

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013422.D
 Acq On : 25 Apr 2023 02:40
 Operator : KP/MD
 Sample : 02427-03
 Misc : 5.58g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230306-28-4

Quant Time: Apr 25 07:14:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

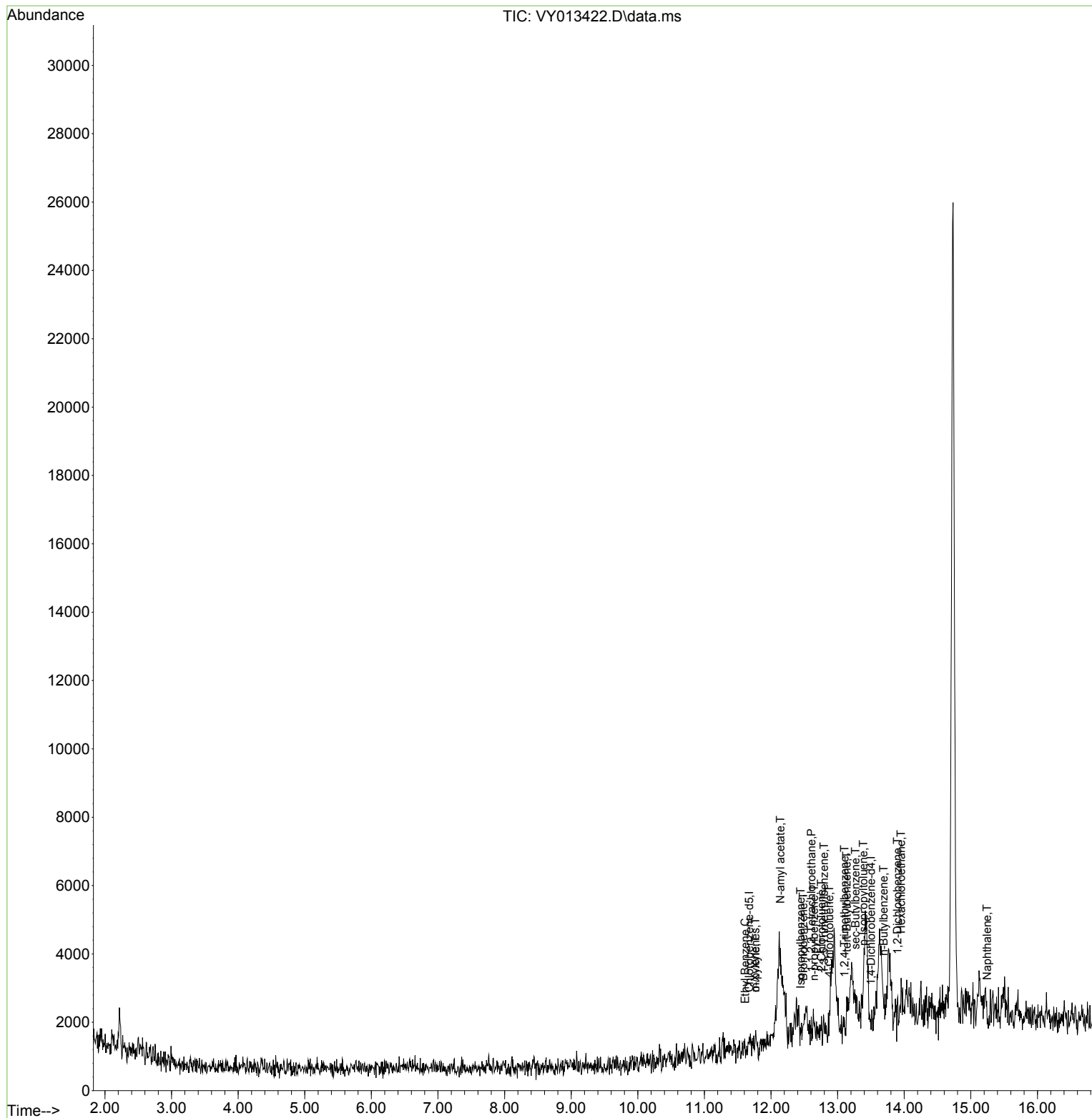
Internal Standards						
1) Pentafluorobenzene	0.000	168	0	0.000	ug/l	-7.79
34) 1,4-Difluorobenzene	0.000	114	0	0.000	ug/l	-8.69
63) Chlorobenzene-d5	11.672	117	40	50.000	ug/l	# 0.18
72) 1,4-Dichlorobenzene-d4	13.501	152	29	50.000	ug/l	# 0.08
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	12.508	95	372	0.000	ug/l	0.03
Spiked Amount	50.000	Range	30 - 143	Recovery	=	0.000%#
Target Compounds						Qvalue
67) Ethyl Benzene	11.611	91	96	62.741	ug/l #	43
68) m/p-Xylenes	11.764	106	23	39.541	ug/l #	39
69) o-Xylene	11.764	106	23	41.809	ug/l	35
73) Isopropylbenzene	12.447	105	19	8.662	ug/l #	1
74) N-amyl acetate	12.142	43	108	138.362	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.605	83	20	37.304	ug/l #	1
77) Bromobenzene	12.483	156	109	205.087	ug/l #	1
78) n-propylbenzene	12.648	91	93	34.422	ug/l #	51
79) 2-Chlorotoluene	12.757	91	77	51.036	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.794	105	32	17.874	ug/l #	28
82) 4-Chlorotoluene	12.873	91	62	39.427	ug/l #	39
83) tert-Butylbenzene	13.135	119	113	72.854	ug/l #	27
84) 1,2,4-Trimethylbenzene	13.105	105	48	27.577	ug/l #	31
85) sec-Butylbenzene	13.270	105	49	21.050	ug/l #	56
86) p-Isopropyltoluene	13.385	119	50	26.710	ug/l #	50
89) n-Butylbenzene	13.690	91	23	12.588	ug/l #	34
90) Hexachloroethane	13.952	117	46	116.755	ug/l #	8
91) 1,2-Dichlorobenzene	13.898	146	41	44.839	ug/l #	25
95) Naphthalene	15.245	128	60	50.726	ug/l #	21

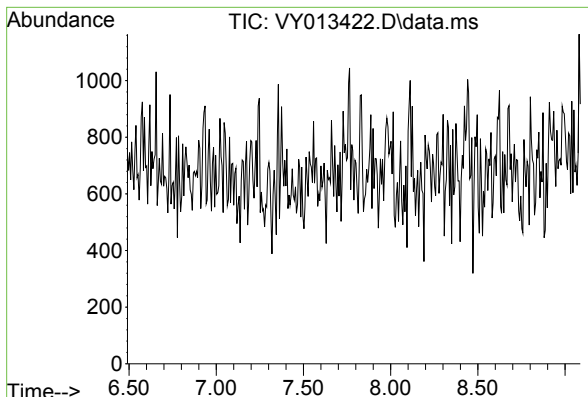
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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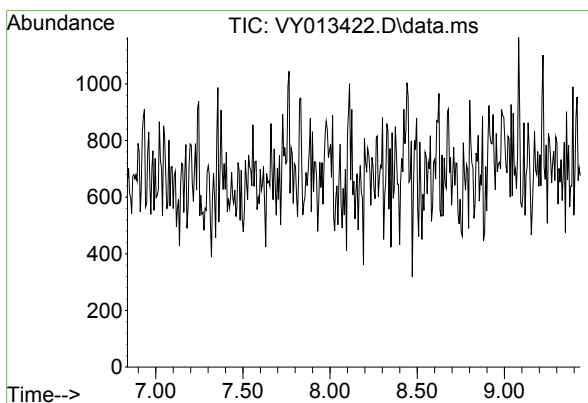
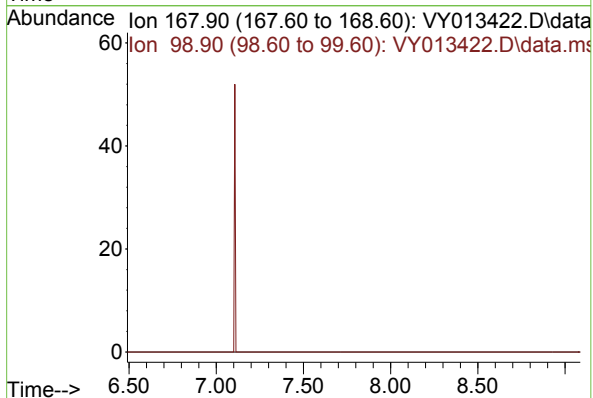


#1
Pentafluorobenzene
Concen: 0.000 ug/l
Expected RT: 7.79 min

Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

Instrument :
MSVOA_Y
ClientSampleId :
20230306-28-4

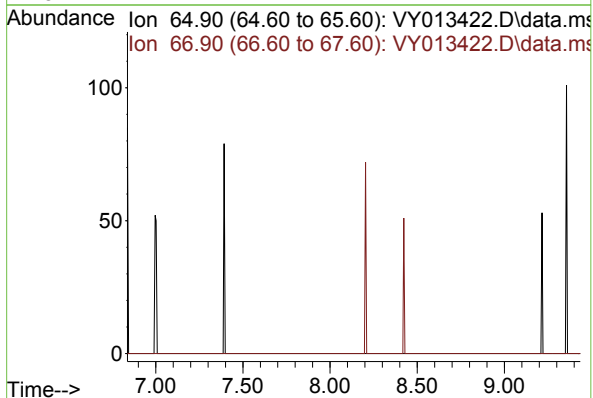
Tgt Ion: 168
Sig Exp Ratio
168 100
99 52.2

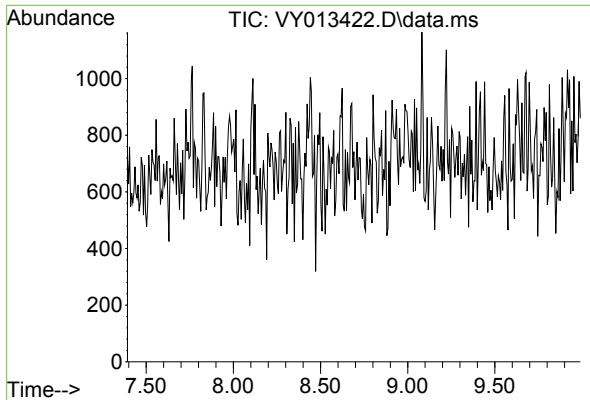


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.14 min

Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

Tgt Ion: 65
Sig Exp Ratio
65 100
67 51.7



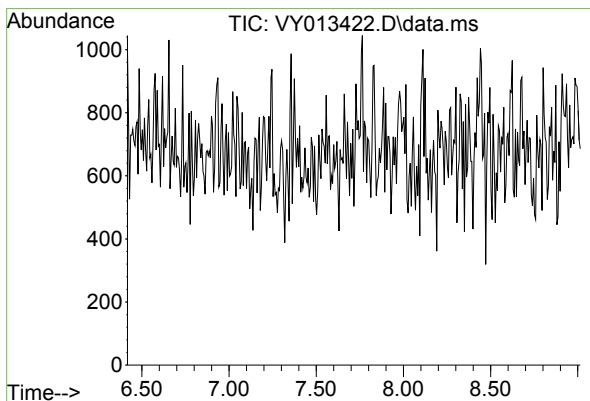
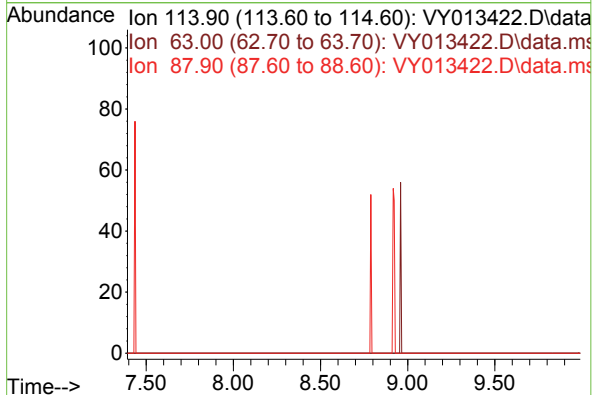


#34
1,4-Difluorobenzene
Concen: 0.000 ug/l
Expected RT: 8.69 min

Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

Instrument :
MSVOA_Y
ClientSampleId :
20230306-28-4

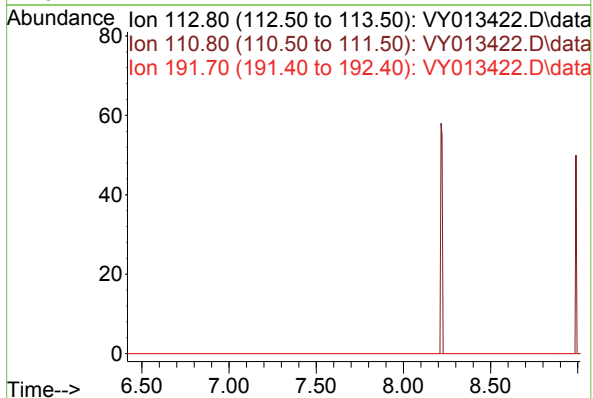
Tgt Ion: 114
Sig Exp Ratio
114 100
63 18.3
88 14.4

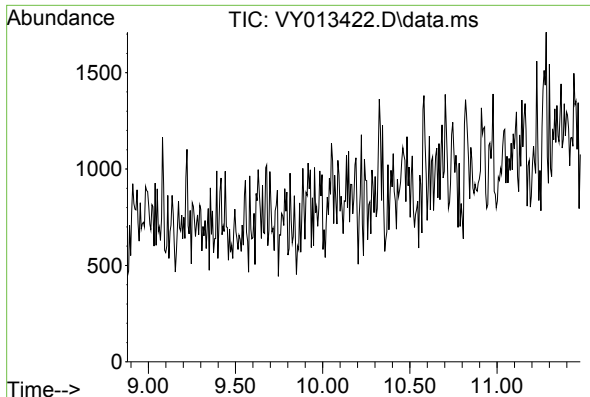


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 7.72 min

Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

Tgt Ion: 113
Sig Exp Ratio
113 100
111 102.7
192 20.9

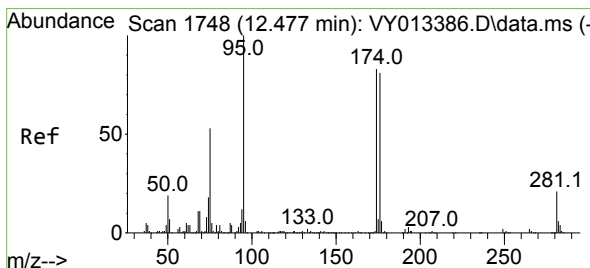
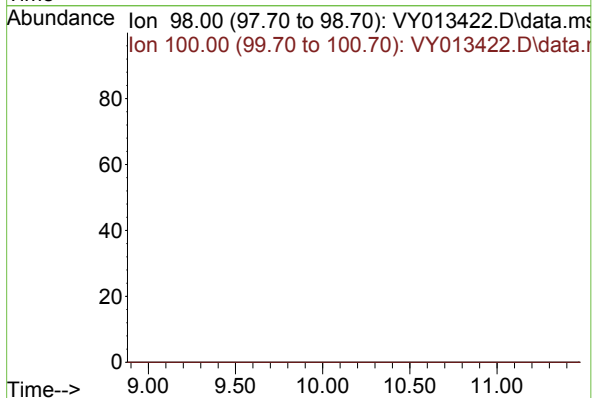




#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.18 min
Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

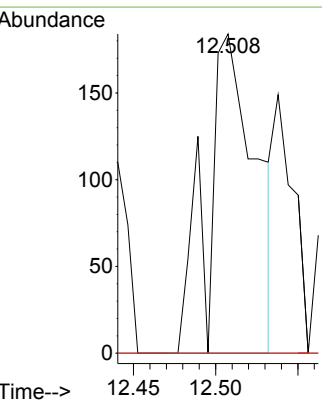
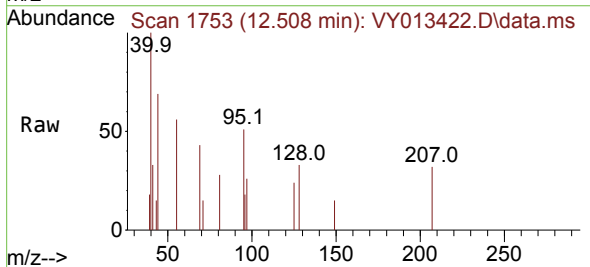
Instrument :
MSVOA_Y
ClientSampleId :
20230306-28-4

Tgt Ion: 98
Sig Exp Ratio
98 100
100 63.1

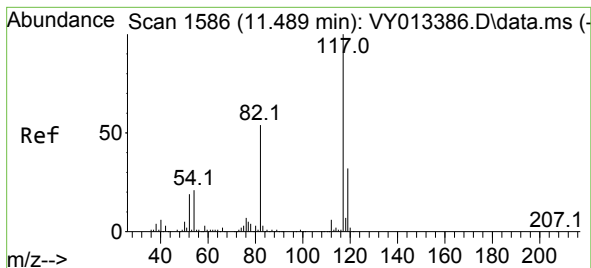


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
RT: 12.508 min Scan# 1753
Delta R.T. 0.031 min
Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

Tgt Ion: 95 Resp: 372
Ion Ratio Lower Upper
95 100
174 0.0 0.0 182.0
176 0.0 0.0 175.4



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.672 min Scan# 1

Delta R.T. 0.183 min

Lab File: VY013422.D

Acq: 25 Apr 2023 02:40

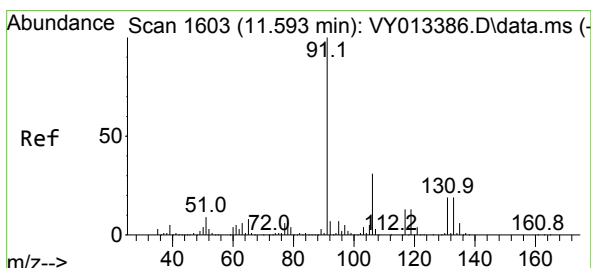
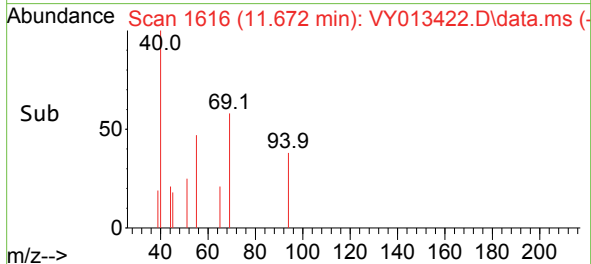
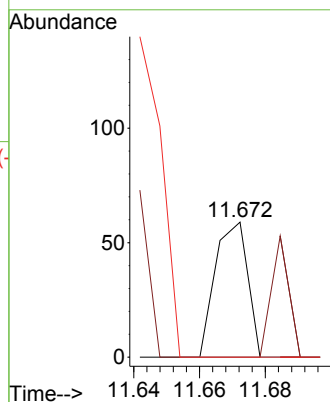
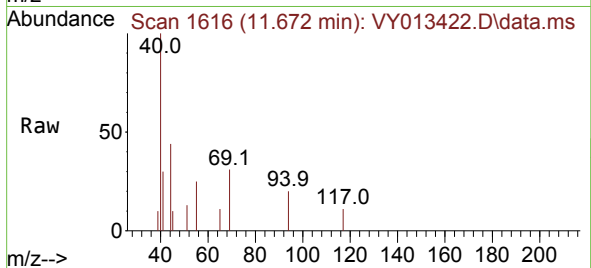
Instrument :

MSVOA_Y

ClientSampleId :

20230306-28-4

Tgt Ion:117	Resp:	40
Ion	Ratio	Lower Upper
117	100	
82	0.0	43.0 64.6#
119	0.0	25.5 38.3#



#67

Ethyl Benzene

Concen: 62.741 ug/l

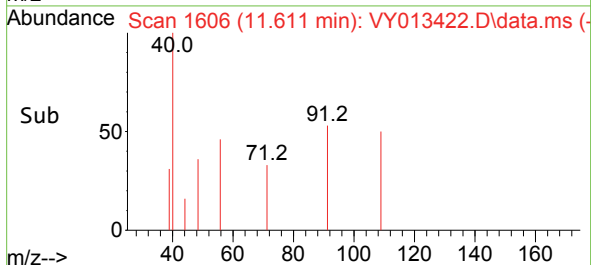
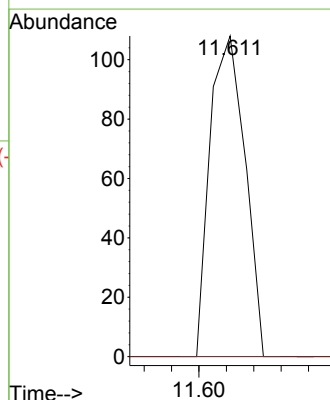
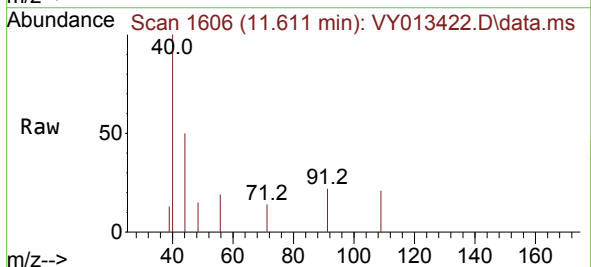
RT: 11.611 min Scan# 1606

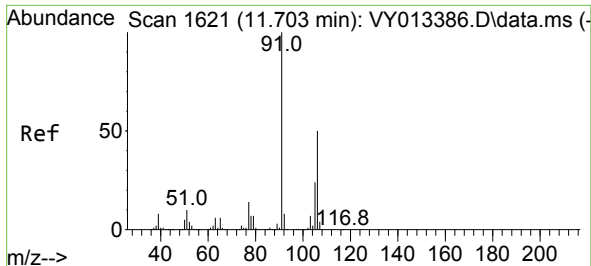
Delta R.T. 0.018 min

Lab File: VY013422.D

Acq: 25 Apr 2023 02:40

Tgt Ion: 91	Resp:	96
Ion	Ratio	Lower Upper
91	100	
106	0.0	25.1 37.7#

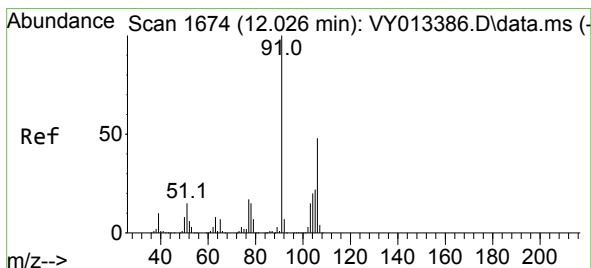
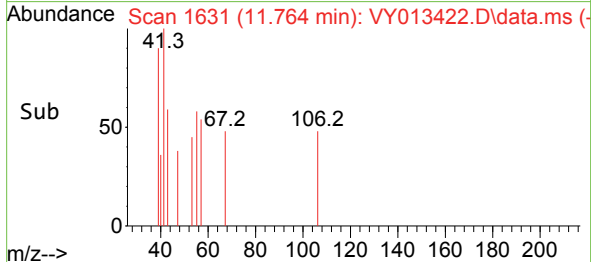
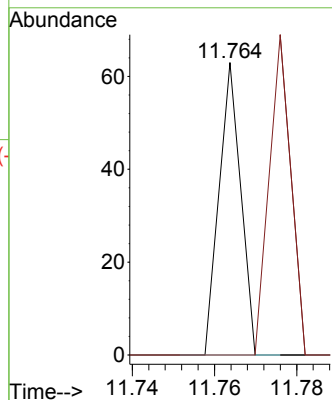
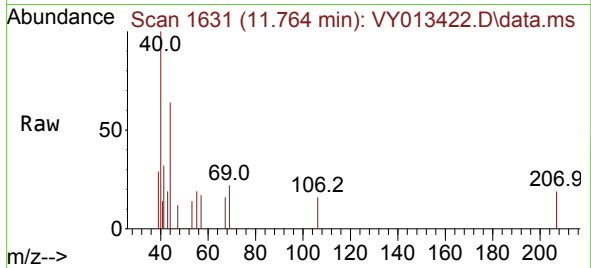




#68
m/p-Xylenes
Concen: 39.541 ug/l
RT: 11.764 min Scan# 1631
Delta R.T. 0.061 min
Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

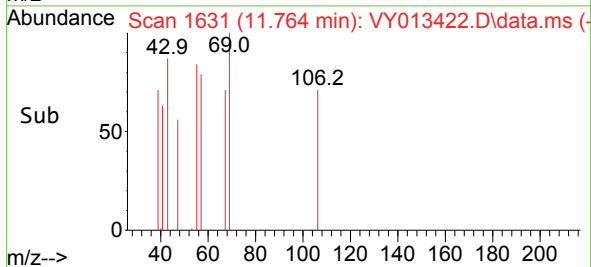
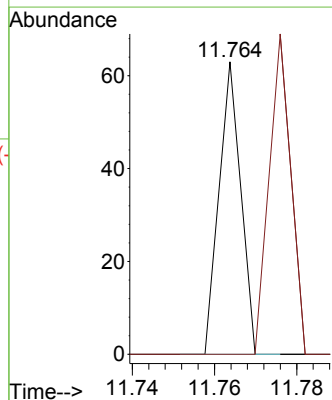
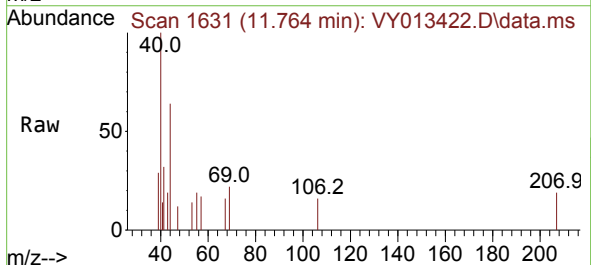
Instrument :
MSVOA_Y
ClientSampleId :
20230306-28-4

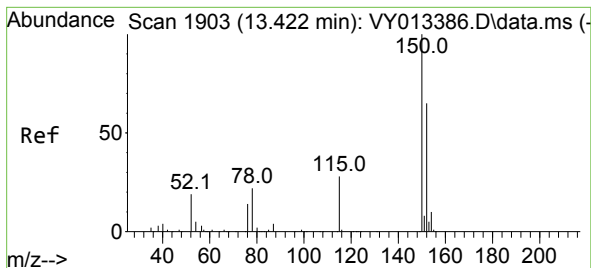
Tgt Ion:106 Resp: 23
Ion Ratio Lower Upper
106 100
91 108.7 160.9 241.3#



#69
o-Xylene
Concen: 41.809 ug/l
RT: 11.764 min Scan# 1631
Delta R.T. -0.262 min
Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

Tgt Ion:106 Resp: 23
Ion Ratio Lower Upper
106 100
91 108.7 105.5 316.4

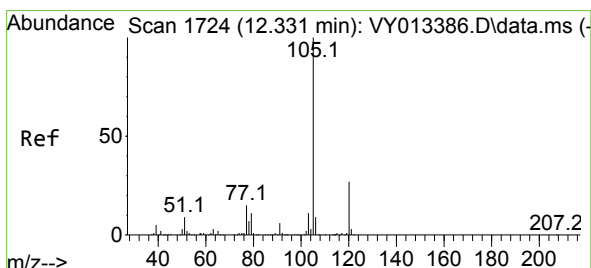
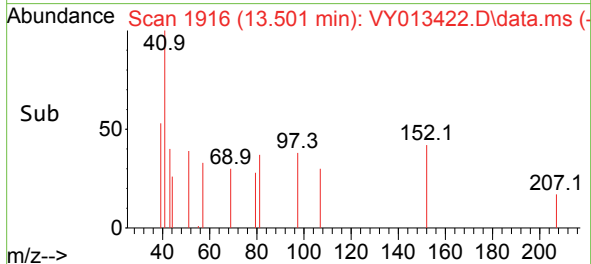
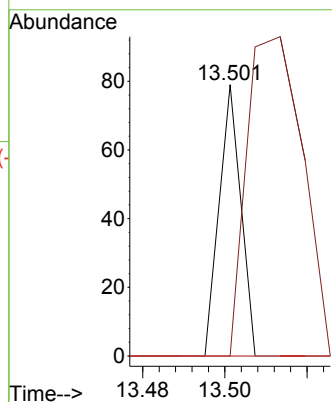
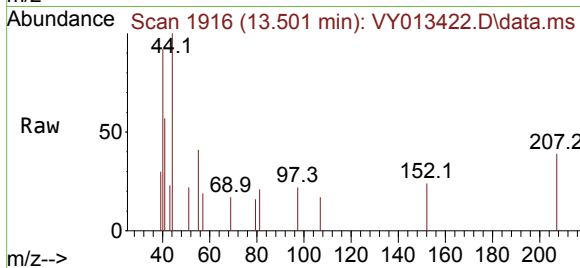




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.501 min Scan# 1916
Delta R.T. 0.079 min
Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

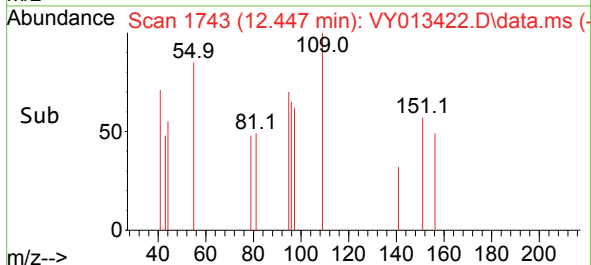
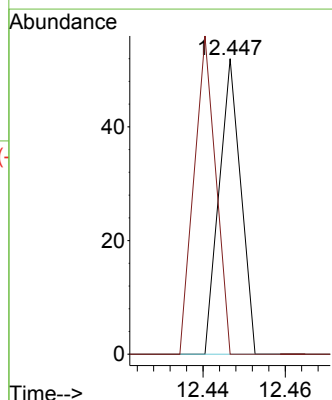
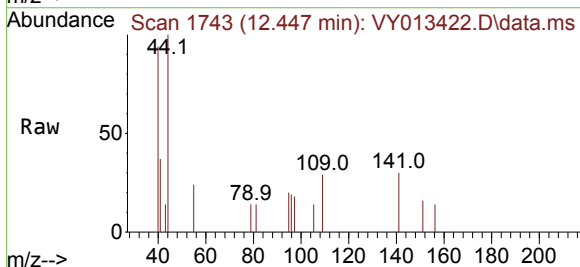
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MSVOA_Y
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20230306-28-4

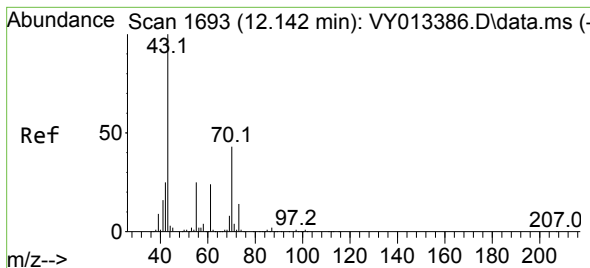
Tgt Ion:152 Resp: 29
Ion Ratio Lower Upper
152 100
115 303.4 28.1 84.2#
150 0.0 0.0 352.0



#73
Isopropylbenzene
Concen: 8.662 ug/l
RT: 12.447 min Scan# 1743
Delta R.T. 0.116 min
Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

Tgt Ion:105 Resp: 19
Ion Ratio Lower Upper
105 100
120 105.3 13.7 41.0#





#74

N-amy1 acetate

Concen: 138.362 ug/l

RT: 12.142 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013422.D

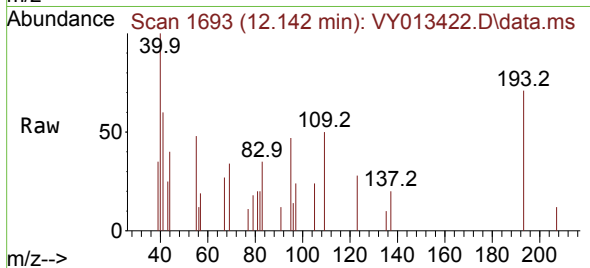
Acq: 25 Apr 2023 02:40

Instrument :

MSVOA_Y

ClientSampleId :

20230306-28-4



Tgt Ion: 43 Resp: 108

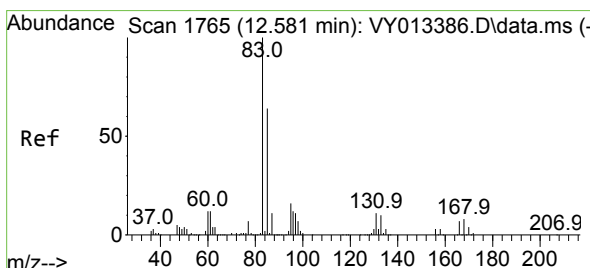
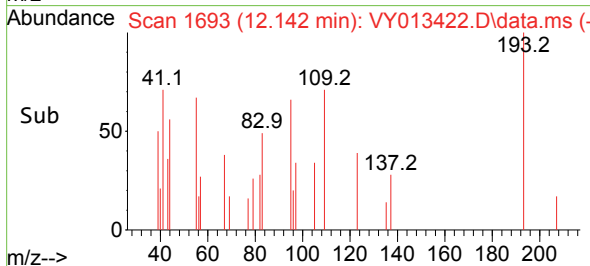
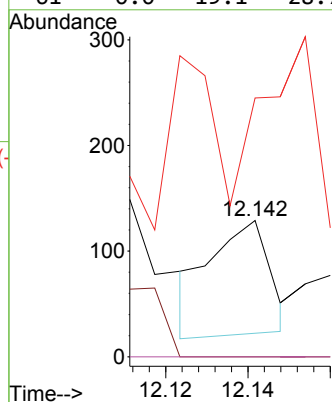
Ion Ratio Lower Upper

43 100

70 0.0 33.0 49.4#

55 228.7 19.8 29.6#

61 0.0 19.1 28.7#



#75

1,1,2,2-Tetrachloroethane

Concen: 37.304 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. 0.024 min

Lab File: VY013422.D

Acq: 25 Apr 2023 02:40

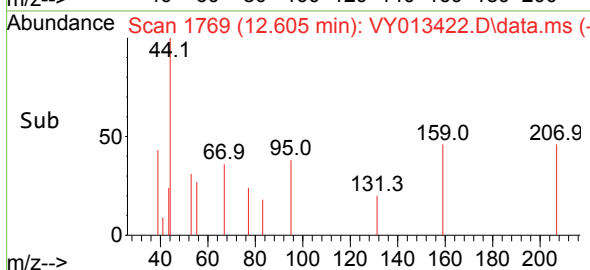
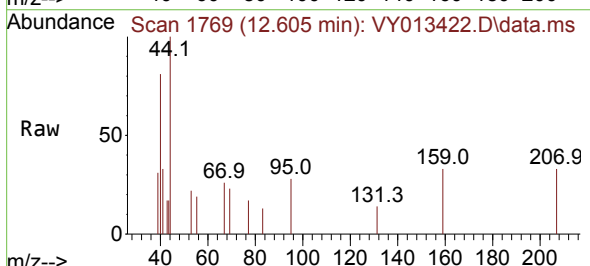
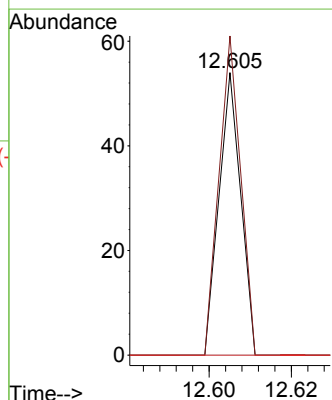
Tgt Ion: 83 Resp: 20

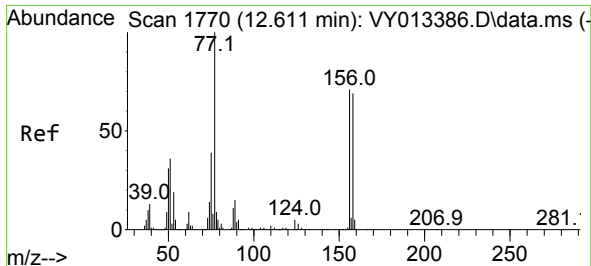
Ion Ratio Lower Upper

83 100

131 110.0 5.7 17.0#

85 0.0 31.8 95.4#

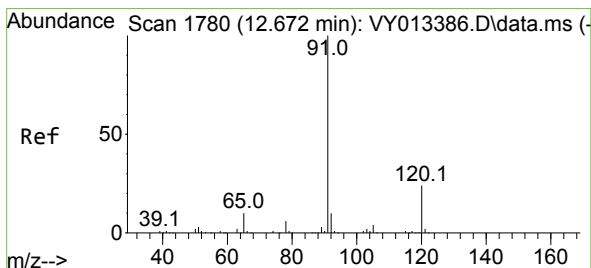
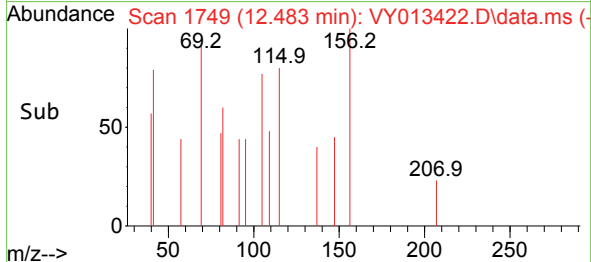
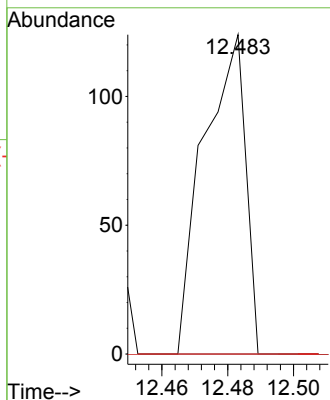
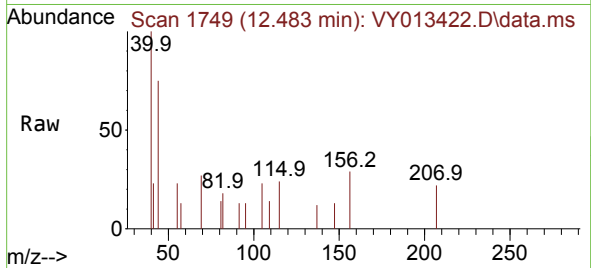




#77
Bromobenzene
Concen: 205.087 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.128 min
Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

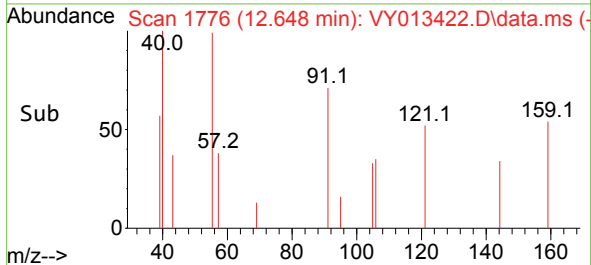
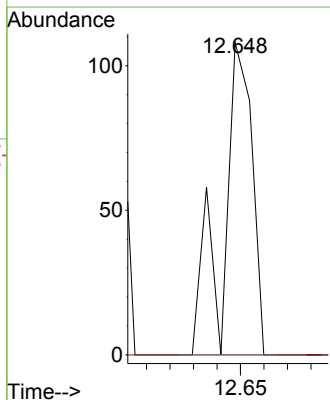
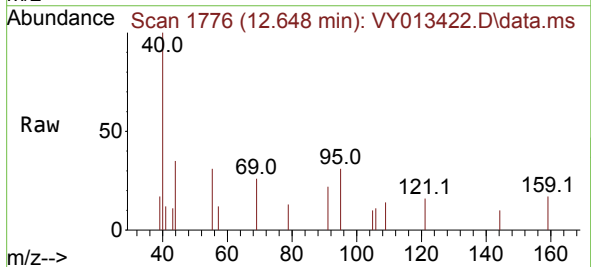
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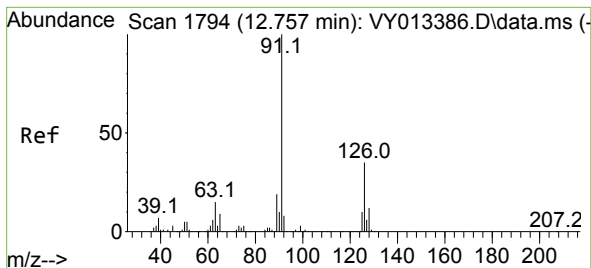
Tgt Ion:156 Resp: 109
Ion Ratio Lower Upper
156 100
77 0.0 87.6 262.9#
158 0.0 48.5 145.5#



#78
n-propylbenzene
Concen: 34.422 ug/l
RT: 12.648 min Scan# 1776
Delta R.T. -0.024 min
Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

Tgt Ion: 91 Resp: 93
Ion Ratio Lower Upper
91 100
120 0.0 11.9 35.9#

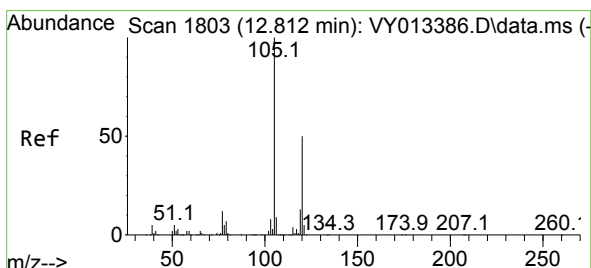
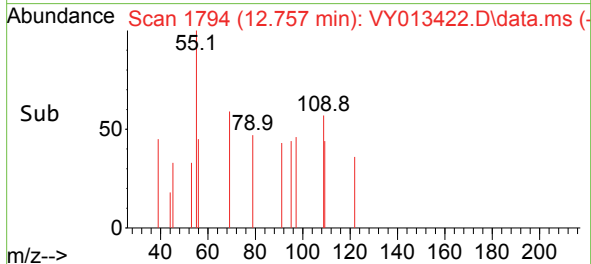
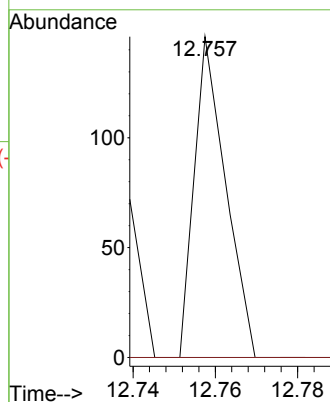
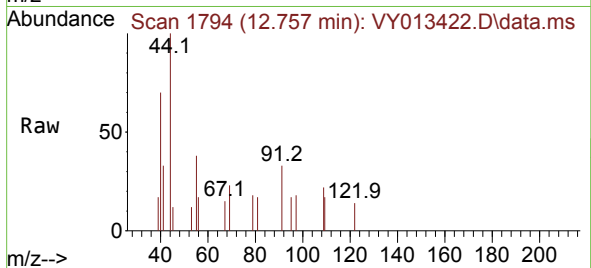




#79
2-Chlorotoluene
Concen: 51.036 ug/l
RT: 12.757 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

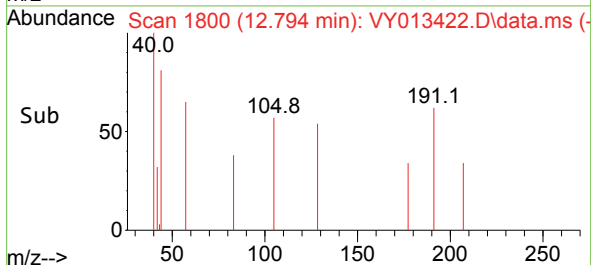
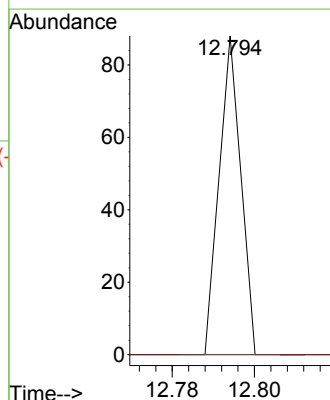
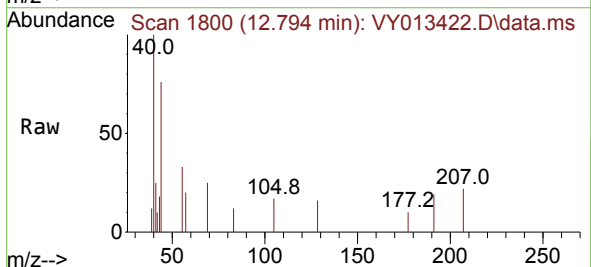
Instrument :
MSVOA_Y
ClientSampleId :
20230306-28-4

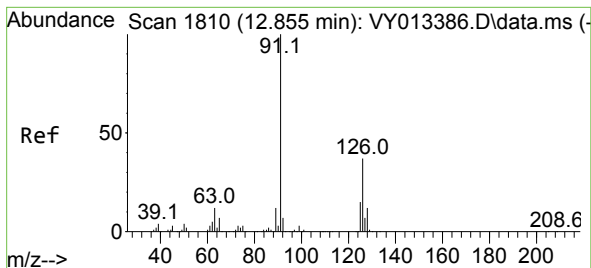
Tgt Ion: 91 Resp: 77
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.4#



#80
1,3,5-Trimethylbenzene
Concen: 17.874 ug/l
RT: 12.794 min Scan# 1800
Delta R.T. -0.018 min
Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

Tgt Ion: 105 Resp: 32
Ion Ratio Lower Upper
105 100
120 0.0 24.7 74.1#





#82

4-Chlorotoluene

Concen: 39.427 ug/l

RT: 12.873 min Scan# 1813

Delta R.T. 0.018 min

Lab File: VY013422.D

Acq: 25 Apr 2023 02:40

Instrument :

MSVOA_Y

ClientSampleId :

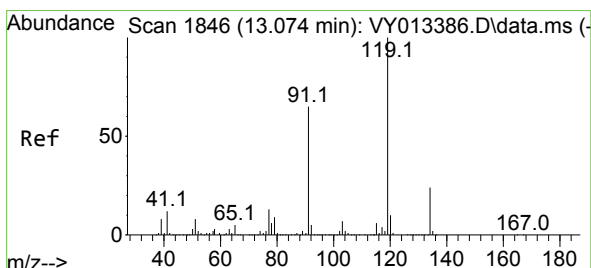
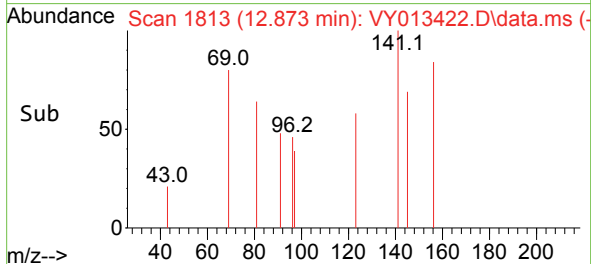
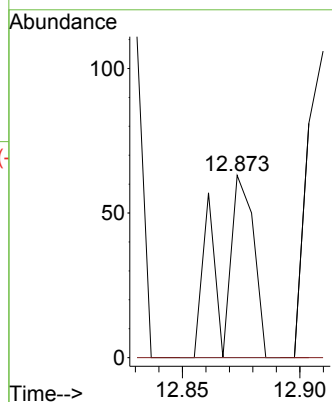
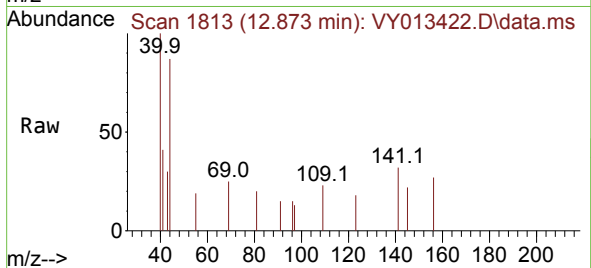
20230306-28-4

Tgt Ion: 91 Resp: 62

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.8#



#83

tert-Butylbenzene

Concen: 72.854 ug/l

RT: 13.135 min Scan# 1856

Delta R.T. 0.061 min

Lab File: VY013422.D

Acq: 25 Apr 2023 02:40

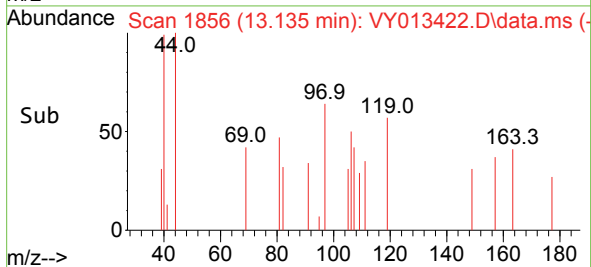
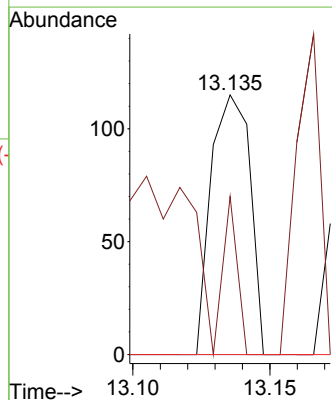
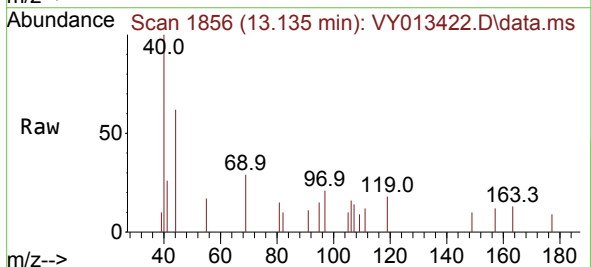
Tgt Ion: 119 Resp: 113

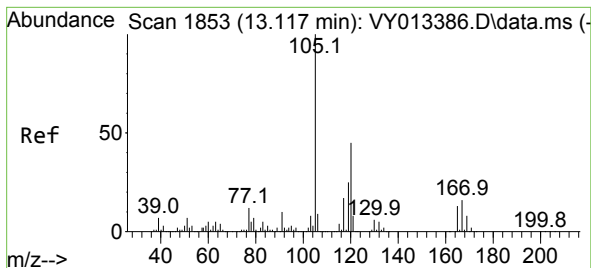
Ion Ratio Lower Upper

119 100

91 0.0 32.2 96.6#

134 0.0 13.0 38.9#





#84

1,2,4-Trimethylbenzene

Concen: 27.577 ug/l

RT: 13.105 min Scan# 1851

Delta R.T. -0.012 min

Lab File: VY013422.D

Acq: 25 Apr 2023 02:40

Instrument :

MSVOA_Y

ClientSampleId :

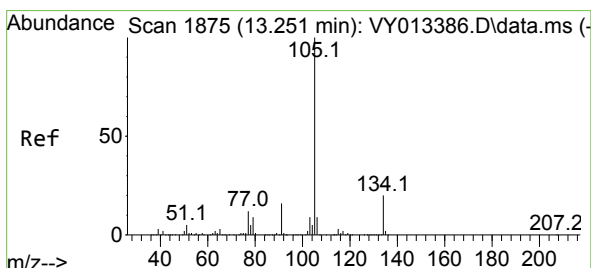
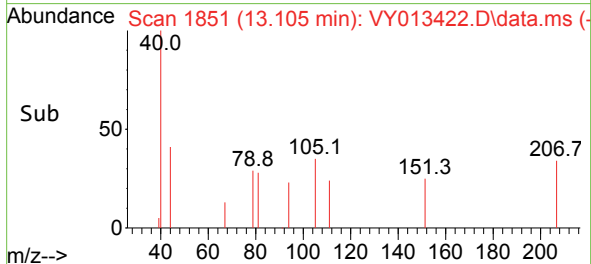
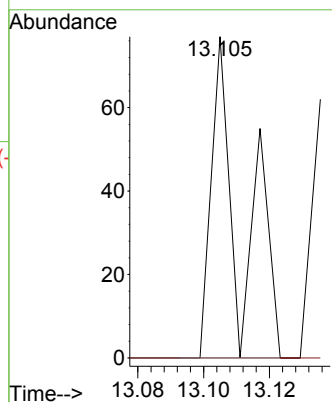
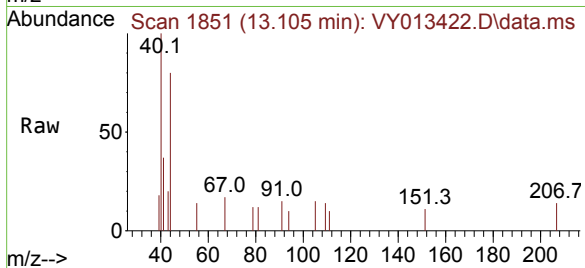
20230306-28-4

Tgt Ion:105 Resp: 48

Ion Ratio Lower Upper

105 100

120 0.0 22.3 66.9#



#85

sec-Butylbenzene

Concen: 21.050 ug/l

RT: 13.270 min Scan# 1878

Delta R.T. 0.019 min

Lab File: VY013422.D

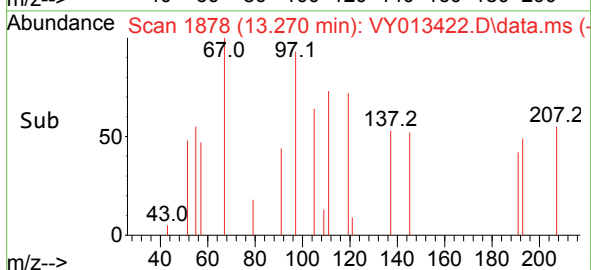
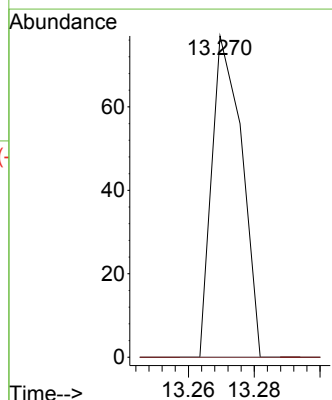
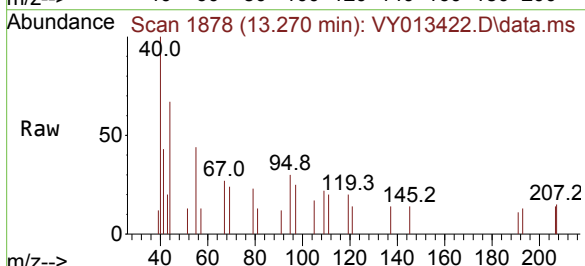
Acq: 25 Apr 2023 02:40

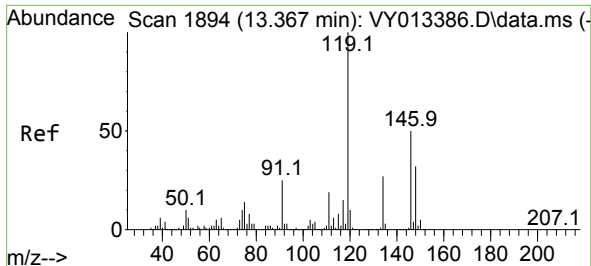
Tgt Ion:105 Resp: 49

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.9#

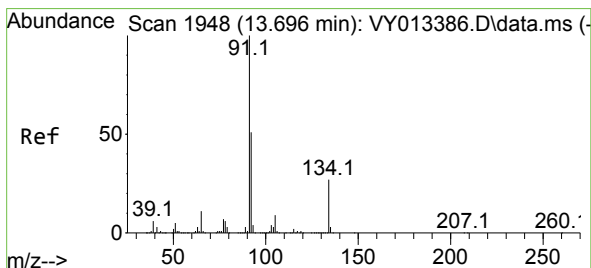
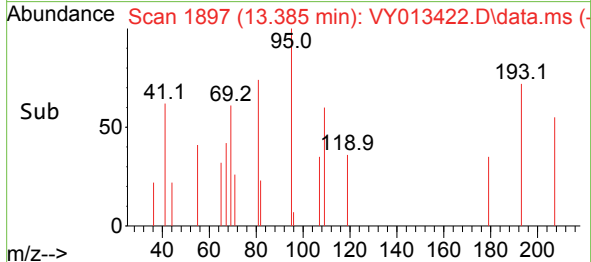
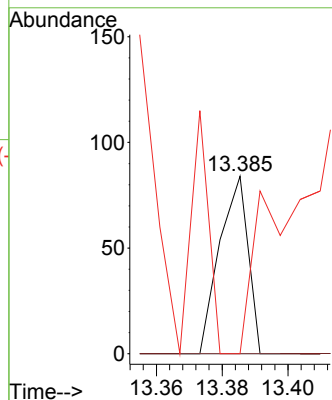
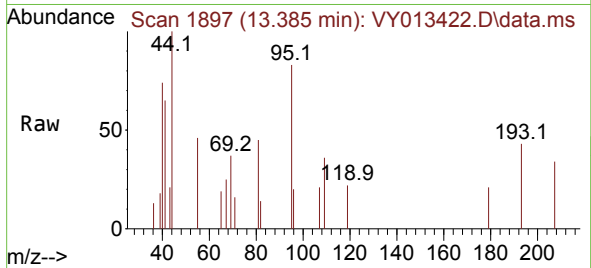




#86
p-Isopropyltoluene
Concen: 26.710 ug/l
RT: 13.385 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

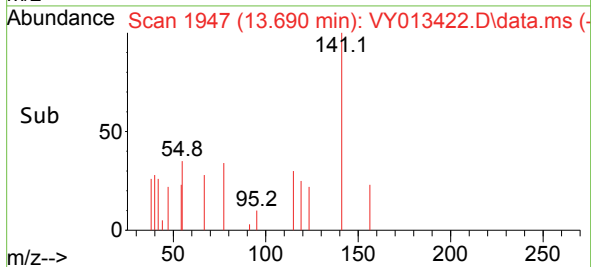
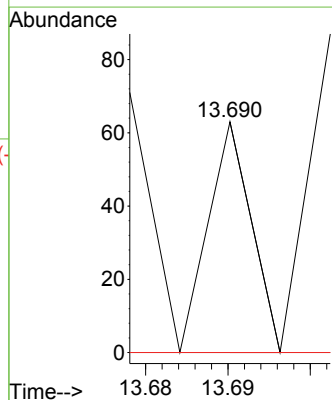
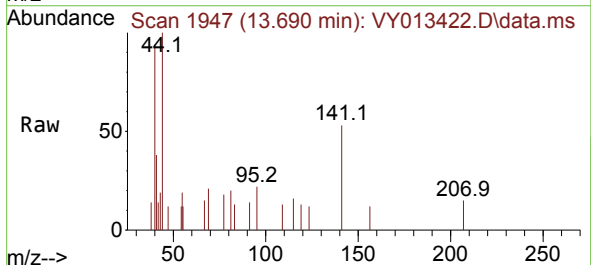
Instrument :
MSVOA_Y
ClientSampleId :
20230306-28-4

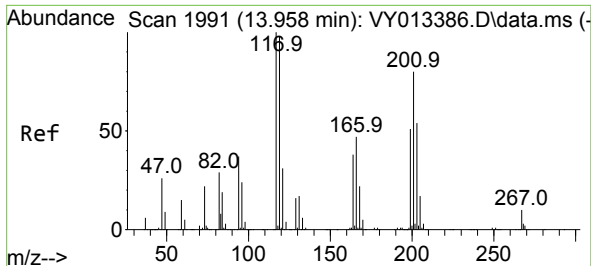
Tgt Ion:119 Resp: 50
Ion Ratio Lower Upper
119 100
134 0.0 13.4 40.2#
91 0.0 12.1 36.3#



#89
n-Butylbenzene
Concen: 12.588 ug/l
RT: 13.690 min Scan# 1947
Delta R.T. -0.006 min
Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

Tgt Ion: 91 Resp: 23
Ion Ratio Lower Upper
91 100
92 0.0 25.8 77.3#
134 0.0 13.5 40.4#

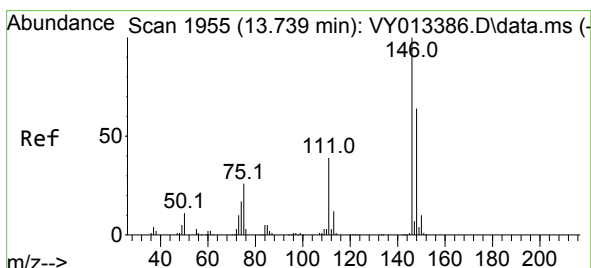
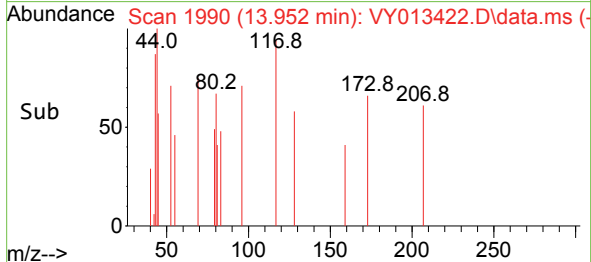
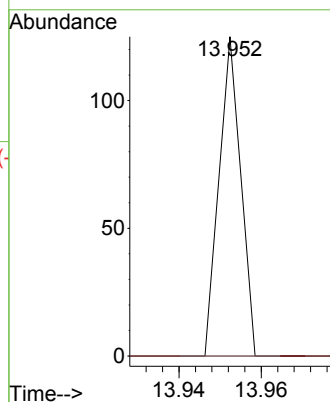
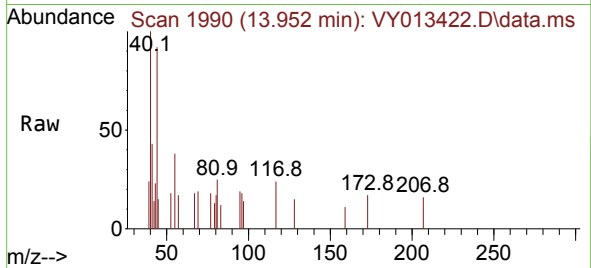




#90
Hexachloroethane
Concen: 116.755 ug/l
RT: 13.952 min Scan# 1991
Delta R.T. -0.006 min
Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

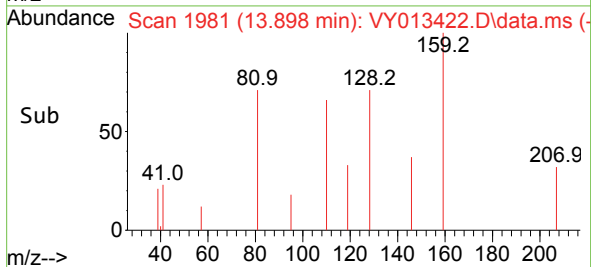
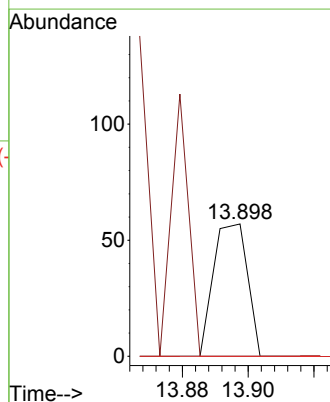
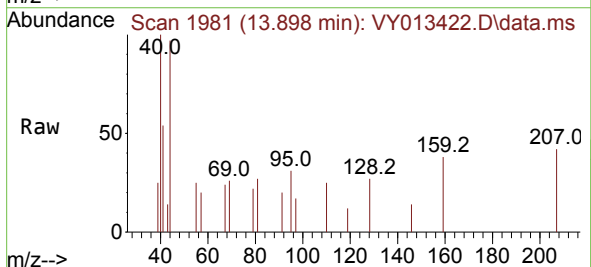
Instrument :
MSVOA_Y
ClientSampleId :
20230306-28-4

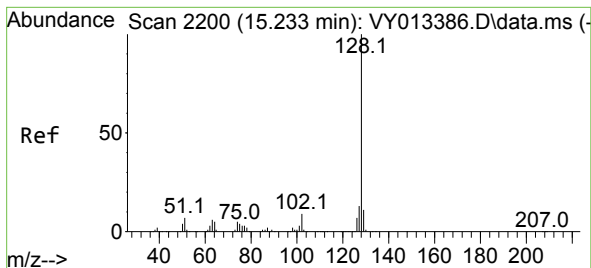
Tgt Ion:117 Resp: 46
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#



#91
1,2-Dichlorobenzene
Concen: 44.839 ug/l
RT: 13.898 min Scan# 1981
Delta R.T. 0.159 min
Lab File: VY013422.D
Acq: 25 Apr 2023 02:40

Tgt Ion:146 Resp: 41
Ion Ratio Lower Upper
146 100
111 0.0 19.8 59.4#
148 0.0 31.8 95.4#





#95

Naphthalene

Concen: 50.726 ug/l

RT: 15.245 min Scan# 21

Delta R.T. 0.012 min

Lab File: VY013422.D

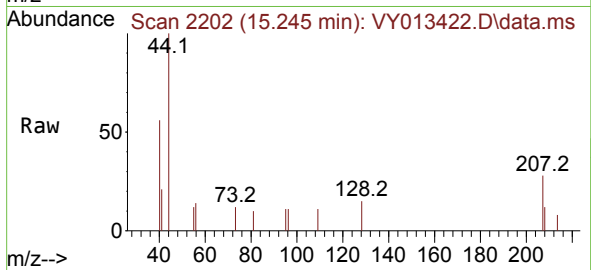
Acq: 25 Apr 2023 02:40

Instrument :

MSVOA_Y

ClientSampleId :

20230306-28-4



Tgt Ion:128 Resp: 60

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 61.7 8.8 13.2#

