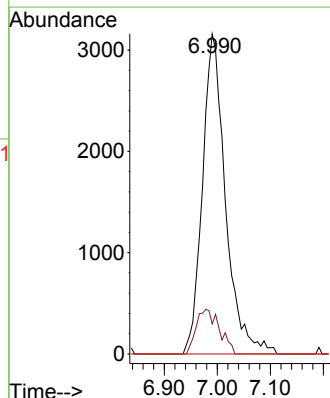
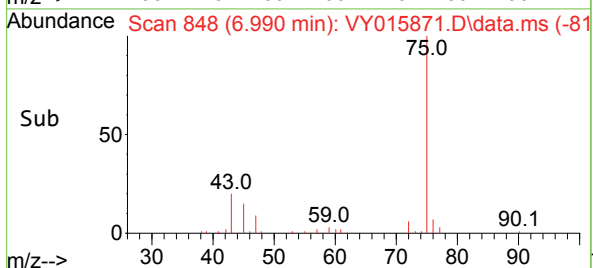
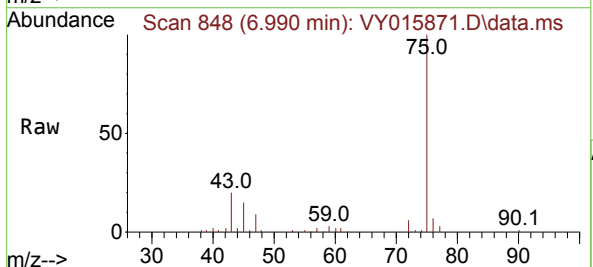


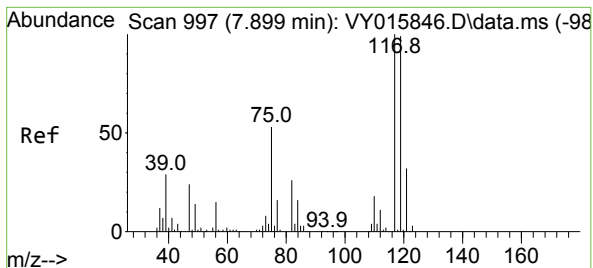
Tgt Ion: 75 Resp: 10243
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 5.733 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.079 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44

Tgt Ion: 43 Resp: 9526
Ion Ratio Lower Upper
43 100
61 14.1 10.1 15.1
70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 7.384 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.109 min

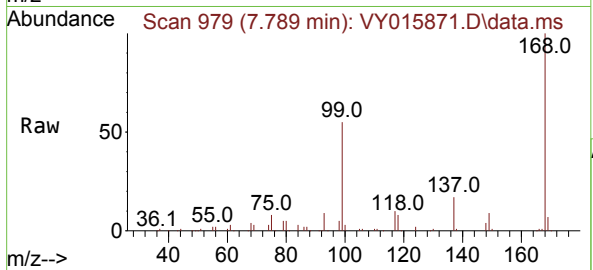
Lab File: VY015871.D

Acq: 06 Oct 2023 18:44

Instrument :

MSVOA_Y

ClientSampleId :



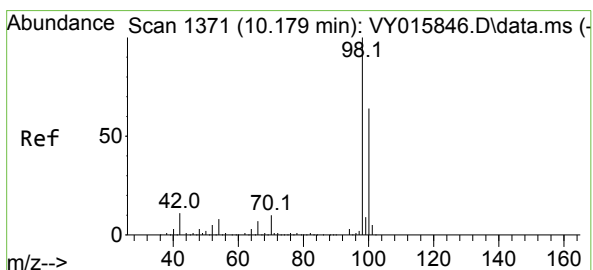
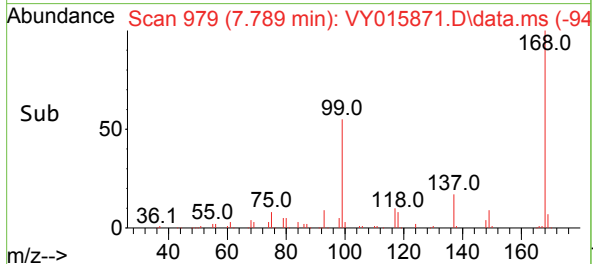
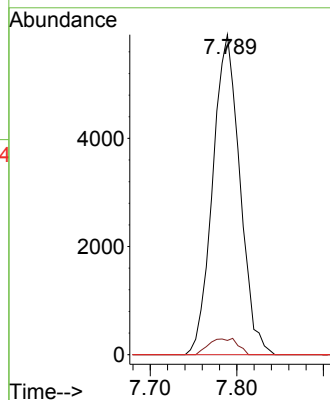
Tgt Ion:117 Resp: 12892

Ion Ratio Lower Upper

117 100

119 4.4 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 64.680 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015871.D

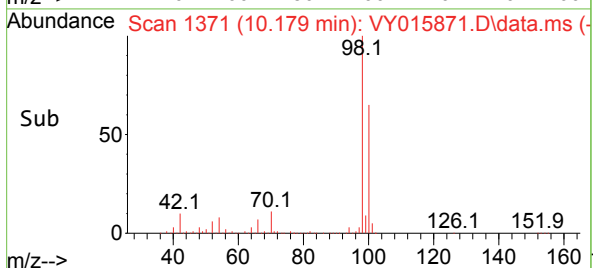
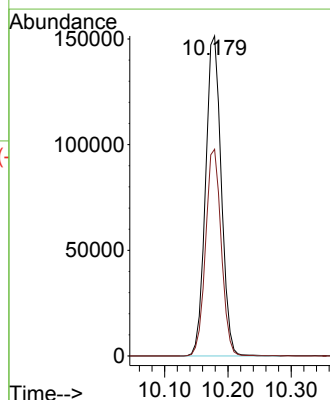
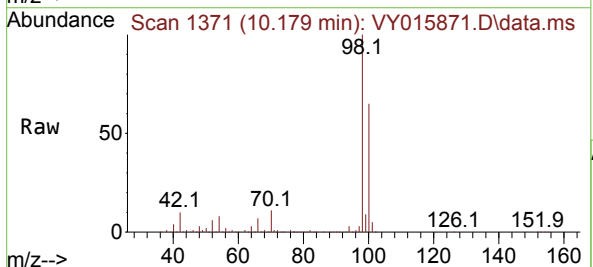
Acq: 06 Oct 2023 18:44

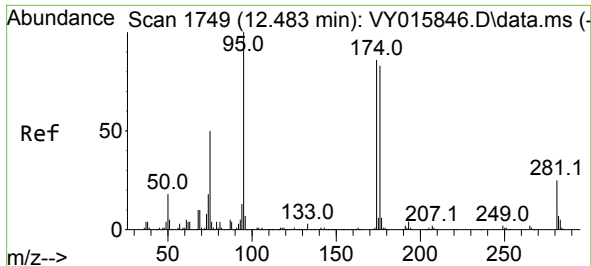
Tgt Ion: 98 Resp: 261378

Ion Ratio Lower Upper

98 100

100 64.4 50.1 75.1

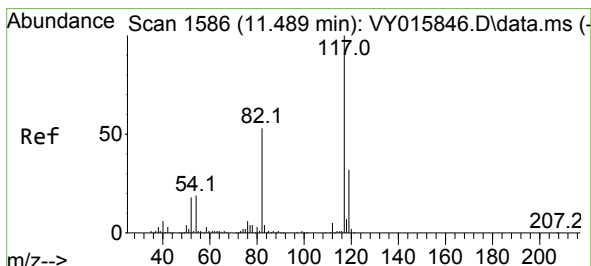
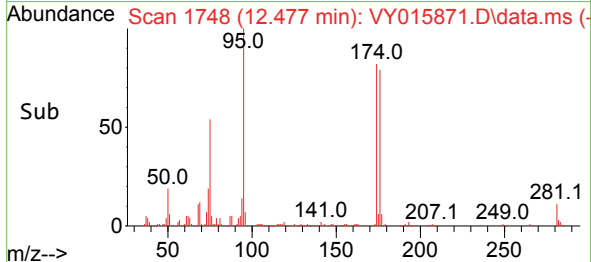
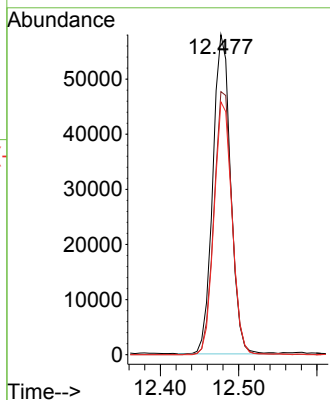
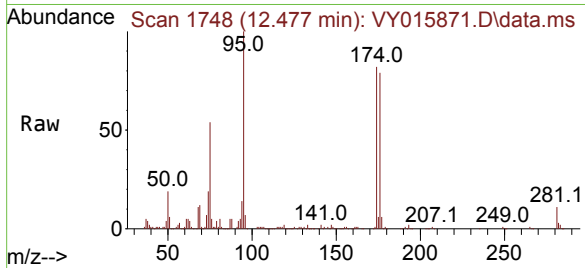




#62
4-Bromofluorobenzene
Concen: 55.703 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44

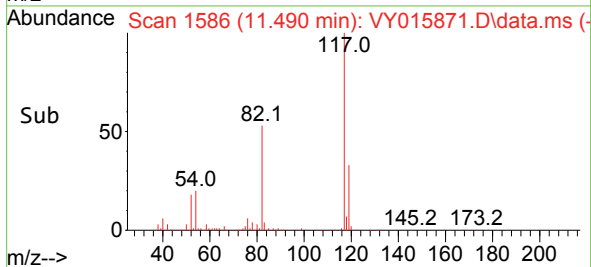
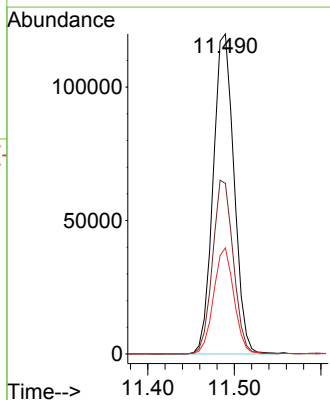
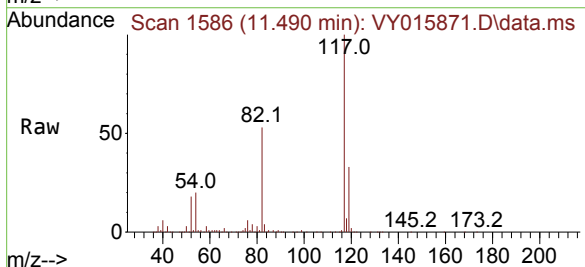
Instrument :
MSVOA_Y
ClientSampleId :

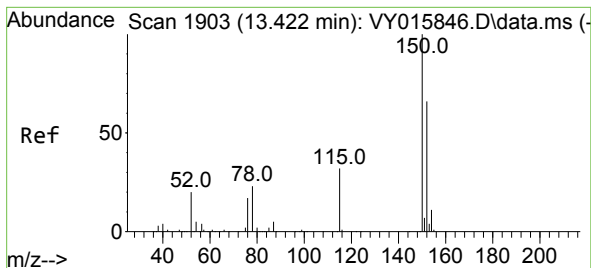
Tgt Ion: 95 Resp: 92011
Ion Ratio Lower Upper
95 100
174 83.4 0.0 178.2
176 79.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44

Tgt Ion: 117 Resp: 201055
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 33.0 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: VY015871.D

Acq: 06 Oct 2023 18:44

Instrument :

MSVOA_Y

ClientSampleId :

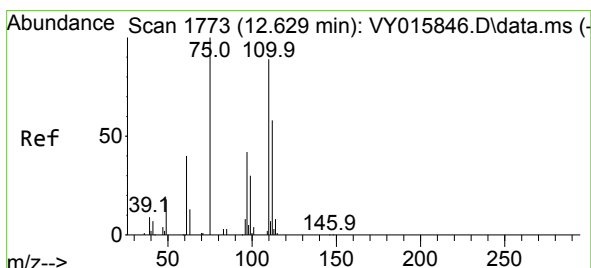
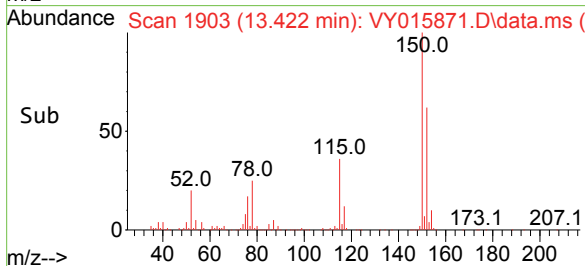
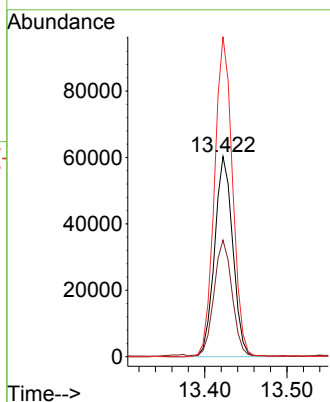
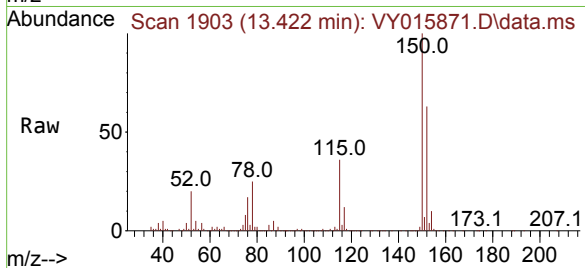
Tgt Ion:152 Resp: 92548

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 158.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 34.903 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015871.D

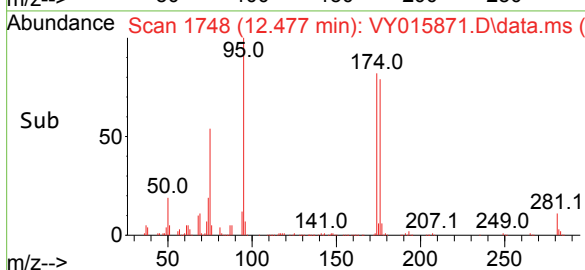
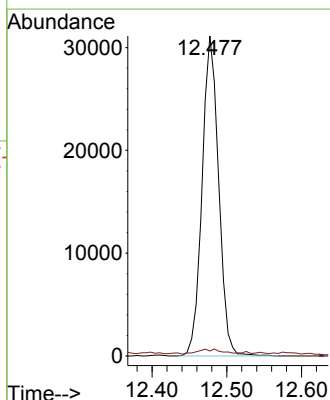
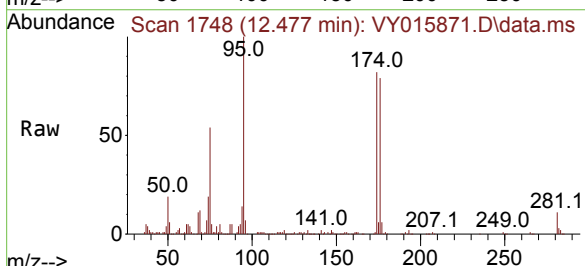
Acq: 06 Oct 2023 18:44

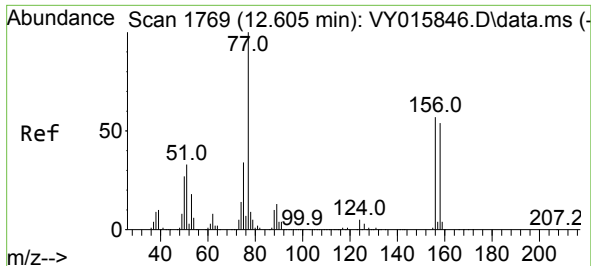
Tgt Ion: 75 Resp: 47819

Ion Ratio Lower Upper

75 100

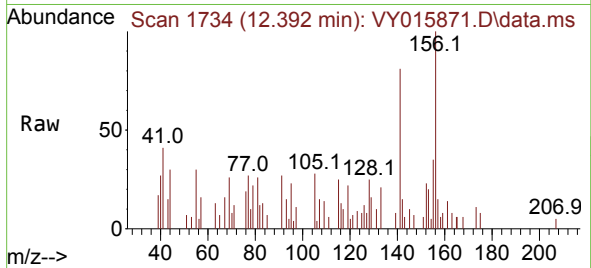
77 2.3 0.0 0.0#



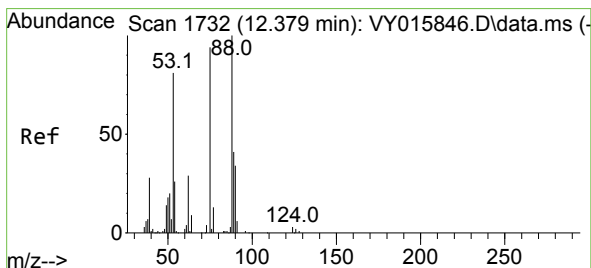
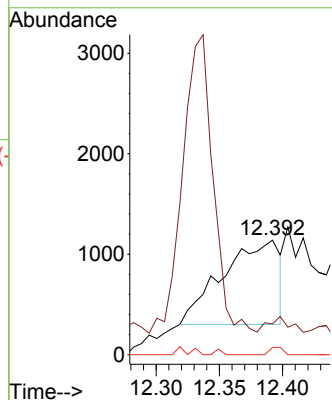
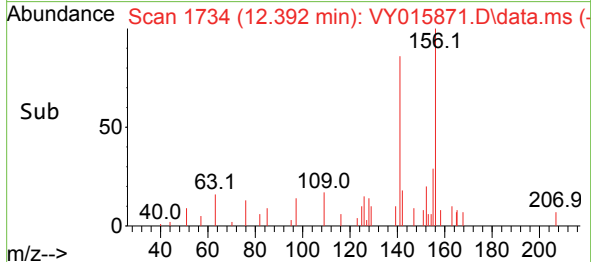


#77
Bromobenzene
Concen: 1.771 ug/l
RT: 12.392 min Scan# 1734
Delta R.T. -0.213 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44

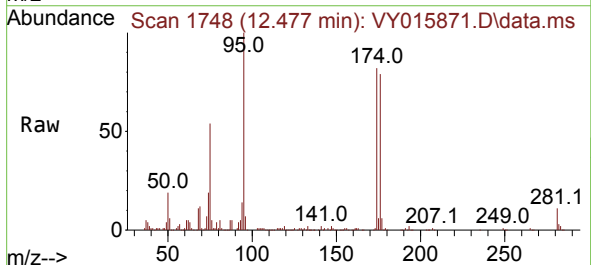
Instrument :
MSVOA_Y
ClientSampleId :



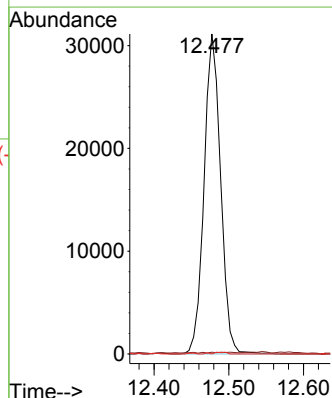
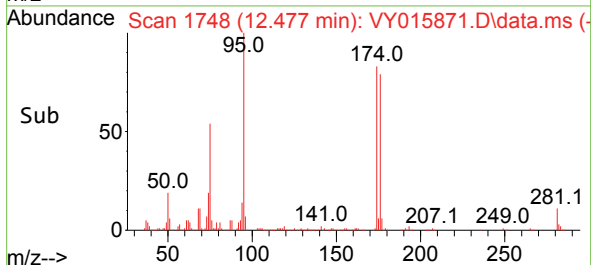
Tgt Ion:156 Resp: 2627
Ion Ratio Lower Upper
156 100
77 6.6 92.8 278.6#
158 2.0 48.4 145.3#

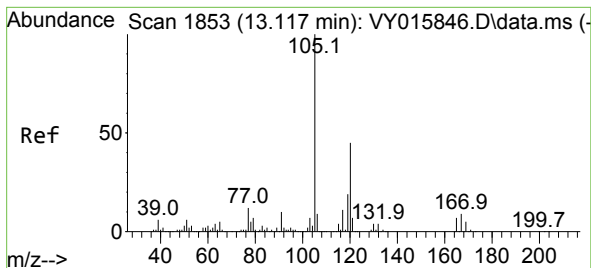


#81
trans-1,4-Dichloro-2-butene
Concen: 80.798 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY015871.D
Acq: 06 Oct 2023 18:44



Tgt Ion: 75 Resp: 47819
Ion Ratio Lower Upper
75 100
53 0.5 77.8 116.8#
89 0.4 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.136 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY015871.D

Acq: 06 Oct 2023 18:44

Instrument :

MSVOA_Y

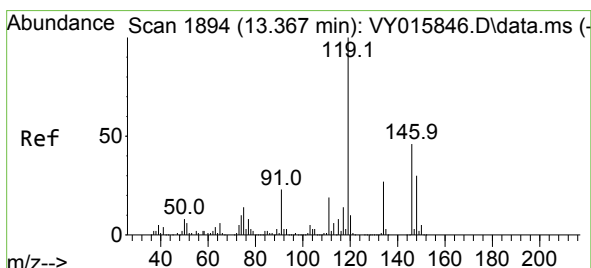
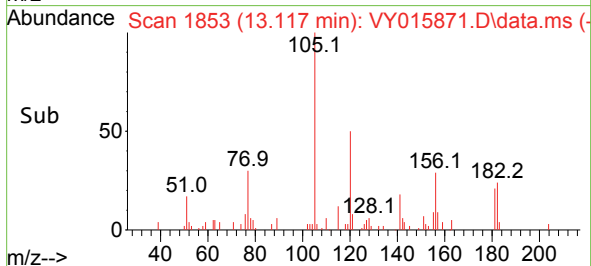
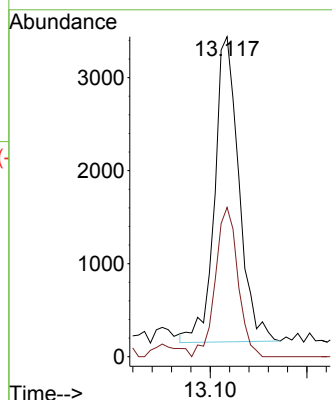
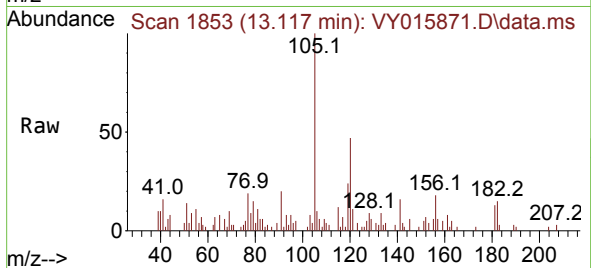
ClientSampleId :

Tgt Ion:105 Resp: 5700

Ion Ratio Lower Upper

105 100

120 45.5 22.2 66.6



#86

p-Isopropyltoluene

Concen: 1.414 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY015871.D

Acq: 06 Oct 2023 18:44

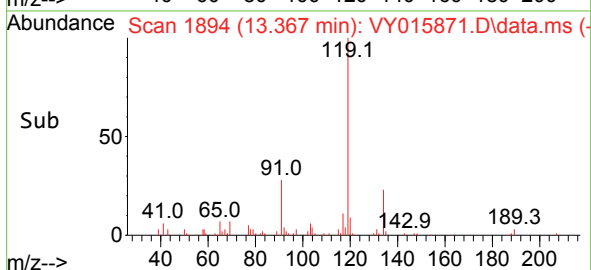
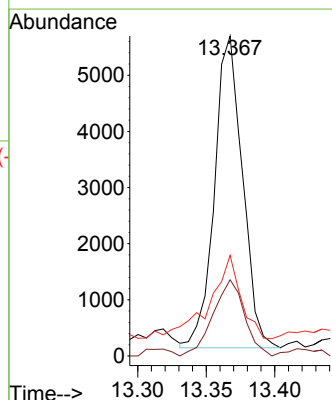
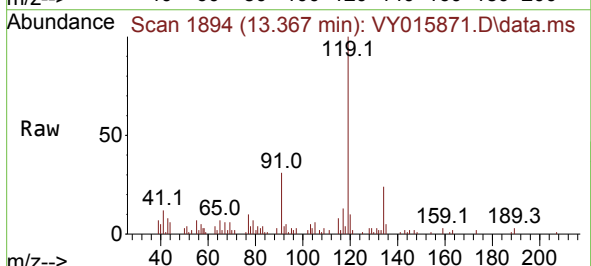
Tgt Ion:119 Resp: 7888

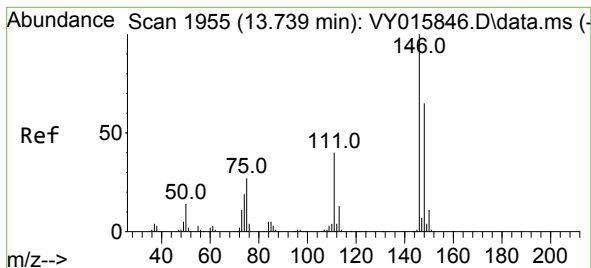
Ion Ratio Lower Upper

119 100

134 27.4 13.3 39.8

91 30.5 12.4 37.4





#91

1,2-Dichlorobenzene

Concen: 1.116 ug/l

RT: 13.879 min Scan# 1955

Delta R.T. 0.140 min

Lab File: VY015871.D

Acq: 06 Oct 2023 18:44

Instrument :

MSVOA_Y

ClientSampleId :

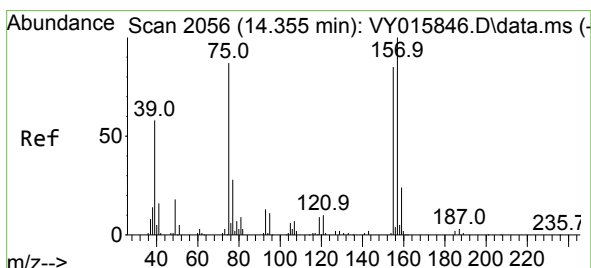
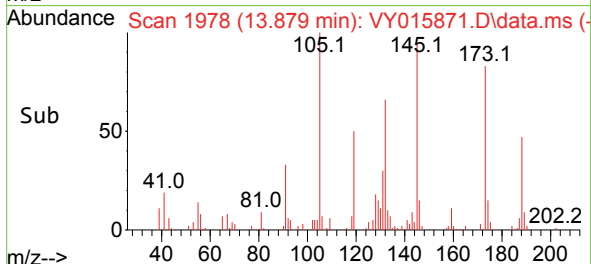
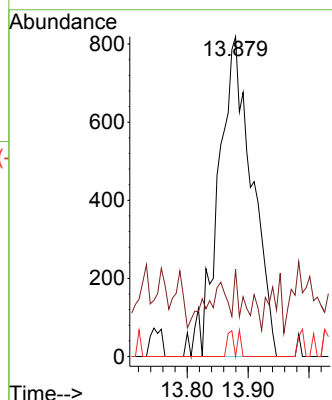
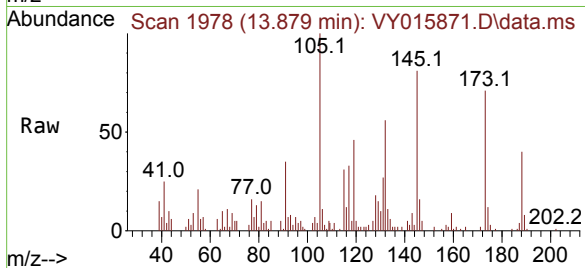
Tgt Ion:146 Resp: 3121

Ion Ratio Lower Upper

146 100

111 2.2 19.7 59.0#

148 2.3 32.0 96.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.446 ug/l

RT: 14.361 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VY015871.D

Acq: 06 Oct 2023 18:44

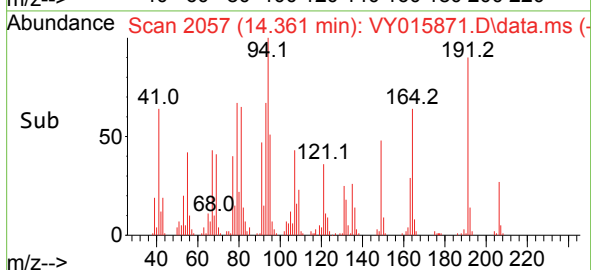
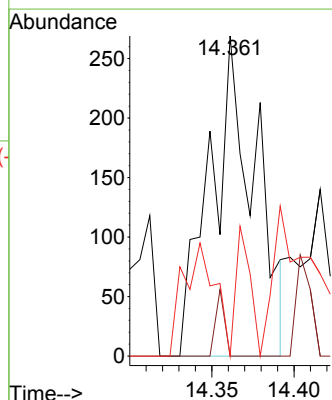
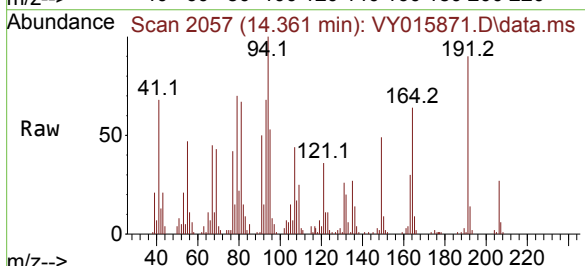
Tgt Ion: 75 Resp: 514

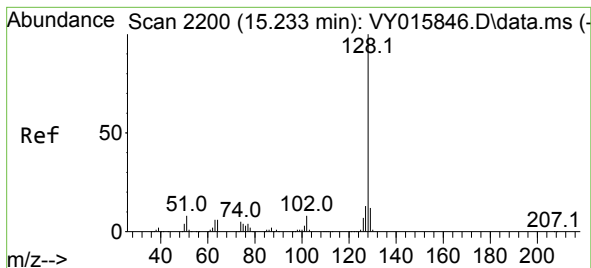
Ion Ratio Lower Upper

75 100

155 3.9 41.5 124.6#

157 12.6 51.8 155.5#





#95

Naphthalene

Concen: 279.272 ug/l

RT: 15.233 min Scan# 21

Delta R.T. 0.000 min

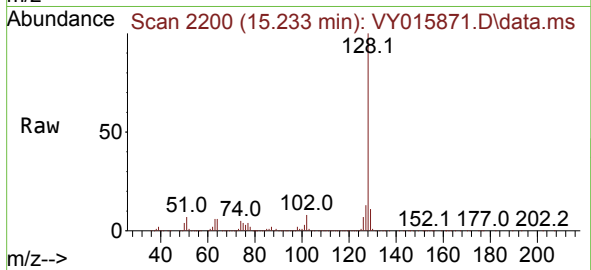
Lab File: VY015871.D

Acq: 06 Oct 2023 18:44

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 1355466

Ion Ratio Lower Upper

128 100

127 12.9 10.8 16.2

129 10.9 8.6 13.0

