

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062424\
 Data File : VU059451.D
 Acq On : 24 Jun 2024 15:39
 Operator : MD/SY
 Sample : P2962-06 10X
 Misc : 4.52g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 25 03:16:37 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)

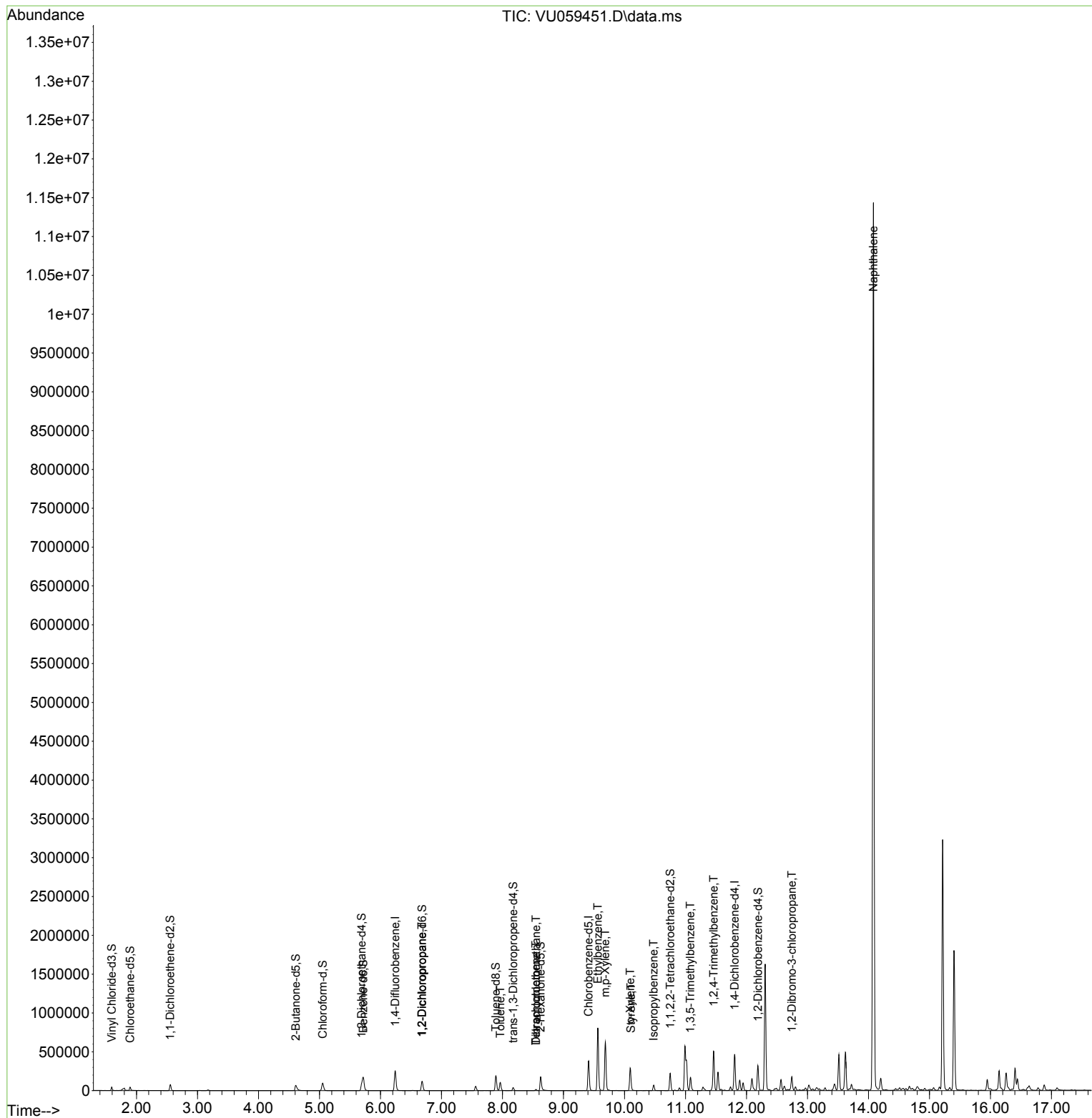
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	211288	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	222139	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	123776	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	33337	26.352	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	52.700%#		
7) Chloroethane-d5	1.894	69	34272	31.626	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	63.260%#		
11) 1,1-Dichloroethene-d2	2.554	63	45746	18.320	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	36.640%#		
21) 2-Butanone-d5	4.611	46	96263	80.730	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	80.730%		
24) Chloroform-d	5.052	84	92094	36.568	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	73.140%		
26) 1,2-Dichloroethane-d4	5.692	65	60552	39.229	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	78.460%		
32) Benzene-d6	5.717	84	165391	32.440	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	64.880%#		
36) 1,2-Dichloropropane-d6	6.682	67	61075	34.743	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	69.480%#		
41) Toluene-d8	7.891	98	133742	30.901	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	61.800%#		
43) trans-1,3-Dichloroprop...	8.174	79	22459	31.606	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.220%		
47) 2-Hexanone-d5	8.624	63	59491	73.182	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	73.180%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	111093	37.340	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	74.680%		
66) 1,2-Dichlorobenzene-d4	12.187	152	74710	40.446	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	80.900%		
Target Compounds						Qvalue
37) 1,2-Dichloropropane	6.679	63	6571	2.885	ug/L #	90
42) Toluene	7.965	91	81851	10.166	ug/L	98
46) Tetrachloroethene	8.547	164	3895	2.977	ug/L	79
49) Dibromochloromethane	8.550	129	3271	1.767	ug/L #	11
52) Ethylbenzene	9.563	91	554308	66.778	ug/L	98
53) m,p-Xylene	9.685	106	182218	59.730	ug/L	96
54) o-Xylene	10.093	106	77676	26.272	ug/L	95
55) Styrene	10.106	104	17107	3.404	ug/L #	48
61) Isopropylbenzene	10.479	105	44430	5.102	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	93631	14.840	ug/L	95
63) 1,2,4-Trimethylbenzene	11.463	105	275650	40.303	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.743	75	1703	1.952	ug/L #	8
71) Naphthalene	14.080	128	8954031	1317.697	ug/L	99

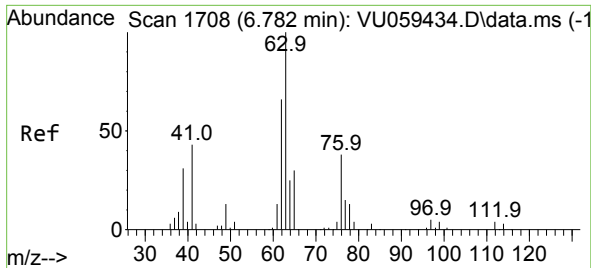
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#37

1,2-Dichloropropane

Concen: 2.885 ug/L

RT: 6.679 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU059451.D

Acq: 24 Jun 2024 15:39

Instrument :

MSVOA_U

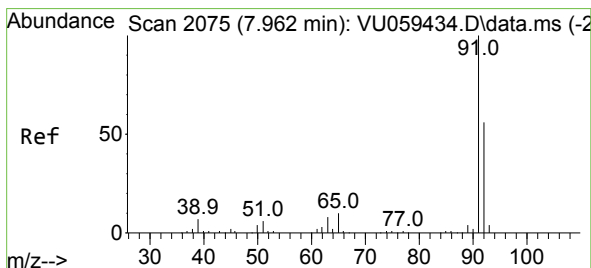
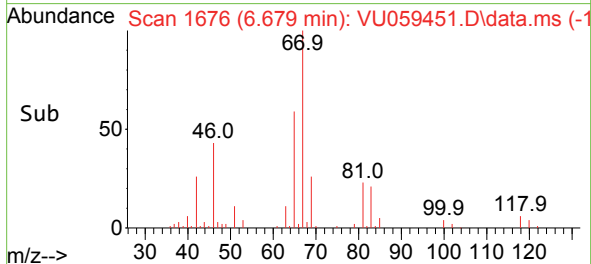
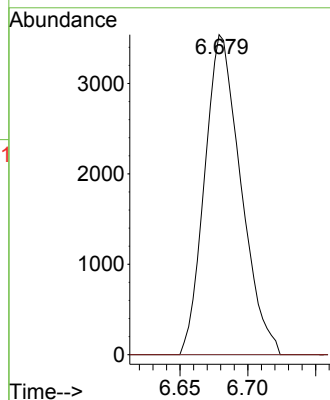
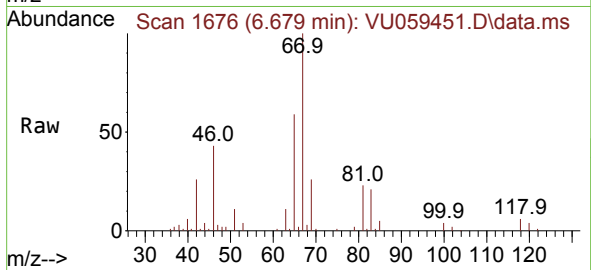
ClientSampleId :

Tgt Ion: 63 Resp: 6571

Ion Ratio Lower Upper

63 100

112 0.0 2.6 4.0#



#42

Toluene

Concen: 10.166 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU059451.D

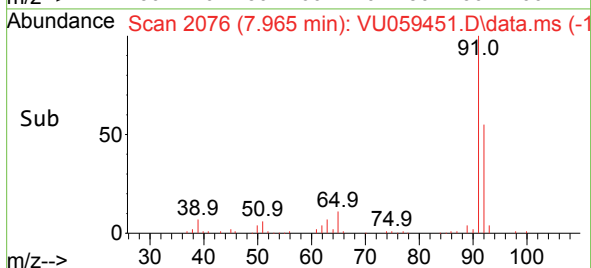
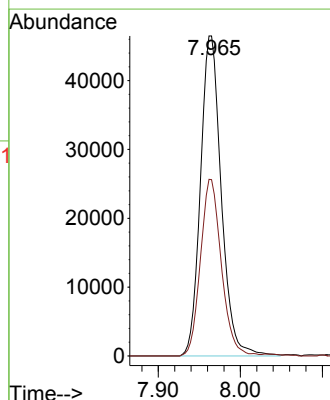
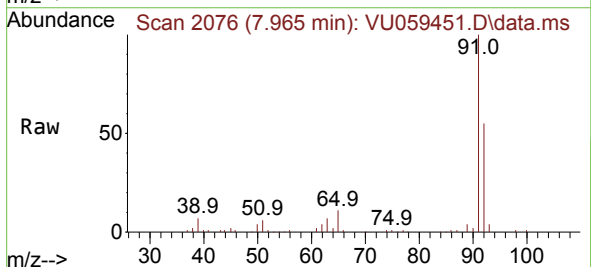
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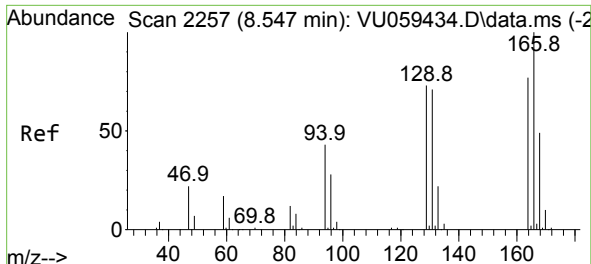
Tgt Ion: 91 Resp: 81851

Ion Ratio Lower Upper

91 100

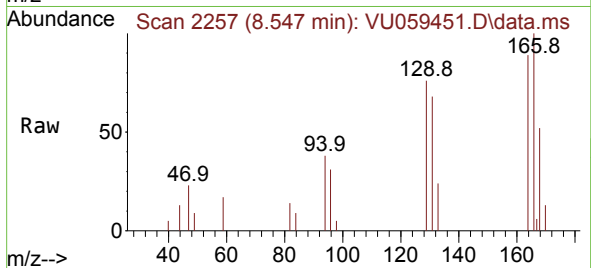
92 55.1 39.4 73.2



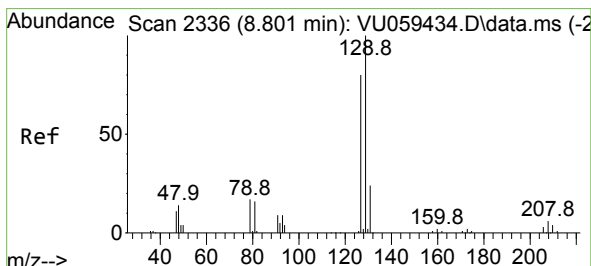
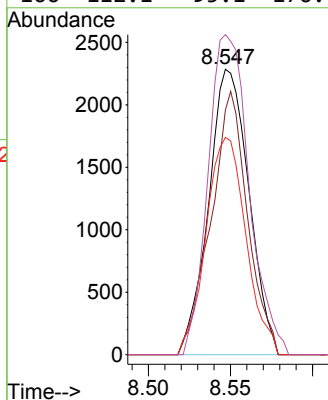
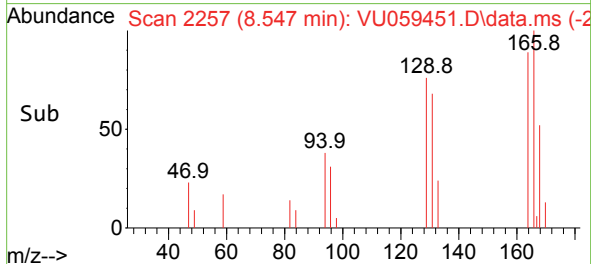


#46
Tetrachloroethene
Concen: 2.977 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU059451.D
Acq: 24 Jun 2024 15:39

Instrument :
MSVOA_U
ClientSampleId :

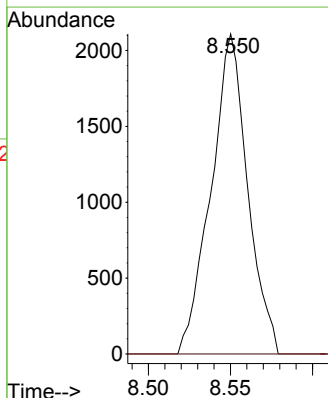
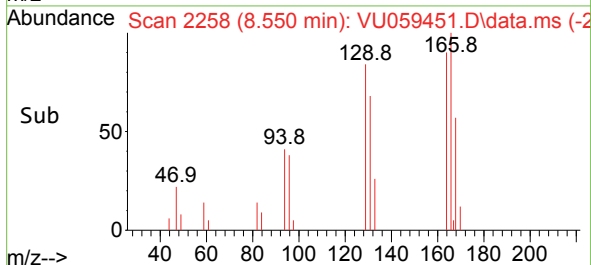
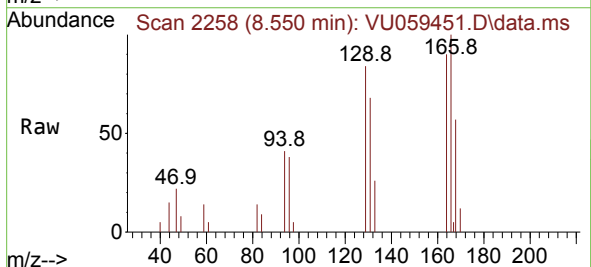


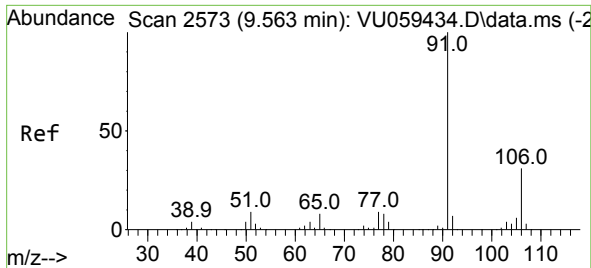
Tgt Ion:164 Resp: 3895
Ion Ratio Lower Upper
164 100
129 85.7 74.5 138.5
131 76.1 70.6 131.0
166 112.1 95.1 176.7



#49
Dibromochloromethane
Concen: 1.767 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.254 min
Lab File: VU059451.D
Acq: 24 Jun 2024 15:39

Tgt Ion:129 Resp: 3271
Ion Ratio Lower Upper
129 100
127 0.0 53.3 98.9#

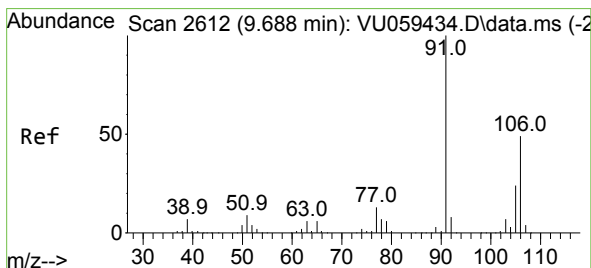
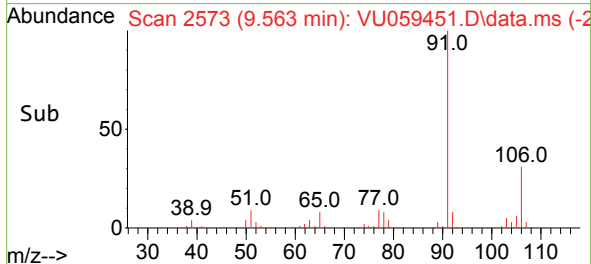
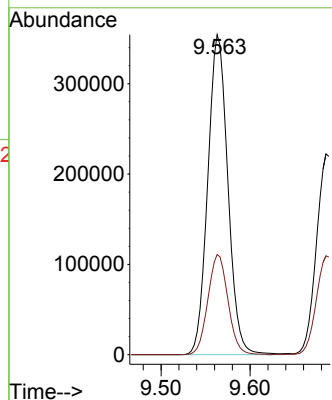
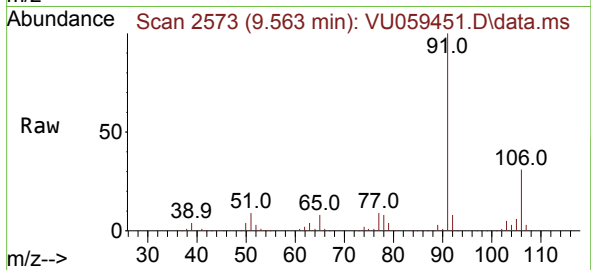




#52
Ethylbenzene
Concen: 66.778 ug/L
RT: 9.563 min Scan# 211
Delta R.T. -0.003 min
Lab File: VU059451.D
Acq: 24 Jun 2024 15:39

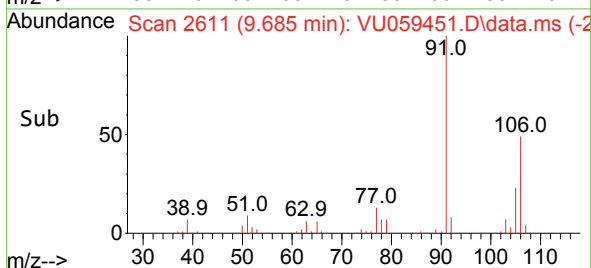
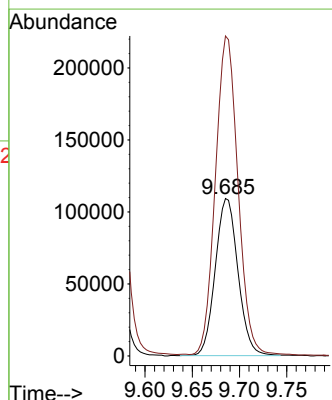
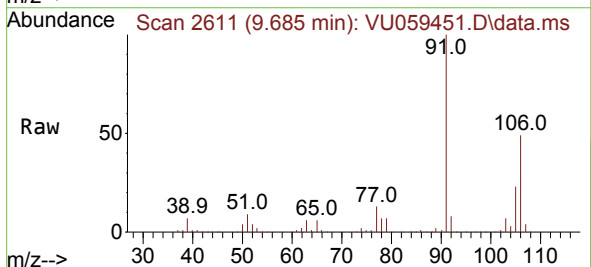
Instrument :
MSVOA_U
ClientSampleId :

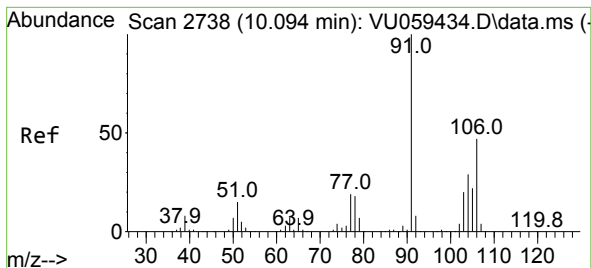
Tgt Ion: 91 Resp: 554308
Ion Ratio Lower Upper
91 100
106 31.3 21.0 39.0



#53
m,p-Xylene
Concen: 59.730 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU059451.D
Acq: 24 Jun 2024 15:39

Tgt Ion:106 Resp: 182218
Ion Ratio Lower Upper
106 100
91 203.1 146.4 272.0





#54

o-Xylene

Concen: 26.272 ug/L

RT: 10.093 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU059451.D

Acq: 24 Jun 2024 15:39

Instrument :

MSVOA_U

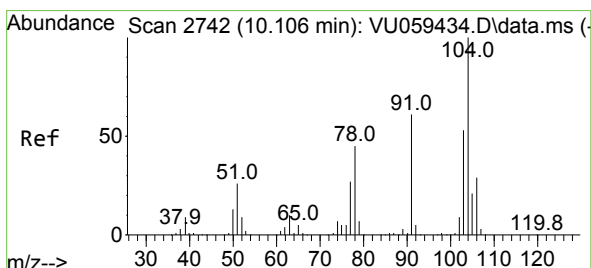
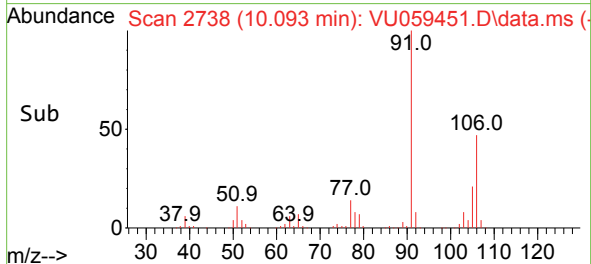
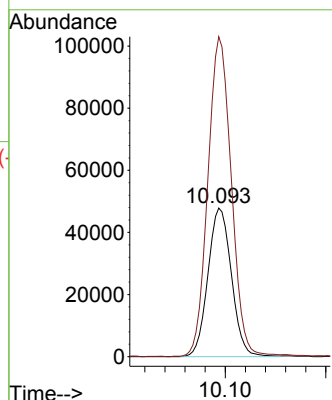
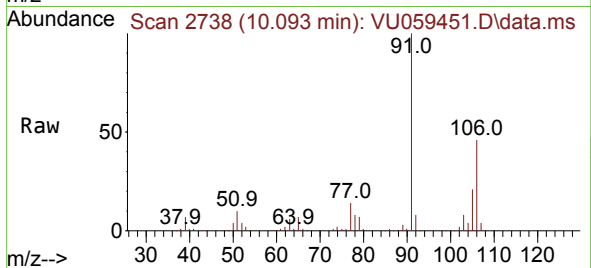
ClientSampleId :

Tgt Ion:106 Resp: 77676

Ion Ratio Lower Upper

106 100

91 215.2 156.7 290.9



#55

Styrene

Concen: 3.404 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. -0.003 min

Lab File: VU059451.D

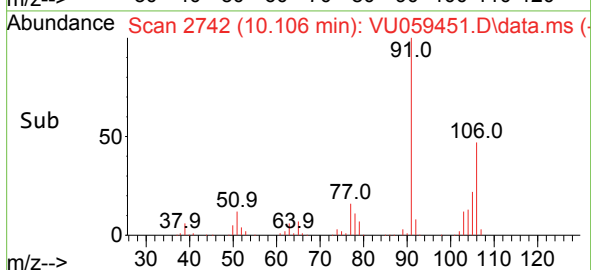
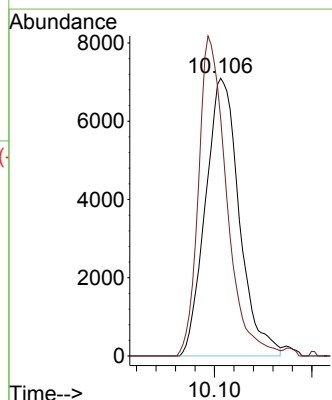
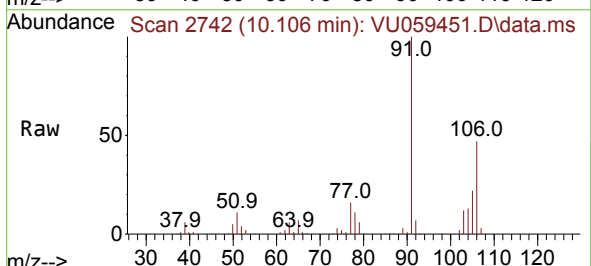
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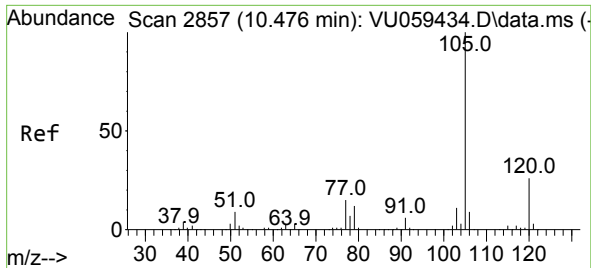
Tgt Ion:104 Resp: 17107

Ion Ratio Lower Upper

104 100

78 85.5 34.7 64.5#

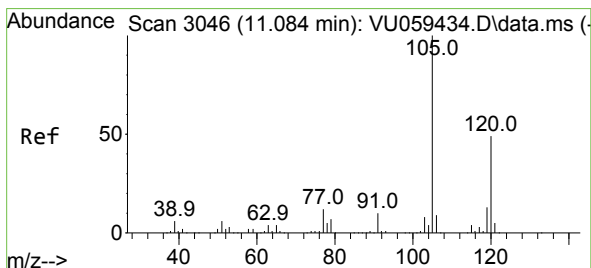
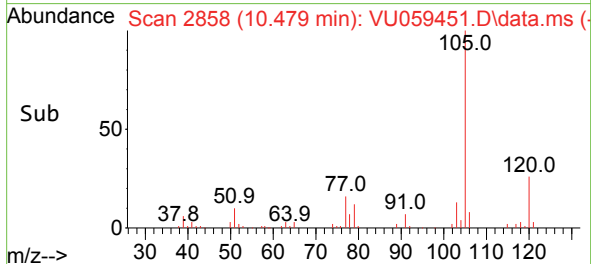
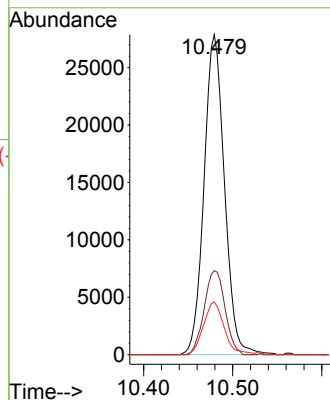
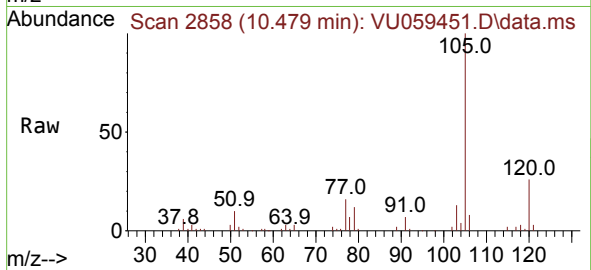




#61
Isopropylbenzene
Concen: 5.102 ug/L
RT: 10.479 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU059451.D
Acq: 24 Jun 2024 15:39

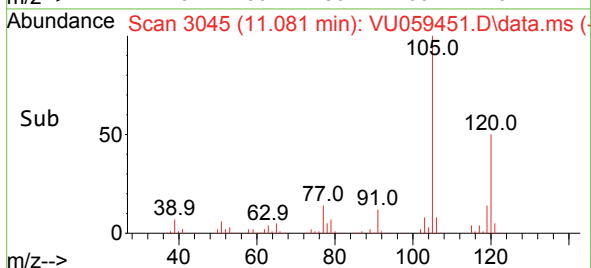
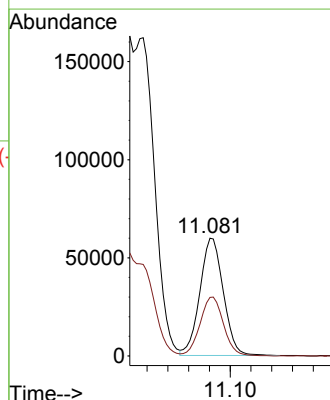
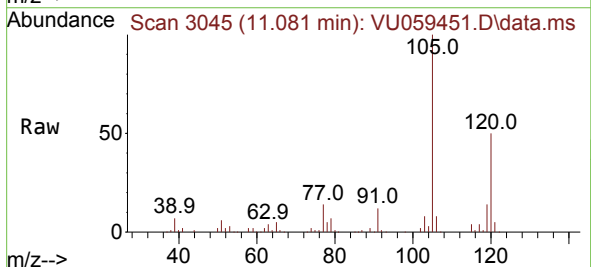
Instrument :
MSVOA_U
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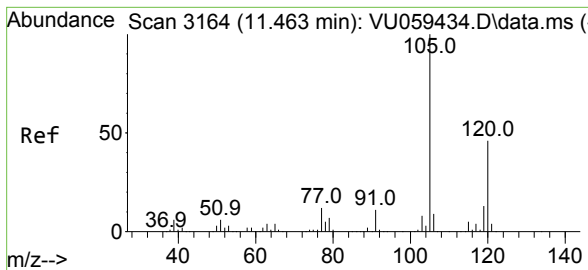
Tgt Ion:105 Resp: 44430
Ion Ratio Lower Upper
105 100
120 26.6 20.3 30.5
77 16.7 13.4 20.0



#62
1,3,5-Trimethylbenzene
Concen: 14.840 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.003 min
Lab File: VU059451.D
Acq: 24 Jun 2024 15:39

Tgt Ion:105 Resp: 93631
Ion Ratio Lower Upper
105 100
120 50.5 37.8 56.8

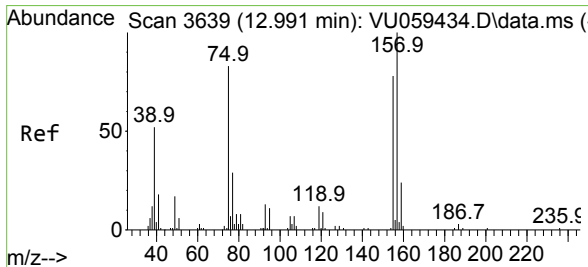
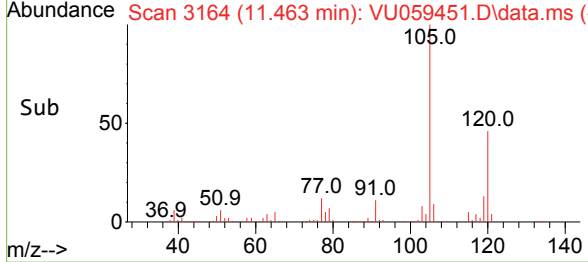
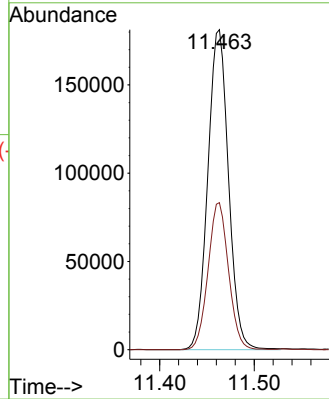
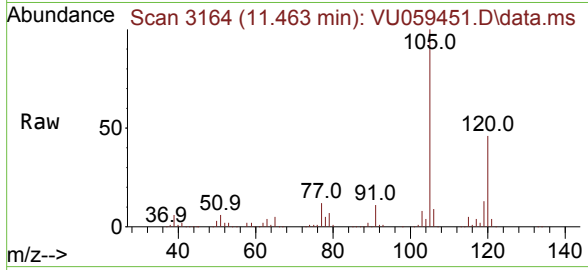




#63
 1,2,4-Trimethylbenzene
 Concen: 40.303 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.000 min
 Lab File: VU059451.D
 Acq: 24 Jun 2024 15:39

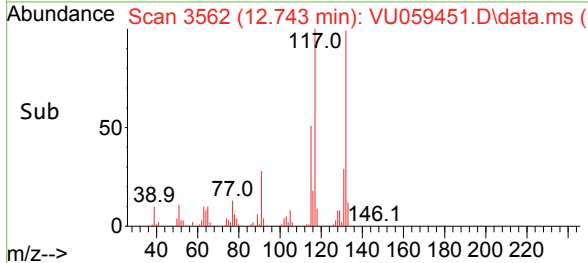
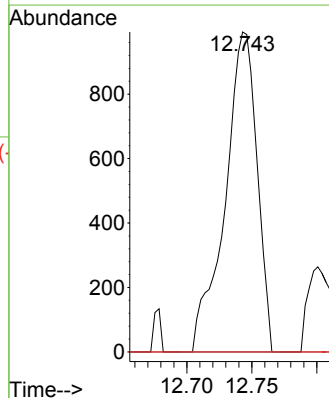
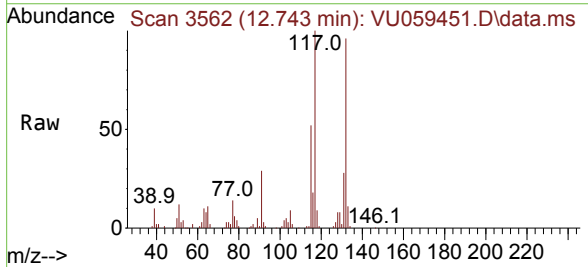
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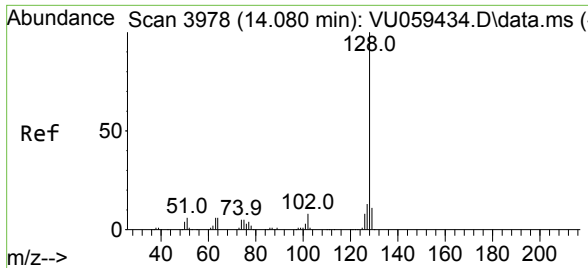
Tgt Ion:105 Resp: 275650
 Ion Ratio Lower Upper
 105 100
 120 45.5 35.0 52.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.952 ug/L
 RT: 12.743 min Scan# 3562
 Delta R.T. -0.248 min
 Lab File: VU059451.D
 Acq: 24 Jun 2024 15:39

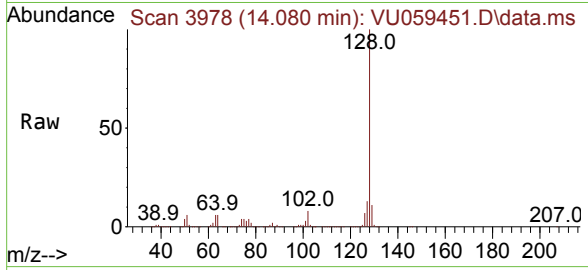
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 Ion Ratio Lower Upper
 75 100
 155 0.0 57.5 86.3#
 157 0.0 73.4 110.2#





#71
Naphthalene
Concen: 1317.697 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU059451.D
Acq: 24 Jun 2024 15:39

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 8954031
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.0 8.5 12.7

