

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
 Data File : VY014635.D
 Acq On : 13 Jul 2023 18:24
 Operator : SY/MD
 Sample : 03601-01
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-1-071223

Quant Time: Jul 14 04:29:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	167737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	298409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	285006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	136286	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	111914	58.550	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.100%
35) Dibromofluoromethane	7.710	113	96660	50.884	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.760%
50) Toluene-d8	10.173	98	359310	51.305	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.600%
62) 4-Bromofluorobenzene	12.477	95	138022	51.398	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.800%

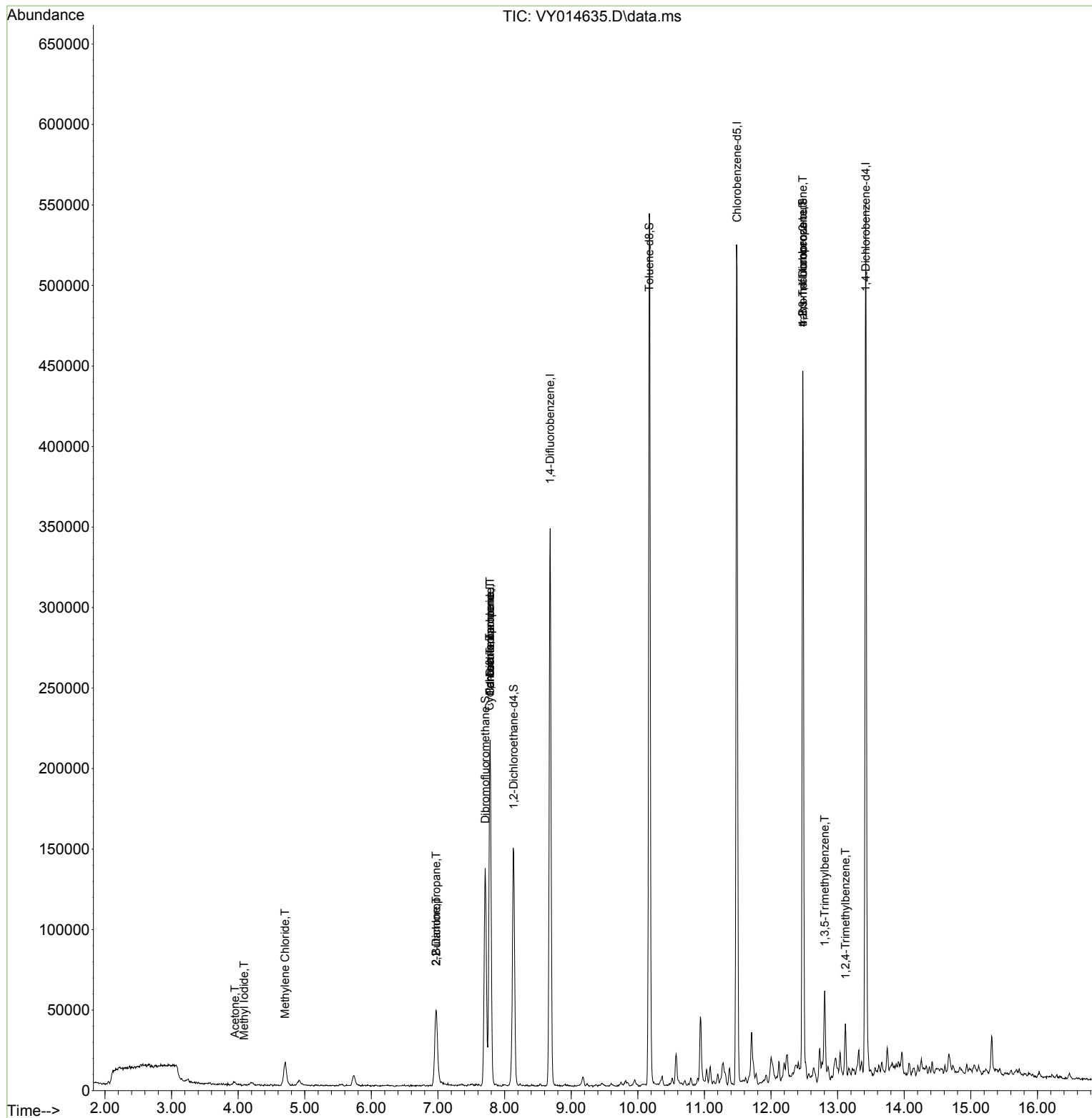
Target Compounds					Qvalue	
10) Methyl Iodide	4.088	142	154	2.448	ug/l #	38
11) Tert butyl alcohol	4.918	59	3489	Below Cal	#	92
16) Acetone	3.954	43	3246	5.359	ug/l	89
20) Methylene Chloride	4.704	84	10540	1.238	ug/l #	84
25) 2-Butanone	6.972	43	3080	3.476	ug/l	95
26) 2,2-Dichloropropane	6.972	77	3965	1.219	ug/l #	57
31) Cyclohexane	7.777	56	4066	1.281	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13080	4.604	ug/l #	51
38) Carbon Tetrachloride	7.783	117	16941	5.641	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	71921	41.784	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.806	105	9922	1.113	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.477	75	71921	80.901	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	17226	1.970	ug/l	98

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

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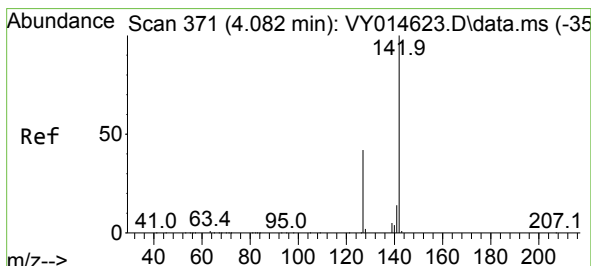
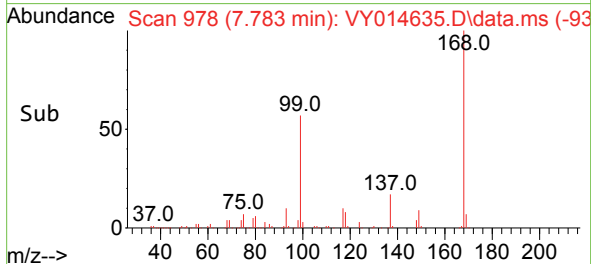
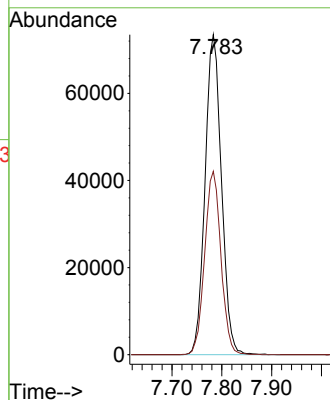
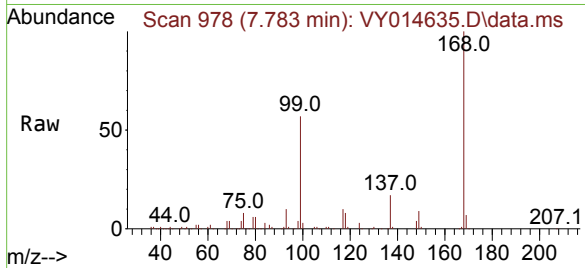




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014635.D
Acq: 13 Jul 2023 18:24

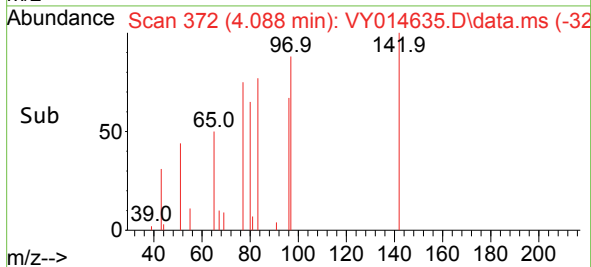
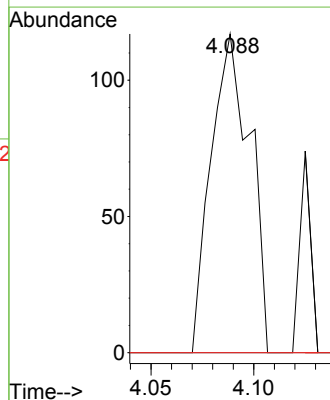
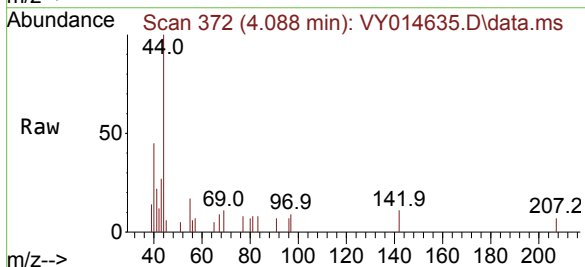
Instrument :
MSVOA_Y
ClientSampleId :
HR-1-071223

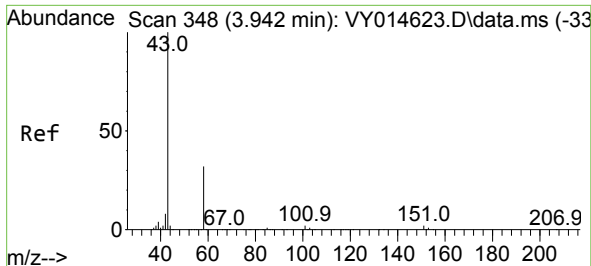
Tgt Ion:168 Resp: 167737
Ion Ratio Lower Upper
168 100
99 57.3 43.4 65.0



#10
Methyl Iodide
Concen: 2.448 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014635.D
Acq: 13 Jul 2023 18:24

Tgt Ion:142 Resp: 154
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 5.359 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY014635.D

Acq: 13 Jul 2023 18:24

Instrument :

MSVOA_Y

ClientSampleId :

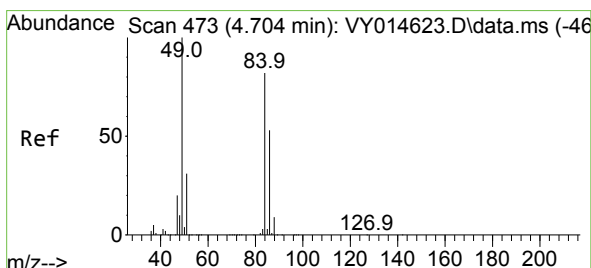
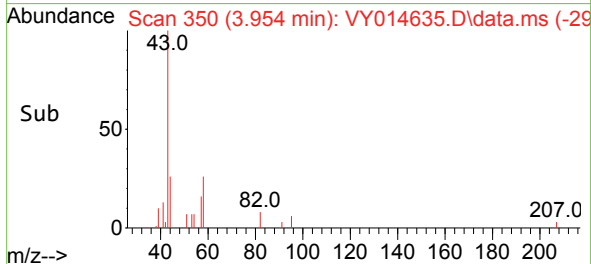
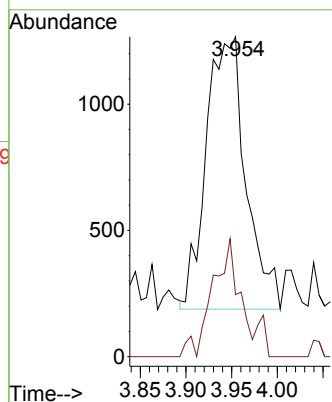
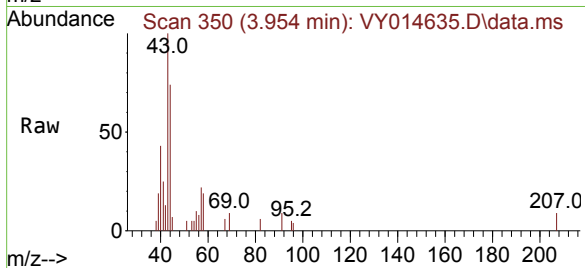
HR-1-071223

Tgt Ion: 43 Resp: 3246

Ion Ratio Lower Upper

43 100

58 22.8 22.7 34.1



#20

Methylene Chloride

Concen: 1.238 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY014635.D

Acq: 13 Jul 2023 18:24

Tgt Ion: 84 Resp: 10540

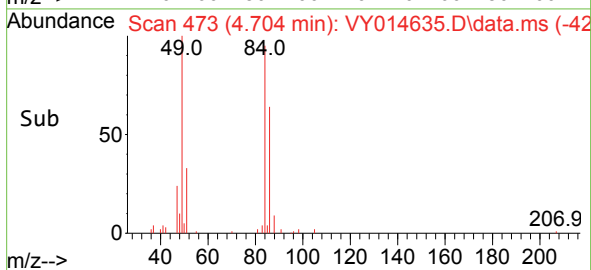
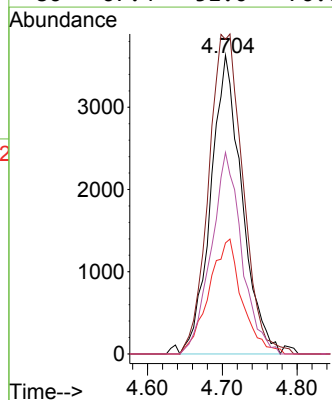
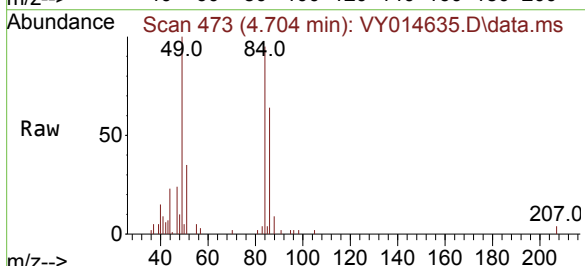
Ion Ratio Lower Upper

84 100

49 105.3 106.9 160.3#

51 37.2 33.2 49.8

86 67.4 51.0 76.6

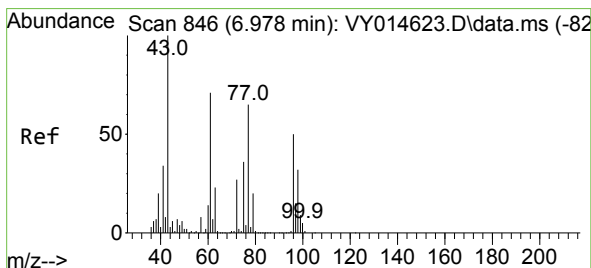
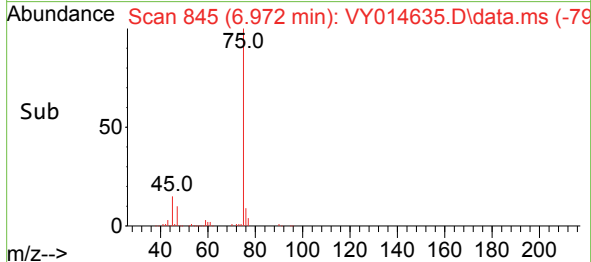
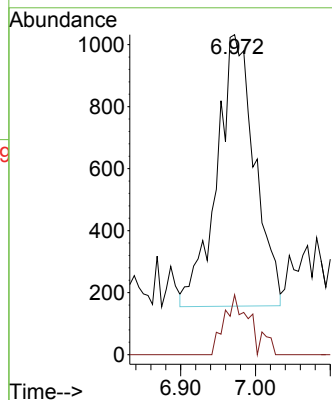
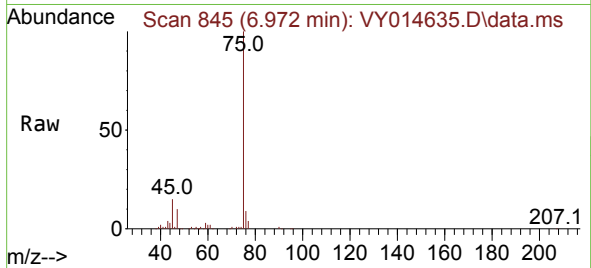




#25
2-Butanone
Concen: 3.476 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014635.D
Acq: 13 Jul 2023 18:24

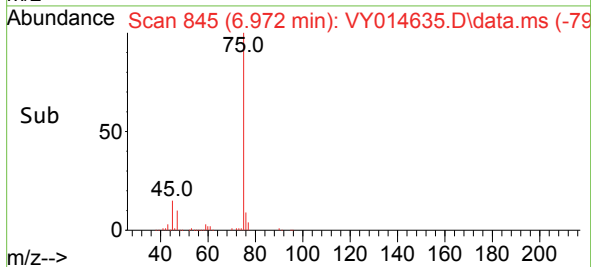
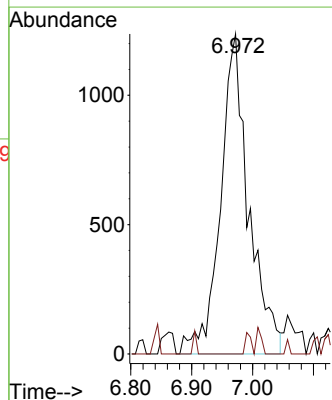
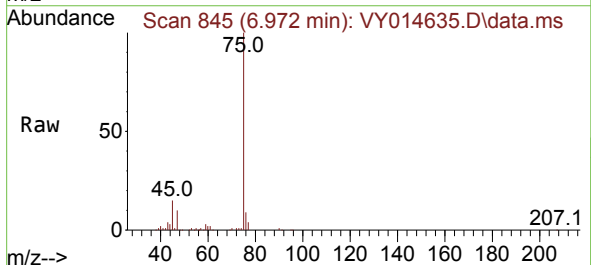
Instrument : MSVOA_Y
ClientSampleId : HR-1-071223

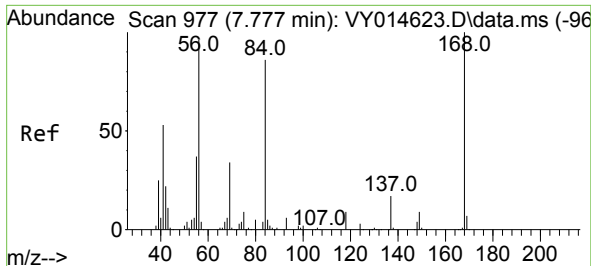
Tgt Ion: 43 Resp: 3080
Ion Ratio Lower Upper
43 100
72 23.1 20.5 30.7



#26
2,2-Dichloropropane
Concen: 1.219 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014635.D
Acq: 13 Jul 2023 18:24

Tgt Ion: 77 Resp: 3965
Ion Ratio Lower Upper
77 100
97 1.4 10.9 32.9#

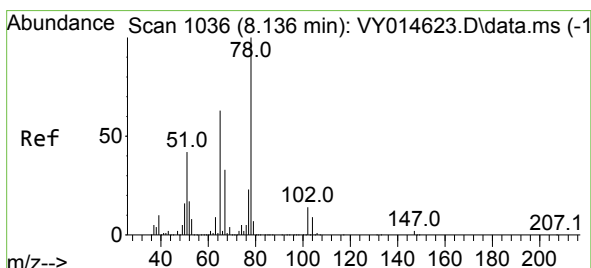
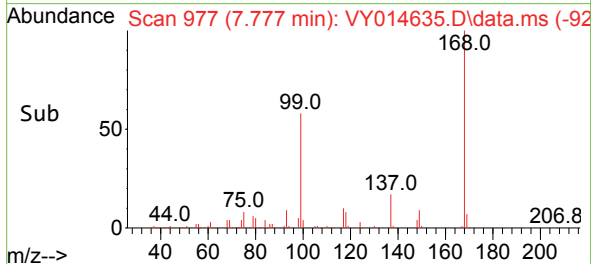
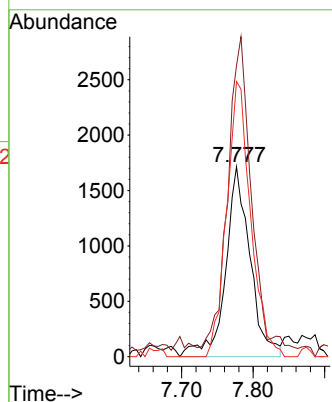
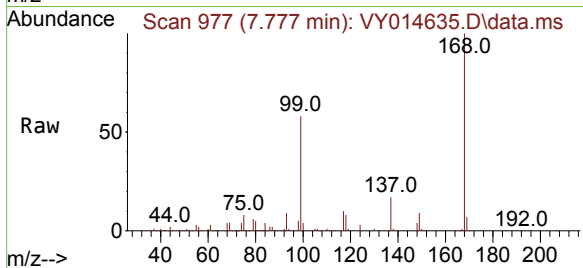




#31
Cyclohexane
Concen: 1.281 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014635.D
Acq: 13 Jul 2023 18:24

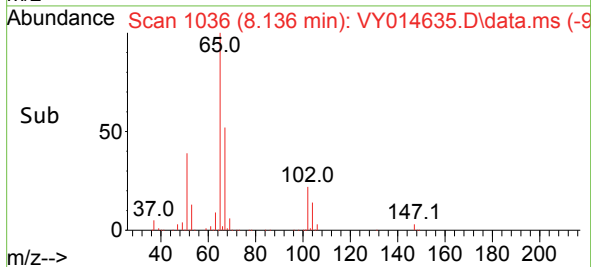
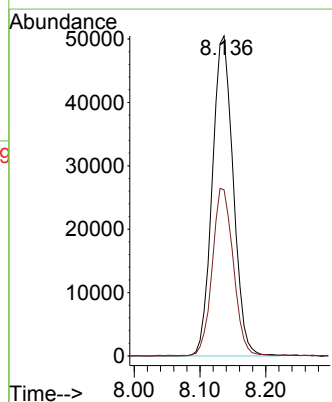
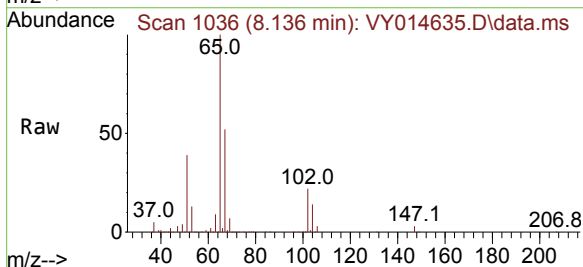
Instrument :
MSVOA_Y
ClientSampleId :
HR-1-071223

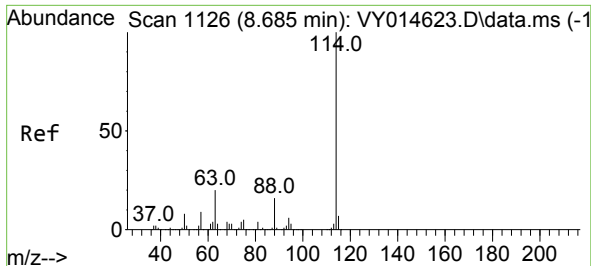
Tgt Ion: 56 Resp: 4066
Ion Ratio Lower Upper
56 100
69 142.9 27.8 41.6#
84 144.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.550 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014635.D
Acq: 13 Jul 2023 18:24

Tgt Ion: 65 Resp: 111914
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014635.D

Acq: 13 Jul 2023 18:24

Instrument :

MSVOA_Y

ClientSampleId :

HR-1-071223

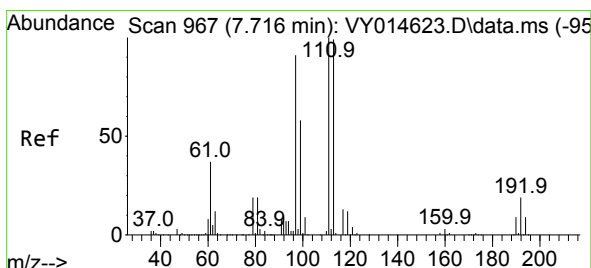
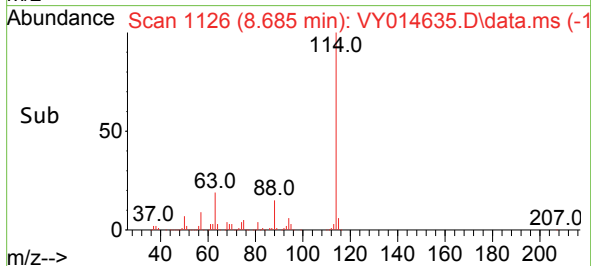
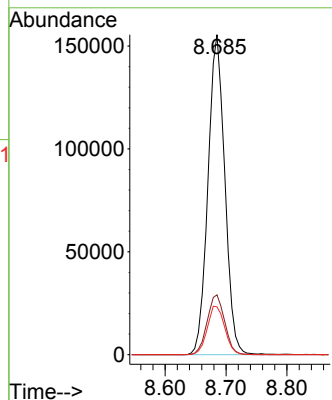
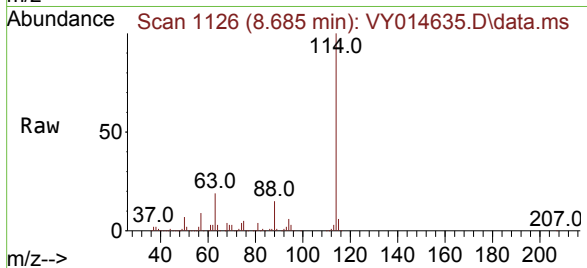
Tgt Ion:114 Resp: 298409

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.884 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014635.D

Acq: 13 Jul 2023 18:24

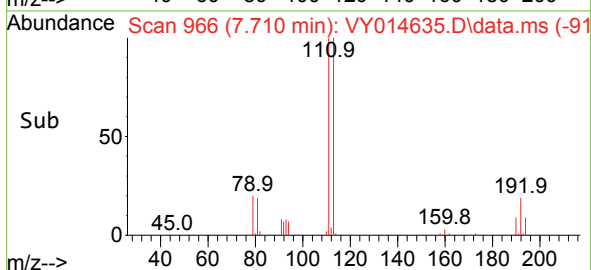
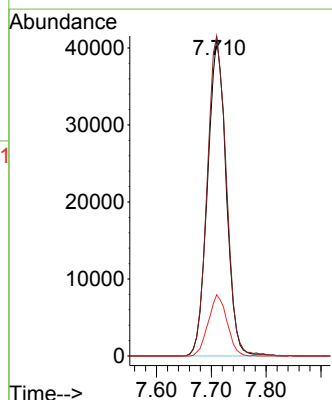
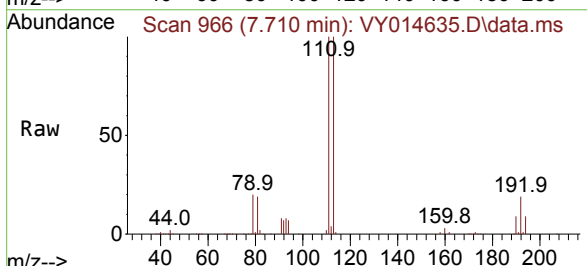
Tgt Ion:113 Resp: 96660

Ion Ratio Lower Upper

113 100

111 103.5 81.3 121.9

192 19.5 16.9 25.3

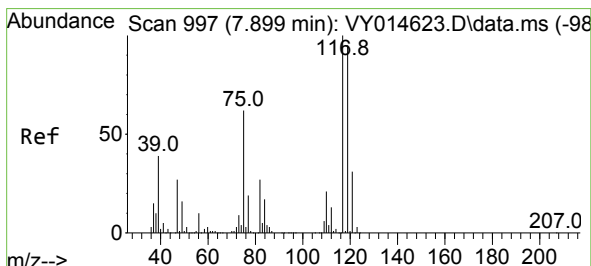
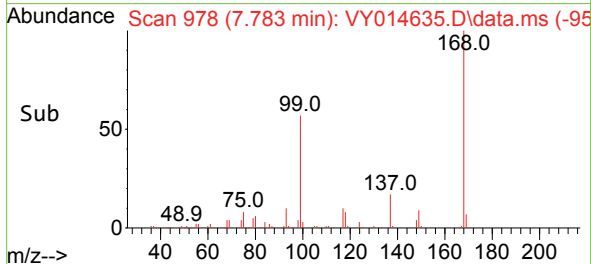
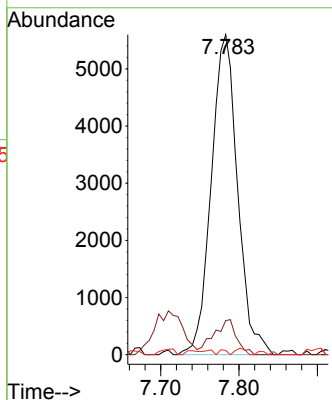
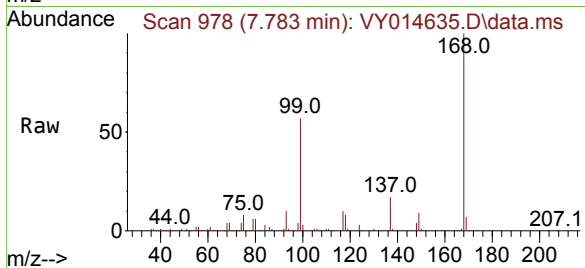




#36
 1,1-Dichloropropene
 Concen: 4.604 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY014635.D
 Acq: 13 Jul 2023 18:24

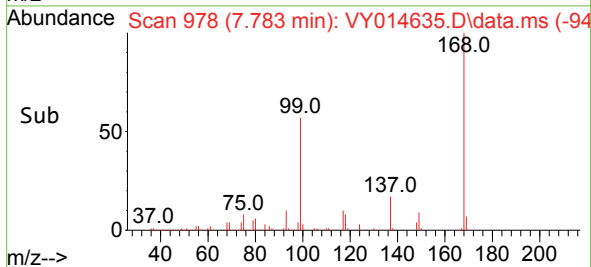
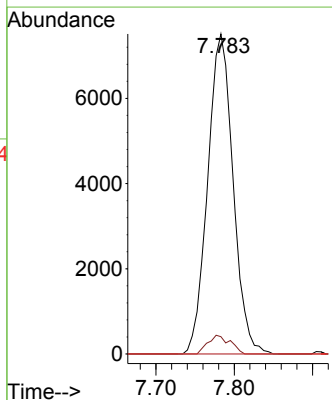
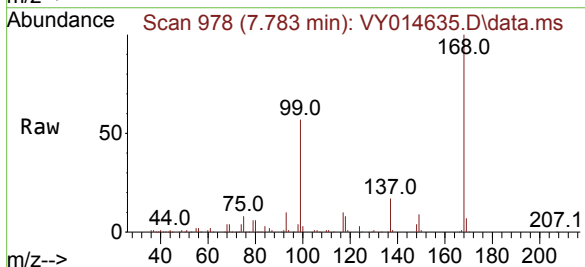
Instrument :
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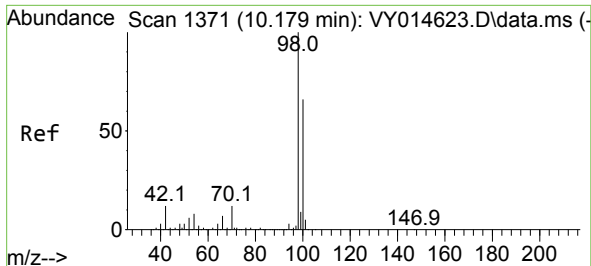
Tgt Ion: 75 Resp: 13080
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.8 53.5#
 77 0.5 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.641 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.116 min
 Lab File: VY014635.D
 Acq: 13 Jul 2023 18:24

Tgt Ion: 117 Resp: 16941
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.4 114.6#
 121 0.0 25.8 38.6#

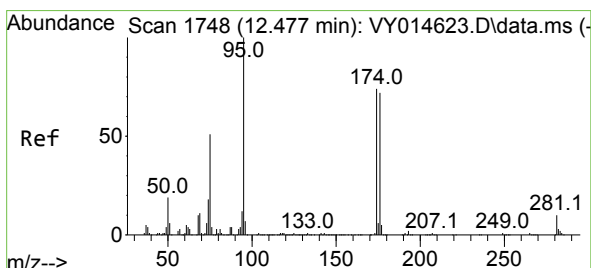
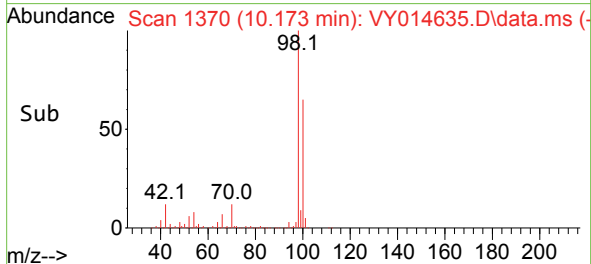
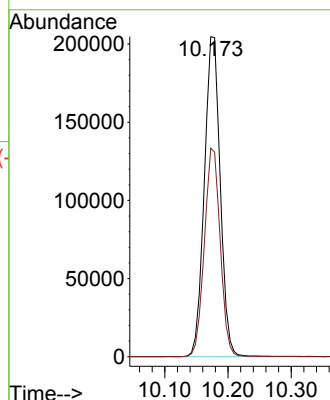
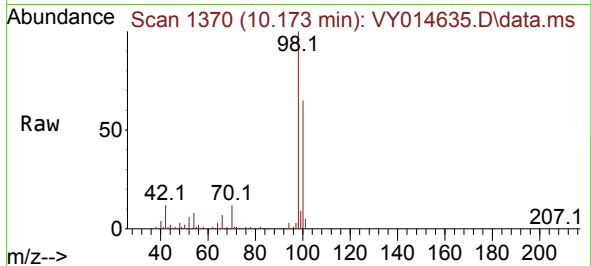




#50
Toluene-d8
Concen: 51.305 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014635.D
Acq: 13 Jul 2023 18:24

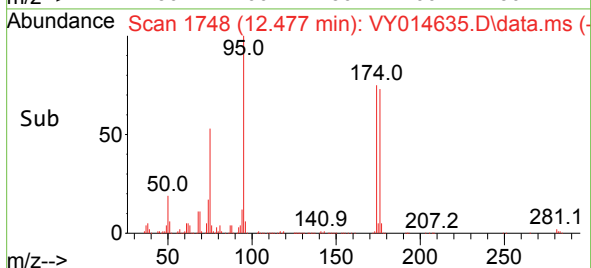
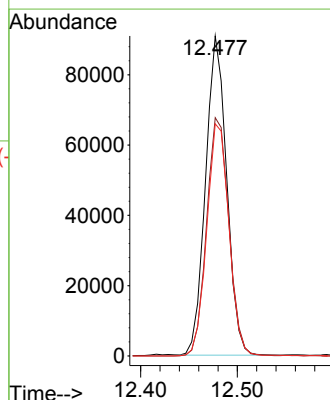
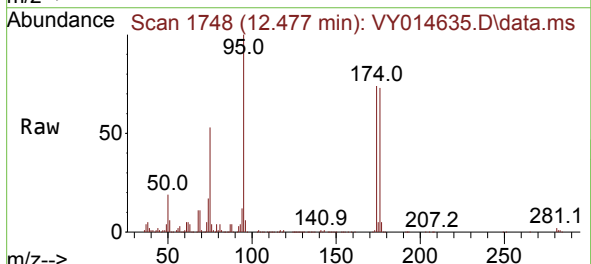
Instrument :
MSVOA_Y
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HR-1-071223

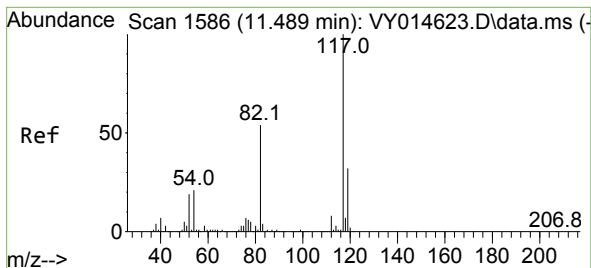
Tgt Ion: 98 Resp: 359310
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.398 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014635.D
Acq: 13 Jul 2023 18:24

Tgt Ion: 95 Resp: 138022
Ion Ratio Lower Upper
95 100
174 78.8 0.0 178.2
176 76.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014635.D

Acq: 13 Jul 2023 18:24

Instrument :

MSVOA_Y

ClientSampleId :

HR-1-071223

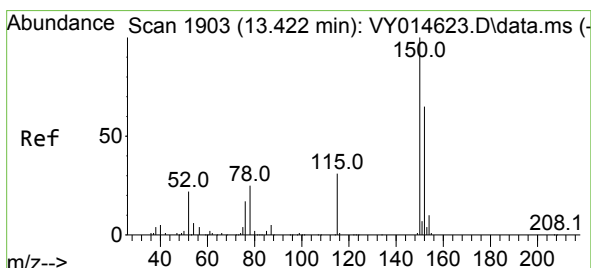
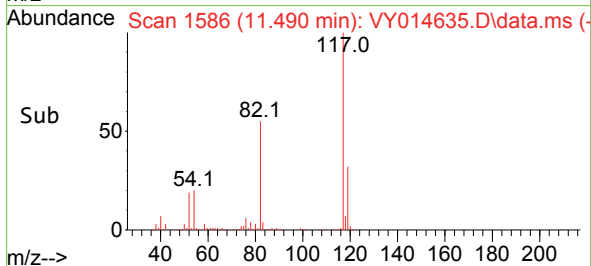
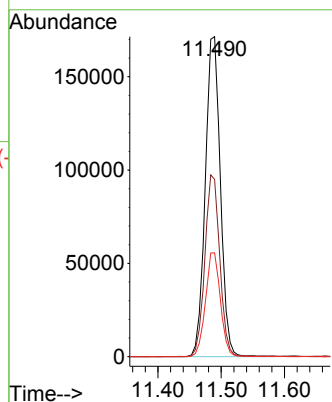
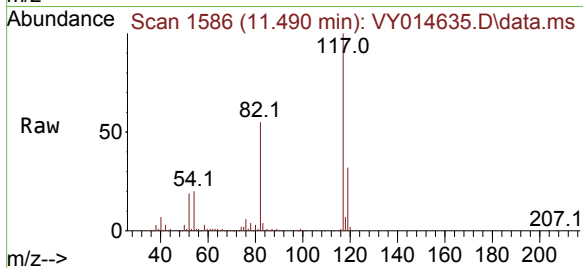
Tgt Ion:117 Resp: 285006

Ion Ratio Lower Upper

117 100

82 55.3 43.4 65.0

119 32.5 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: VY014635.D

Acq: 13 Jul 2023 18:24

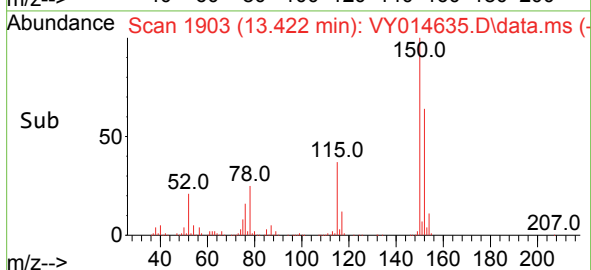
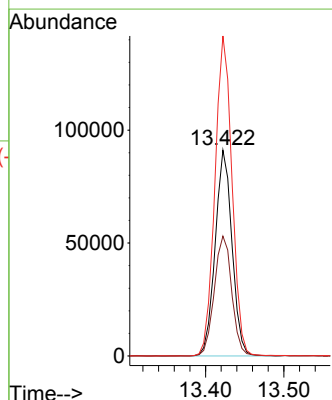
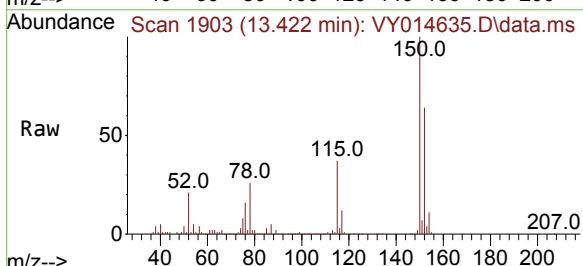
Tgt Ion:152 Resp: 136286

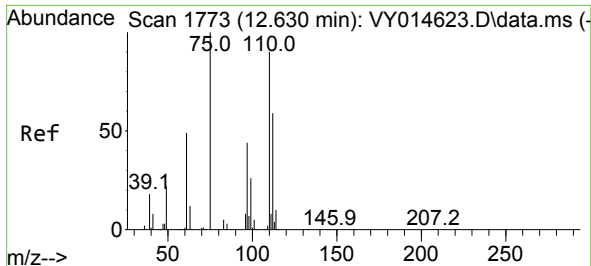
Ion Ratio Lower Upper

152 100

115 60.5 28.8 86.5

150 157.7 0.0 348.8

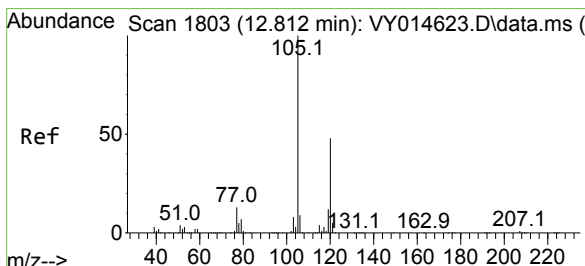
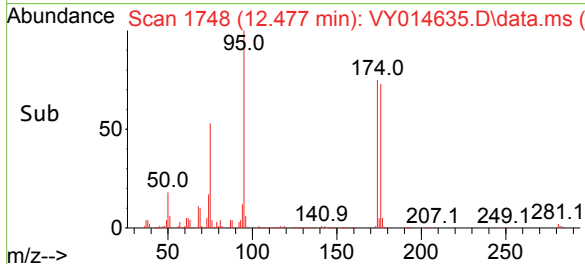
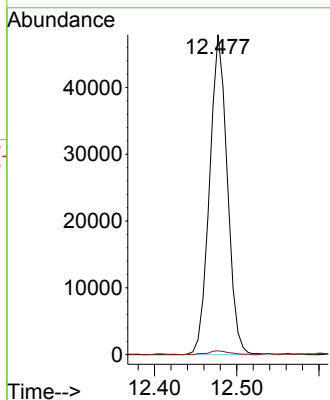
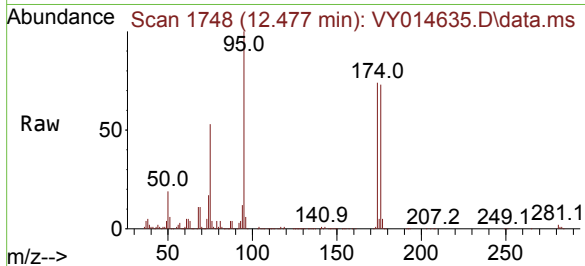




#76
 1,2,3-Trichloropropane
 Concen: 41.784 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY014635.D
 Acq: 13 Jul 2023 18:24

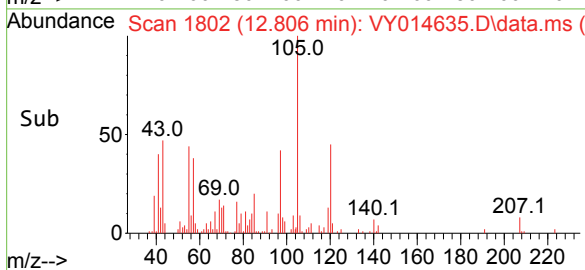
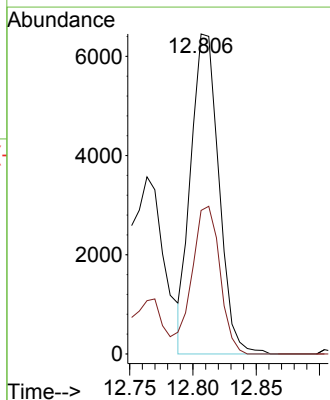
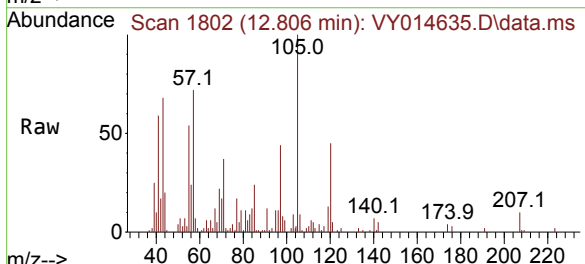
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-1-071223

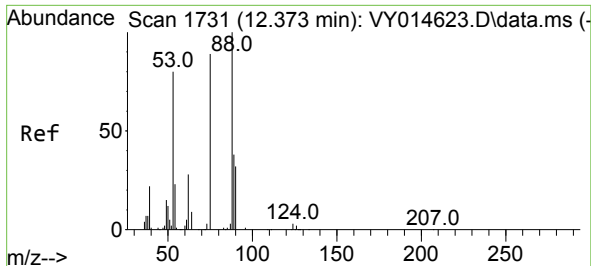
Tgt Ion: 75 Resp: 71921
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.113 ug/l
 RT: 12.806 min Scan# 1802
 Delta R.T. -0.006 min
 Lab File: VY014635.D
 Acq: 13 Jul 2023 18:24

Tgt Ion: 105 Resp: 9922
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.9 71.7

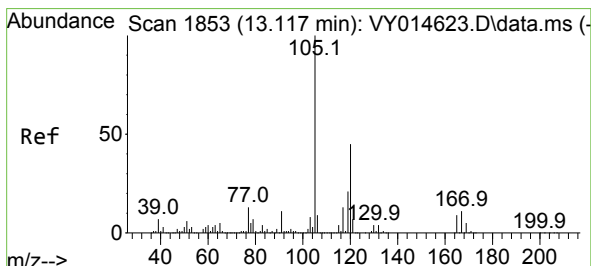
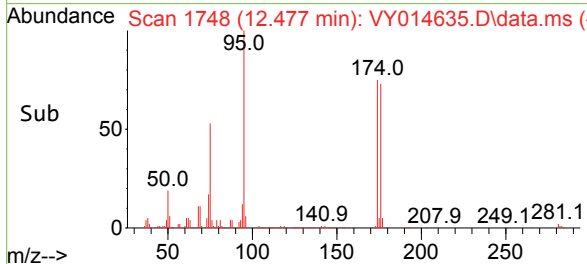
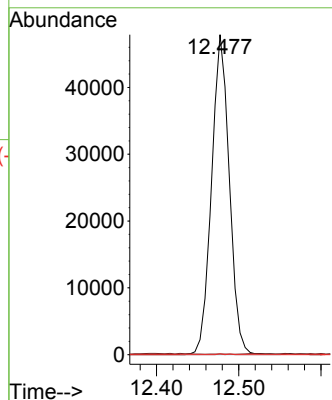
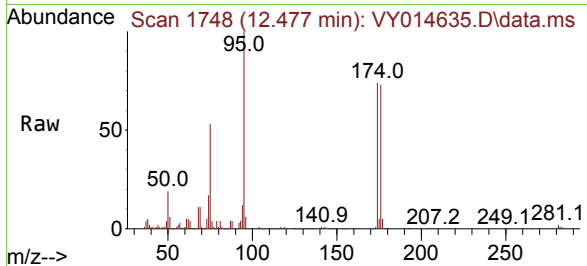




#81
trans-1,4-Dichloro-2-butene
Concen: 80.901 ug/l
RT: 12.477 min Scan# 1731
Delta R.T. 0.104 min
Lab File: VY014635.D
Acq: 13 Jul 2023 18:24

Instrument :
MSVOA_Y
ClientSampleId :
HR-1-071223

Tgt Ion: 75 Resp: 71921
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.1 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.970 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY014635.D
Acq: 13 Jul 2023 18:24

Tgt Ion: 105 Resp: 17226
Ion Ratio Lower Upper
105 100
120 43.0 22.2 66.6

