

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062424\
 Data File : VU059452.D
 Acq On : 24 Jun 2024 16:02
 Operator : MD/SY
 Sample : P2962-07 10X
 Misc : 2.43g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 25 03:16:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 22 00:01:31 2024
 Response via : Initial Calibration

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

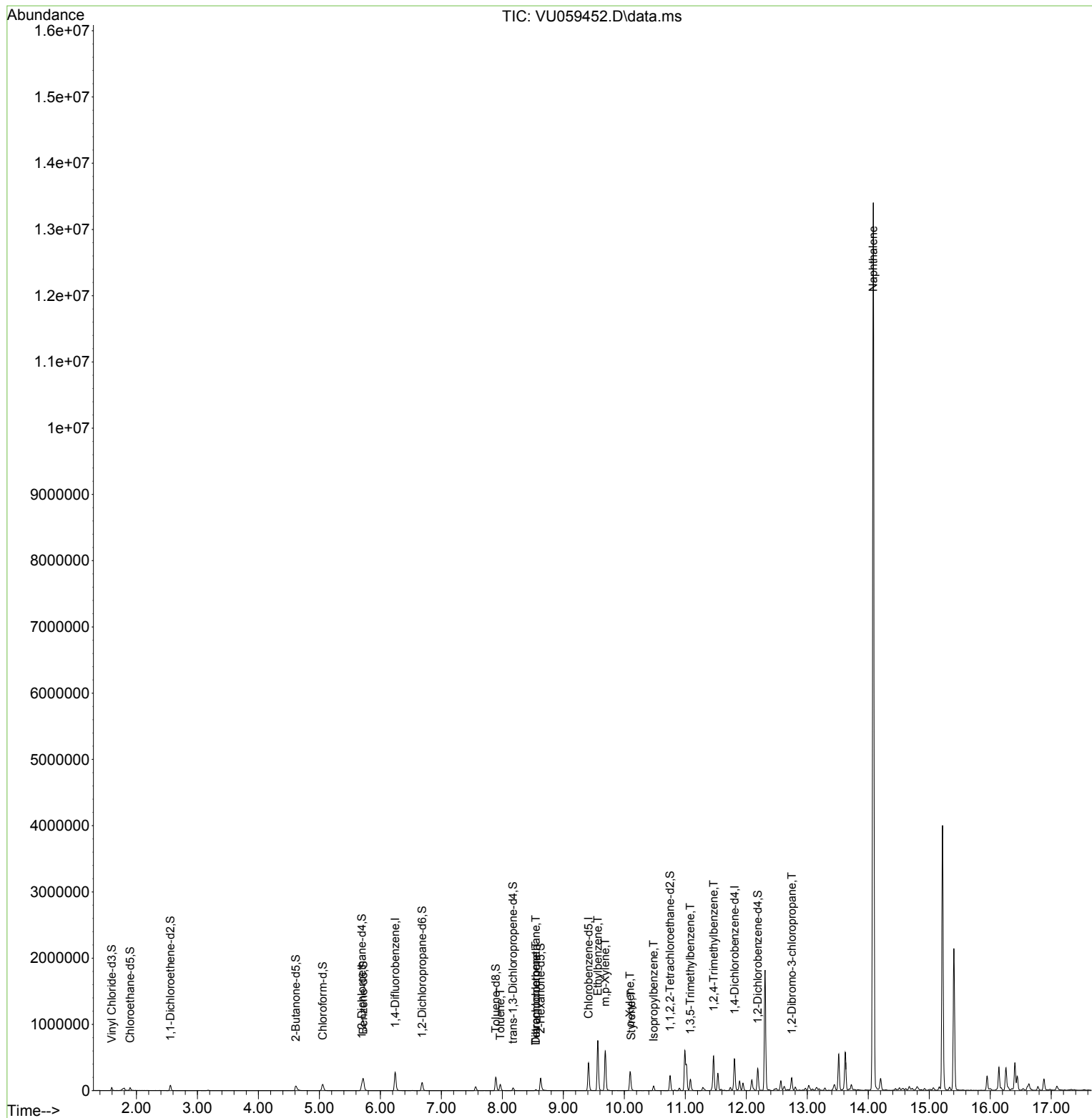
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	232298	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	240244	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	131555	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	34672	24.928	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	49.860%#		
7) Chloroethane-d5	1.895	69	36794	30.882	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	61.760%#		
11) 1,1-Dichloroethene-d2	2.557	63	48780	17.768	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	35.540%#		
21) 2-Butanone-d5	4.612	46	102323	78.051	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	78.050%		
24) Chloroform-d	5.052	84	93209	33.664	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	67.320%#		
26) 1,2-Dichloroethane-d4	5.695	65	60544	35.676	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	71.360%		
32) Benzene-d6	5.718	84	174240	31.600	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	63.200%#		
36) 1,2-Dichloropropane-d6	6.682	67	61908	32.563	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	65.120%#		
41) Toluene-d8	7.891	98	142888	30.526	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	61.060%#		
43) trans-1,3-Dichloroprop...	8.174	79	24064	31.313	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.620%		
47) 2-Hexanone-d5	8.627	63	64859	73.773	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	73.770%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	115858	36.007	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	72.020%		
66) 1,2-Dichlorobenzene-d4	12.187	152	75393	38.402	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	76.800%#		
Target Compounds						Qvalue
42) Toluene	7.965	91	71838	8.250	ug/L	100
46) Tetrachloroethene	8.550	164	3122	2.207	ug/L	91
49) Dibromochloromethane	8.550	129	3133	1.565	ug/L #	11
52) Ethylbenzene	9.563	91	534687	59.560	ug/L	98
53) m,p-Xylene	9.685	106	176434	53.475	ug/L	97
54) o-Xylene	10.094	106	78069	24.415	ug/L	93
55) Styrene	10.113	104	16927	3.114	ug/L #	78
61) Isopropylbenzene	10.480	105	45578	4.925	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	96308	14.362	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	290875	40.014	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.746	75	1728	1.863	ug/L #	8
71) Naphthalene	14.081	128	10347911	1432.777	ug/L	99

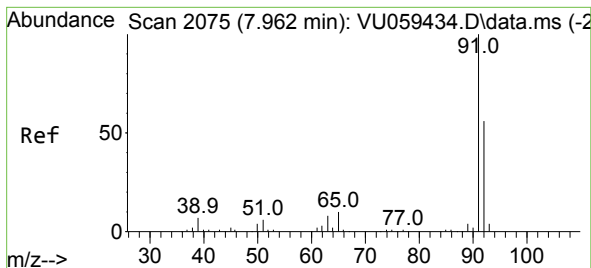
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#42

Toluene

Concen: 8.250 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU059452.D

Acq: 24 Jun 2024 16:02

Instrument :

MSVOA_U

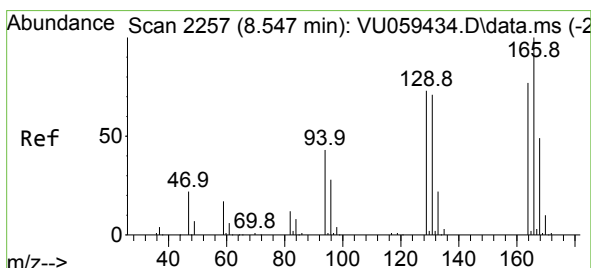
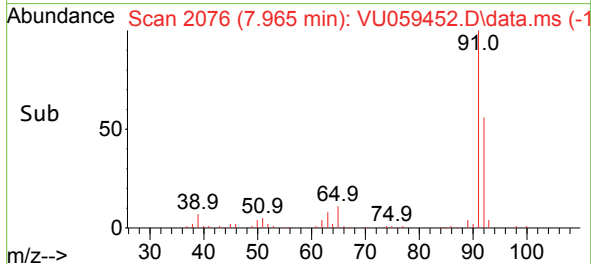
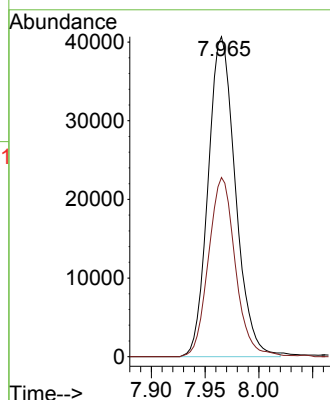
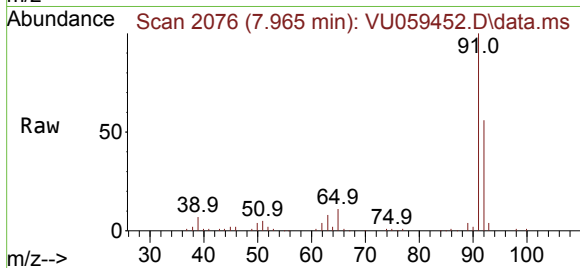
ClientSampleId :

Tgt Ion: 91 Resp: 71838

Ion Ratio Lower Upper

91 100

92 56.0 39.4 73.2



#46

Tetrachloroethene

Concen: 2.207 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.000 min

Lab File: VU059452.D

Acq: 24 Jun 2024 16:02

Tgt Ion: 164 Resp: 3122

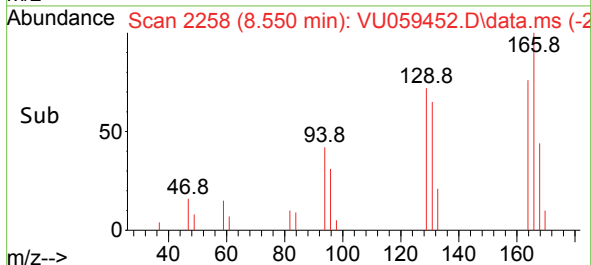
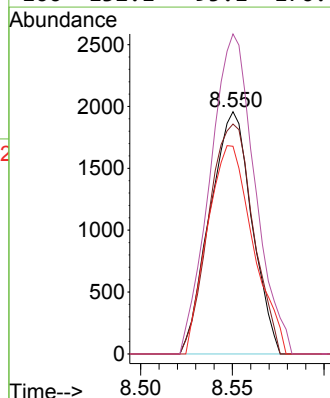
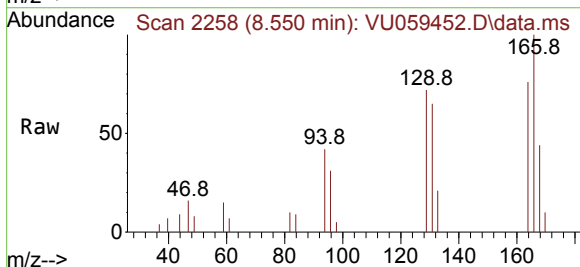
Ion Ratio Lower Upper

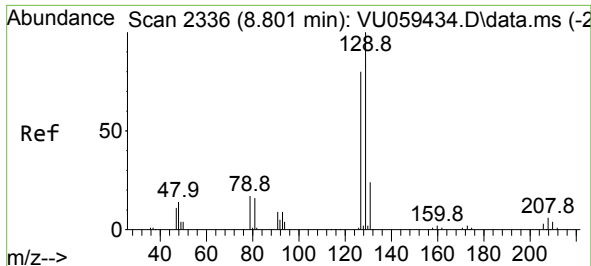
164 100

129 94.9 74.5 138.5

131 85.7 70.6 131.0

166 132.1 95.1 176.7





#49

Dibromochloromethane

Concen: 1.565 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU059452.D

Acq: 24 Jun 2024 16:02

Instrument :

MSVOA_U

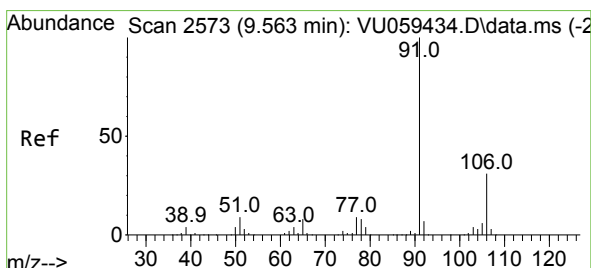
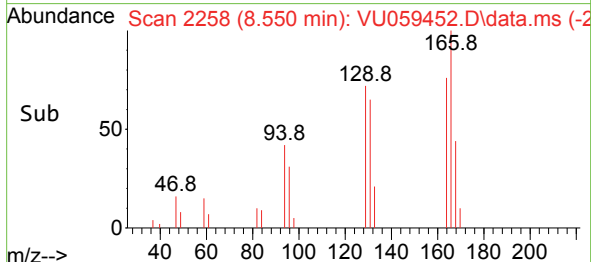
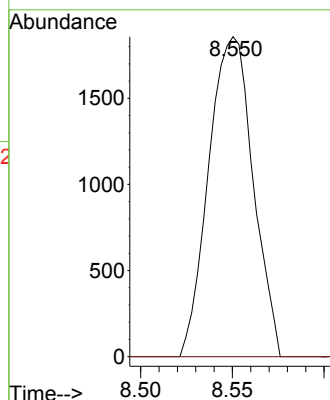
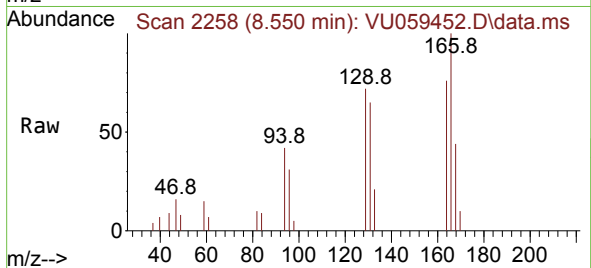
ClientSampleId :

Tgt Ion:129 Resp: 3133

Ion Ratio Lower Upper

129 100

127 0.0 53.3 98.9#



#52

Ethylbenzene

Concen: 59.560 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. -0.003 min

Lab File: VU059452.D

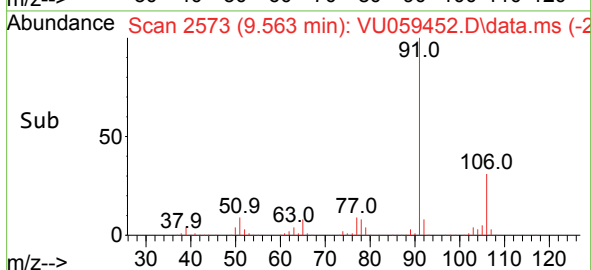
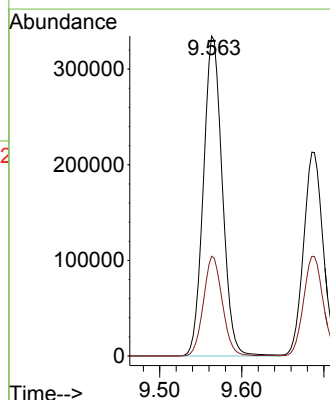
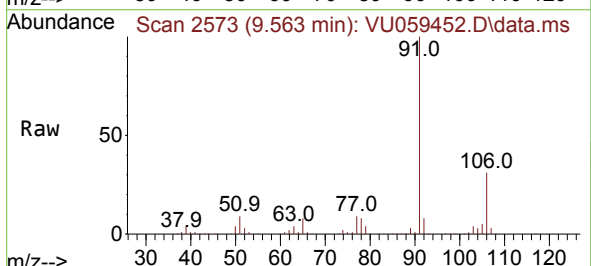
Acq: 24 Jun 2024 16:02

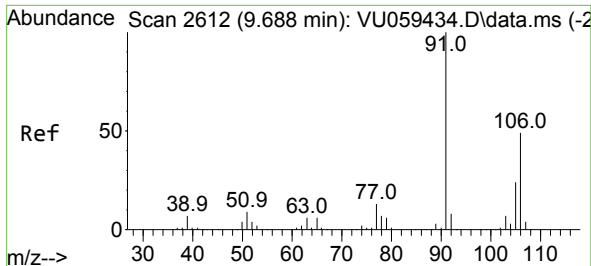
Tgt Ion: 91 Resp: 534687

Ion Ratio Lower Upper

91 100

106 31.2 21.0 39.0

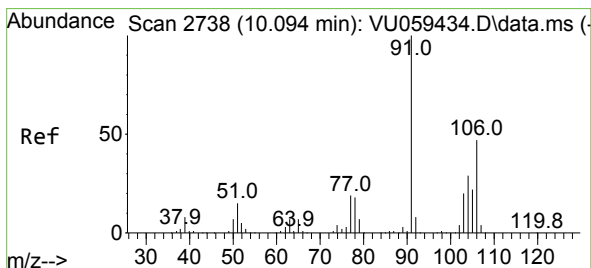
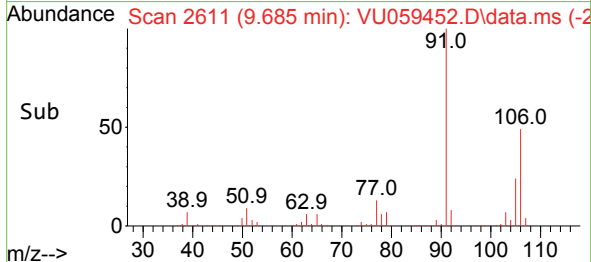
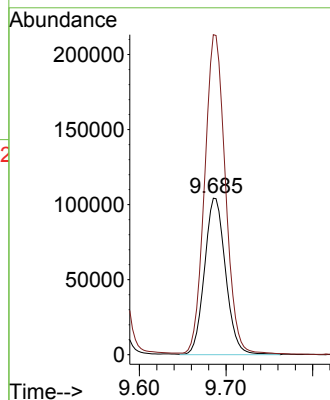
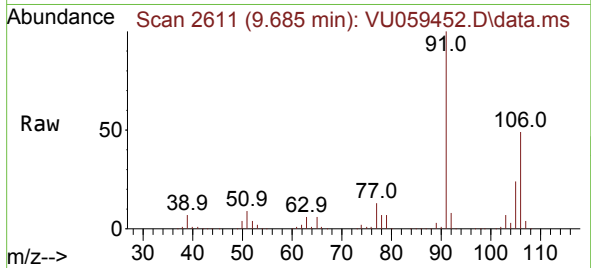




#53
m,p-Xylene
Concen: 53.475 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU059452.D
Acq: 24 Jun 2024 16:02

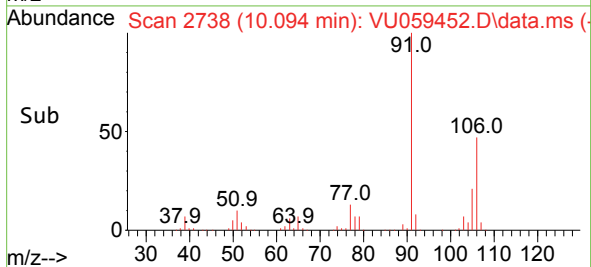
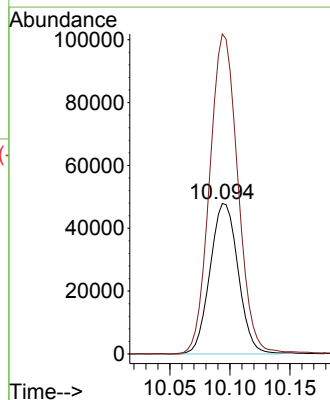
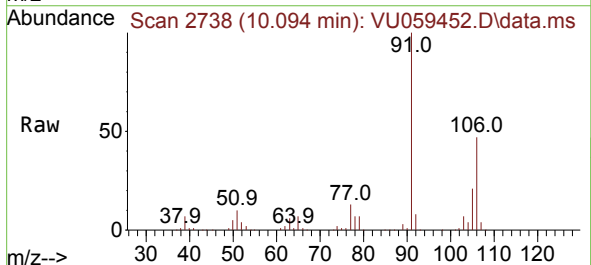
Instrument :
MSVOA_U
ClientSampleId :

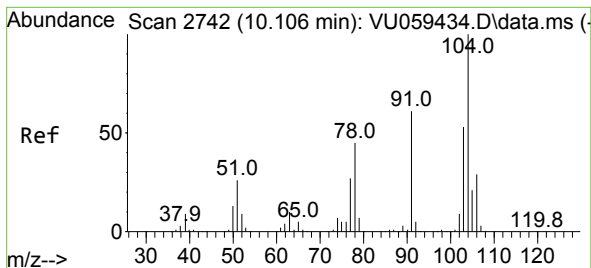
Tgt Ion:106 Resp: 176434
Ion Ratio Lower Upper
106 100
91 204.6 146.4 272.0



#54
o-Xylene
Concen: 24.415 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.003 min
Lab File: VU059452.D
Acq: 24 Jun 2024 16:02

Tgt Ion:106 Resp: 78069
Ion Ratio Lower Upper
106 100
91 212.7 156.7 290.9





#55

Styrene

Concen: 3.114 ug/L

RT: 10.113 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU059452.D

Acq: 24 Jun 2024 16:02

Instrument :

MSVOA_U

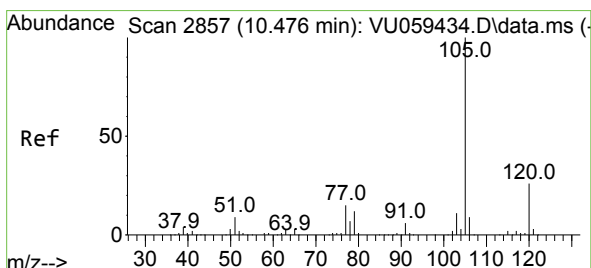
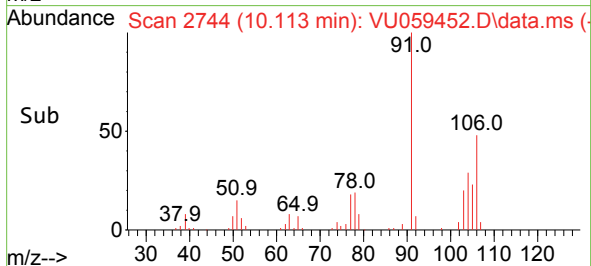
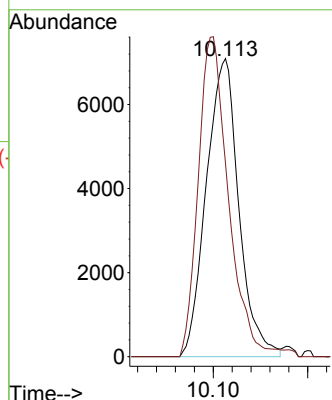
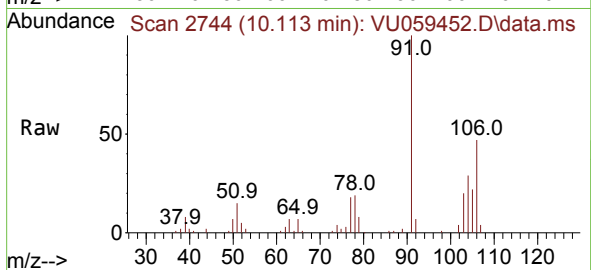
ClientSampleId :

Tgt Ion:104 Resp: 16927

Ion Ratio Lower Upper

104 100

78 64.9 34.7 64.5#



#61

Isopropylbenzene

Concen: 4.925 ug/L

RT: 10.480 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU059452.D

Acq: 24 Jun 2024 16:02

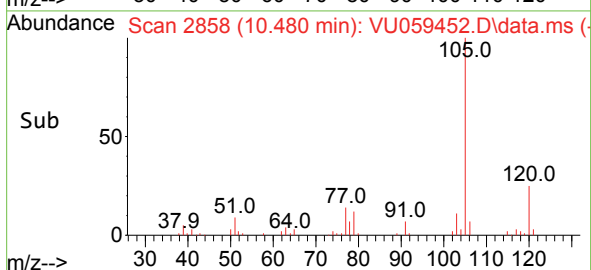
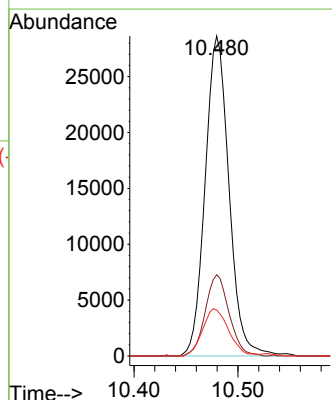
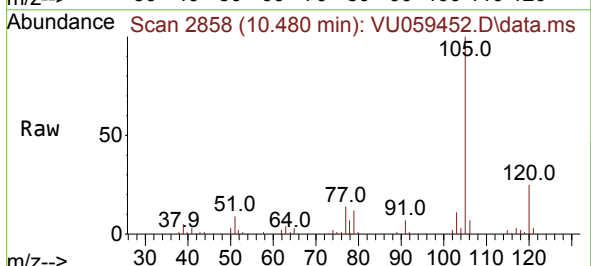
Tgt Ion:105 Resp: 45578

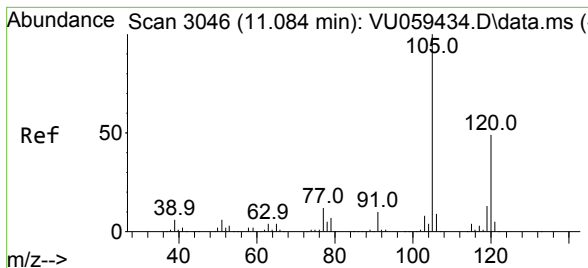
Ion Ratio Lower Upper

105 100

120 25.4 20.3 30.5

77 16.0 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 14.362 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU059452.D

Acq: 24 Jun 2024 16:02

Instrument :

MSVOA_U

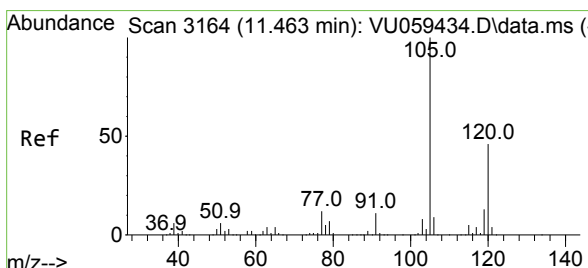
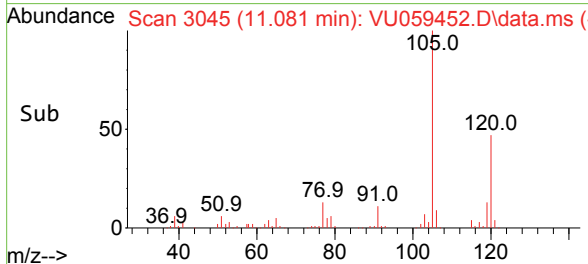
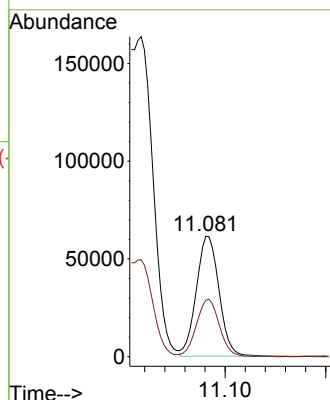
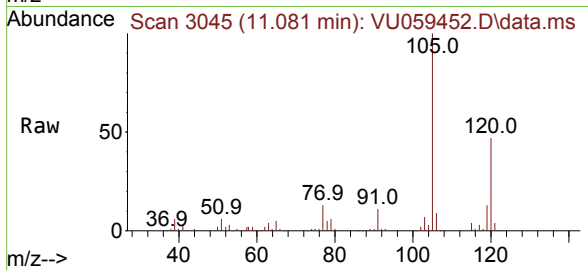
ClientSampleId :

Tgt Ion:105 Resp: 96308

Ion Ratio Lower Upper

105 100

120 47.7 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 40.014 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU059452.D

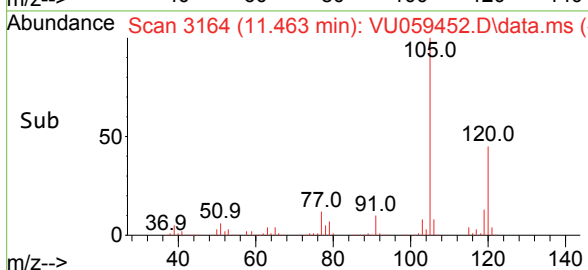
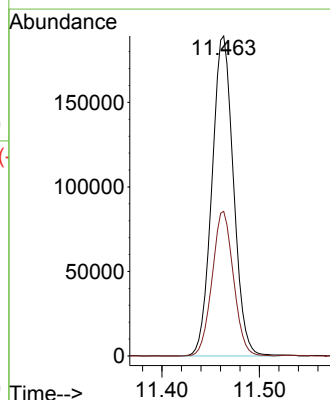
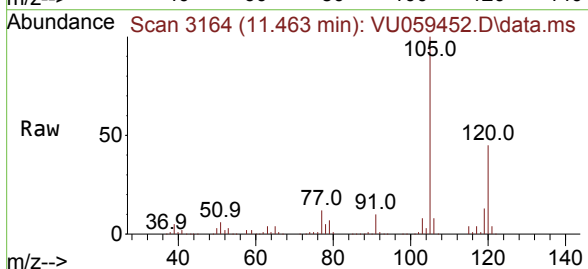
Acq: 24 Jun 2024 16:02

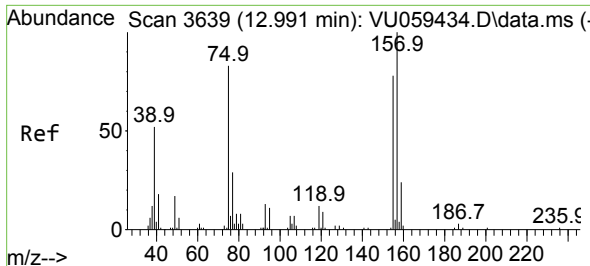
Tgt Ion:105 Resp: 290875

Ion Ratio Lower Upper

105 100

120 44.7 35.0 52.6

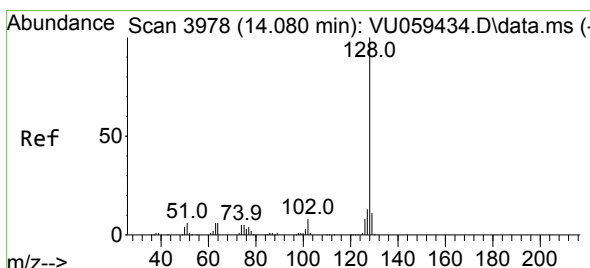
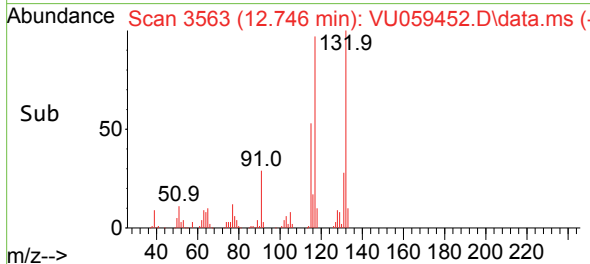
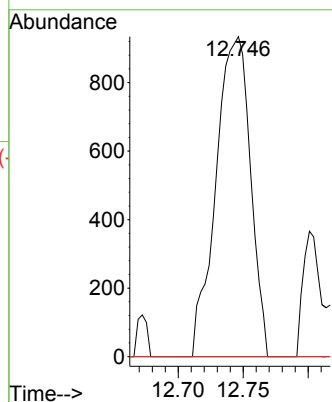
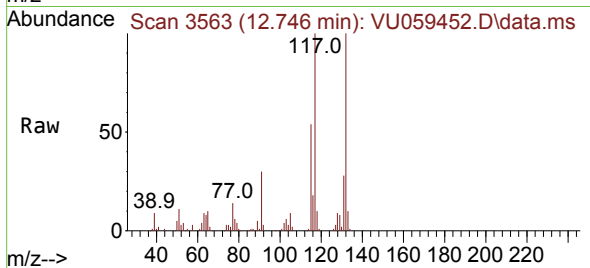




#68
1,2-Dibromo-3-chloropropane
Concen: 1.863 ug/L
RT: 12.746 min Scan# 3563
Delta R.T. -0.244 min
Lab File: VU059452.D
Acq: 24 Jun 2024 16:02

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 1728
Ion Ratio Lower Upper
75 100
155 0.0 57.5 86.3#
157 0.0 73.4 110.2#



#71
Naphthalene
Concen: 1432.777 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU059452.D
Acq: 24 Jun 2024 16:02

Tgt Ion: 128 Resp: 10347911
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.0 8.5 12.7

