

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
 Data File : VY015868.D
 Acq On : 06 Oct 2023 17:34
 Operator : SY/MD
 Sample : 04767-02
 Misc : 2.72g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 07 07:30:07 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)

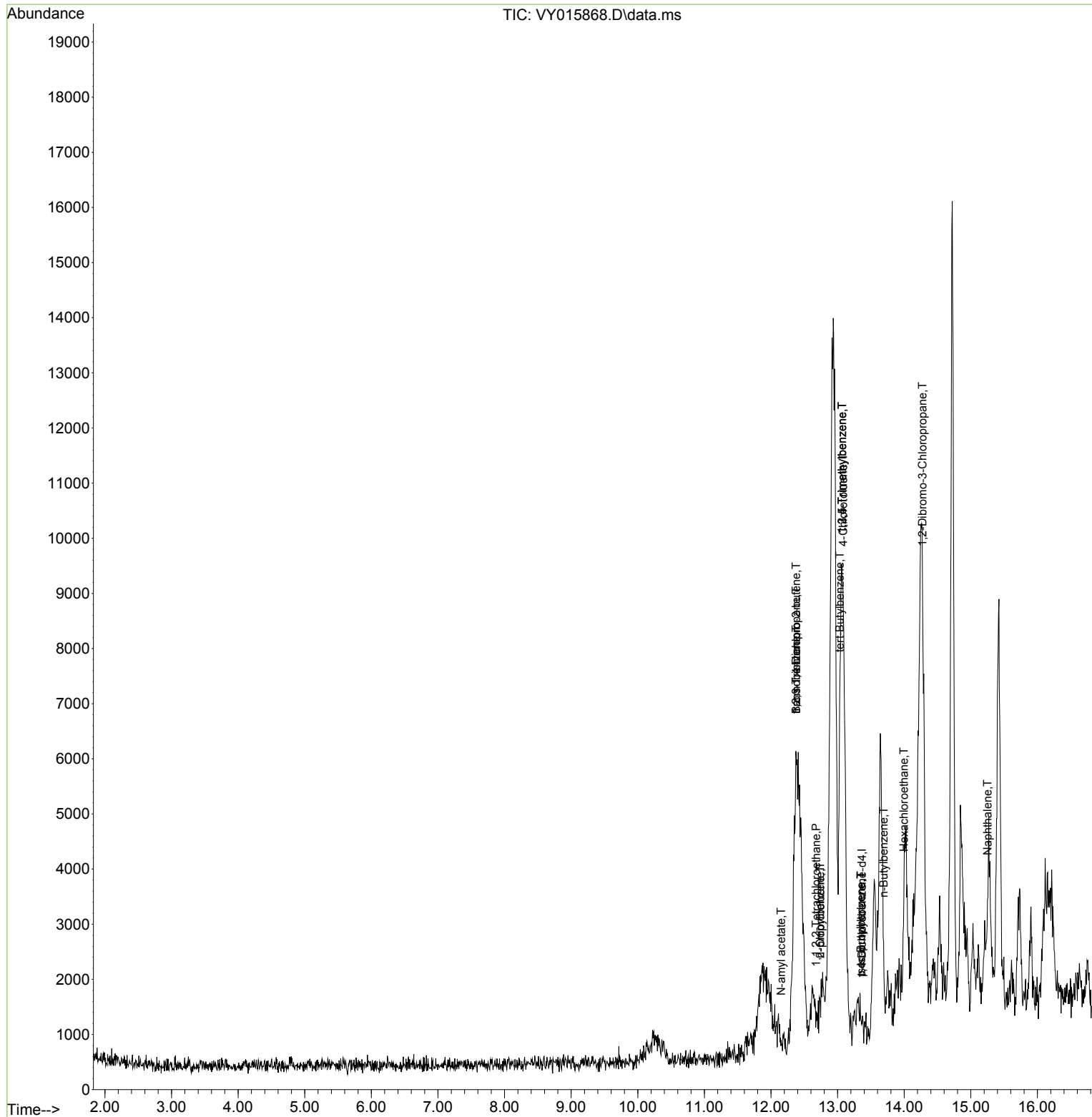
Internal Standards						
1) Pentafluorobenzene	0.000	168	0	0.000	ug/l	-7.79
34) 1,4-Difluorobenzene	0.000	114	0	0.000	ug/l	-8.69
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.49
72) 1,4-Dichlorobenzene-d4	13.367	152	75	50.000	ug/l	#-0.05
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0	0.000	ug/l	
Spiked Amount	50.000	Range	58 - 134	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	12.532	95	42	0.000	ug/l	0.05
Spiked Amount	50.000	Range	30 - 143	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
74) N-amyl acetate	12.154	43	27	14.382	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.678	83	23	16.026	ug/l #	26
76) 1,2,3-Trichloropropane	12.380	75	23	20.716	ug/l #	100
77) Bromobenzene	12.380	156	2462	2048.426	ug/l #	1
78) n-propylbenzene	12.739	91	111	19.074	ug/l #	53
79) 2-Chlorotoluene	12.739	91	111	33.122	ug/l #	40
80) 1,3,5-Trimethylbenzene	13.069	105	21	5.186	ug/l #	29
81) trans-1,4-Dichloro-2-b...	12.380	75	23	47.955	ug/l #	10
82) 4-Chlorotoluene	13.081	91	249	70.991	ug/l	88
83) tert-Butylbenzene	13.032	119	47	12.699	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.069	105	21	5.163	ug/l #	32
85) sec-Butylbenzene	13.349	105	27	4.972	ug/l #	56
86) p-Isopropyltoluene	13.355	119	28	6.192	ug/l #	28
89) n-Butylbenzene	13.690	91	135	31.375	ug/l #	35
90) Hexachloroethane	13.995	117	22	24.926	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.276	75	152	527.830	ug/l #	3
95) Naphthalene	15.251	128	995	252.969	ug/l #	81

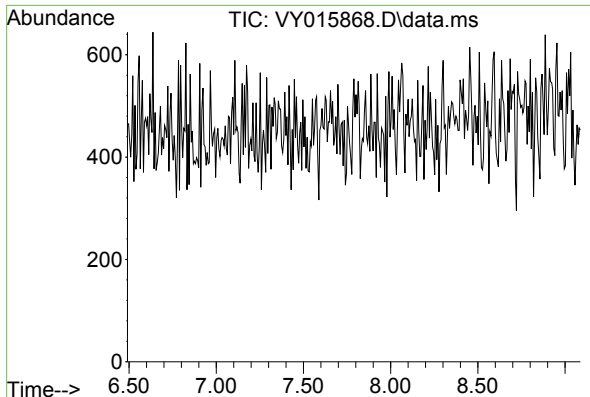
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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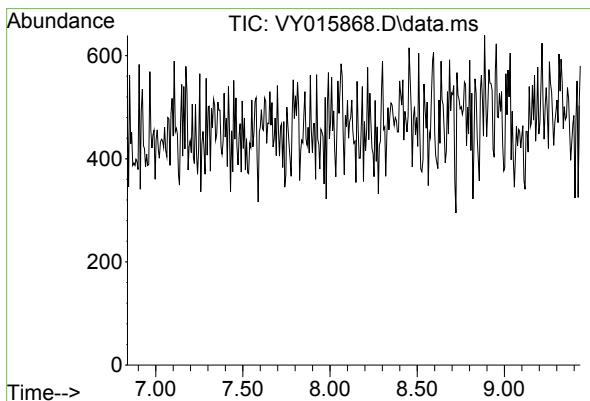
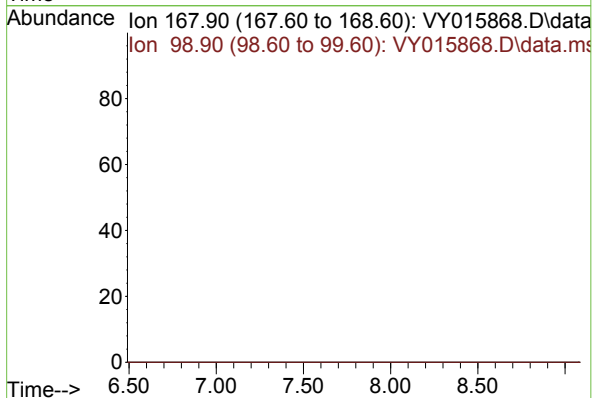


#1
Pentafluorobenzene
Concen: 0.000 ug/l
Expected RT: 7.79 min

Lab File: VY015868.D
Acq: 06 Oct 2023 17:34

Instrument :
MSVOA_Y
ClientSampleId :

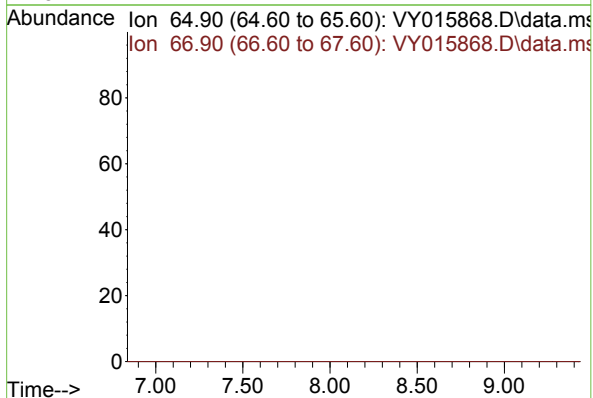
Tgt Ion: 168
Sig Exp Ratio
168 100
99 54.2

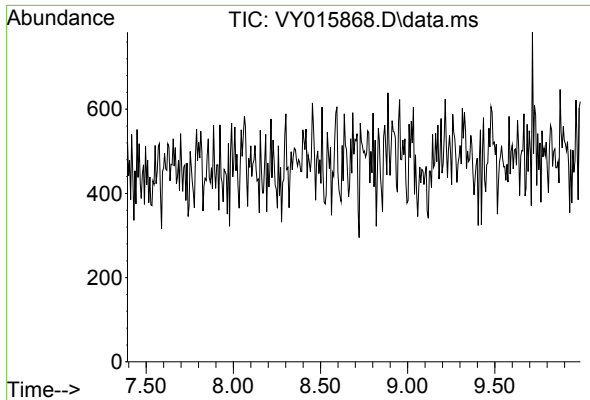


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.14 min

Lab File: VY015868.D
Acq: 06 Oct 2023 17:34

Tgt Ion: 65
Sig Exp Ratio
65 100
67 50.9



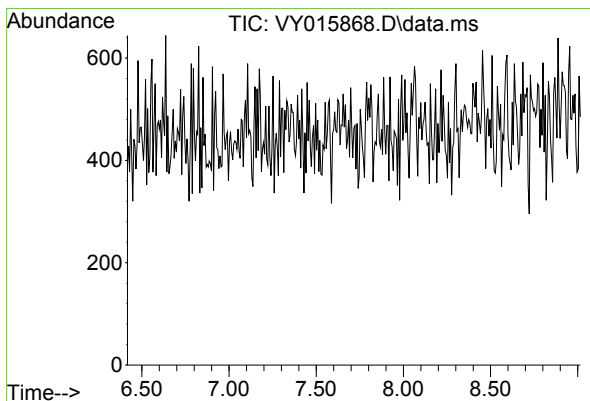
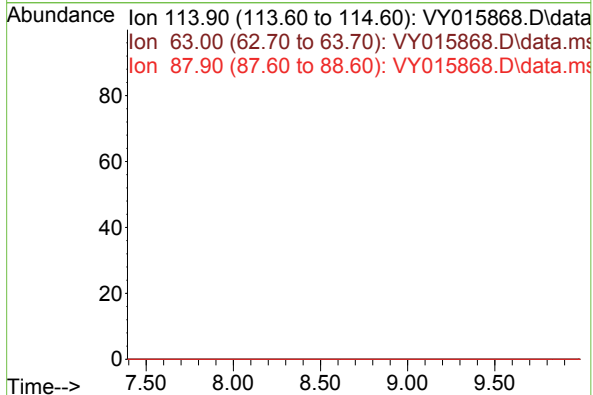


#34
1,4-Difluorobenzene
Concen: 0.000 ug/l
Expected RT: 8.69 min

Lab File: VY015868.D
Acq: 06 Oct 2023 17:34

Instrument :
MSVOA_Y
ClientSampleId :

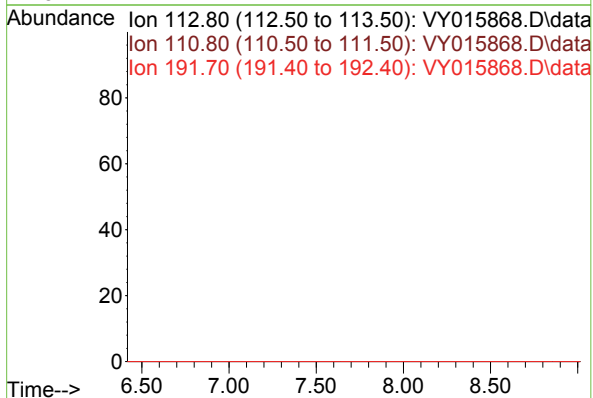
Tgt Ion: 114
Sig Exp Ratio
114 100
63 21.2
88 15.3

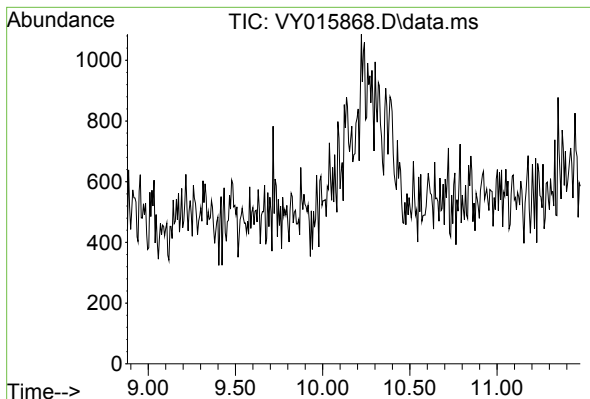


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 7.72 min

Lab File: VY015868.D
Acq: 06 Oct 2023 17:34

Tgt Ion: 113
Sig Exp Ratio
113 100
111 101.6
192 21.1

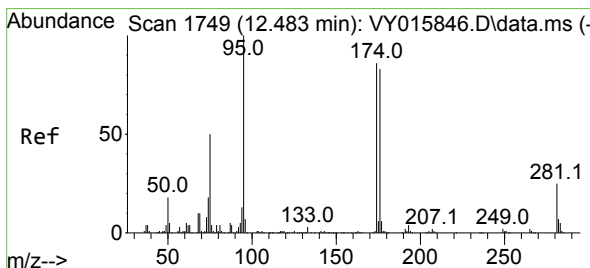
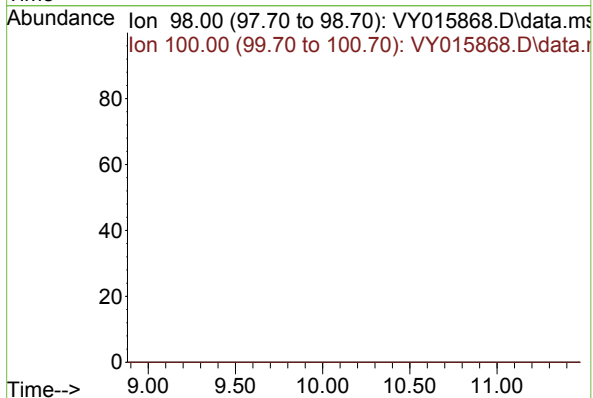




#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.18 min
Lab File: VY015868.D
Acq: 06 Oct 2023 17:34

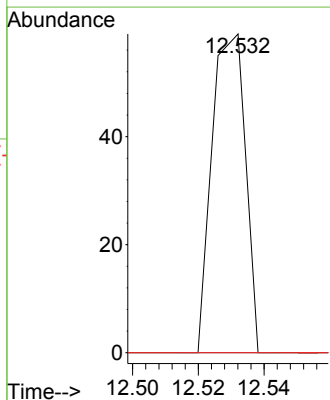
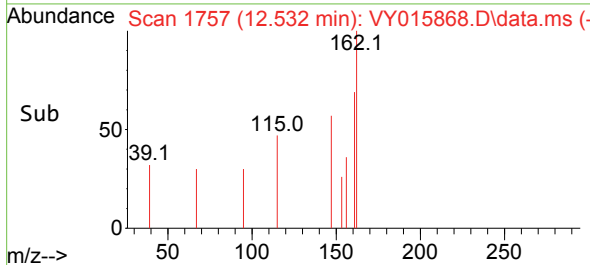
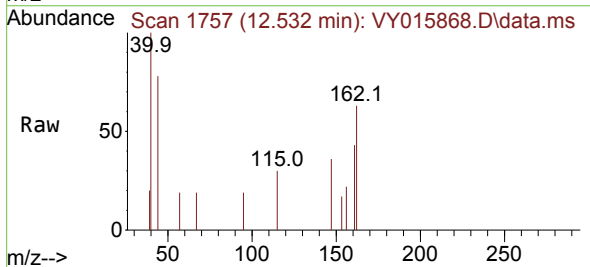
Instrument :
MSVOA_Y
ClientSampleId :

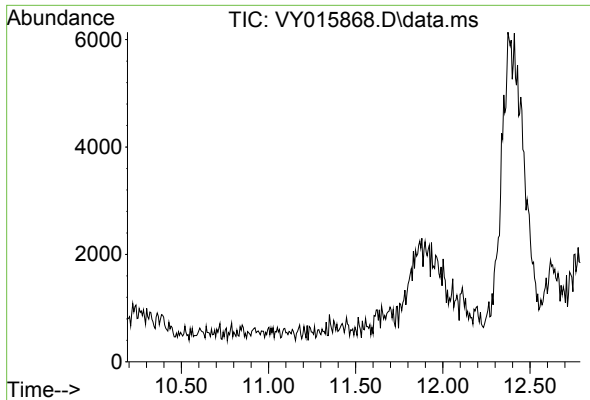
Tgt Ion: 98
Sig Exp Ratio
98 100
100 62.6



#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
RT: 12.532 min Scan# 1757
Delta R.T. 0.049 min
Lab File: VY015868.D
Acq: 06 Oct 2023 17:34

Tgt Ion: 95 Resp: 42
Ion Ratio Lower Upper
95 100
174 0.0 0.0 178.2
176 0.0 0.0 173.8

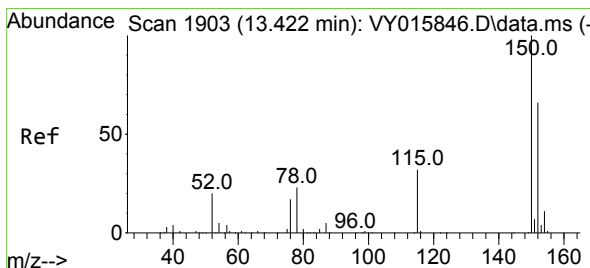
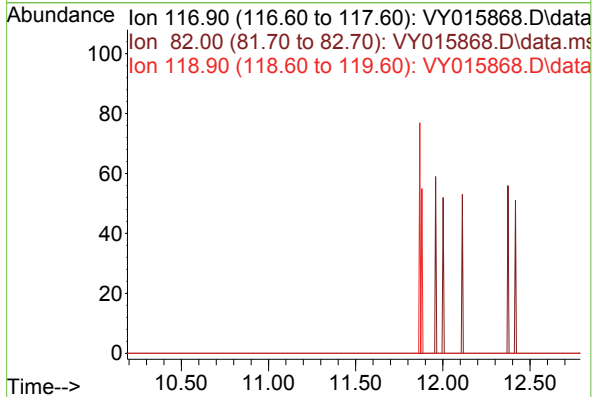




#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 11.49 min
 Lab File: VY015868.D
 Acq: 06 Oct 2023 17:34

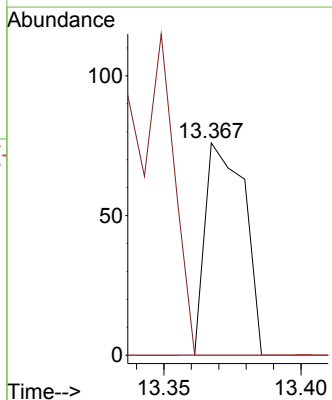
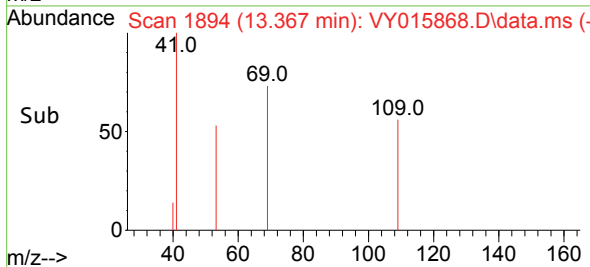
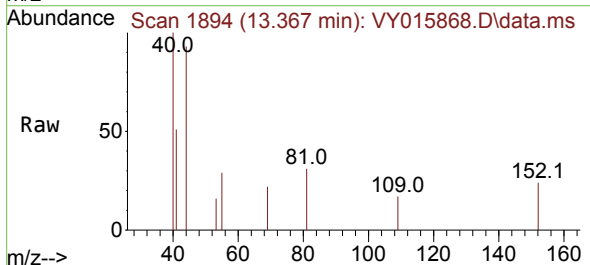
Instrument :
 MSVOA_Y
 ClientSampleId :

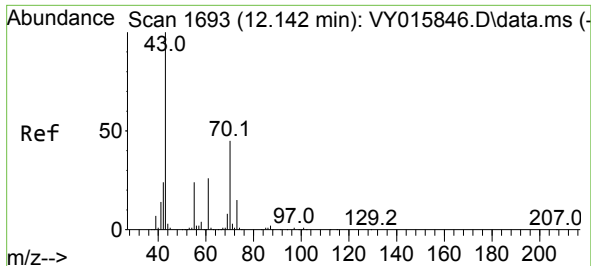
Tgt Ion: 117
 Sig Exp Ratio
 117 100
 82 54.2
 119 32.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. -0.055 min
 Lab File: VY015868.D
 Acq: 06 Oct 2023 17:34

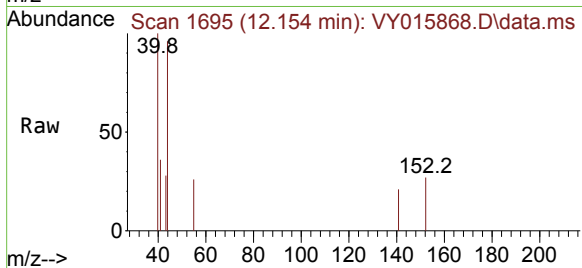
Tgt Ion: 152 Resp: 75
 Ion Ratio Lower Upper
 152 100
 115 160.0 28.8 86.5#
 150 0.0 0.0 348.8



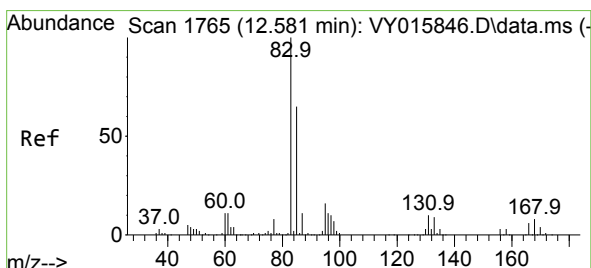
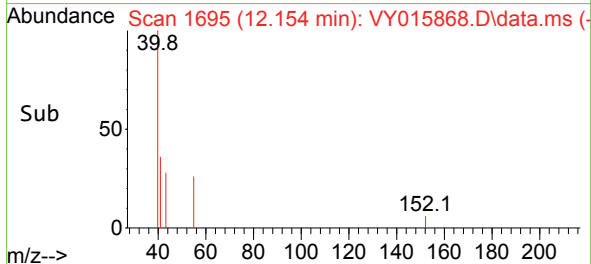
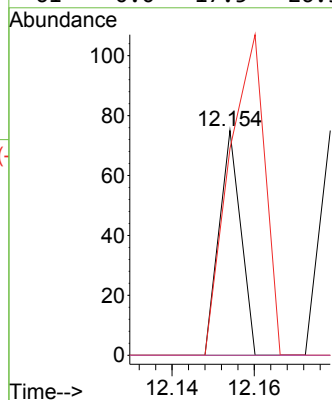


#74
N-amy1 acetate
Concen: 14.382 ug/l
RT: 12.154 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY015868.D
Acq: 06 Oct 2023 17:34

Instrument :
MSVOA_Y
ClientSampleId :

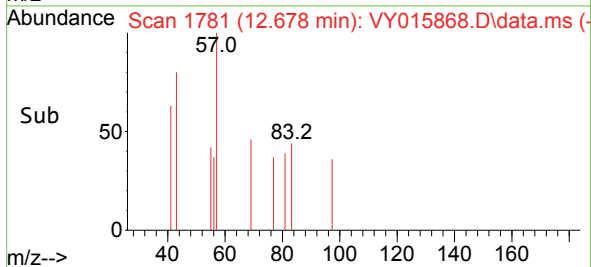
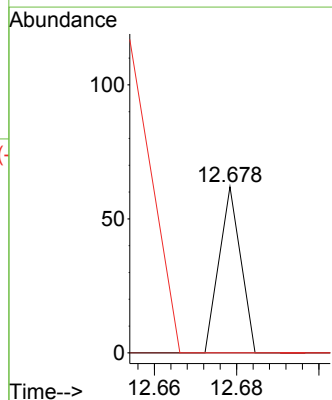
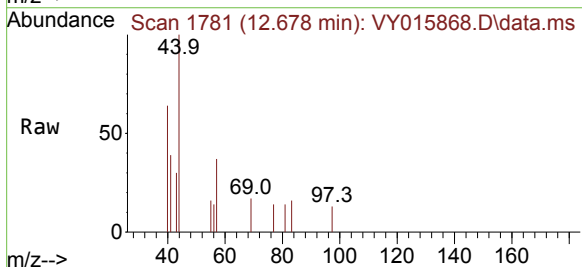


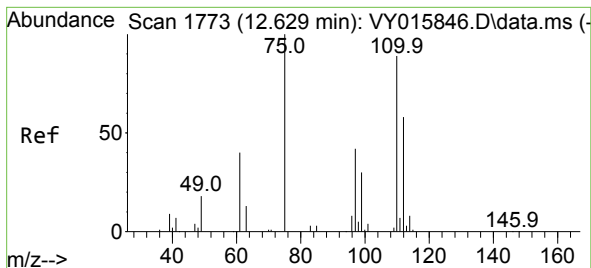
Tgt Ion: 43	Resp:	27	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.7	44.5#
55	237.0	18.3	27.5#
61	0.0	17.5	26.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 16.026 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.098 min
Lab File: VY015868.D
Acq: 06 Oct 2023 17:34

Tgt Ion: 83	Resp: 23
Ion Ratio	Lower Upper
83 100	
131 0.0	5.4 16.2#
85 0.0	31.8 95.4#

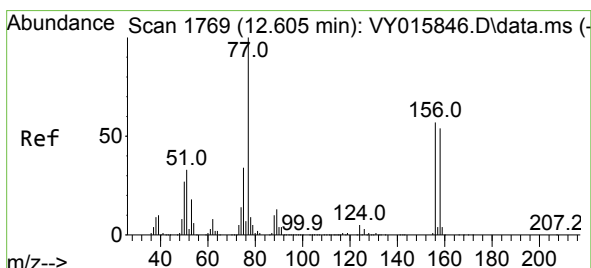
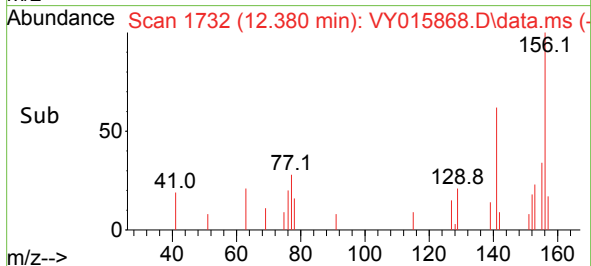
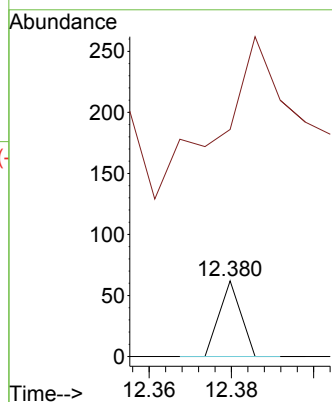
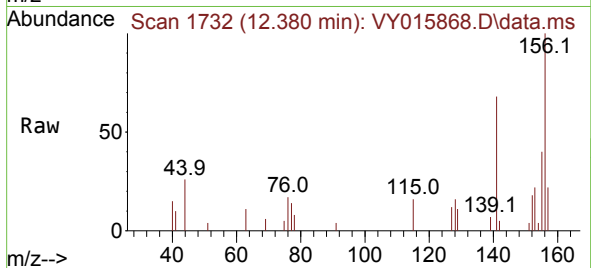




#76
1,2,3-Trichloropropane
Concen: 20.716 ug/l
RT: 12.380 min Scan# 1732
Delta R.T. -0.250 min
Lab File: VY015868.D
Acq: 06 Oct 2023 17:34

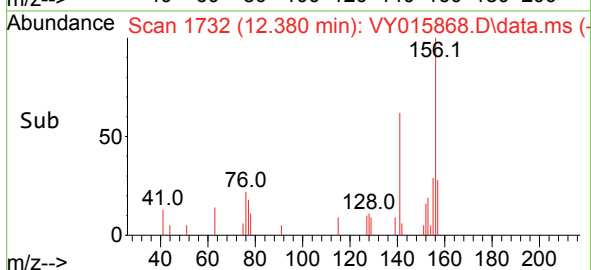
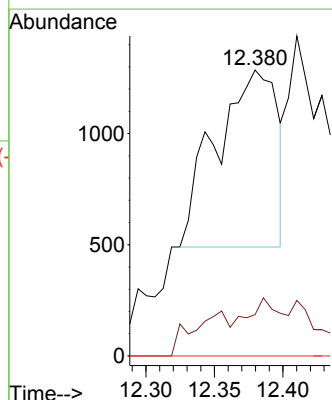
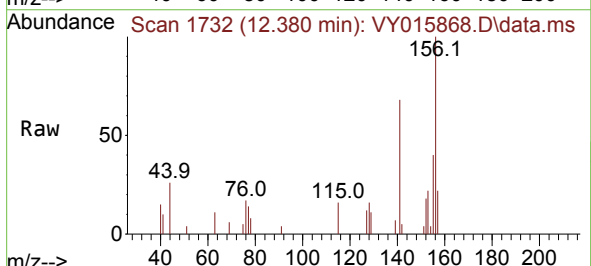
Instrument :
MSVOA_Y
ClientSampleId :

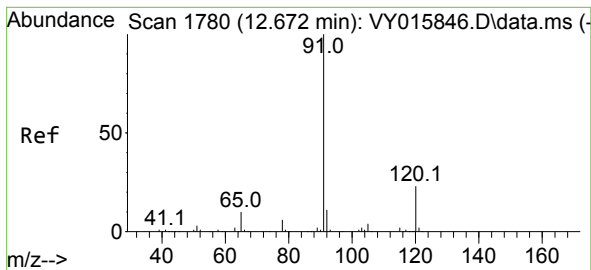
Tgt Ion: 75 Resp: 23
Ion Ratio Lower Upper
75 100
77 339.1 0.0 0.0#



#77
Bromobenzene
Concen: 2048.426 ug/l
RT: 12.380 min Scan# 1732
Delta R.T. -0.225 min
Lab File: VY015868.D
Acq: 06 Oct 2023 17:34

Tgt Ion: 156 Resp: 2462
Ion Ratio Lower Upper
156 100
77 4.6 92.8 278.6#
158 0.0 48.4 145.3#





#78

n-propylbenzene

Concen: 19.074 ug/l

RT: 12.739 min Scan# 1791

Delta R.T. 0.067 min

Lab File: VY015868.D

Acq: 06 Oct 2023 17:34

Instrument :

MSVOA_Y

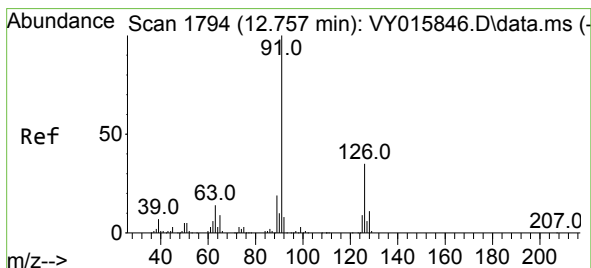
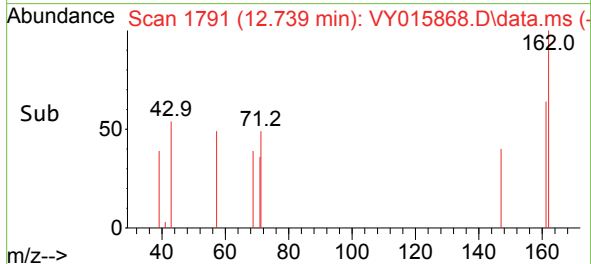
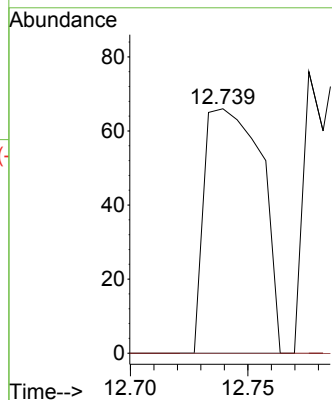
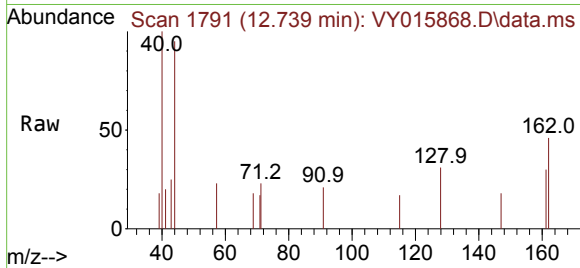
ClientSampleId :

Tgt Ion: 91 Resp: 111

Ion Ratio Lower Upper

91 100

120 0.0 11.5 34.4#



#79

2-Chlorotoluene

Concen: 33.122 ug/l

RT: 12.739 min Scan# 1791

Delta R.T. -0.018 min

Lab File: VY015868.D

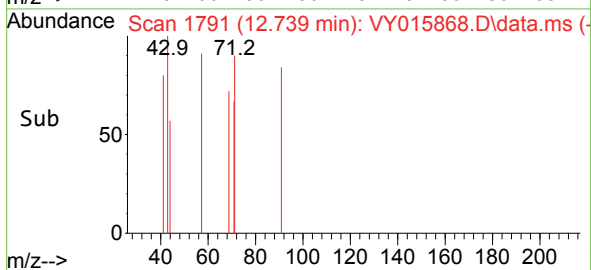
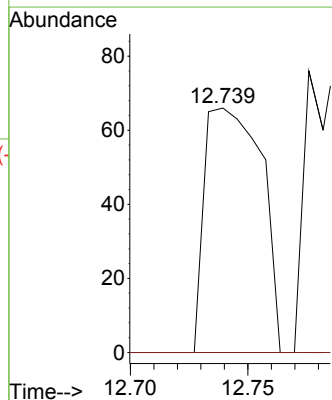
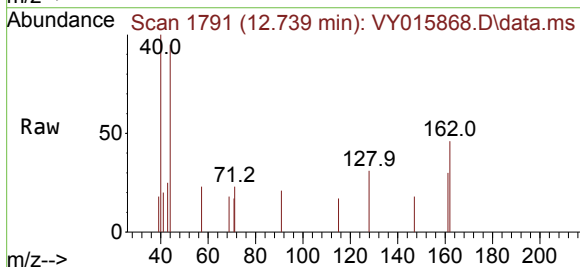
Acq: 06 Oct 2023 17:34

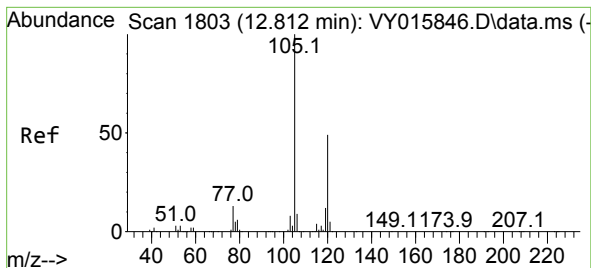
Tgt Ion: 91 Resp: 111

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.7#





#80

1,3,5-Trimethylbenzene

Concen: 5.186 ug/l

RT: 13.069 min Scan# 11

Delta R.T. 0.256 min

Lab File: VY015868.D

Acq: 06 Oct 2023 17:34

Instrument :

MSVOA_Y

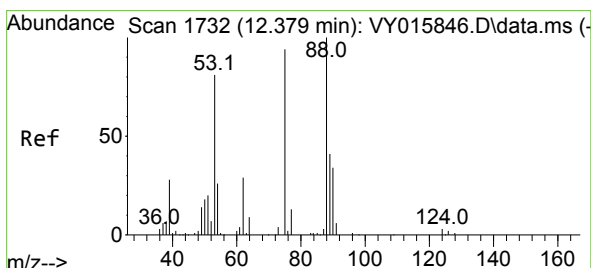
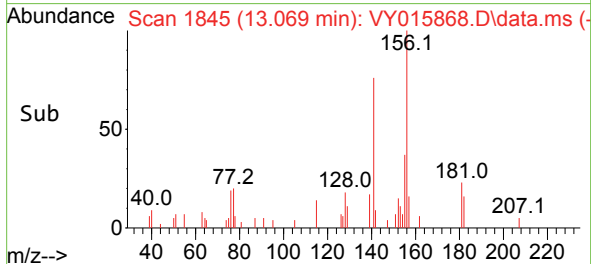
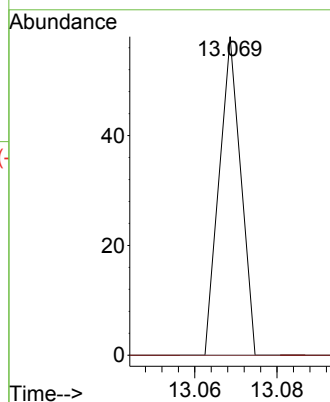
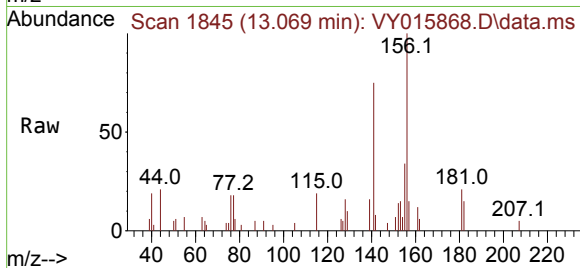
ClientSampleId :

Tgt Ion:105 Resp: 21

Ion Ratio Lower Upper

105 100

120 0.0 23.9 71.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 47.955 ug/l

RT: 12.380 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VY015868.D

Acq: 06 Oct 2023 17:34

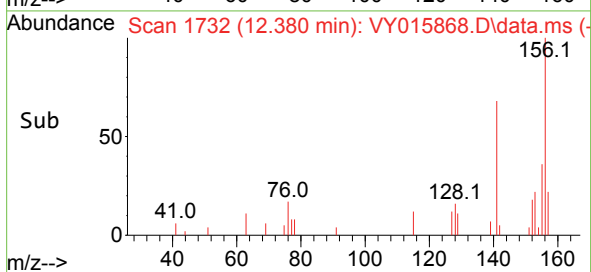
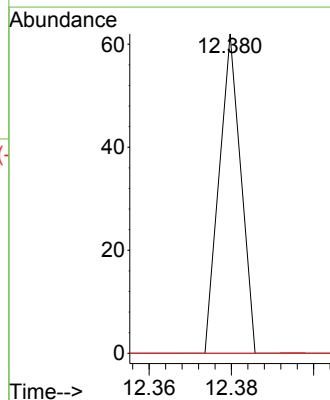
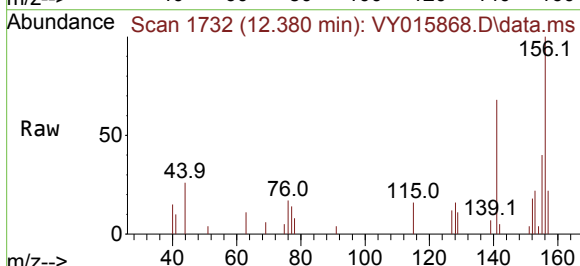
Tgt Ion: 75 Resp: 23

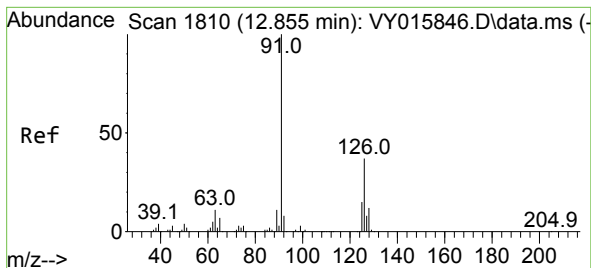
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

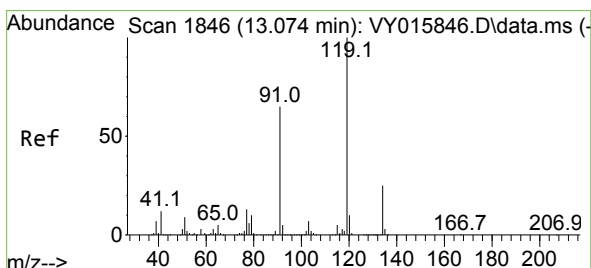
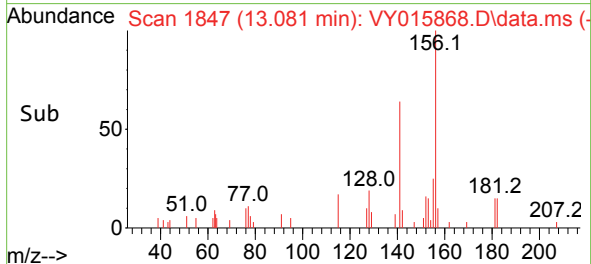
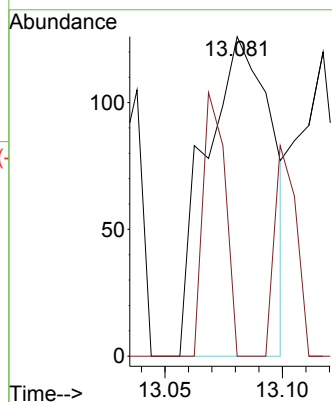
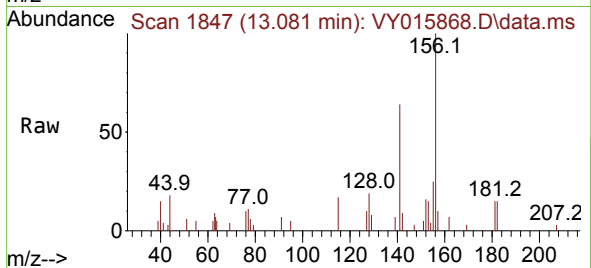




#82
4-Chlorotoluene
Concen: 70.991 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. 0.226 min
Lab File: VY015868.D
Acq: 06 Oct 2023 17:34

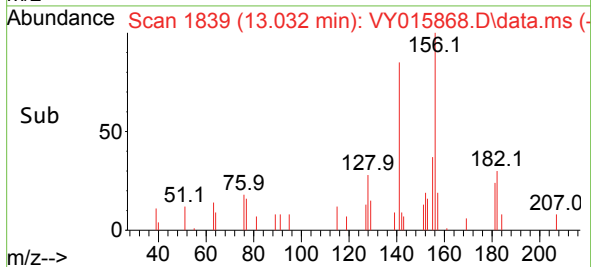
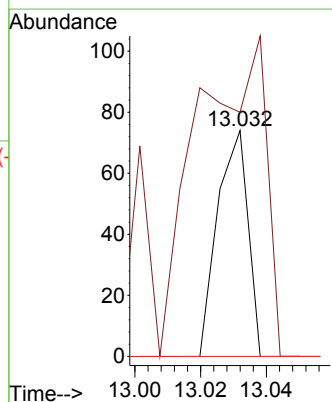
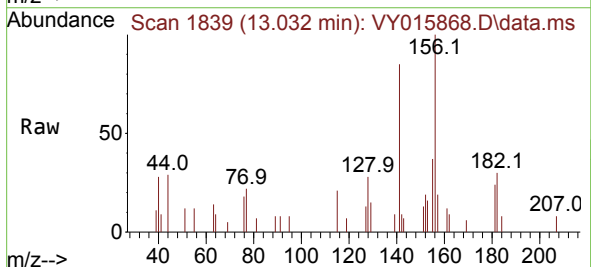
Instrument :
MSVOA_Y
ClientSampleId :

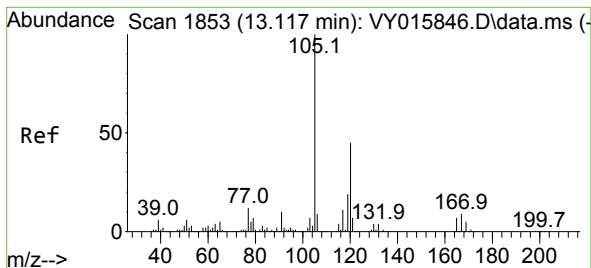
Tgt Ion: 91 Resp: 249
Ion Ratio Lower Upper
91 100
126 27.3 17.2 51.6



#83
tert-Butylbenzene
Concen: 12.699 ug/l
RT: 13.032 min Scan# 1839
Delta R.T. -0.042 min
Lab File: VY015868.D
Acq: 06 Oct 2023 17:34

Tgt Ion: 119 Resp: 47
Ion Ratio Lower Upper
119 100
91 319.1 32.9 98.6#
134 0.0 13.0 38.9#





#84

1,2,4-Trimethylbenzene

Concen: 5.163 ug/l

RT: 13.069 min Scan# 1891

Delta R.T. -0.049 min

Lab File: VY015868.D

Acq: 06 Oct 2023 17:34

Instrument :

MSVOA_Y

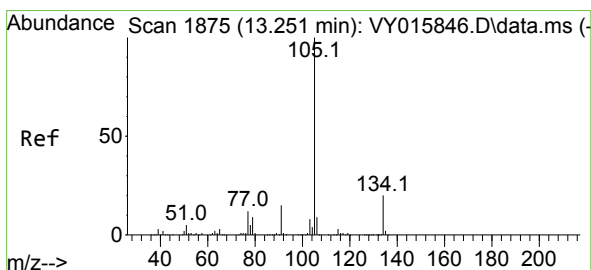
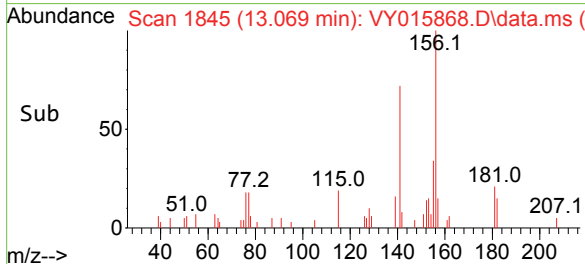
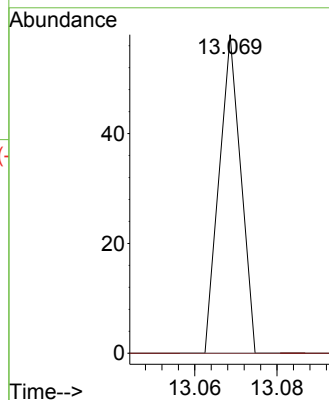
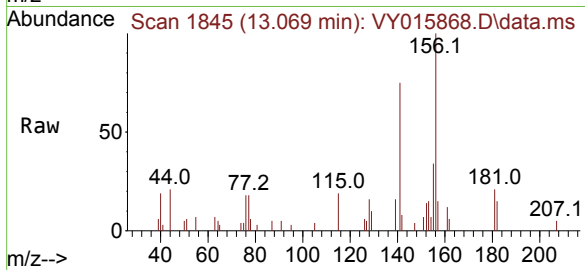
ClientSampleId :

Tgt Ion:105 Resp: 21

Ion Ratio Lower Upper

105 100

120 0.0 22.2 66.6#



#85

sec-Butylbenzene

Concen: 4.972 ug/l

RT: 13.349 min Scan# 1891

Delta R.T. 0.098 min

Lab File: VY015868.D

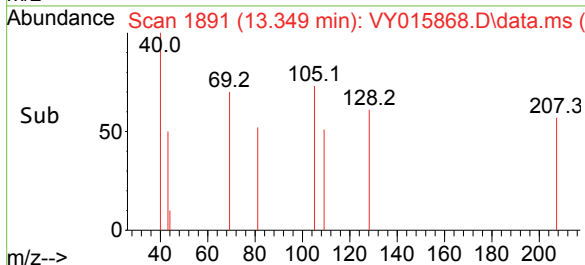
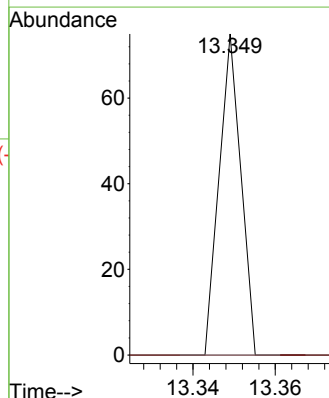
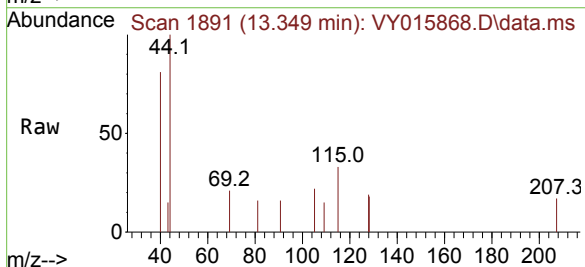
Acq: 06 Oct 2023 17:34

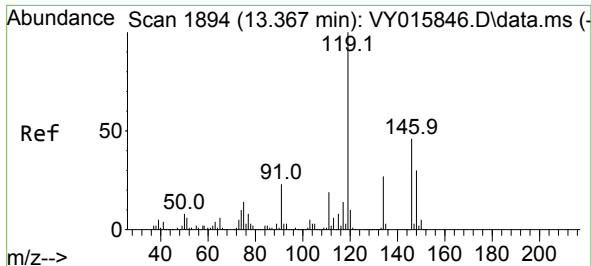
Tgt Ion:105 Resp: 27

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#

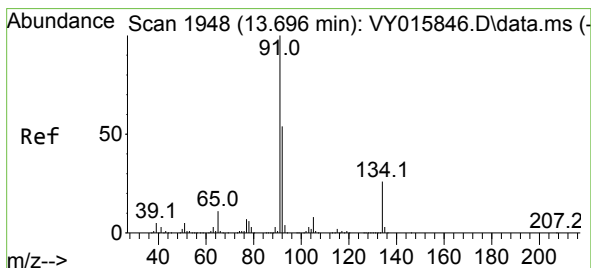
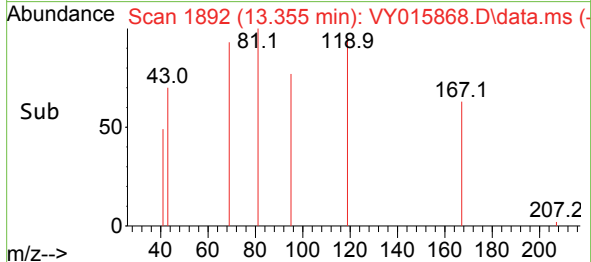
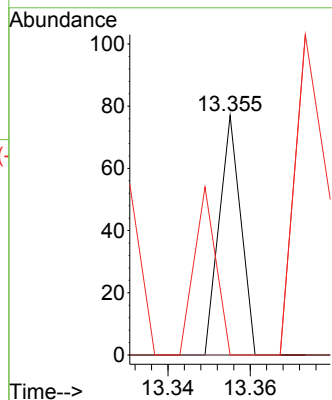
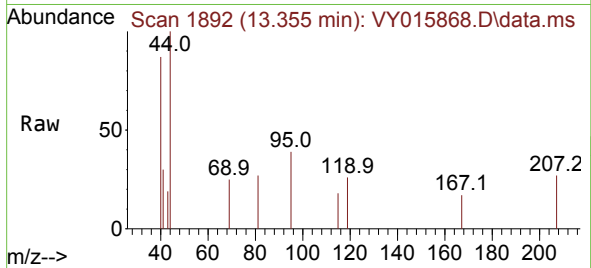




#86
p-Isopropyltoluene
Concen: 6.192 ug/l
RT: 13.355 min Scan# 1892
Delta R.T. -0.012 min
Lab File: VY015868.D
Acq: 06 Oct 2023 17:34

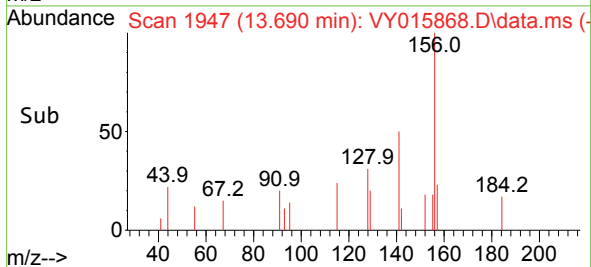
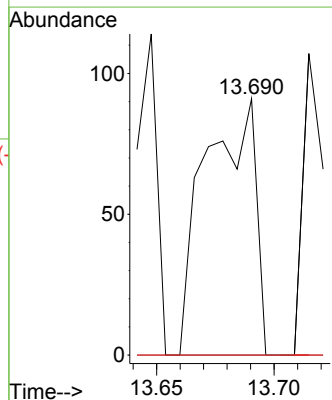
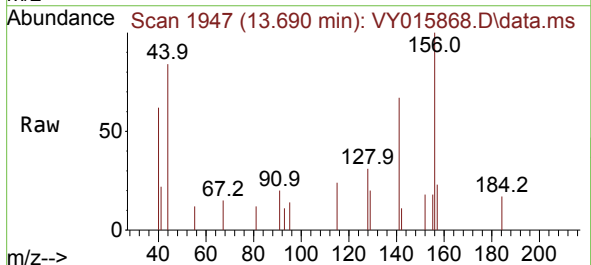
Instrument :
MSVOA_Y
ClientSampleId :

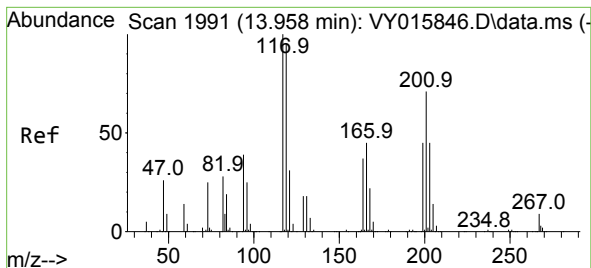
Tgt Ion:119 Resp: 28
Ion Ratio Lower Upper
119 100
134 0.0 13.3 39.8#
91 71.4 12.4 37.4#



#89
n-Butylbenzene
Concen: 31.375 ug/l
RT: 13.690 min Scan# 1947
Delta R.T. -0.006 min
Lab File: VY015868.D
Acq: 06 Oct 2023 17:34

Tgt Ion: 91 Resp: 135
Ion Ratio Lower Upper
91 100
92 0.0 25.4 76.0#
134 0.0 12.6 37.6#

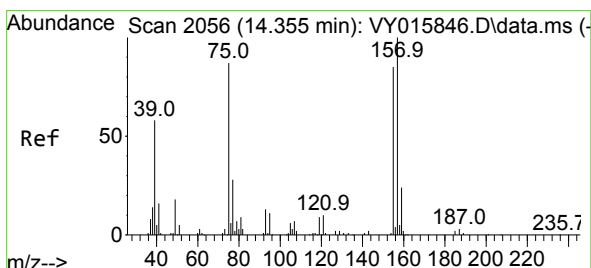
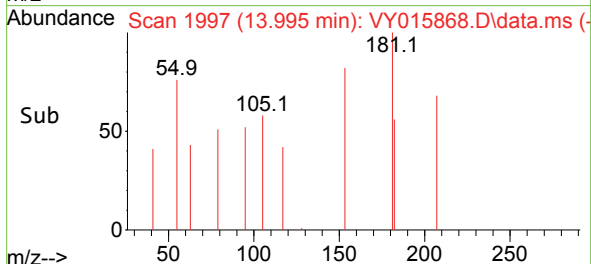
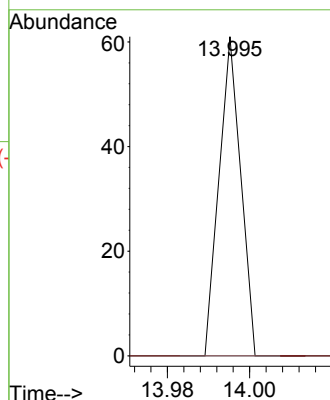
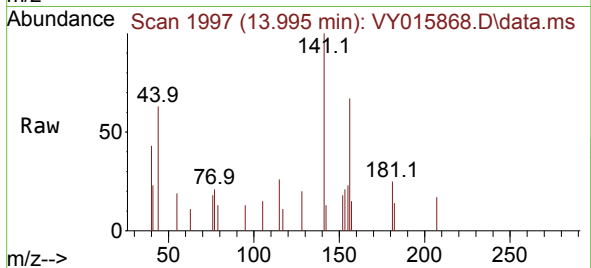




#90
Hexachloroethane
Concen: 24.926 ug/l
RT: 13.995 min Scan# 1997
Delta R.T. 0.037 min
Lab File: VY015868.D
Acq: 06 Oct 2023 17:34

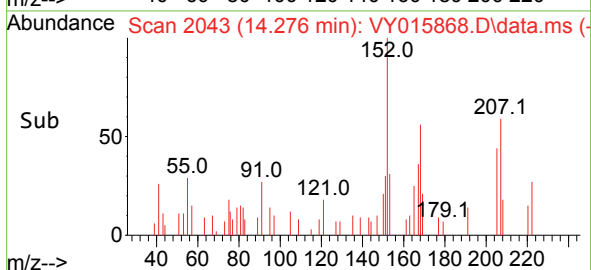
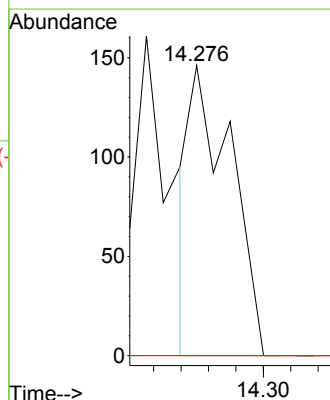
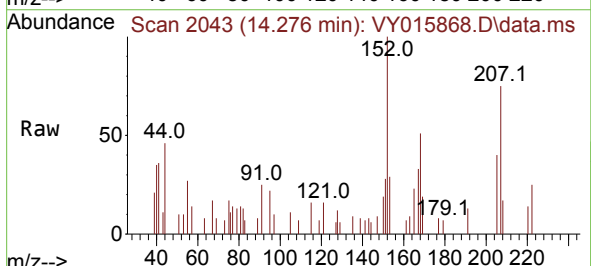
Instrument :
MSVOA_Y
ClientSampleId :

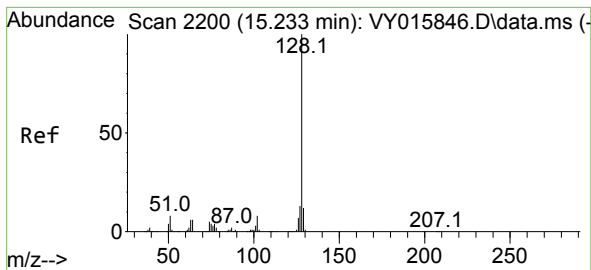
Tgt Ion:117 Resp: 22
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 527.830 ug/l
RT: 14.276 min Scan# 2043
Delta R.T. -0.079 min
Lab File: VY015868.D
Acq: 06 Oct 2023 17:34

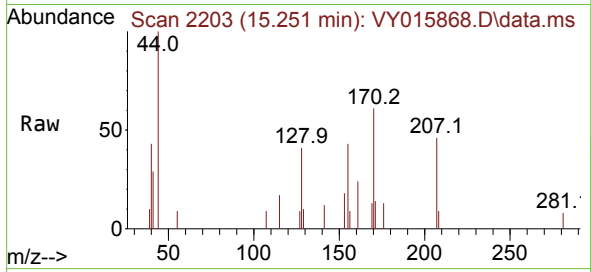
Tgt Ion: 75 Resp: 152
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.0 51.8 155.5#





#95
Naphthalene
Concen: 252.969 ug/l
RT: 15.251 min Scan# 21
Delta R.T. 0.018 min
Lab File: VY015868.D
Acq: 06 Oct 2023 17:34

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	995
Ion	Ratio	Lower	Upper
128	100		
127	8.1	10.8	16.2#
129	20.7	8.6	13.0#

