

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U070124\
 Data File : U059700.D
 Acq On : 01 Jul 2024 21:41
 Operator : MD/SY
 Sample : P3121-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 02 03:54:55 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	154511	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	167581	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	111984	5.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	32704	3.044	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	60.800%	
7) Chloroethane-d5	1.907	69	35456	3.430	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	68.600%	
11) 1,1-Dichloroethene-d2	2.560	65	14765	3.312	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	66.200%	
20) 2-Butanone-d5	4.644	46	152055	68.707	ug/L	0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	137.420%#	
24) Chloroform-d	5.055	84	82777	3.754	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	75.000%	
26) 1,2-Dichloroethane-d4	5.695	65	42315	3.983	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	79.600%	
32) Benzene-d6	5.721	84	171375	3.716	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	74.400%	
36) 1,2-Dichloropropane-d6	6.682	67	52779	3.735	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	74.600%	
41) Toluene-d8	7.894	98	180702	4.215	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	84.200%	
43) trans-1,3-Dichloroprop...	8.158	79	38556	8.712	ug/L	-0.02
Spiked Amount	5.000	Range 55 - 130	Recovery	=	174.200%#	
46) 2-Hexanone-d5	8.627	63	110870	60.296	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	120.600%	
56) 1,1,2,2-Tetrachloroeth...	10.756	84	68398	5.858	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	117.200%	
66) 1,2-Dichlorobenzene-d4	12.193	152	90530	4.542	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	90.800%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	153415	9.856	ug/L	100
8) Chloroethane	1.923	64	13467	1.436	ug/L	# 51
12) 1,1-Dichloroethene	2.573	96	9823	0.896	ug/L	# 23
13) Acetone	2.640	43	72297	50.360	ug/L	90
14) Carbon disulfide	2.788	76	19854	0.543	ug/L	99
15) Methyl Acetate	2.952	43	68158	17.991	ug/L	# 83
16) Methylene chloride	3.036	84	1966	0.151	ug/L	# 10
18) trans-1,2-Dichloroethene	3.348	96	258766	22.705	ug/L	90
21) 2-Butanone	4.711	43	24593	10.680	ug/L	# 47
25) Chloroform	5.116	83	80091	3.618	ug/L	# 27
30) Cyclohexane	5.380	56	925197	54.152	ug/L	# 93
33) Benzene	5.772	78	9361	0.184	ug/L	100
34) Trichloroethene	6.537	95	32063	2.326	ug/L	92
35) Methylcyclohexane	6.756	83	662284	33.772	ug/L	96
38) Bromodichloromethane	7.152	83	63964	3.891	ug/L	# 28
40) 4-Methyl-2-pentanone	7.788	43	14904	2.442	ug/L	# 73
44) trans-1,3-Dichloropropene	7.968	75	145497	10.065	ug/L	# 1
45) 1,1,2-Trichloroethane	8.364	97	102080	10.519	ug/L	# 20
47) Tetrachloroethene	8.550	164	19229	1.798	ug/L	94

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

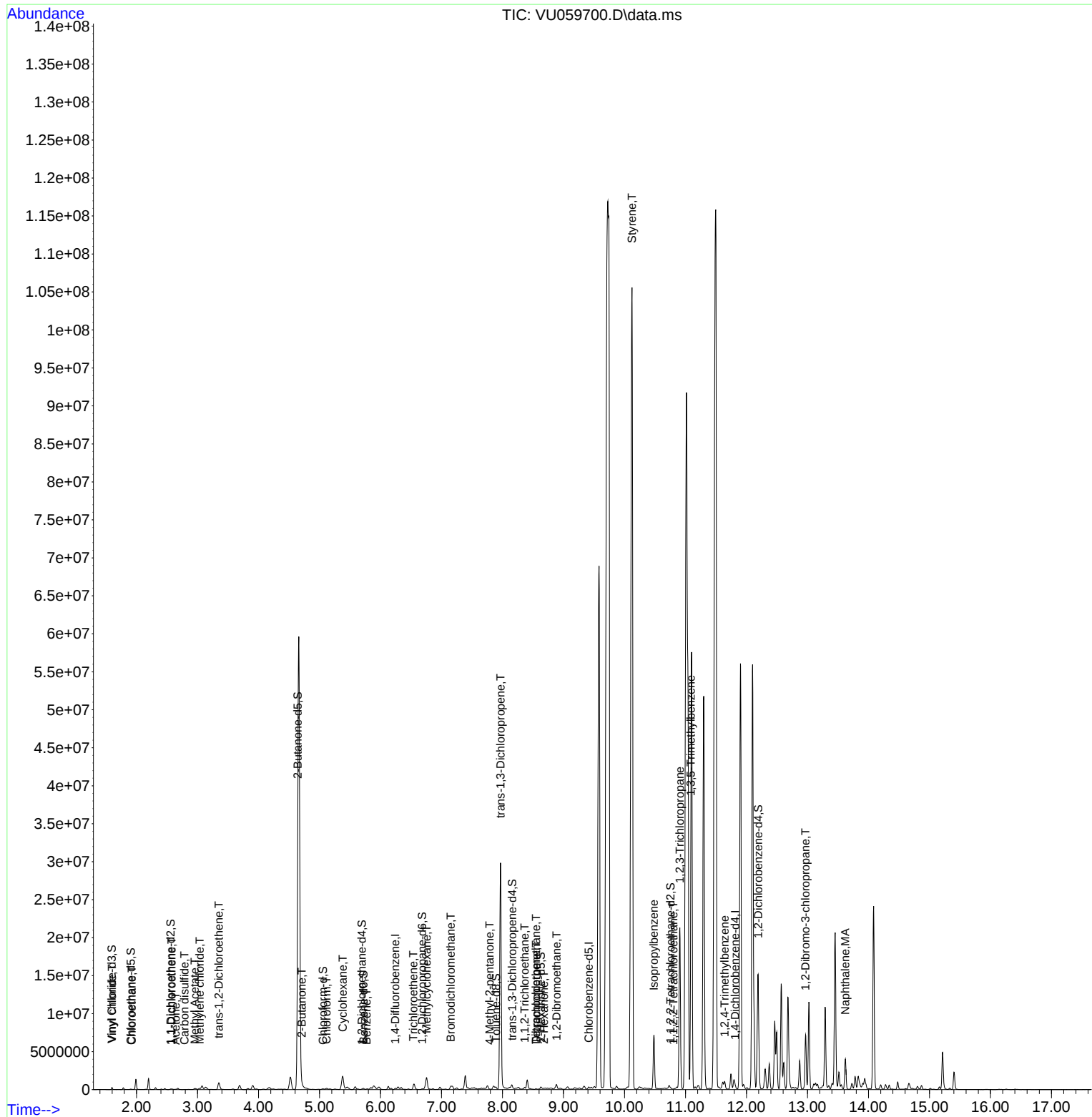
48) 2-Hexanone	8.679	43	24707	5.673	ug/L #	77
49) Dibromochloromethane	8.550	129	18298	1.702	ug/L #	12
50) 1,2-Dibromoethane	8.888	107	1504	0.168	ug/L #	1
55) Styrene	10.123	104	2490970	72.636	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.801	83	1725	0.147	ug/L #	55
60) Isopropylbenzene	10.483	105	4634354	66.994	ug/L	98
61) 1,2,3-Trichloropropane	10.907	75	97800	9.451	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.087	105	1790270	32.667	ug/L #	1
63) 1,2,4-Trimethylbenzene	11.643	105	569803	10.875	ug/L #	32
68) 1,2-Dibromo-3-chloropr...	12.968	75	26431	13.094	ug/L #	6
71) Naphthalene	13.621	128	352012	12.310	ug/L #	1

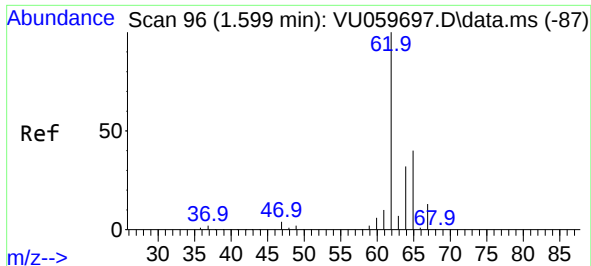
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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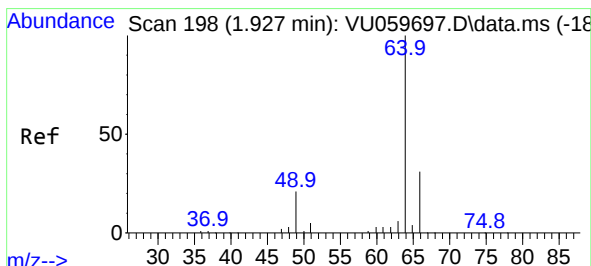
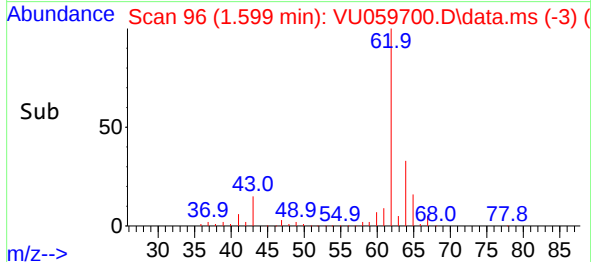
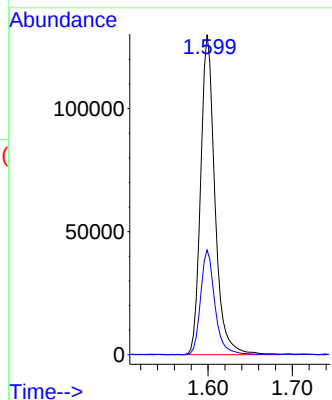
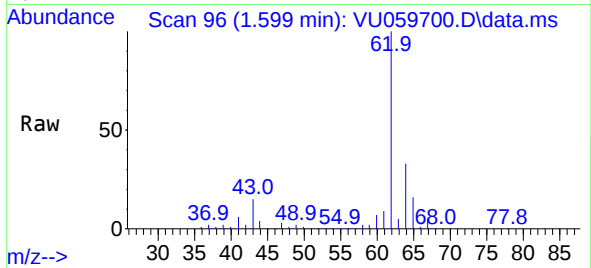




#5
 Vinyl chloride
 Concen: 9.856 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU059700.D
 Acq: 01 Jul 2024 21:41

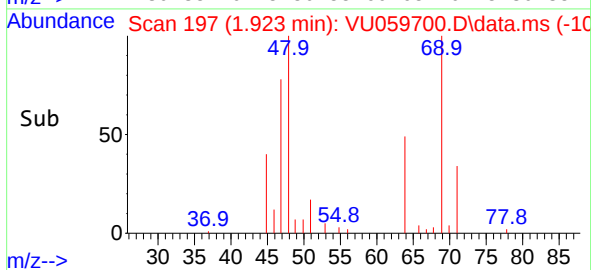
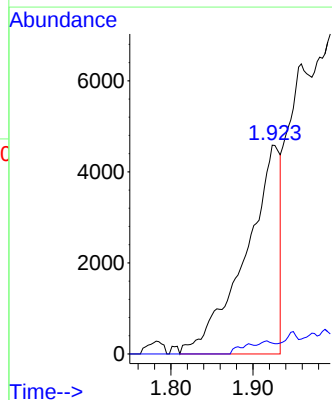
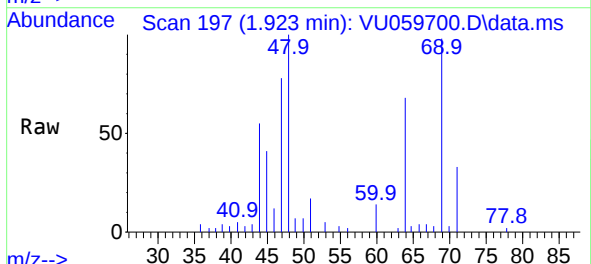
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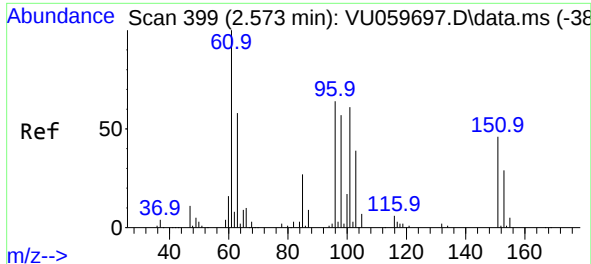
Tgt Ion: 62 Resp: 153415
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.1 42.9



#8
 Chloroethane
 Concen: 1.436 ug/L
 RT: 1.923 min Scan# 197
 Delta R.T. -0.006 min
 Lab File: VU059700.D
 Acq: 01 Jul 2024 21:41

Tgt Ion: 64 Resp: 13467
 Ion Ratio Lower Upper
 64 100
 66 5.2 23.2 43.2#

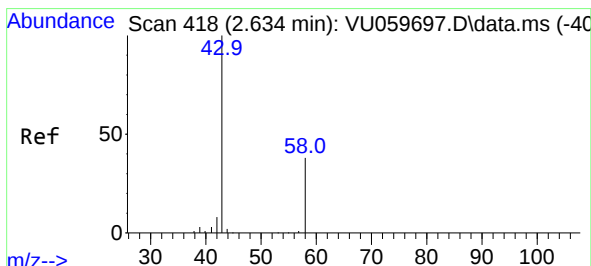
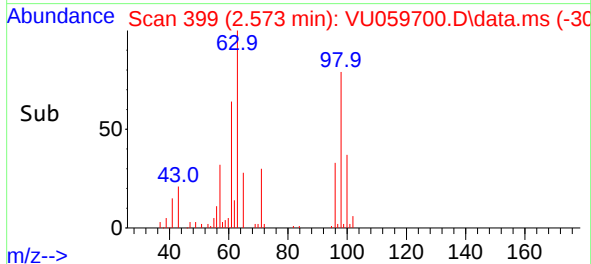
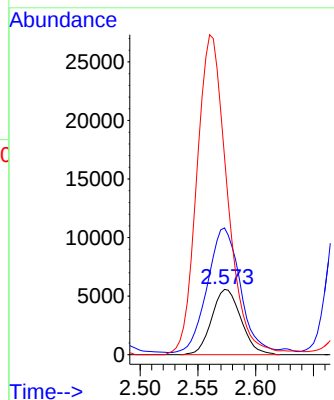
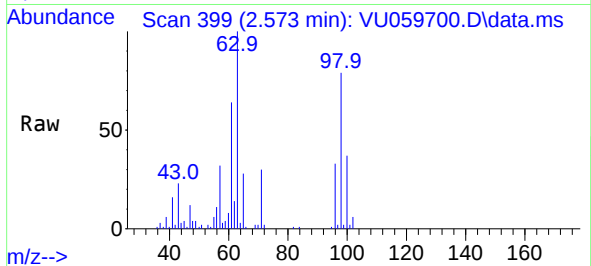




#12
1,1-Dichloroethene
Concen: 0.896 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

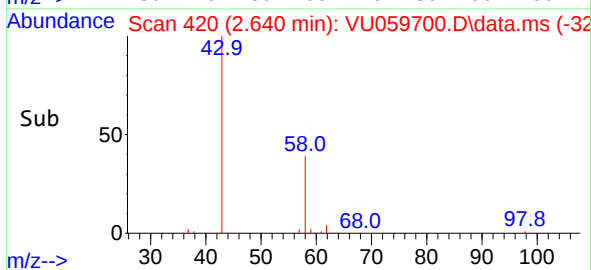
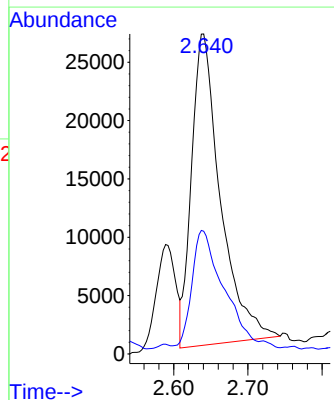
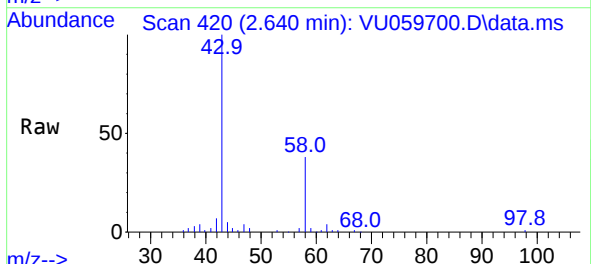
Instrument :
MSVOA_U
ClientSampleId :

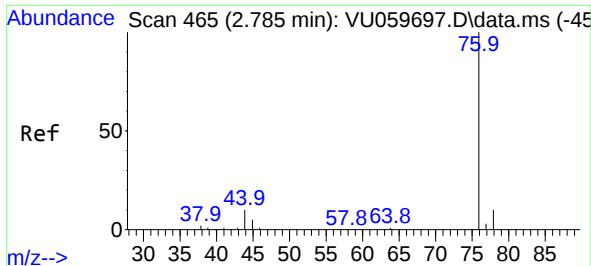
Tgt Ion: 96 Resp: 9823
Ion Ratio Lower Upper
96 100
61 194.1 122.9 228.3
63 302.9 80.4 149.4#



#13
Acetone
Concen: 50.360 ug/L
RT: 2.640 min Scan# 420
Delta R.T. 0.007 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

Tgt Ion: 43 Resp: 72297
Ion Ratio Lower Upper
43 100
58 39.7 0.0 68.0

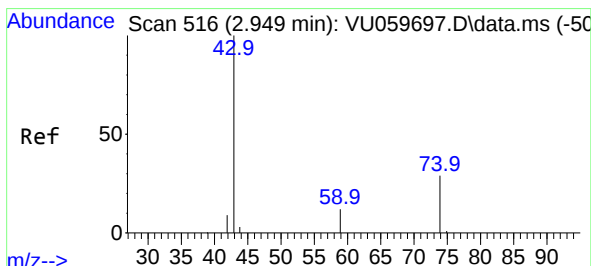
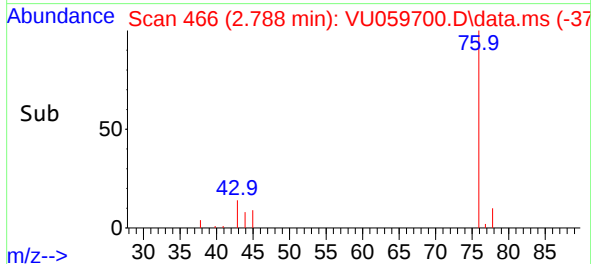
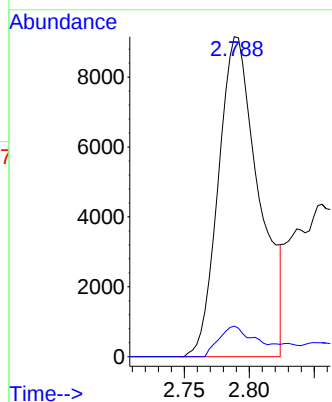
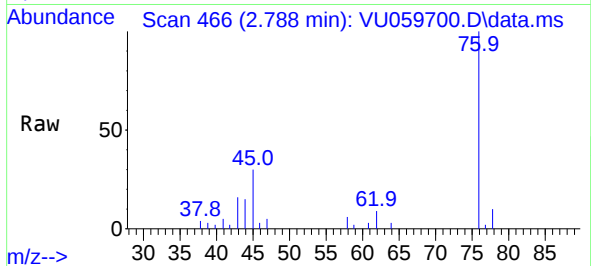




#14
Carbon disulfide
Concen: 0.543 ug/L
RT: 2.788 min Scan# 466
Delta R.T. 0.003 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

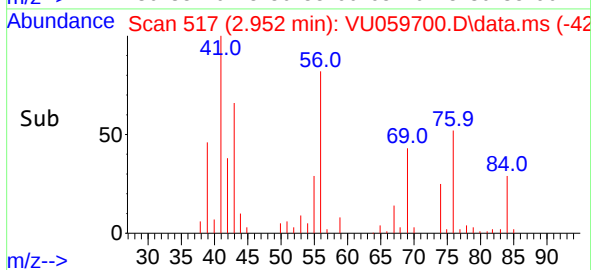
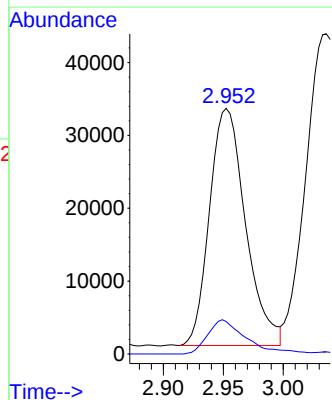
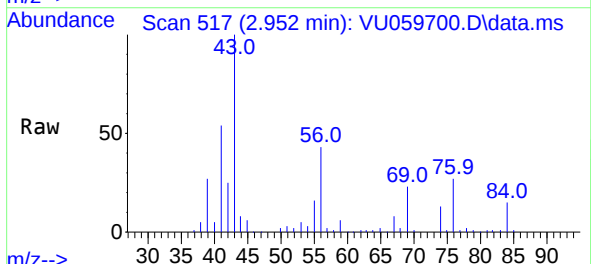
Instrument :
MSVOA_U
ClientSampleId :

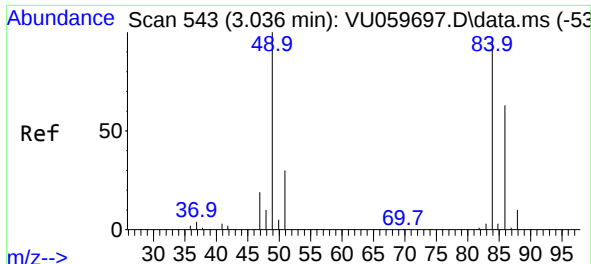
Tgt Ion: 76 Resp: 19854
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9



#15
Methyl Acetate
Concen: 17.991 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.003 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

Tgt Ion: 43 Resp: 68158
Ion Ratio Lower Upper
43 100
74 15.4 19.2 28.8#

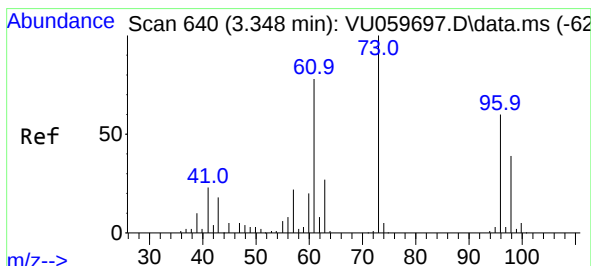
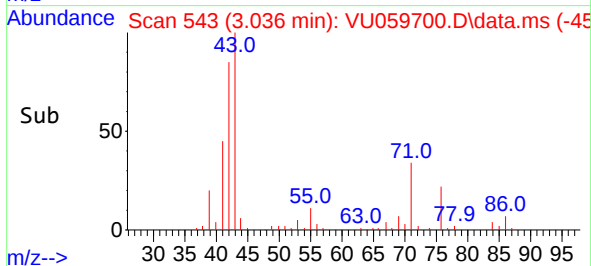
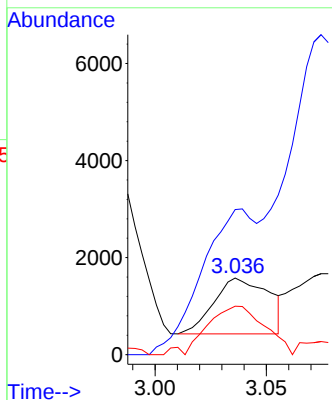
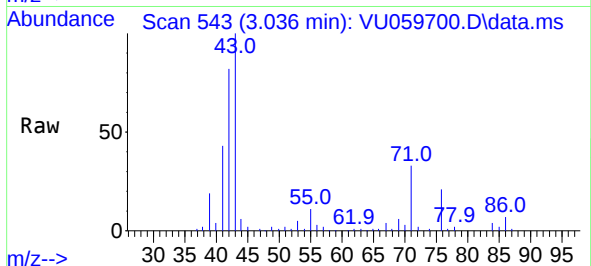




#16
Methylene chloride
Concen: 0.151 ug/L
RT: 3.036 min Scan# 54
Delta R.T. -0.003 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

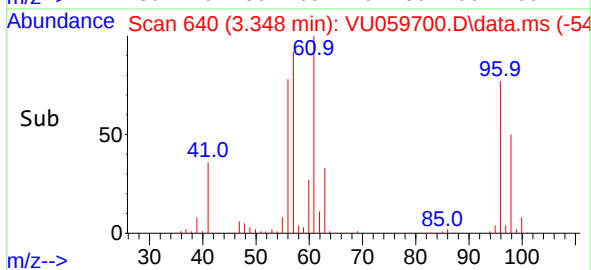
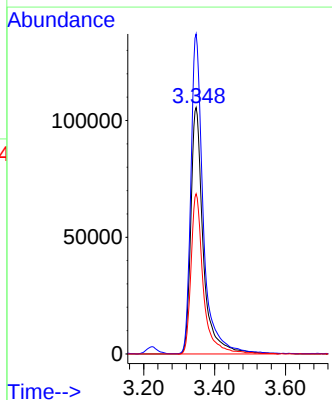
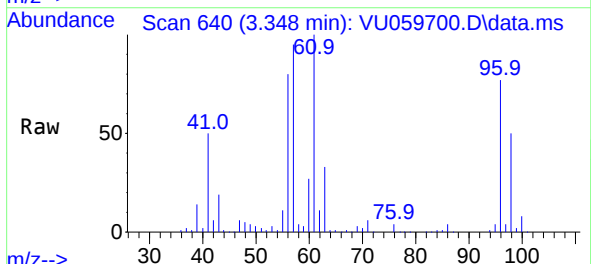
Instrument :
MSVOA_U
ClientSampleId :

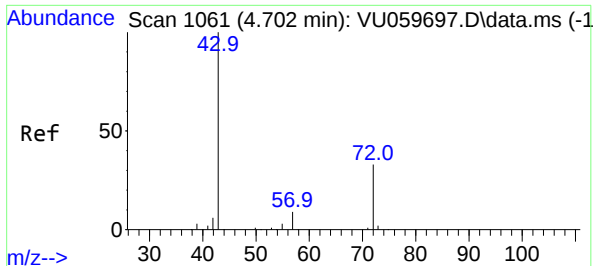
Tgt Ion: 84 Resp: 1966
Ion Ratio Lower Upper
84 100
86 189.1 42.1 78.1#
49 63.3 80.6 149.8#



#18
trans-1,2-Dichloroethene
Concen: 22.705 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

Tgt Ion: 96 Resp: 258766
Ion Ratio Lower Upper
96 100
61 129.9 101.8 189.0
98 65.0 43.3 80.5

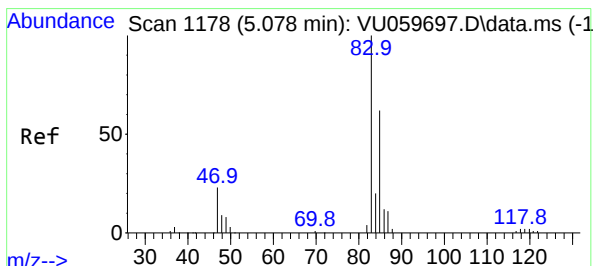
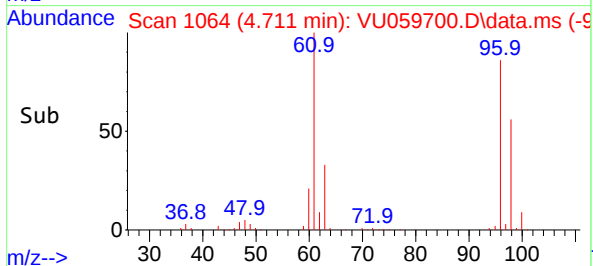
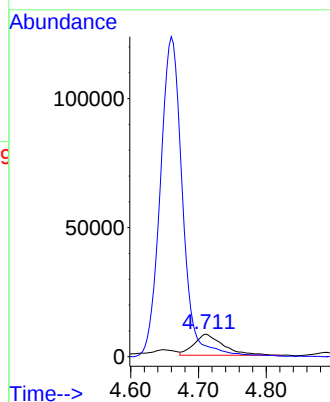
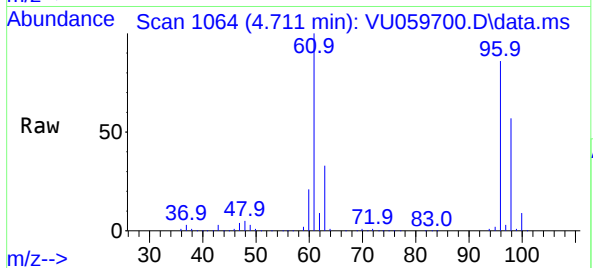




#21
2-Butanone
Concen: 10.680 ug/L
RT: 4.711 min Scan# 1190
Delta R.T. 0.013 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

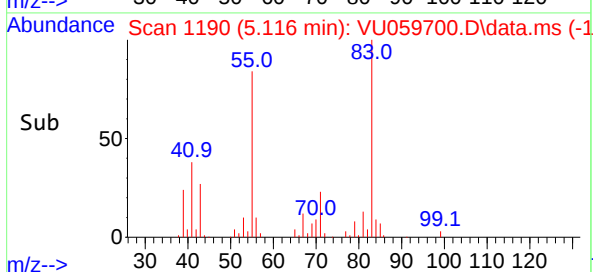
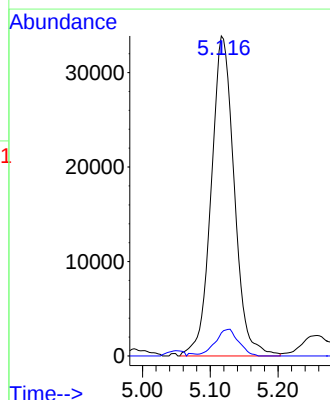
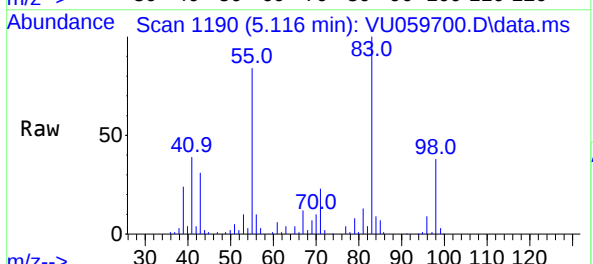
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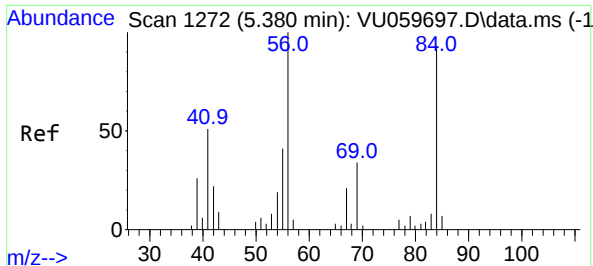
Tgt Ion: 43 Resp: 24593
Ion Ratio Lower Upper
43 100
72 0.0 13.8 41.4#



#25
Chloroform
Concen: 3.618 ug/L
RT: 5.116 min Scan# 1190
Delta R.T. 0.039 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

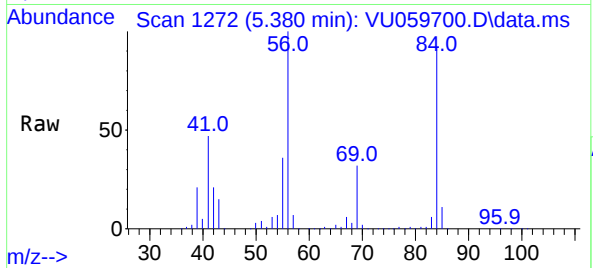
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Ion Ratio Lower Upper
83 100
85 7.2 44.7 83.1#



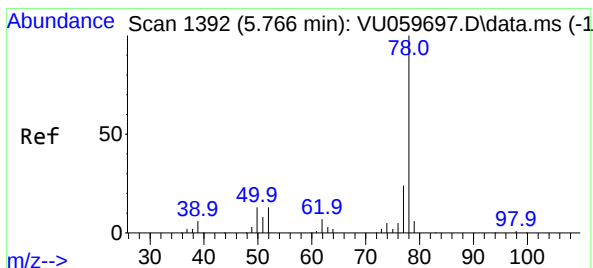
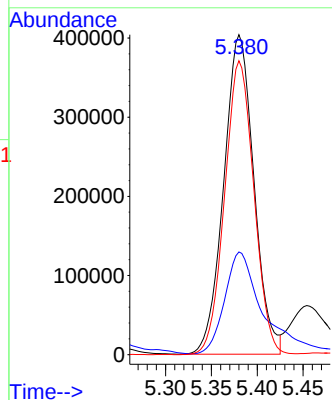
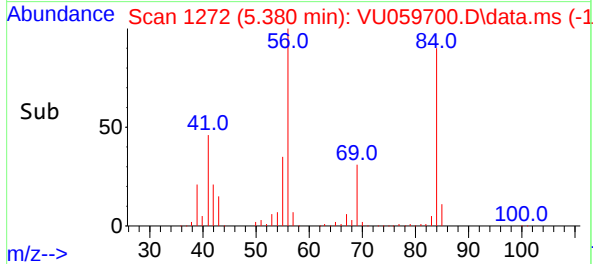


#30
Cyclohexane
Concen: 54.152 ug/L
RT: 5.380 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU059700.D
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Instrument :
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ClientSampleId :

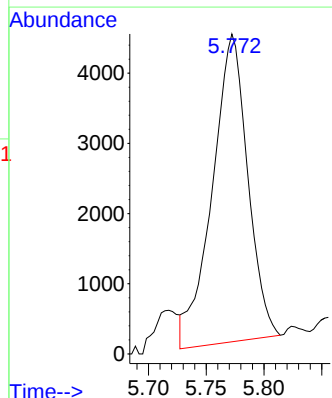
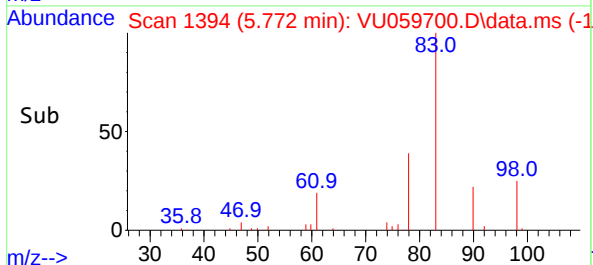
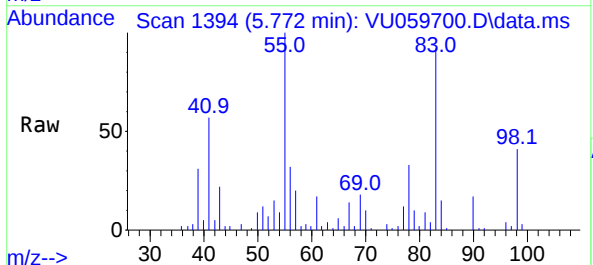


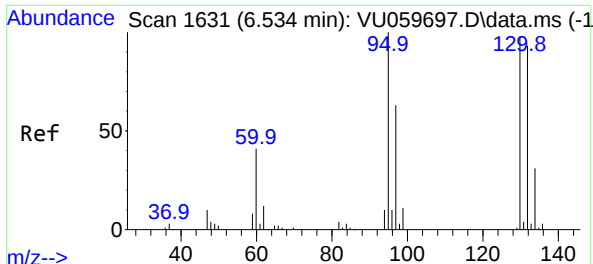
Tgt Ion: 56 Resp: 925197
Ion Ratio Lower Upper
56 100
69 42.2 24.8 37.2#
84 89.2 69.8 104.8



#33
Benzene
Concen: 0.184 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.007 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

Tgt Ion: 78 Resp: 9361

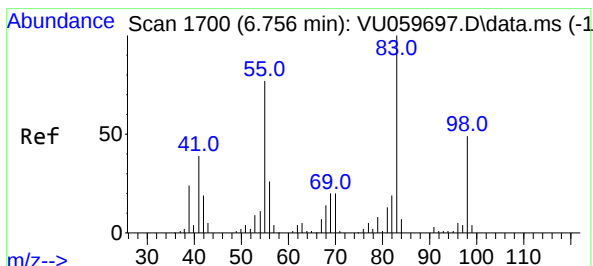
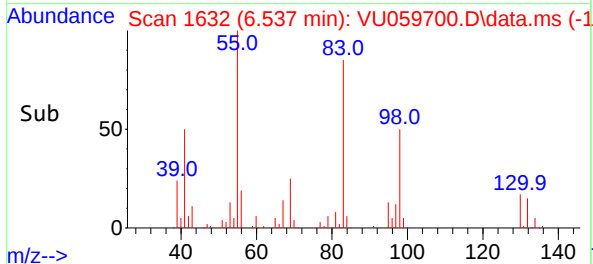
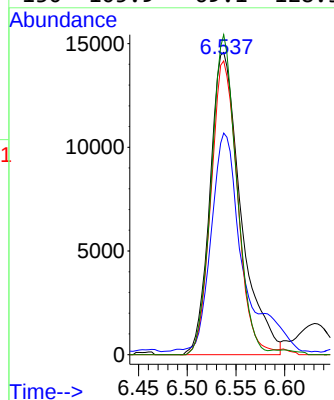
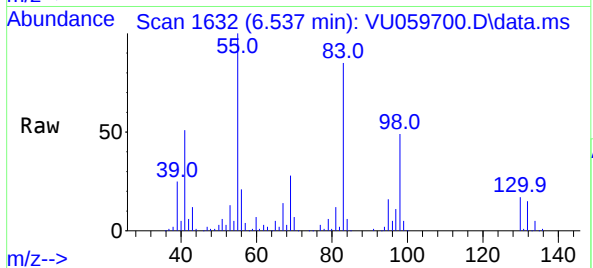




#34
Trichloroethene
Concen: 2.326 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

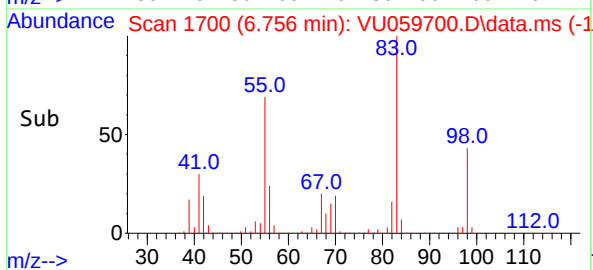
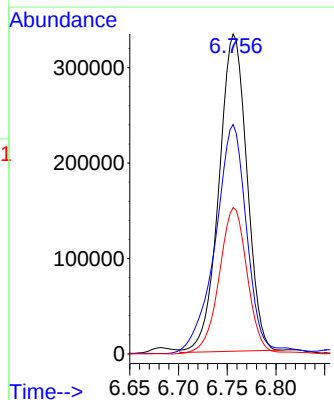
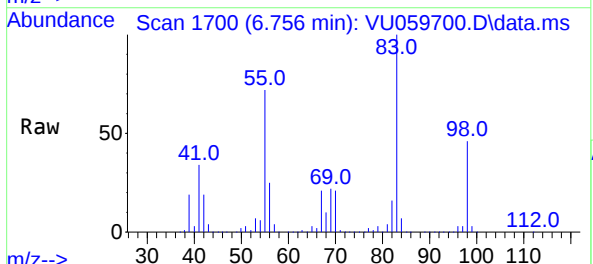
Instrument :
MSVOA_U
ClientSampleId :

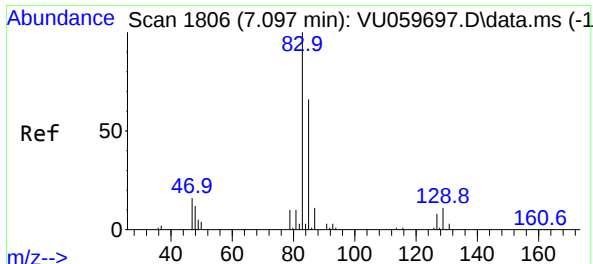
Tgt Ion: 95 Resp: 32063
Ion Ratio Lower Upper
95 100
97 73.3 45.3 84.1
132 97.2 64.0 119.0
130 105.9 69.1 128.3



#35
Methylcyclohexane
Concen: 33.772 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

Tgt Ion: 83 Resp: 662284
Ion Ratio Lower Upper
83 100
55 82.0 62.7 94.1
98 47.2 35.4 53.0

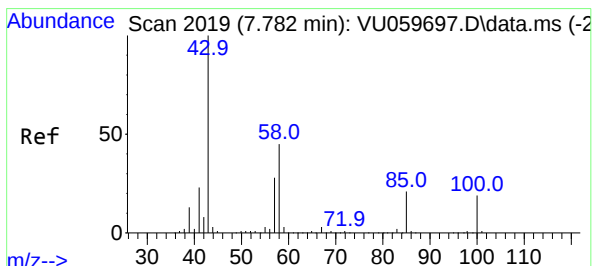
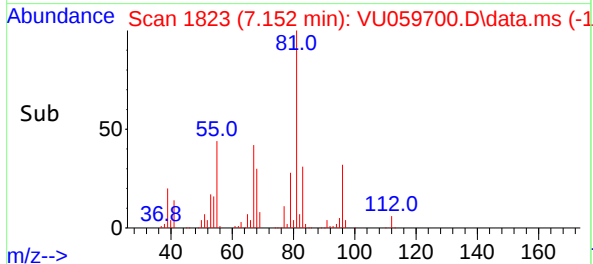
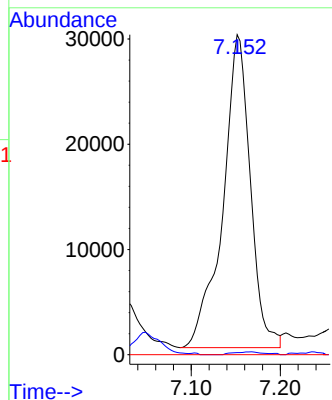
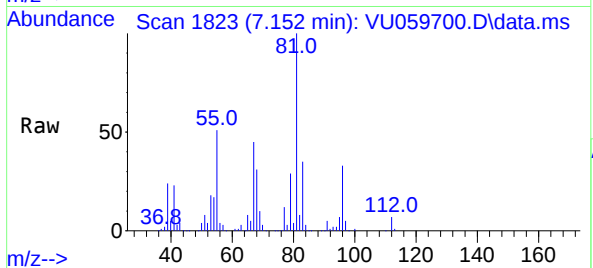




#38
Bromodichloromethane
Concen: 3.891 ug/L
RT: 7.152 min Scan# 11
Delta R.T. 0.052 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

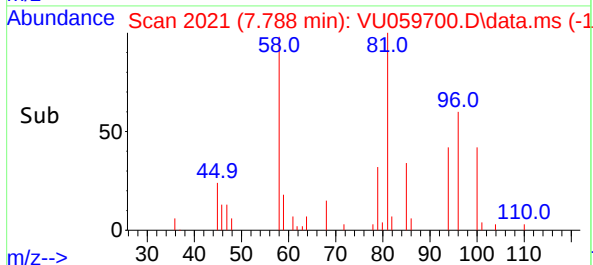
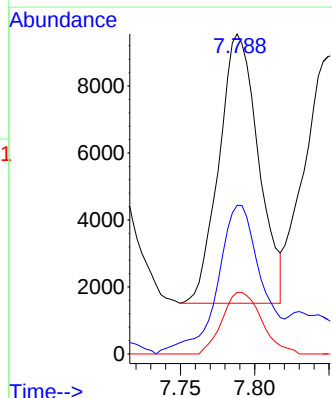
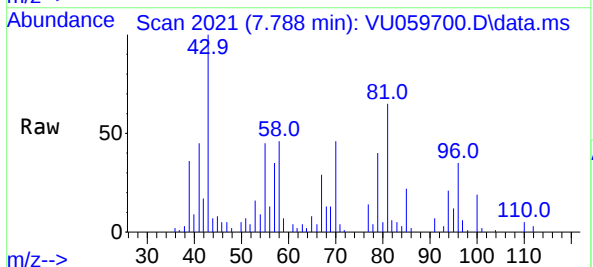
Instrument :
MSVOA_U
ClientSampleId :

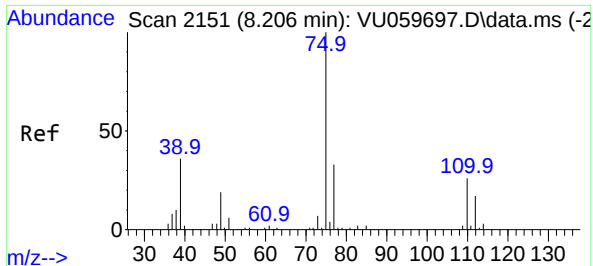
Tgt Ion: 83 Resp: 63964
Ion Ratio Lower Upper
83 100
85 1.1 42.7 79.3#
127 0.0 6.1 9.1#



#40
4-Methyl-2-pentanone
Concen: 2.442 ug/L
RT: 7.788 min Scan# 2021
Delta R.T. 0.007 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

Tgt Ion: 43 Resp: 14904
Ion Ratio Lower Upper
43 100
58 61.4 34.0 51.0#
100 22.8 12.1 18.1#

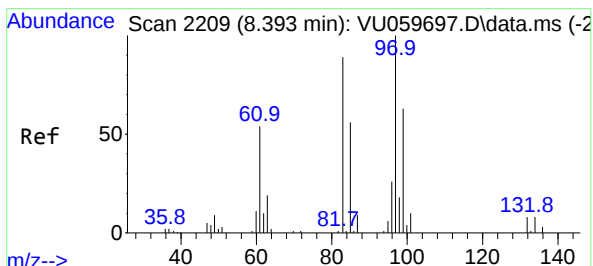
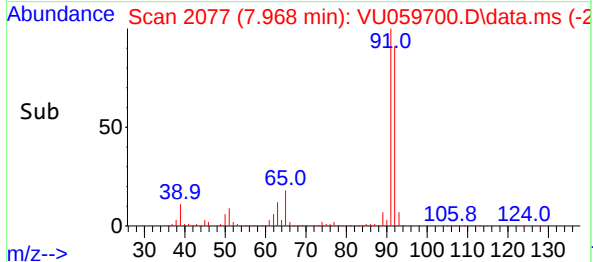
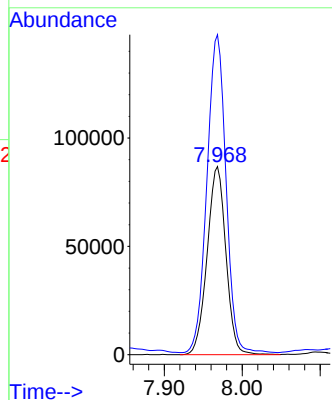
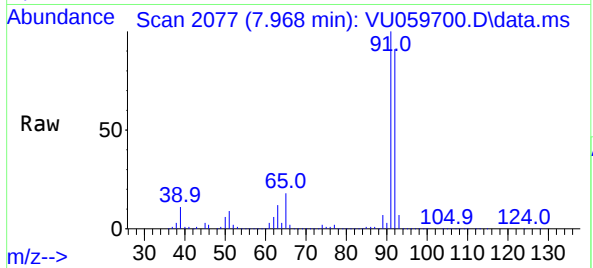




#44
trans-1,3-Dichloropropene
Concen: 10.065 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. -0.235 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

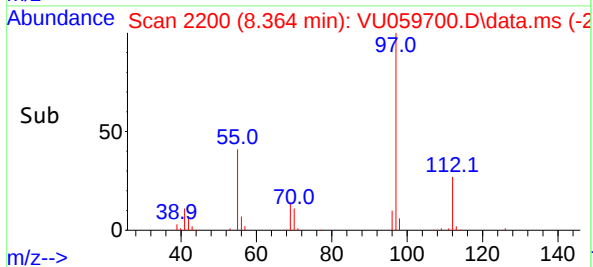
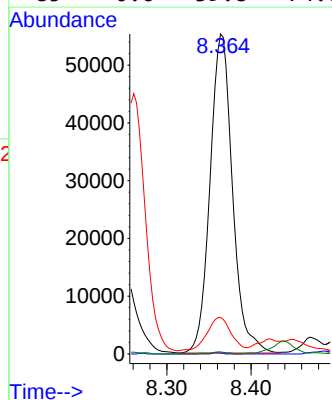
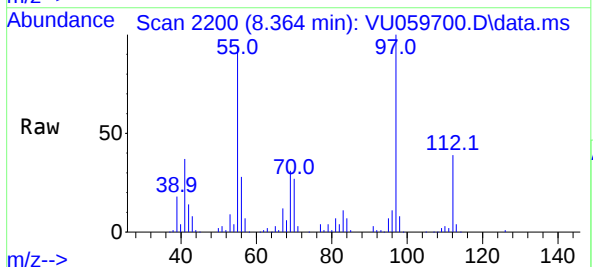
Instrument :
MSVOA_U
ClientSampleId :

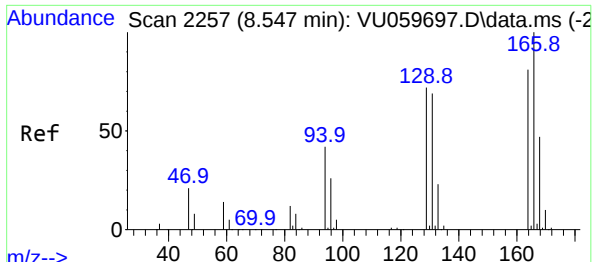
Tgt Ion: 75 Resp: 145497
Ion Ratio Lower Upper
75 100
77 170.0 22.0 41.0#



#45
1,1,2-Trichloroethane
Concen: 10.519 ug/L
RT: 8.364 min Scan# 2200
Delta R.T. -0.029 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

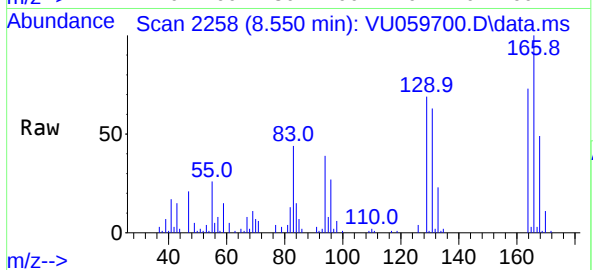
Tgt Ion: 97 Resp: 102080
Ion Ratio Lower Upper
97 100
99 0.3 43.3 80.3#
83 11.4 62.3 115.7#
85 0.6 39.8 74.0#



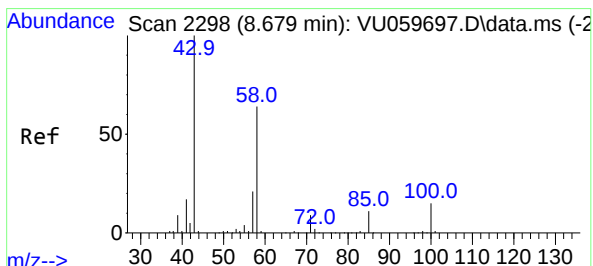
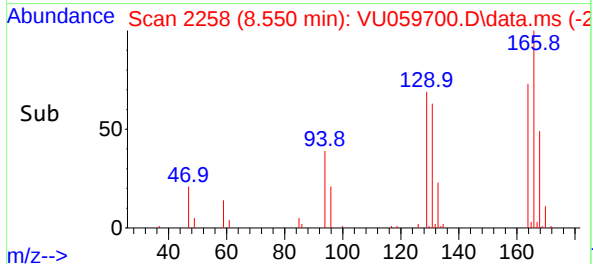
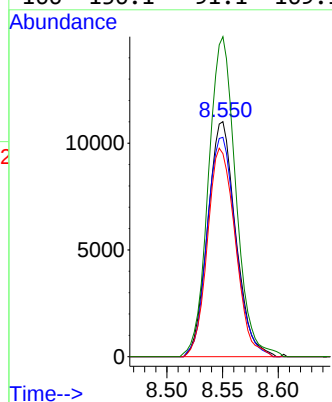


#47
Tetrachloroethene
Concen: 1.798 ug/L
RT: 8.550 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

Instrument :
MSVOA_U
ClientSampleId :

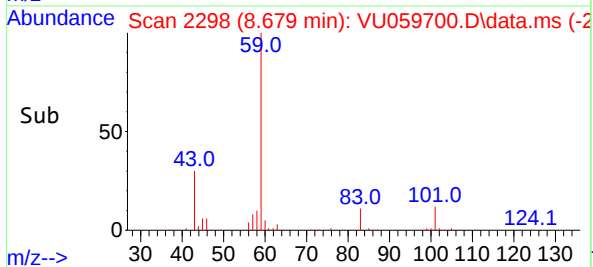
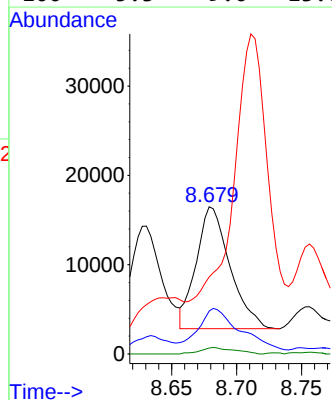
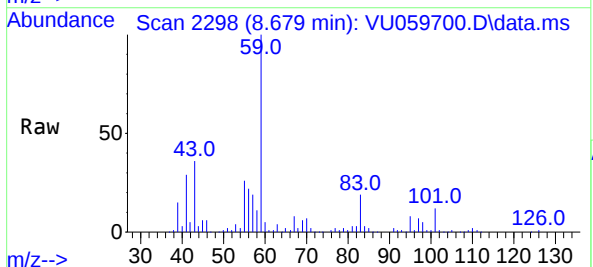


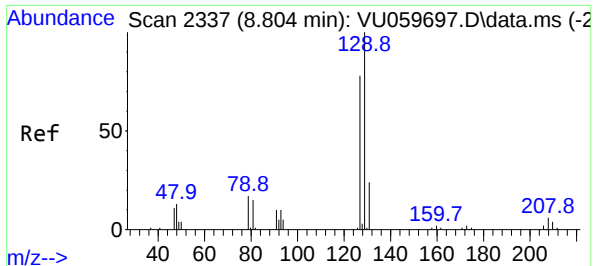
Tgt Ion:164 Resp: 19229
Ion Ratio Lower Upper
164 100
129 93.3 70.8 131.4
131 86.4 64.8 120.3
166 136.1 91.1 169.1



#48
2-Hexanone
Concen: 5.673 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. 0.003 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

Tgt Ion: 43 Resp: 24707
Ion Ratio Lower Upper
43 100
58 44.1 46.1 69.1#
57 0.0 15.5 23.3#
100 5.3 9.0 13.6#

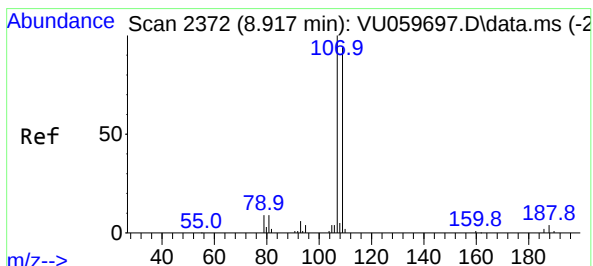
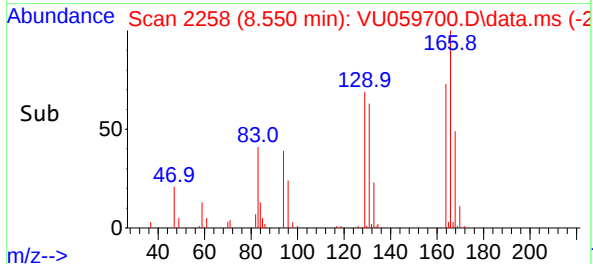
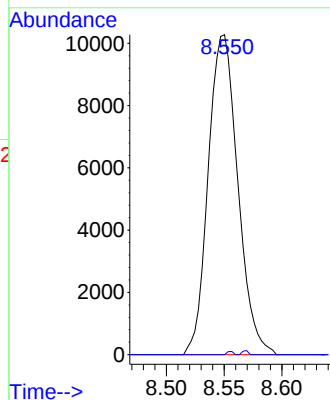
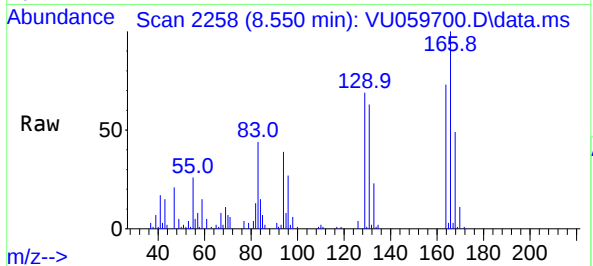




#49
Dibromochloromethane
Concen: 1.702 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.251 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

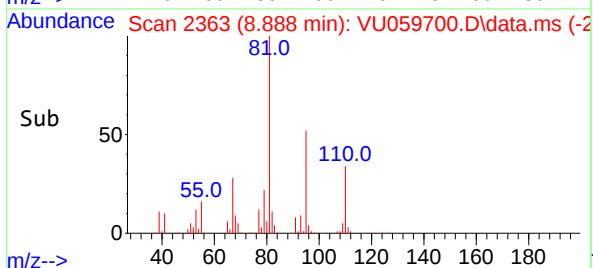
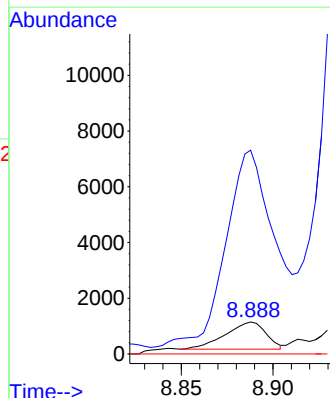
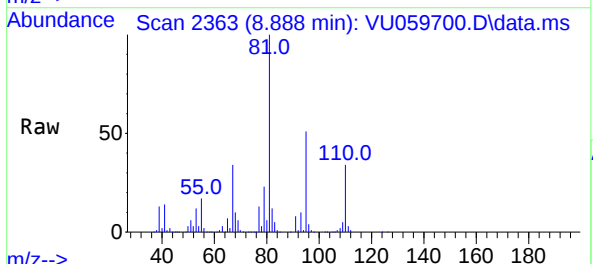
Instrument :
MSVOA_U
ClientSampleId :

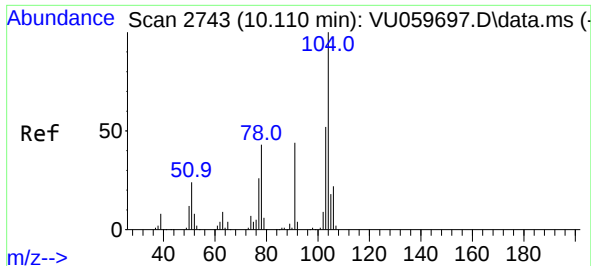
Tgt Ion:129 Resp: 18298
Ion Ratio Lower Upper
129 100
127 0.0 52.5 97.5#



#50
1,2-Dibromoethane
Concen: 0.168 ug/L
RT: 8.888 min Scan# 2363
Delta R.T. -0.029 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

Tgt Ion:107 Resp: 1504
Ion Ratio Lower Upper
107 100
109 635.7 66.9 124.3#
188 0.0 2.7 4.1#

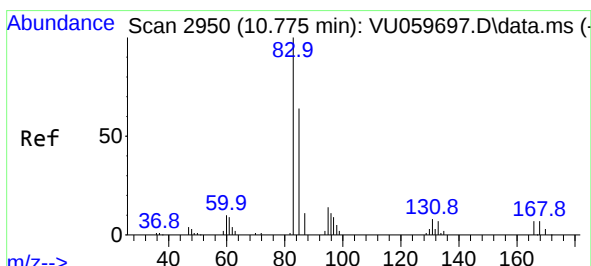
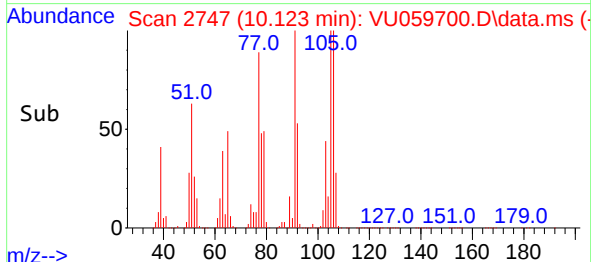
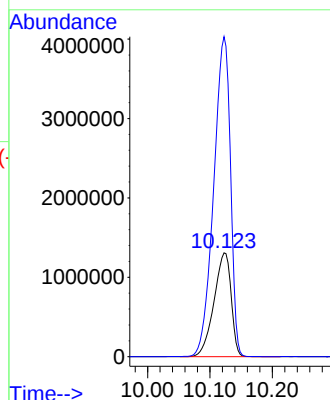
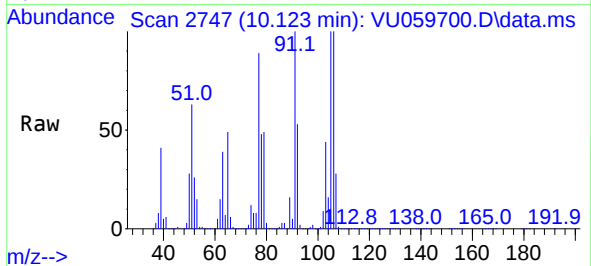




#55
Styrene
Concen: 72.636 ug/L
RT: 10.123 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

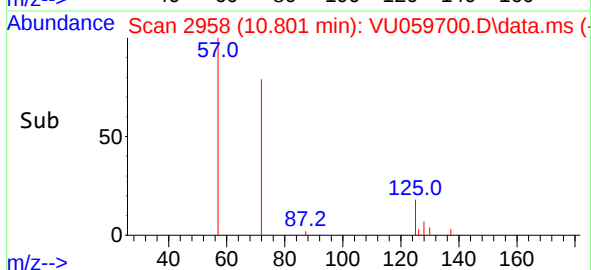
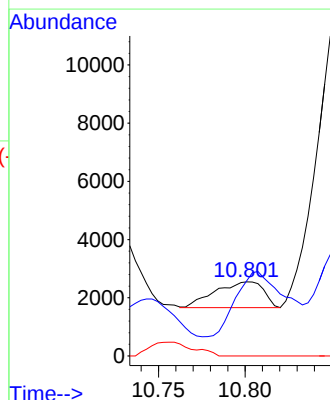
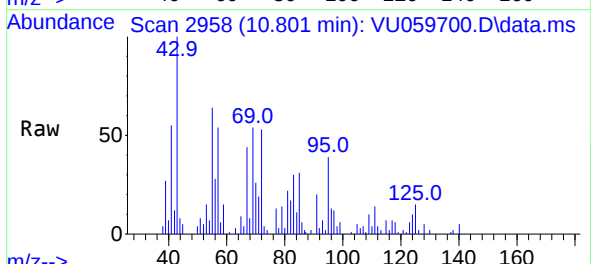
Instrument :
MSVOA_U
ClientSampleId :

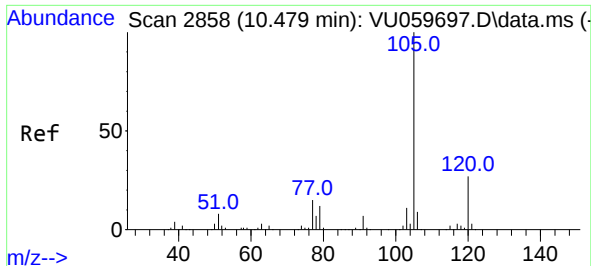
Tgt Ion:104 Resp: 2490970
Ion Ratio Lower Upper
104 100
78 308.1 32.3 60.1#



#57
1,1,2,2-Tetrachloroethane
Concen: 0.147 ug/L
RT: 10.801 min Scan# 2958
Delta R.T. 0.026 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

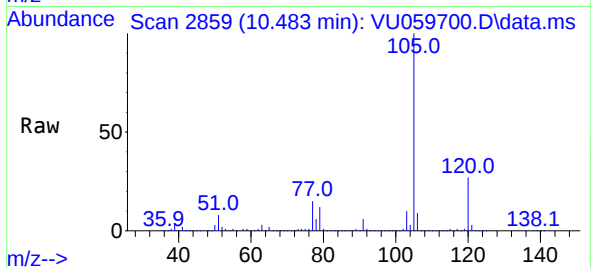
Tgt Ion: 83 Resp: 1725
Ion Ratio Lower Upper
83 100
85 101.5 44.7 82.9#
131 0.0 6.9 10.3#



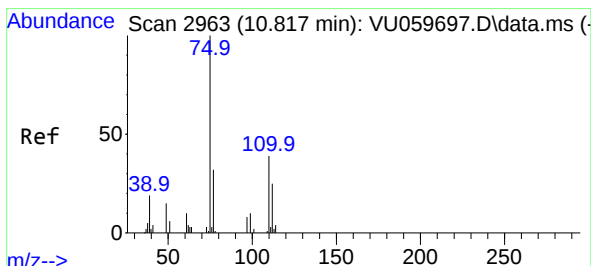
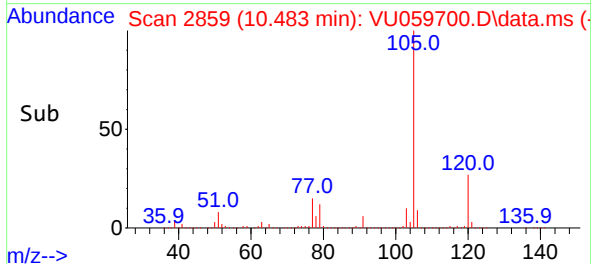
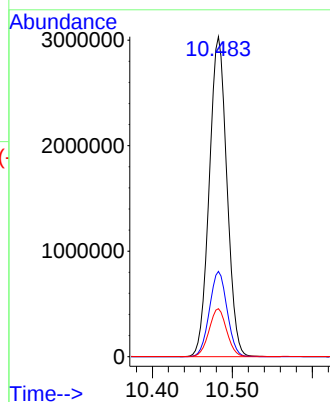


#60
Isopropylbenzene
Concen: 66.994 ug/L
RT: 10.483 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

Instrument :
MSVOA_U
ClientSampleId :

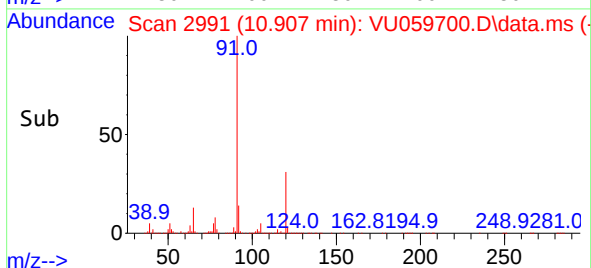
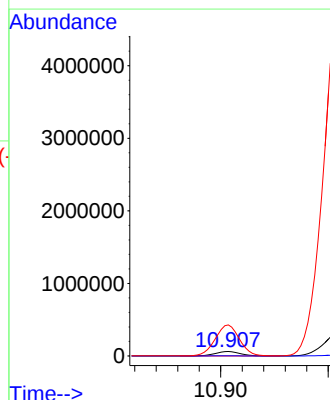
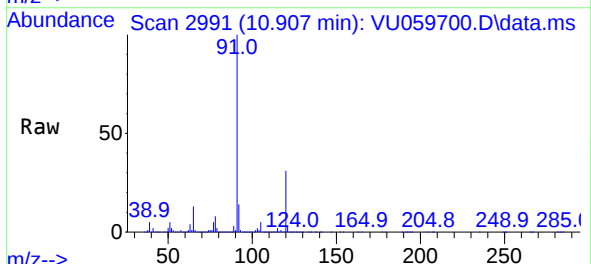


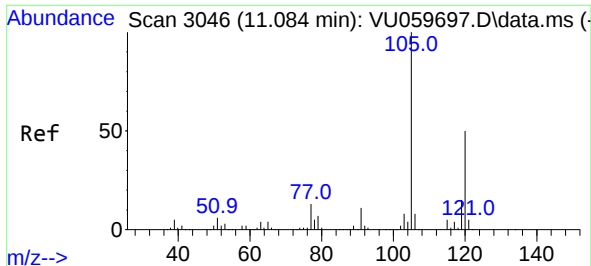
Tgt Ion:105 Resp: 4634354
Ion Ratio Lower Upper
105 100
120 26.8 20.6 31.0
77 15.0 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 9.451 ug/L
RT: 10.907 min Scan# 2991
Delta R.T. 0.090 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

Tgt Ion: 75 Resp: 97800
Ion Ratio Lower Upper
75 100
110 3.5 27.1 40.7#
77 675.8 25.4 38.2#

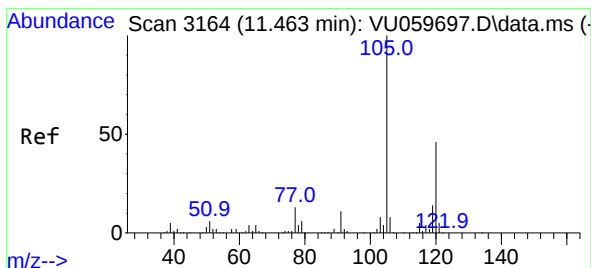
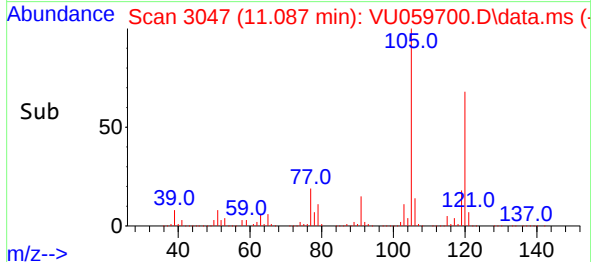
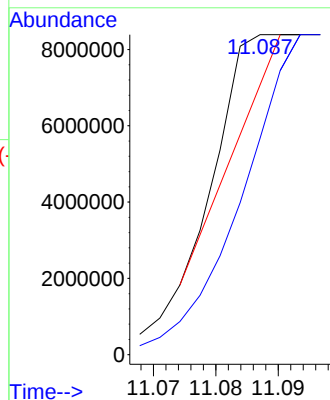
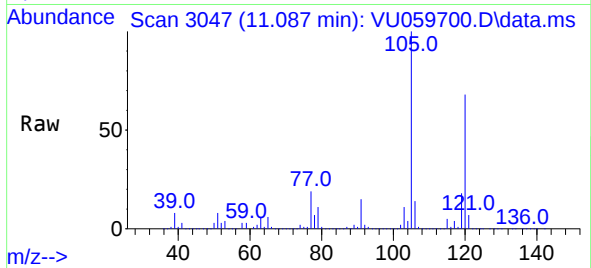




#62
1,3,5-Trimethylbenzene
Concen: 32.667 ug/L
RT: 11.087 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

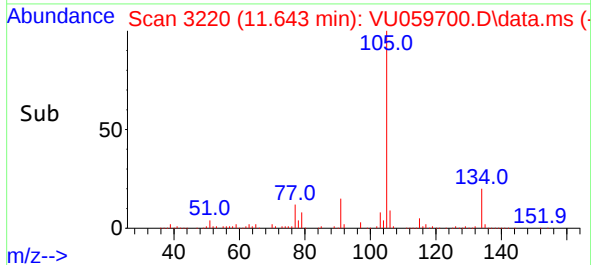
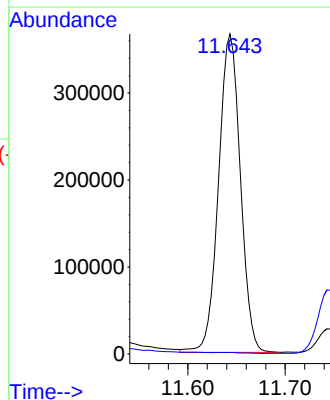
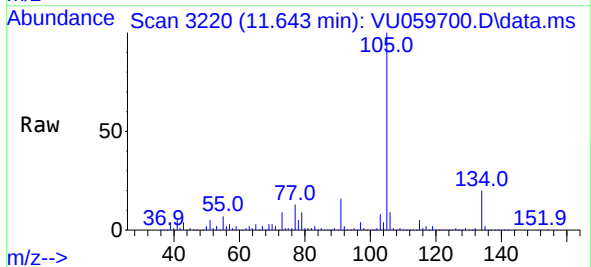
Instrument :
MSVOA_U
ClientSampleId :

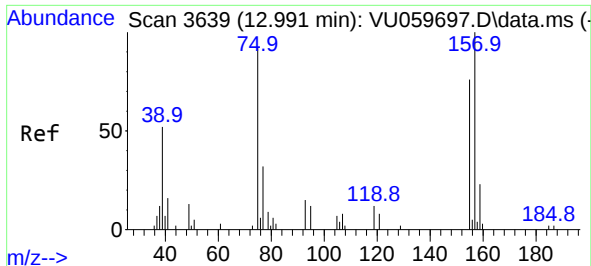
Tgt Ion:105 Resp: 1790270
Ion Ratio Lower Upper
105 100
120 843.5 38.2 57.4#



#63
1,2,4-Trimethylbenzene
Concen: 10.875 ug/L
RT: 11.643 min Scan# 3220
Delta R.T. 0.180 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

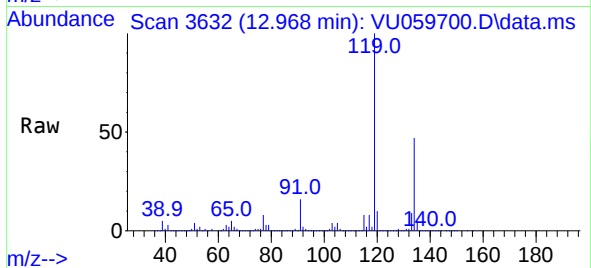
Tgt Ion:105 Resp: 569803
Ion Ratio Lower Upper
105 100
120 0.0 35.4 53.0#



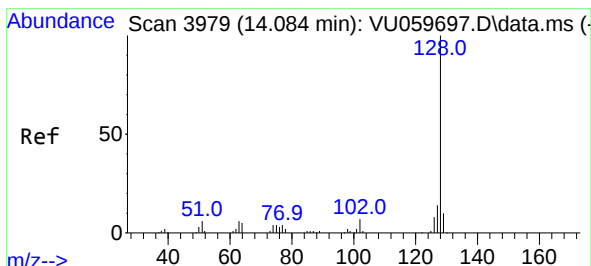
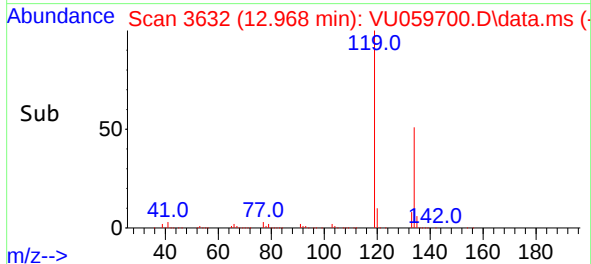
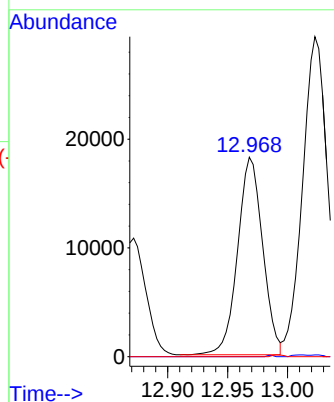


#68
1,2-Dibromo-3-chloropropane
Concen: 13.094 ug/L
RT: 12.968 min Scan# 30
Delta R.T. -0.022 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 26431
Ion Ratio Lower Upper
75 100
155 0.0 58.2 87.2#
157 0.0 80.0 120.0#



#71
Naphthalene
Concen: 12.310 ug/L
RT: 13.621 min Scan# 3835
Delta R.T. -0.463 min
Lab File: VU059700.D
Acq: 01 Jul 2024 21:41

Tgt Ion:128 Resp: 352012
Ion Ratio Lower Upper
128 100
129 177.9 8.2 12.4#
127 46.6 10.2 15.4#

