

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U070124\
 Data File : U059701.D
 Acq On : 01 Jul 2024 22:05
 Operator : MD/SY
 Sample : P3121-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 02 03:55:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 29 01:51:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	217491	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	210400	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	118962	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	41862	2.768	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	55.400%
7) Chloroethane-d5	1.908	69	46193	3.174	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	63.400%#
11) 1,1-Dichloroethene-d2	2.560	65	20145	3.211	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.200%
20) 2-Butanone-d5	4.628	46	137179	44.036	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.080%
24) Chloroform-d	5.055	84	109662	3.533	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.600%
26) 1,2-Dichloroethane-d4	5.695	65	53390	3.571	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.400%
32) Benzene-d6	5.721	84	223963	3.868	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.400%
36) 1,2-Dichloropropane-d6	6.682	67	72281	4.074	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.400%
41) Toluene-d8	7.891	98	209921	3.900	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.000%
43) trans-1,3-Dichloroprop...	8.174	79	24324	4.378	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.628	63	141426	61.261	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.520%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	64241	4.382	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	90173	4.259	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	112854	5.151	ug/L	100
12) 1,1-Dichloroethene	2.570	96	4728	0.307	ug/L #	1
13) Acetone	2.653	43	13027	6.447	ug/L	86
14) Carbon disulfide	2.785	76	23771	0.462	ug/L	97
15) Methyl Acetate	2.953	43	86989	16.313	ug/L #	73
18) trans-1,2-Dichloroethene	3.345	96	54067	3.370	ug/L	90
19) 1,1-Dichloroethane	3.869	63	7720	0.261	ug/L #	79
21) 2-Butanone	4.724	43	41810	12.899	ug/L	94
22) cis-1,2-Dichloroethene	4.653	96	4538858	256.692	ug/L	95
25) Chloroform	5.116	83	55195	1.771	ug/L #	26
30) Cyclohexane	5.380	56	1170596	54.571	ug/L	93
33) Benzene	5.769	78	112286	1.757	ug/L	100
34) Trichloroethene	6.534	95	105869	6.118	ug/L	97
35) Methylcyclohexane	6.756	83	297379	12.078	ug/L	99
37) 1,2-Dichloropropane	6.753	63	3304	0.200	ug/L #	90
38) Bromodichloromethane	7.152	83	17497	0.848	ug/L #	29
42) Toluene	7.962	91	3641526	53.833	ug/L	100
45) 1,1,2-Trichloroethane	8.361	97	35004	2.873	ug/L #	19
47) Tetrachloroethene	8.547	164	17561	1.308	ug/L	96

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

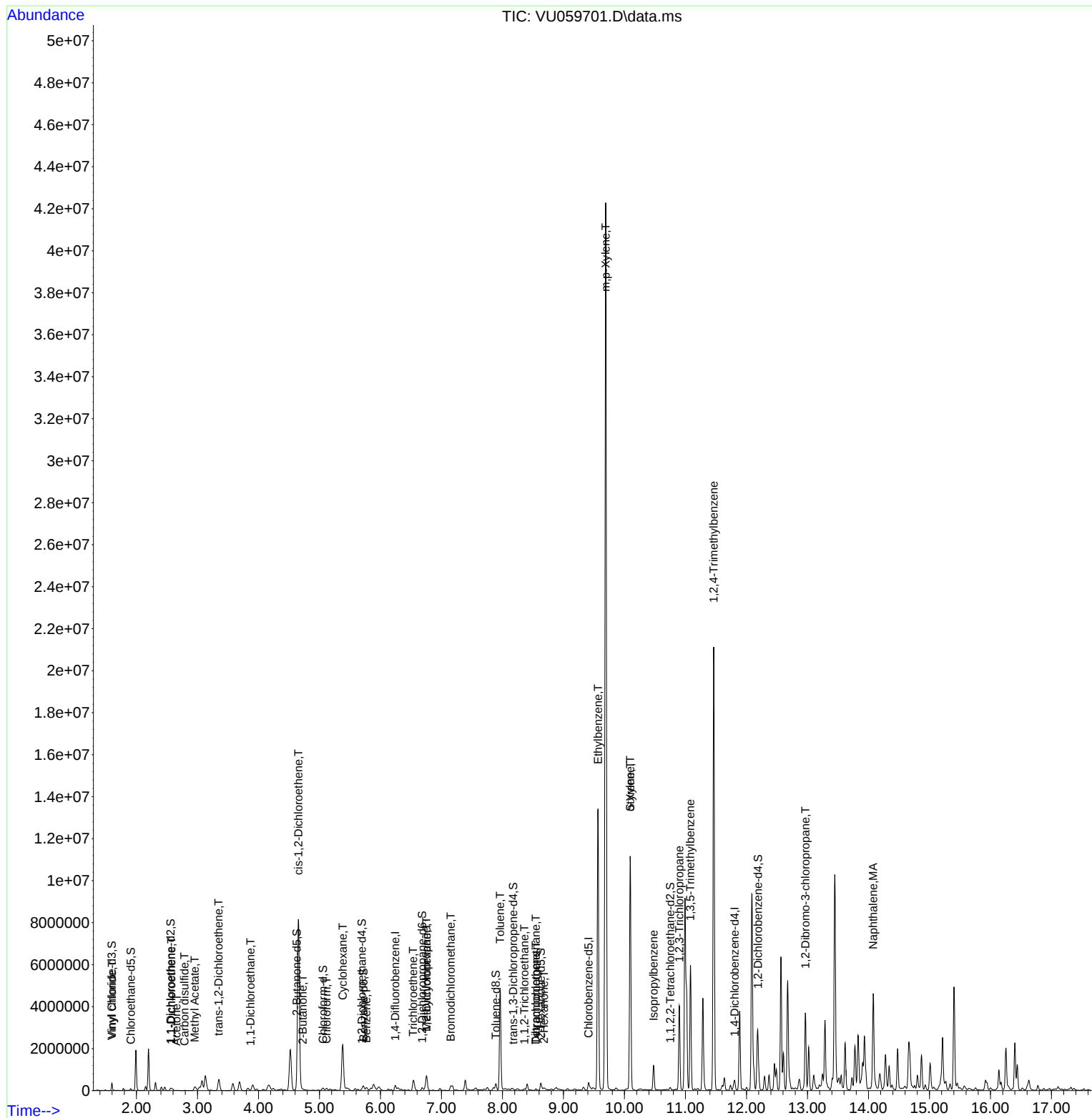
48) 2-Hexanone	8.679	43	25900	4.737	ug/L #	71
49) Dibromochloromethane	8.547	129	15901	1.178	ug/L #	12
52) Ethylbenzene	9.566	91	9617234	138.595	ug/L	96
53) m,p-Xylene	9.692	106	12534157	470.317	ug/L #	38
54) o-Xylene	10.094	106	3060825	121.017	ug/L	97
55) Styrene	10.094	104	152004	3.530	ug/L #	1
60) Isopropylbenzene	10.476	105	763861	10.395	ug/L	98
61) 1,2,3-Trichloropropane	10.901	75	17539	1.595	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.081	105	3253078	55.877	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	11458938	205.873	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.965	75	14792	6.898	ug/L #	6
71) Naphthalene	14.077	128	3732421	122.867	ug/L	98

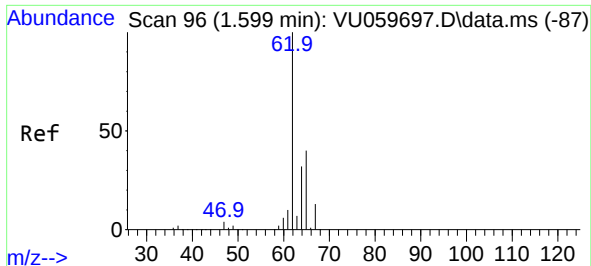
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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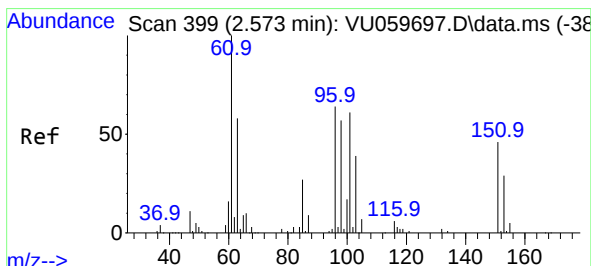
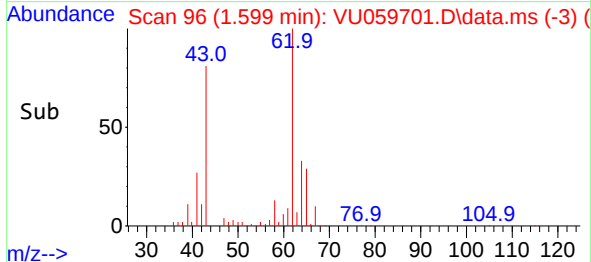
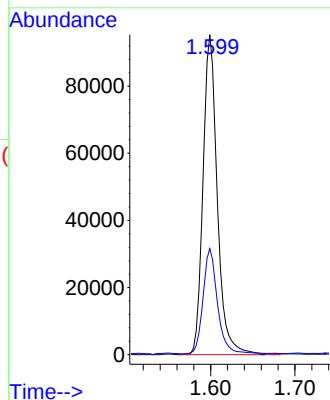
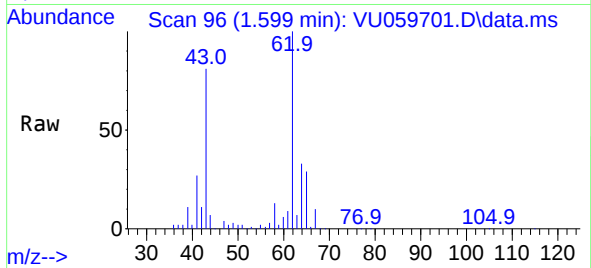




#5
 Vinyl chloride
 Concen: 5.151 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU059701.D
 Acq: 01 Jul 2024 22:05

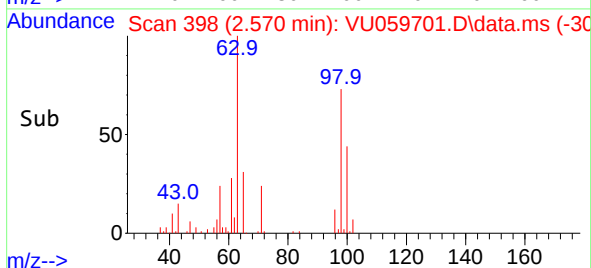
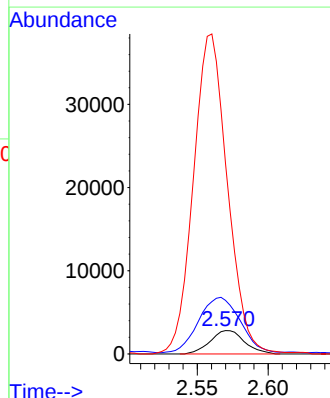
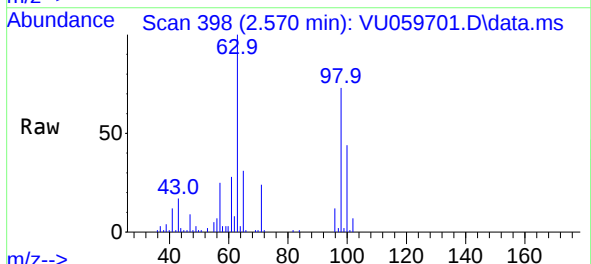
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 ClientSampleId :

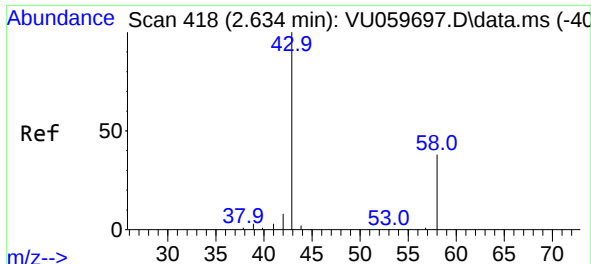
Tgt Ion: 62 Resp: 112854
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.1 42.9



#12
 1,1-Dichloroethene
 Concen: 0.307 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.003 min
 Lab File: VU059701.D
 Acq: 01 Jul 2024 22:05

Tgt Ion: 96 Resp: 4728
 Ion Ratio Lower Upper
 96 100
 61 228.9 122.9 228.3#
 63 815.1 80.4 149.4#





#13

Acetone

Concen: 6.447 ug/L

RT: 2.653 min Scan# 41

Delta R.T. 0.020 min

Lab File: VU059701.D

Acq: 01 Jul 2024 22:05

Instrument :

MSVOA_U

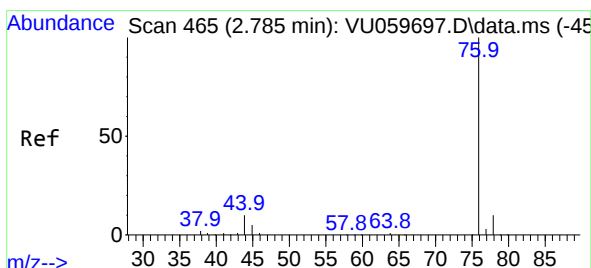
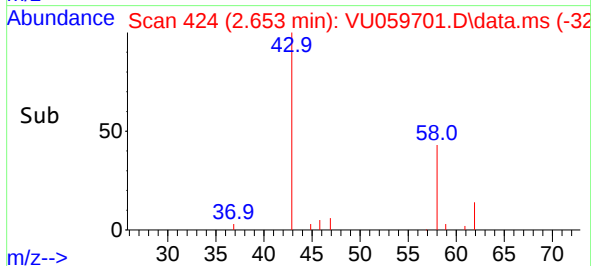
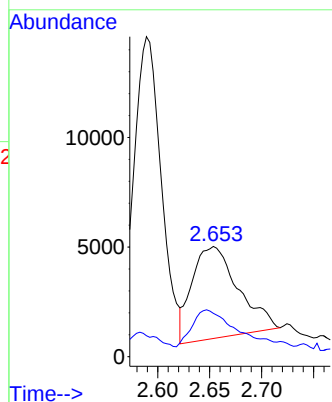
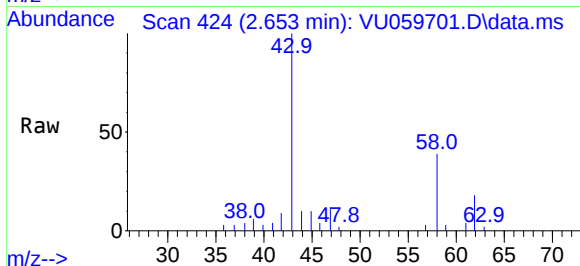
ClientSampleId :

Tgt Ion: 43 Resp: 13027

Ion Ratio Lower Upper

43 100

58 42.3 0.0 68.0



#14

Carbon disulfide

Concen: 0.462 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU059701.D

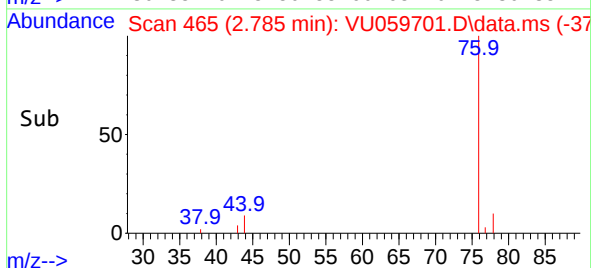
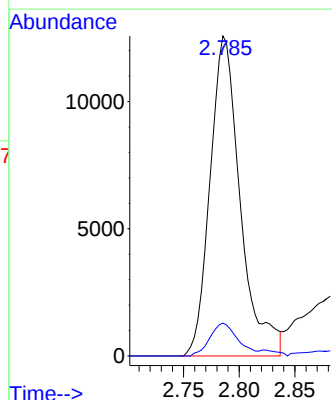
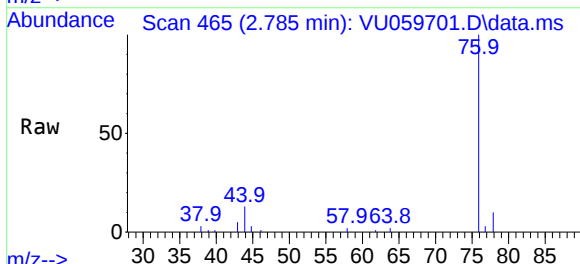
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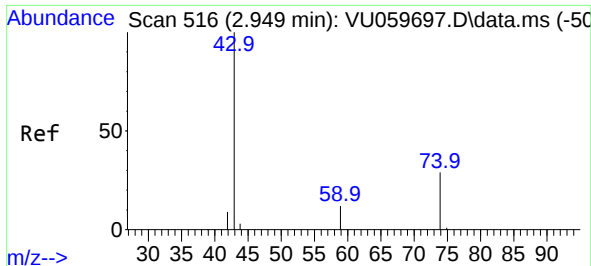
Tgt Ion: 76 Resp: 23771

Ion Ratio Lower Upper

76 100

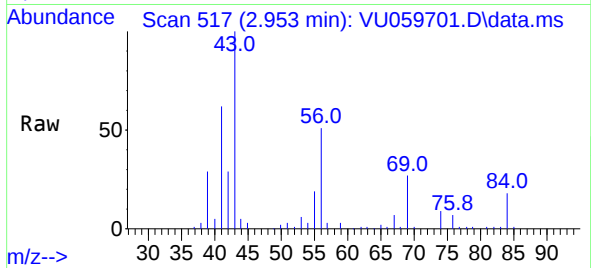
78 10.3 7.3 10.9



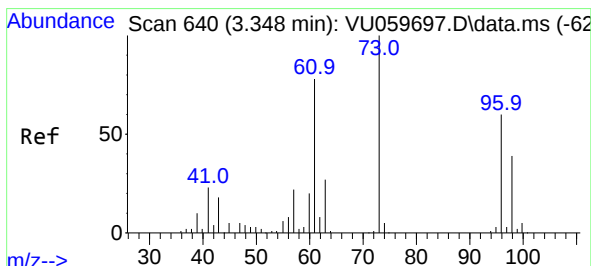
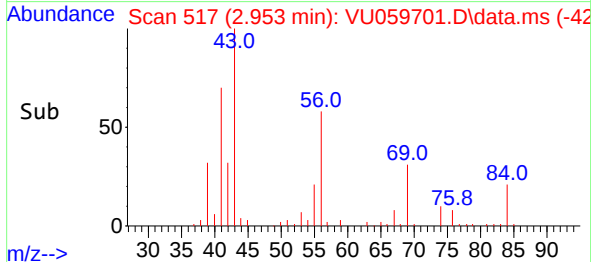
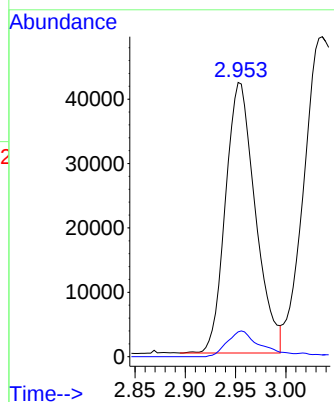


#15
Methyl Acetate
Concen: 16.313 ug/L
RT: 2.953 min Scan# 516
Delta R.T. 0.003 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Instrument :
MSVOA_U
ClientSampleId :

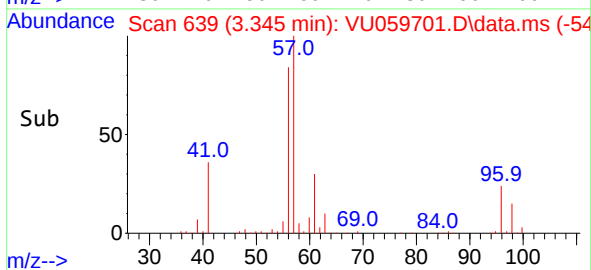
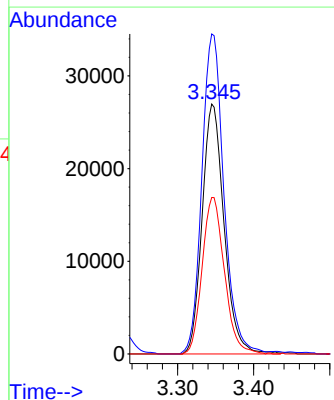
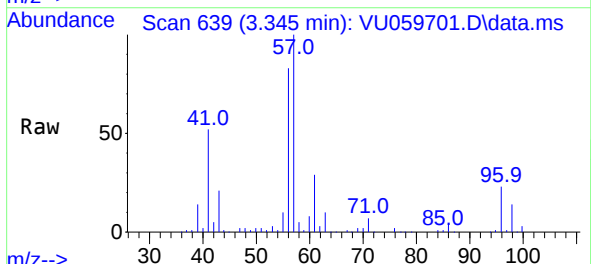


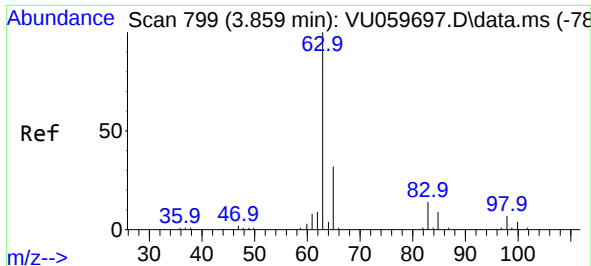
Tgt Ion: 43 Resp: 86989
Ion Ratio Lower Upper
43 100
74 10.6 19.2 28.8#



#18
trans-1,2-Dichloroethene
Concen: 3.370 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

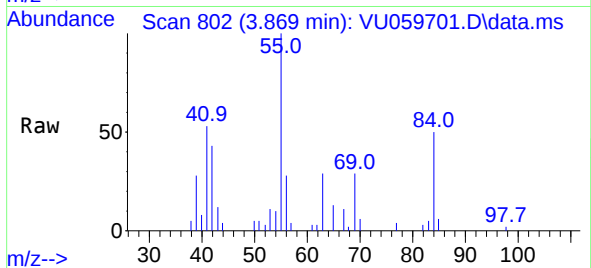
Tgt Ion: 96 Resp: 54067
Ion Ratio Lower Upper
96 100
61 128.0 101.8 189.0
98 62.6 43.3 80.5



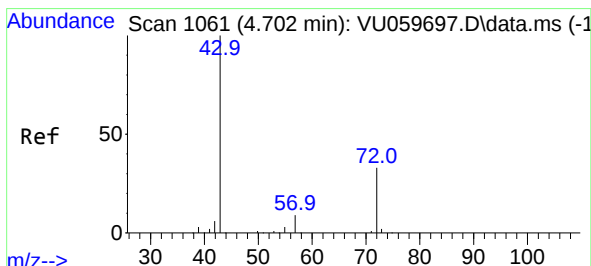
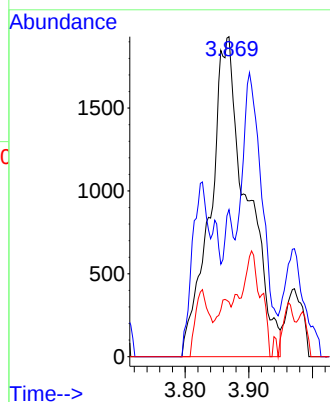
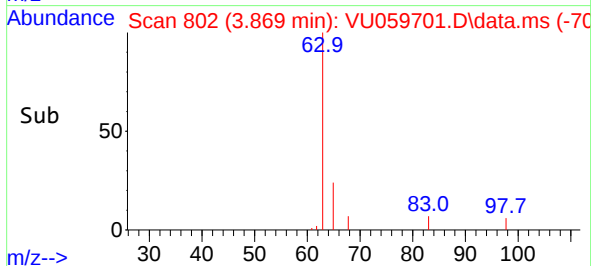


#19
1,1-Dichloroethane
Concen: 0.261 ug/L
RT: 3.869 min Scan# 80
Delta R.T. 0.010 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Instrument :
MSVOA_U
ClientSampleId :

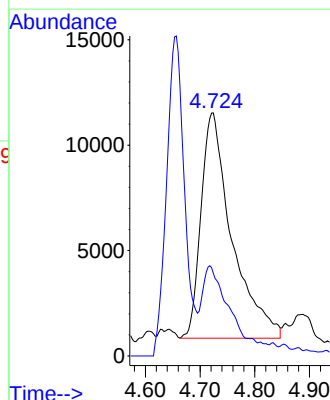
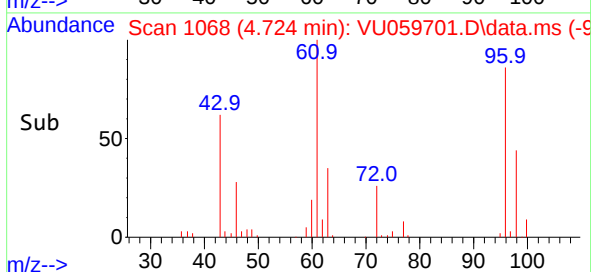
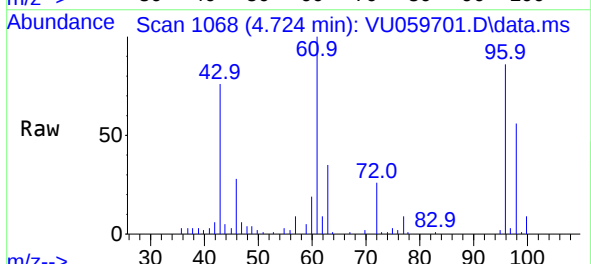


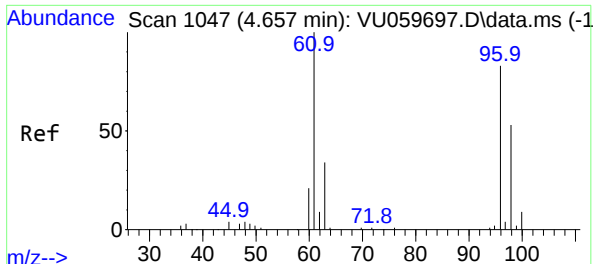
Tgt Ion: 63 Resp: 7720
Ion Ratio Lower Upper
63 100
65 45.9 21.8 40.6#
83 17.1 9.9 18.5



#21
2-Butanone
Concen: 12.899 ug/L
RT: 4.724 min Scan# 1068
Delta R.T. 0.026 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

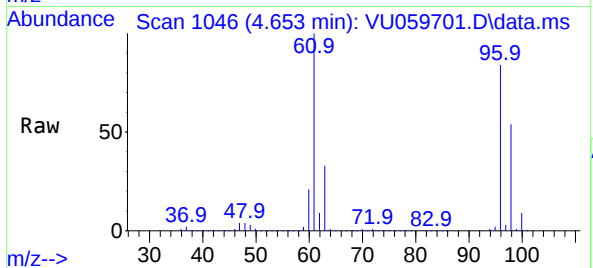
Tgt Ion: 43 Resp: 41810
Ion Ratio Lower Upper
43 100
72 30.7 13.8 41.4



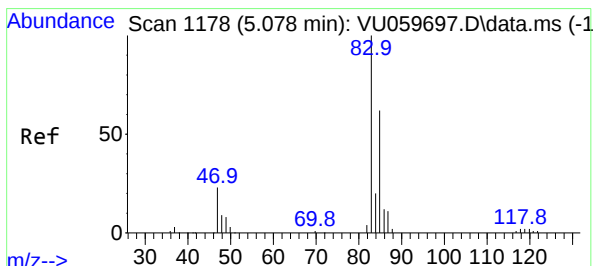
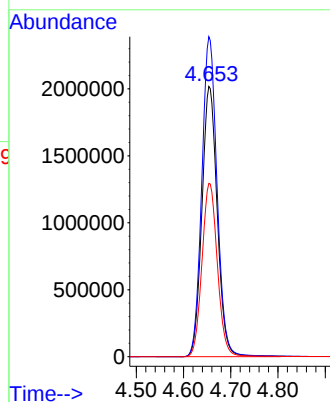
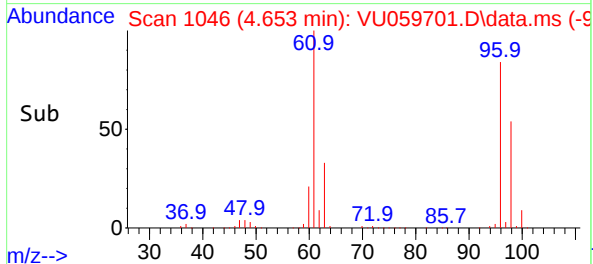


#22
cis-1,2-Dichloroethene
Concen: 256.692 ug/L
RT: 4.653 min Scan# 1190
Delta R.T. -0.006 min
Lab File: VU059701.D
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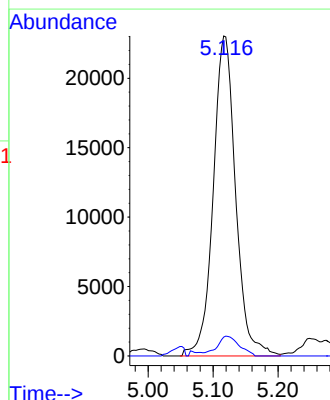
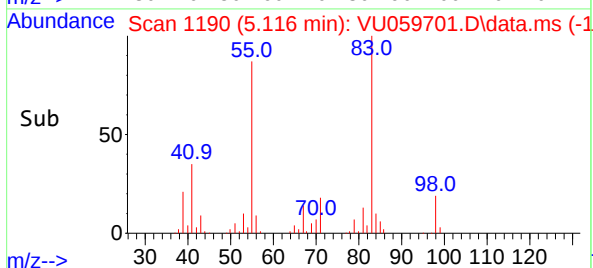
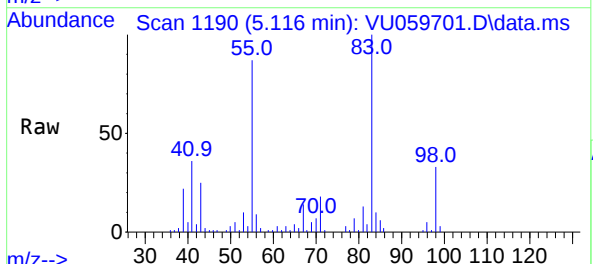


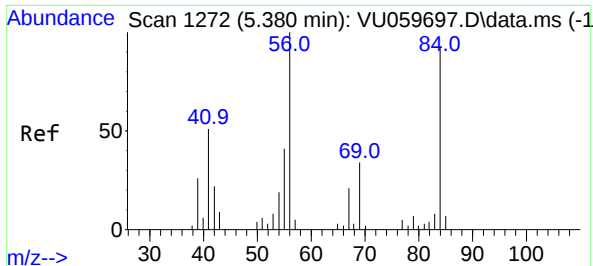
Tgt Ion: 96 Resp: 4538858
Ion Ratio Lower Upper
96 100
61 118.4 87.4 162.2
98 64.1 42.3 78.5



#25
Chloroform
Concen: 1.771 ug/L
RT: 5.116 min Scan# 1190
Delta R.T. 0.039 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

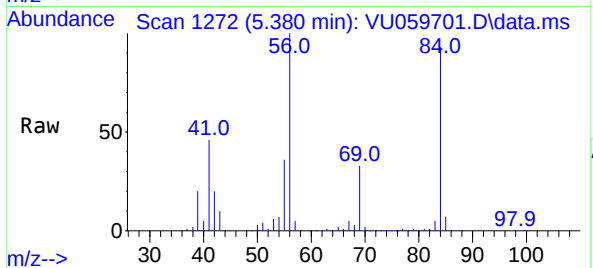
Tgt Ion: 83 Resp: 55195
Ion Ratio Lower Upper
83 100
85 5.9 44.7 83.1#





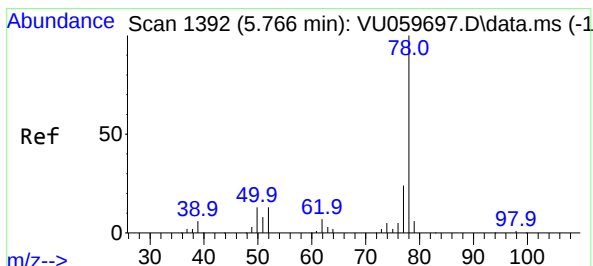
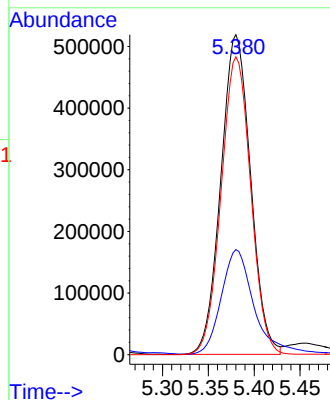
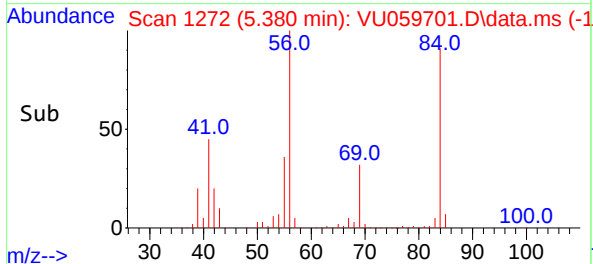
#30
Cyclohexane
Concen: 54.571 ug/L
RT: 5.380 min Scan# 1170596
Delta R.T. 0.000 min
Lab File: VU059701.D
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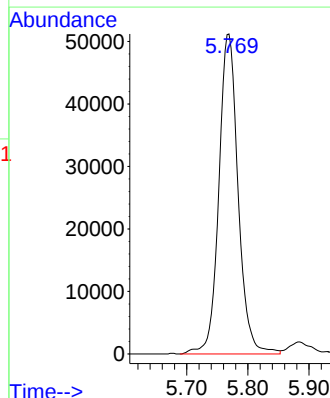
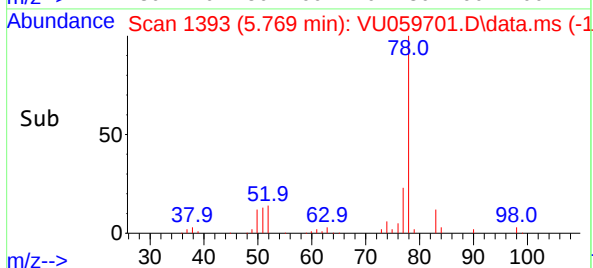
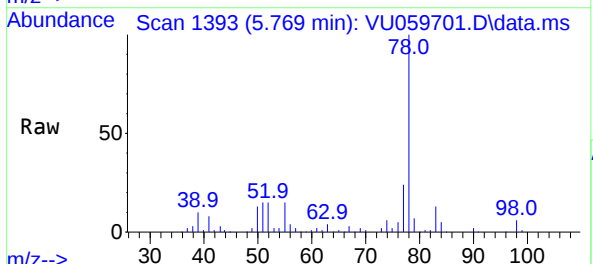
Tgt Ion: 56 Resp: 1170596

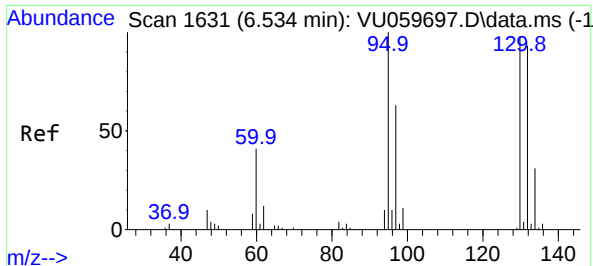
Ion	Ratio	Lower	Upper
56	100		
69	37.0	24.8	37.2
84	92.8	69.8	104.8



#33
Benzene
Concen: 1.757 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

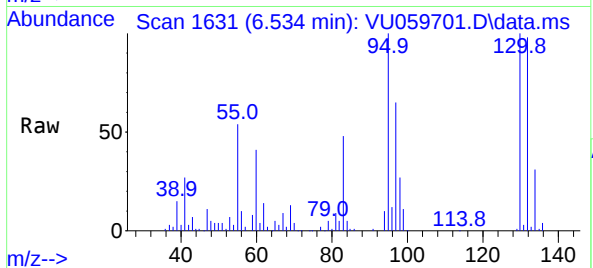
Tgt Ion: 78 Resp: 112286



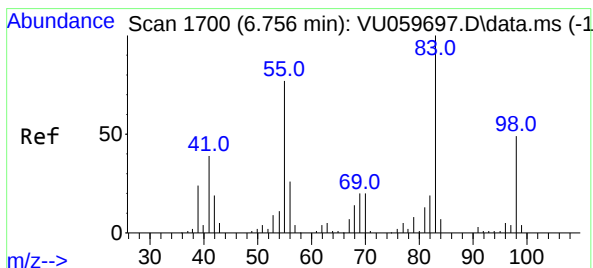
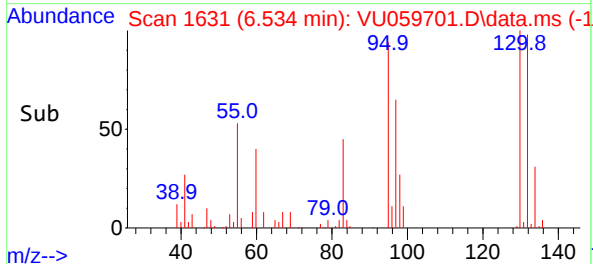
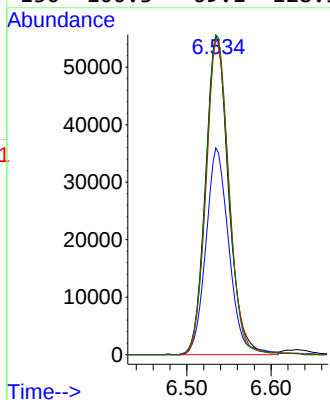


#34
Trichloroethene
Concen: 6.118 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Instrument :
MSVOA_U
ClientSampleId :

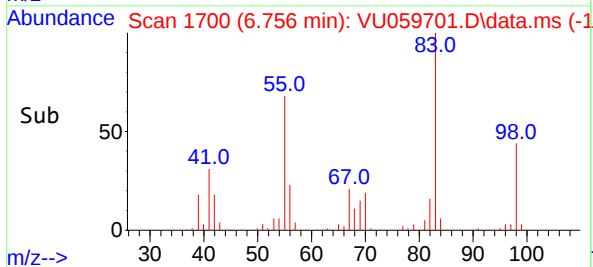
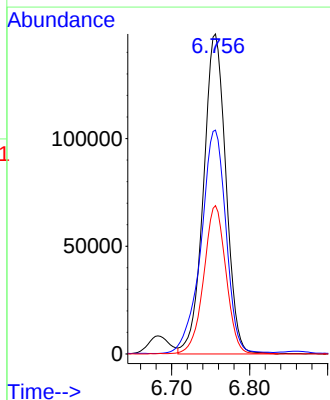
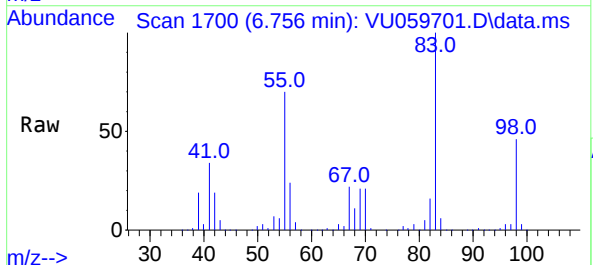


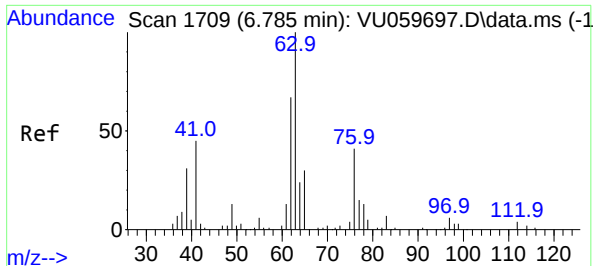
Tgt Ion: 95 Resp: 105869
Ion Ratio Lower Upper
95 100
97 64.8 45.3 84.1
132 98.7 64.0 119.0
130 100.3 69.1 128.3



#35
Methylcyclohexane
Concen: 12.078 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Tgt Ion: 83 Resp: 297379
Ion Ratio Lower Upper
83 100
55 77.9 62.7 94.1
98 45.7 35.4 53.0

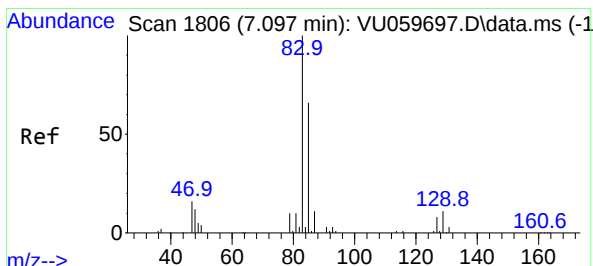
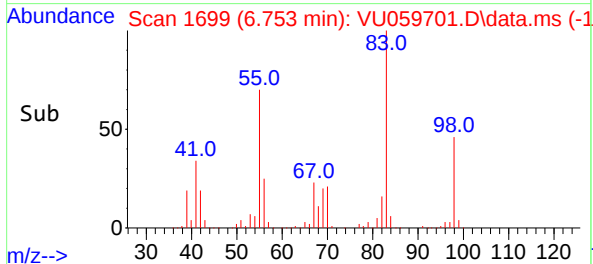
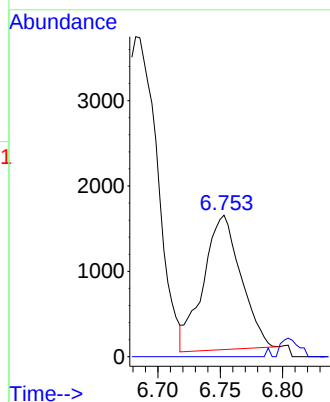
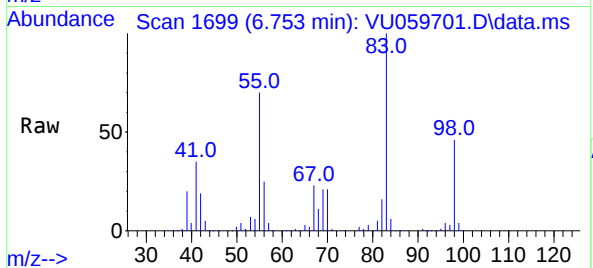




#37
1,2-Dichloropropane
Concen: 0.200 ug/L
RT: 6.753 min Scan# 1
Delta R.T. -0.032 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

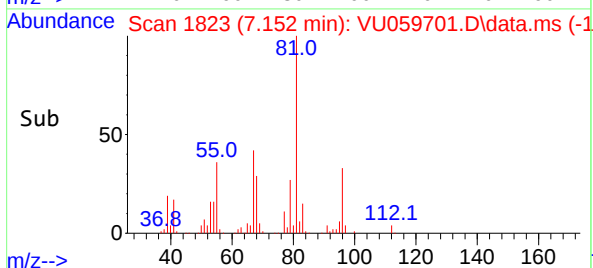
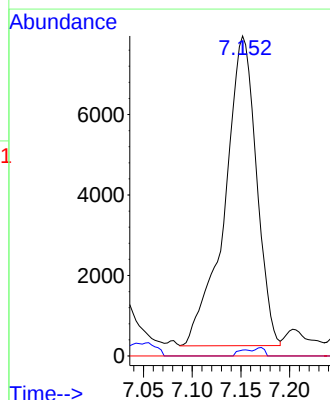
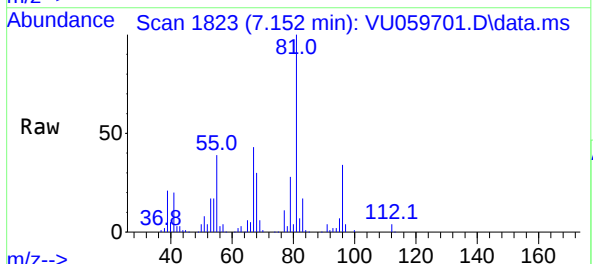
Instrument :
MSVOA_U
ClientSampleId :

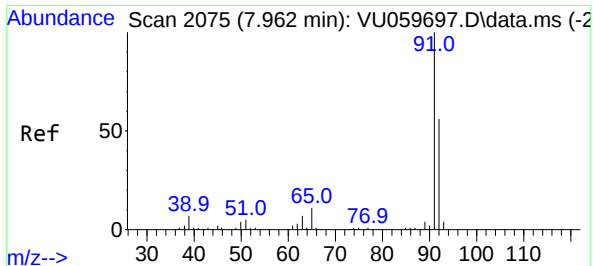
Tgt Ion: 63 Resp: 3304
Ion Ratio Lower Upper
63 100
112 6.4 2.6 3.8#



#38
Bromodichloromethane
Concen: 0.848 ug/L
RT: 7.152 min Scan# 1823
Delta R.T. 0.052 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Tgt Ion: 83 Resp: 17497
Ion Ratio Lower Upper
83 100
85 1.8 42.7 79.3#
127 0.0 6.1 9.1#

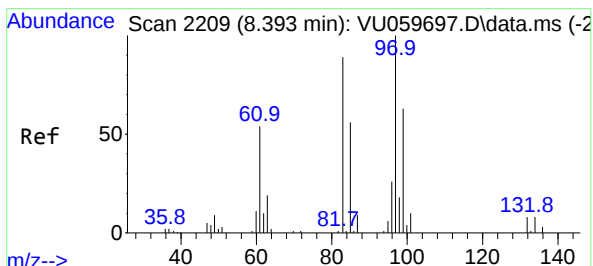
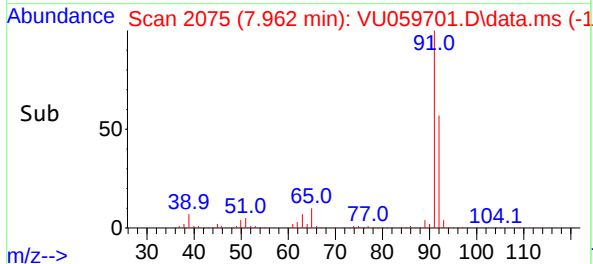
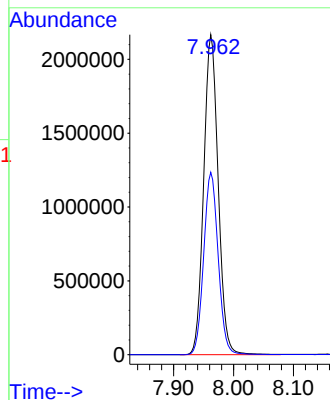
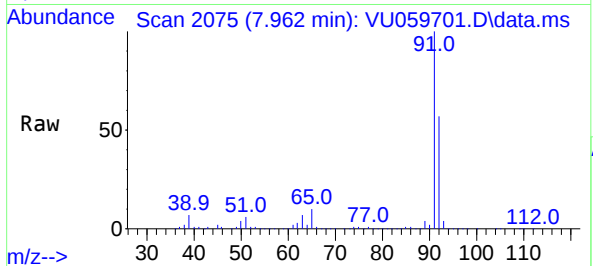




#42
Toluene
Concen: 53.833 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. 0.000 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

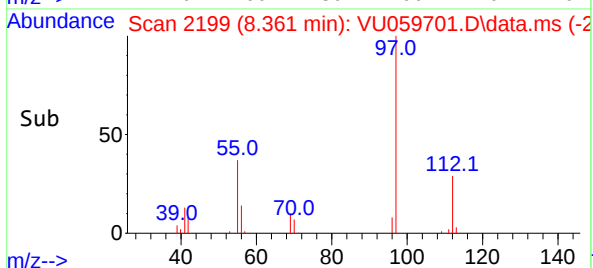
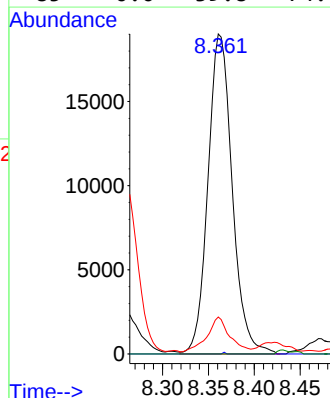
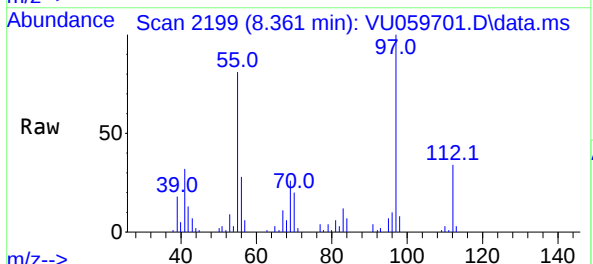
Instrument :
MSVOA_U
ClientSampleId :

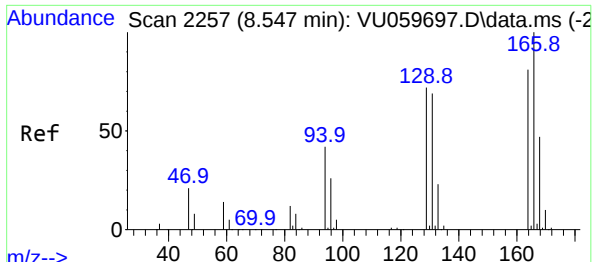
Tgt Ion: 91 Resp: 3641526
Ion Ratio Lower Upper
91 100
92 57.0 39.7 73.7



#45
1,1,2-Trichloroethane
Concen: 2.873 ug/L
RT: 8.361 min Scan# 2199
Delta R.T. -0.032 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

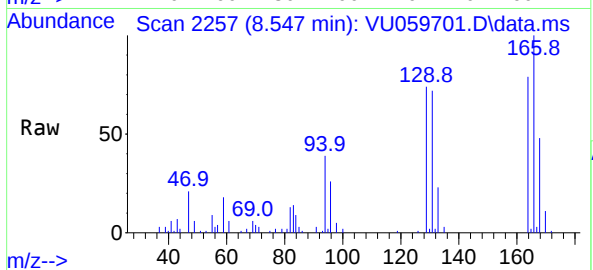
Tgt Ion: 97 Resp: 35004
Ion Ratio Lower Upper
97 100
99 0.0 43.3 80.3#
83 11.5 62.3 115.7#
85 0.0 39.8 74.0#





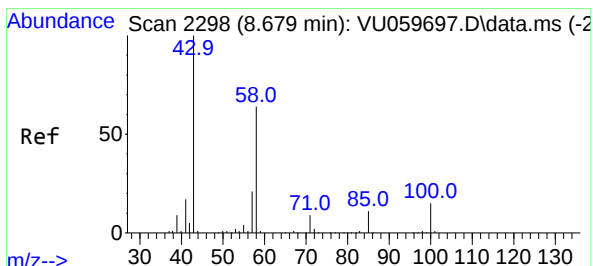
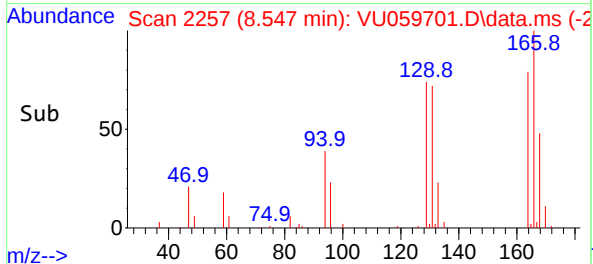
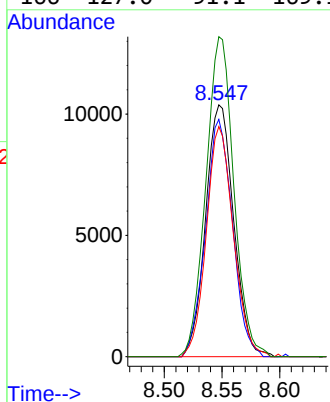
#47
Tetrachloroethene
Concen: 1.308 ug/L
RT: 8.547 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:164 Resp: 17561

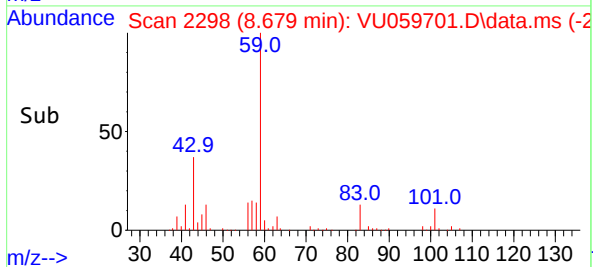
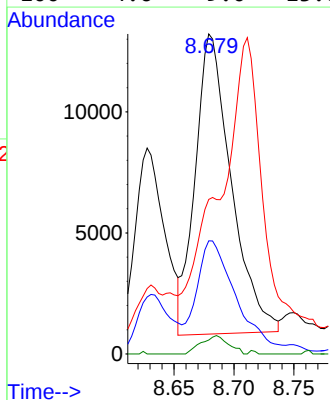
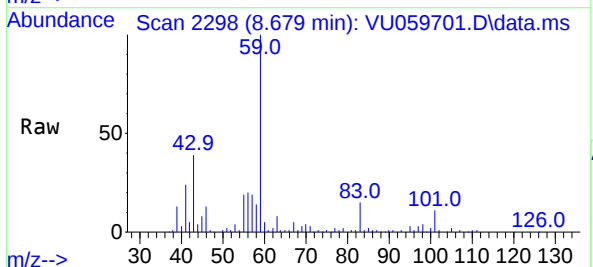
Ion	Ratio	Lower	Upper
164	100		
129	94.2	70.8	131.4
131	91.3	64.8	120.3
166	127.0	91.1	169.1

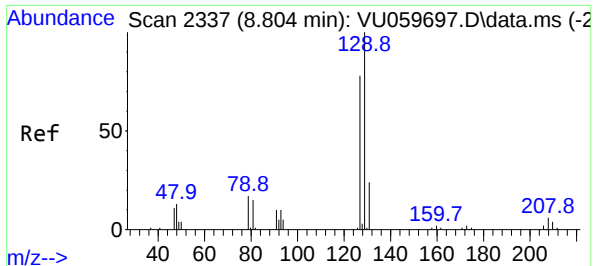


#48
2-Hexanone
Concen: 4.737 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. 0.003 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Tgt Ion: 43 Resp: 25900

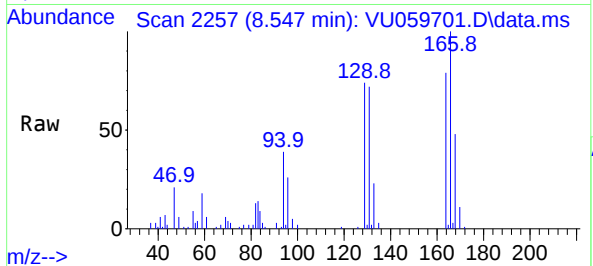
Ion	Ratio	Lower	Upper
43	100		
58	37.5	46.1	69.1#
57	0.0	15.5	23.3#
100	4.6	9.0	13.6#



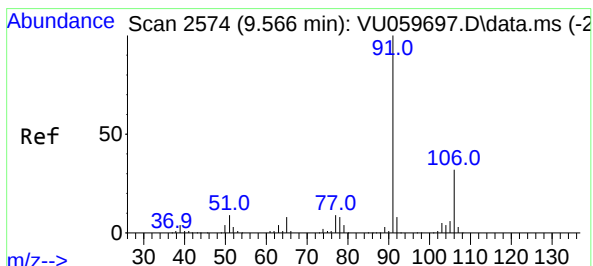
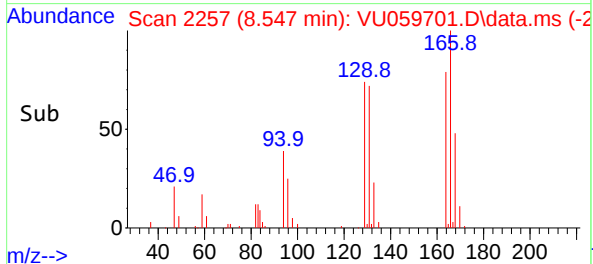
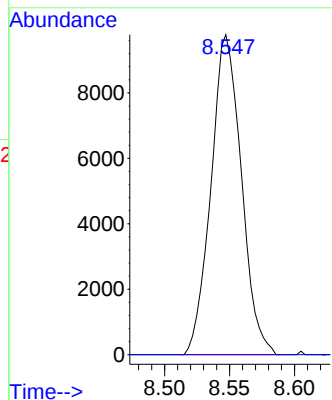


#49
Dibromochloromethane
Concen: 1.178 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.254 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Instrument :
MSVOA_U
ClientSampleId :

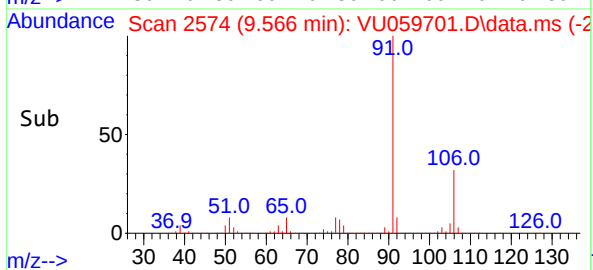
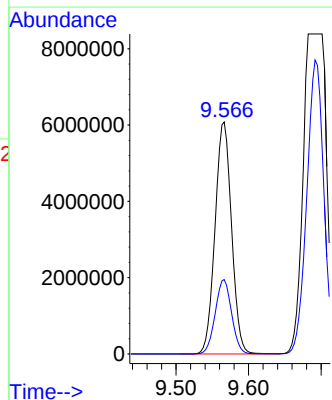
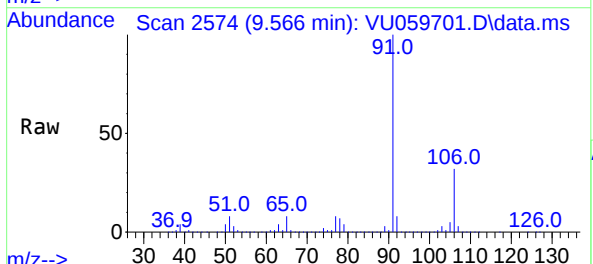


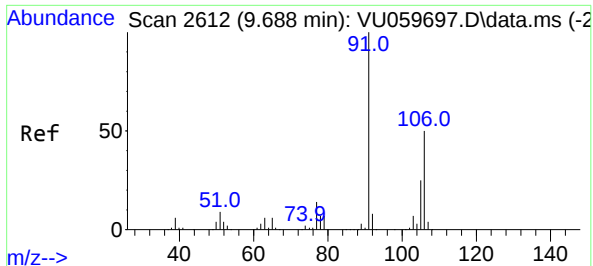
Tgt Ion:129 Resp: 15901
Ion Ratio Lower Upper
129 100
127 0.0 52.5 97.5#



#52
Ethylbenzene
Concen: 138.595 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Tgt Ion: 91 Resp: 9617234
Ion Ratio Lower Upper
91 100
106 32.1 20.9 38.7

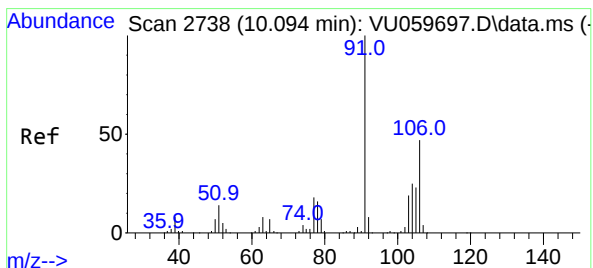
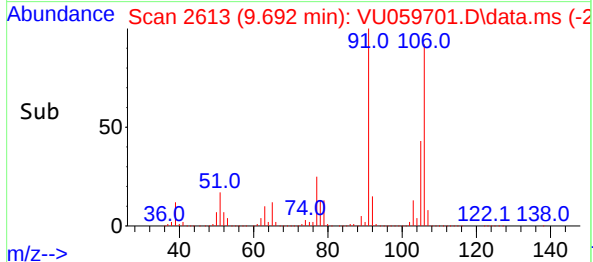
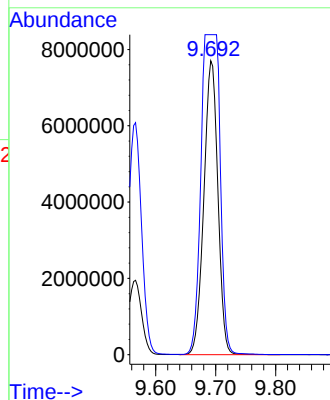
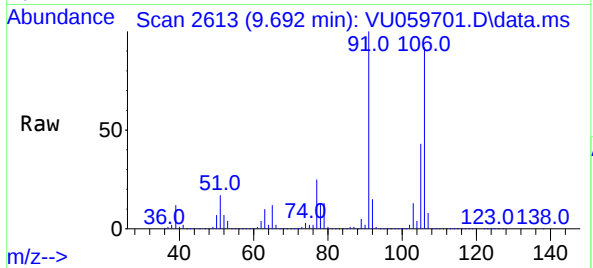




#53
m,p-Xylene
Concen: 470.317 ug/L
RT: 9.692 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

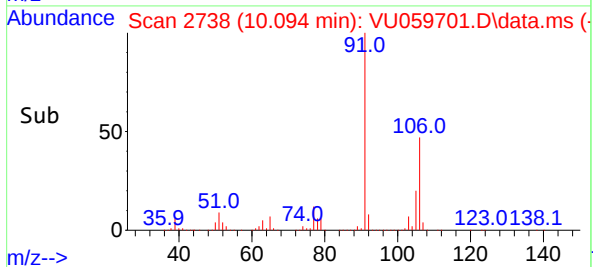
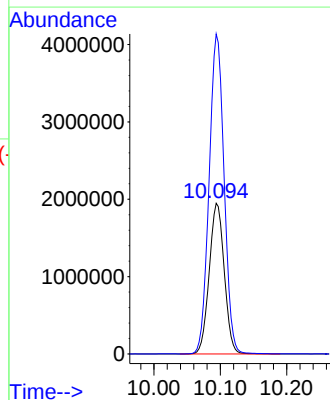
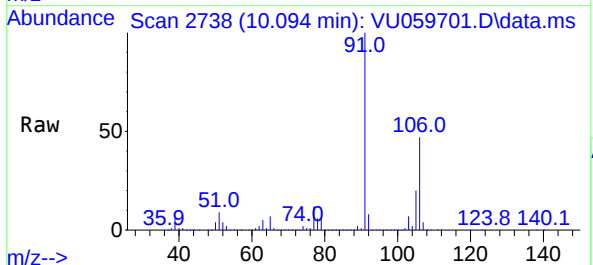
Instrument :
MSVOA_U
ClientSampleId :

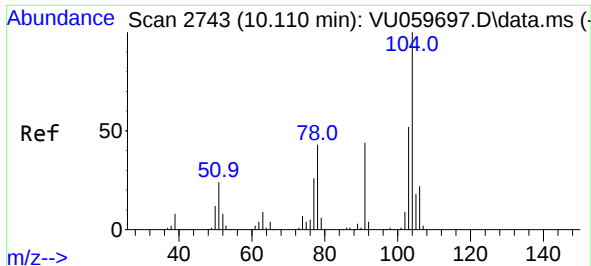
Tgt Ion:106 Resp:12534157
Ion Ratio Lower Upper
106 100
91 108.8 142.0 263.8#



#54
o-Xylene
Concen: 121.017 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Tgt Ion:106 Resp: 3060825
Ion Ratio Lower Upper
106 100
91 212.2 151.6 281.6

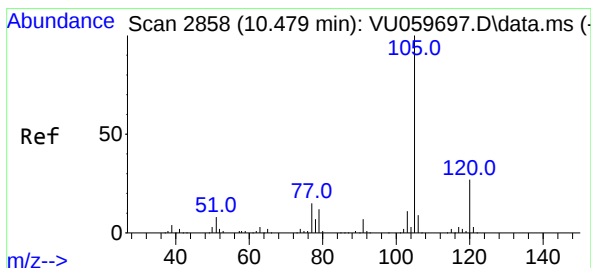
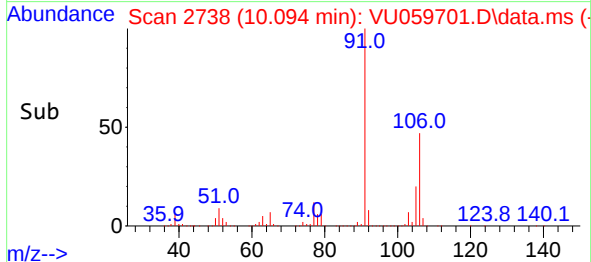
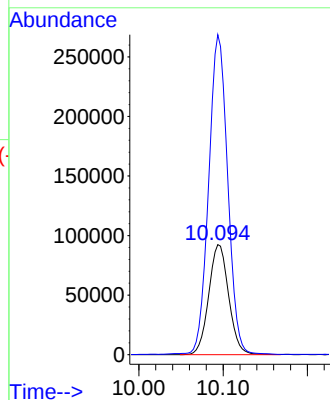
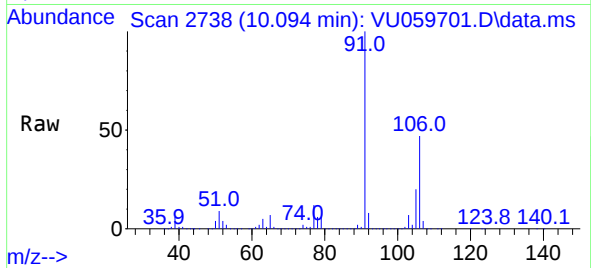




#55
Styrene
Concen: 3.530 ug/L
RT: 10.094 min Scan# 21
Delta R.T. -0.016 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

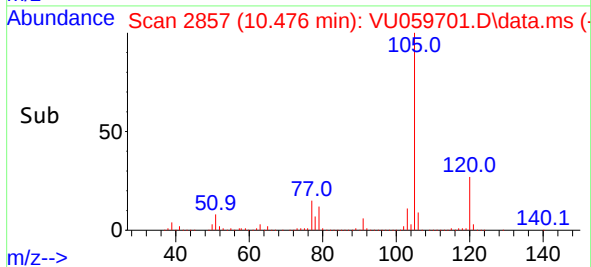
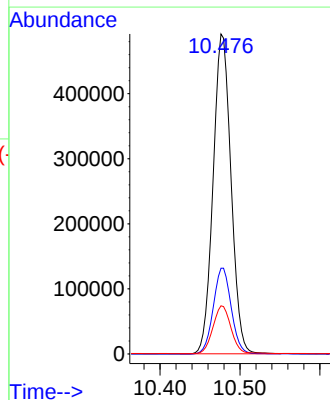
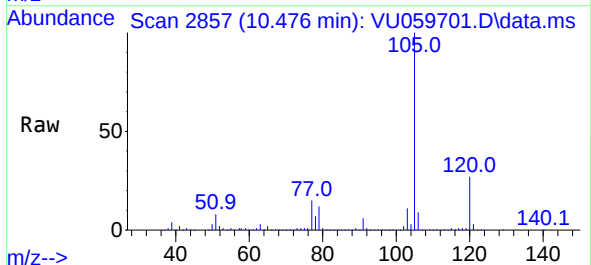
Instrument :
MSVOA_U
ClientSampleId :

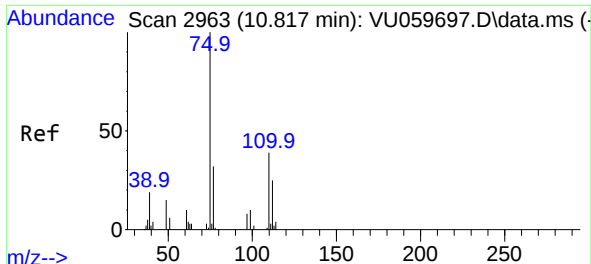
Tgt Ion:104 Resp: 152004
Ion Ratio Lower Upper
104 100
78 290.5 32.3 60.1#



#60
Isopropylbenzene
Concen: 10.395 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.003 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

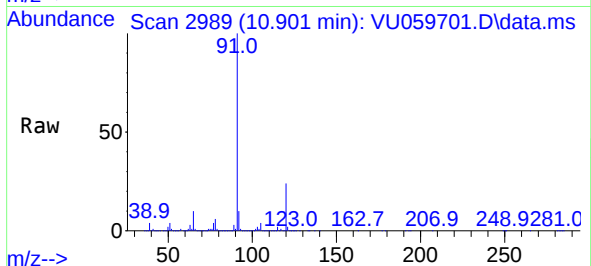
Tgt Ion:105 Resp: 763861
Ion Ratio Lower Upper
105 100
120 26.9 20.6 31.0
77 15.2 12.8 19.2



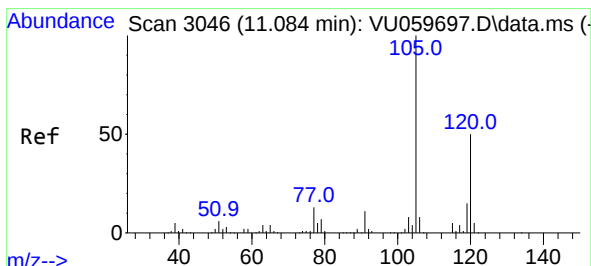
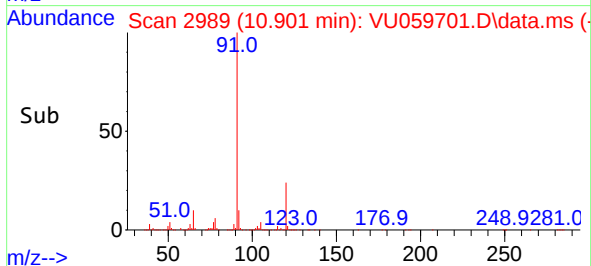
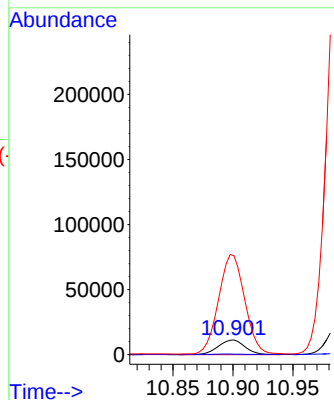


#61
1,2,3-Trichloropropane
Concen: 1.595 ug/L
RT: 10.901 min Scan# 2963
Delta R.T. 0.084 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Instrument :
MSVOA_U
ClientSampleId :

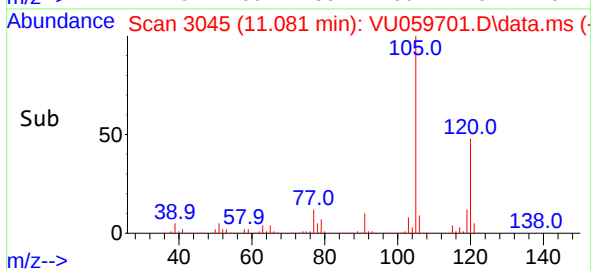
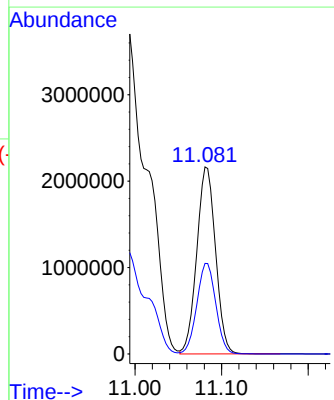
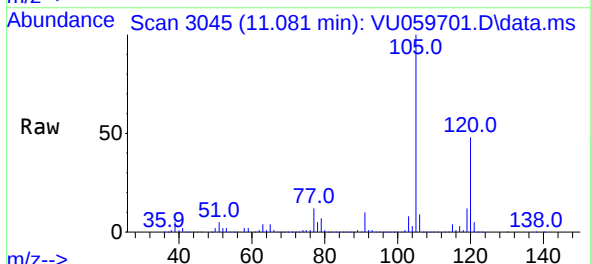


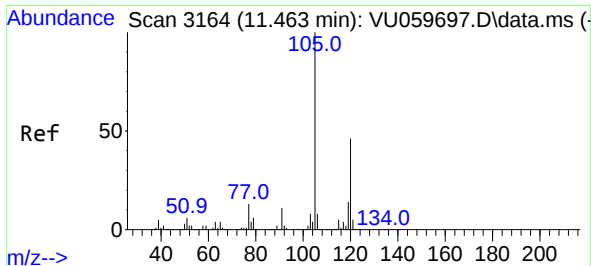
Tgt Ion: 75 Resp: 17539
Ion Ratio Lower Upper
75 100
110 6.3 27.1 40.7#
77 655.5 25.4 38.2#



#62
1,3,5-Trimethylbenzene
Concen: 55.877 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.003 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

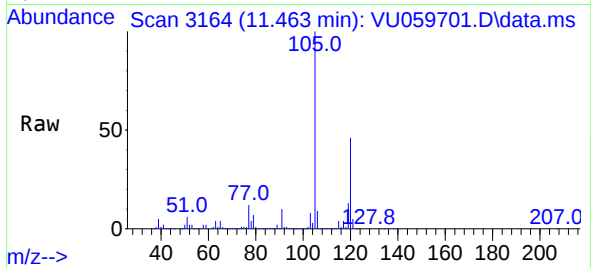
Tgt Ion: 105 Resp: 3253078
Ion Ratio Lower Upper
105 100
120 48.9 38.2 57.4



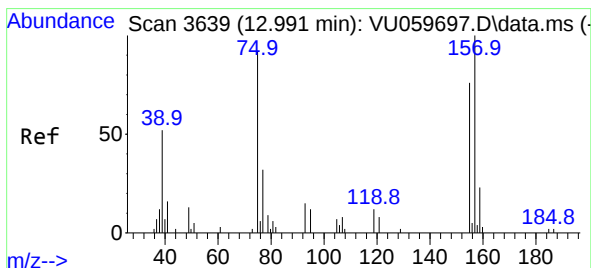
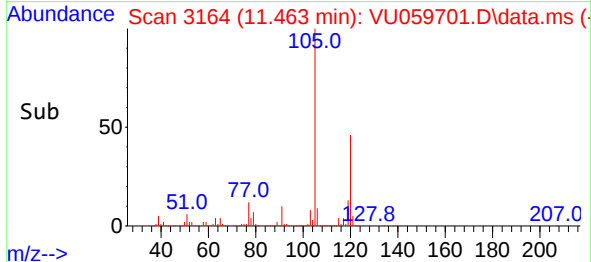
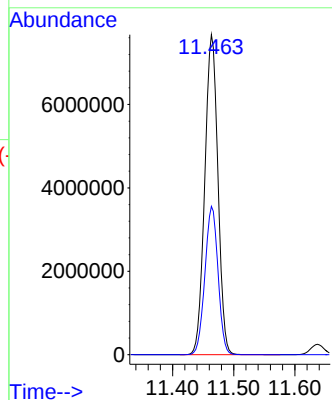


#63
1,2,4-Trimethylbenzene
Concen: 205.873 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Instrument :
MSVOA_U
ClientSampleId :

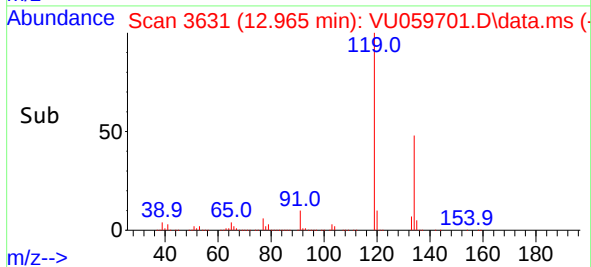
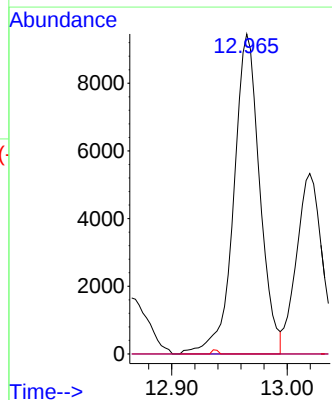
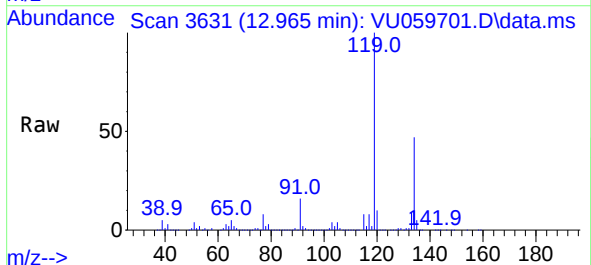


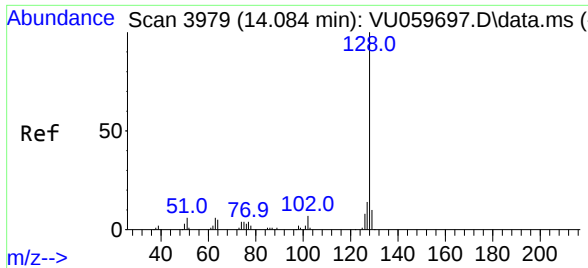
Tgt Ion:105 Resp:11458938
Ion Ratio Lower Upper
105 100
120 46.1 35.4 53.0



#68
1,2-Dibromo-3-chloropropane
Concen: 6.898 ug/L
RT: 12.965 min Scan# 3631
Delta R.T. -0.025 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

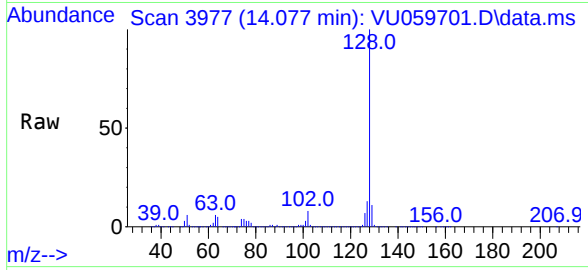
Tgt Ion: 75 Resp: 14792
Ion Ratio Lower Upper
75 100
155 0.0 58.2 87.2#
157 0.0 80.0 120.0#





#71
Naphthalene
Concen: 122.867 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.006 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 3732421
Ion Ratio Lower Upper
128 100
129 11.4 8.2 12.4
127 13.1 10.2 15.4

