

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070124\
 Data File : VU059710.D
 Acq On : 02 Jul 2024 01:40
 Operator : MD/SY
 Sample : P3121-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 02 03:56:19 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	224344	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	222108	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	116431	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	35719	2.290	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	45.800%
7) Chloroethane-d5	1.908	69	39469	2.630	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	52.600%#
11) 1,1-Dichloroethene-d2	2.560	65	17705	2.736	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.800%#
20) 2-Butanone-d5	4.641	46	161297	50.196	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.400%
24) Chloroform-d	5.055	84	109177	3.410	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.200%#
26) 1,2-Dichloroethane-d4	5.695	65	56147	3.640	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.800%
32) Benzene-d6	5.721	84	214625	3.511	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.200%
36) 1,2-Dichloropropane-d6	6.682	67	70540	3.766	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.400%
41) Toluene-d8	7.891	98	202287	3.560	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.200%
43) trans-1,3-Dichloroprop...	8.174	79	25195	4.296	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.627	63	139841	57.381	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.760%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	67707	4.375	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	90428	4.364	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	5267	0.257	ug/L	95
5) Vinyl chloride	1.599	62	132453	5.861	ug/L	99
12) 1,1-Dichloroethene	2.573	96	6406	0.403	ug/L #	1
13) Acetone	2.650	43	15474	7.424	ug/L	54
14) Carbon disulfide	2.785	76	20809	0.392	ug/L	97
15) Methyl Acetate	2.956	43	72469	13.175	ug/L	97
18) trans-1,2-Dichloroethene	3.345	96	127731	7.719	ug/L	90
21) 2-Butanone	4.721	43	71787	21.472	ug/L	91
22) cis-1,2-Dichloroethene	4.653	96	19061459	1045.077	ug/L	83
25) Chloroform	5.120	83	22527	0.701	ug/L #	31
30) Cyclohexane	5.377	56	449557	19.853	ug/L #	92
34) Trichloroethene	6.534	95	38978	2.134	ug/L	96
35) Methylcyclohexane	6.756	83	173766	6.686	ug/L	98
38) Bromodichloromethane	7.152	83	9267	0.425	ug/L #	26
40) 4-Methyl-2-pentanone	7.792	43	15713	1.943	ug/L #	86
42) Toluene	7.965	91	12620	0.177	ug/L	96
45) 1,1,2-Trichloroethane	8.361	97	7972	0.620	ug/L #	20
47) Tetrachloroethene	8.547	164	38244	2.698	ug/L	97
48) 2-Hexanone	8.682	43	25924	4.491	ug/L #	84

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

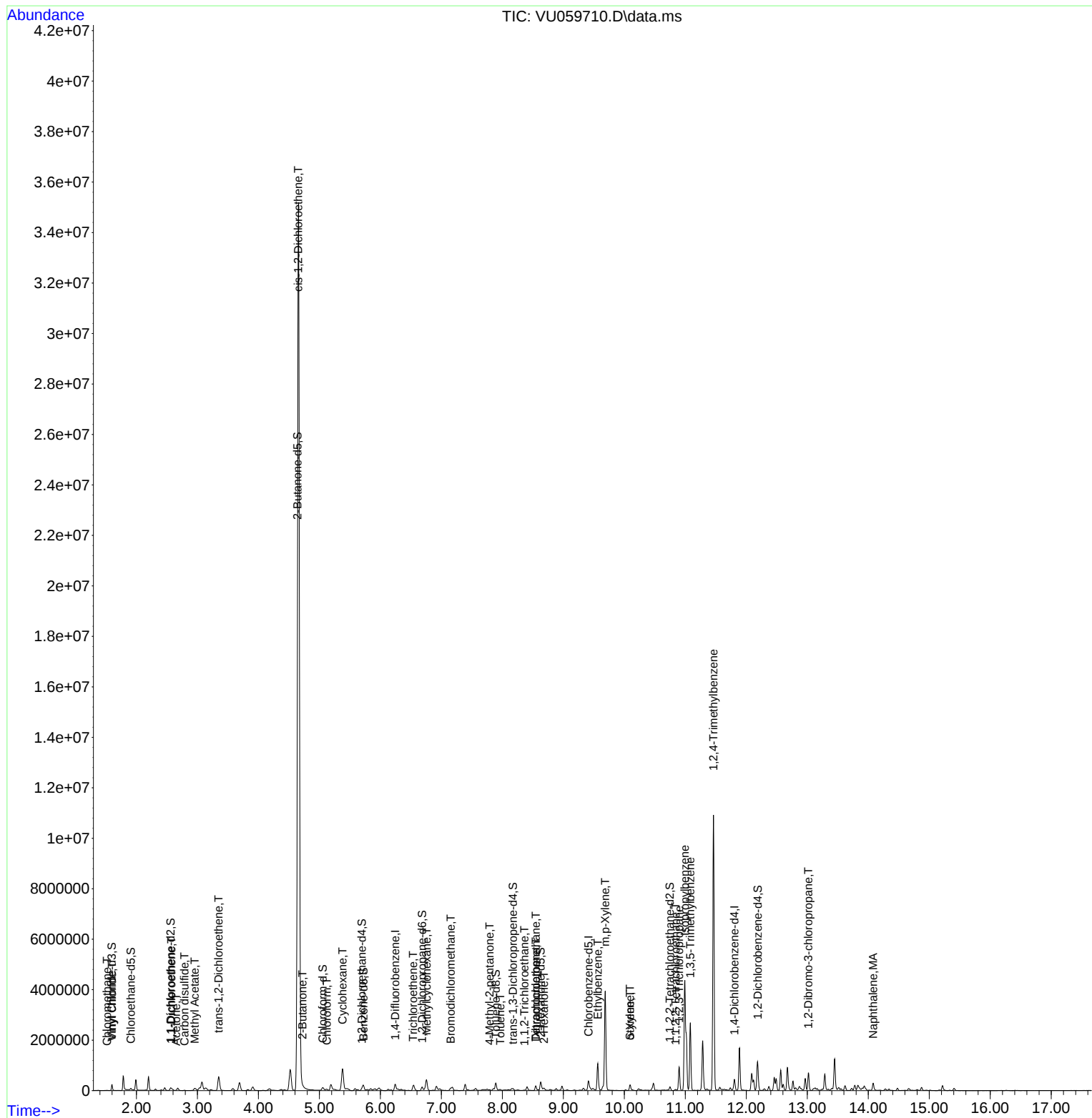
49) Dibromochloromethane	8.547	129	36698	2.576	ug/L #	12
52) Ethylbenzene	9.563	91	744423	10.162	ug/L	96
53) m,p-Xylene	9.685	106	1144061	40.665	ug/L	99
54) o-Xylene	10.094	106	62294	2.333	ug/L	99
55) Styrene	10.094	104	3814	0.084	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.840	83	4267	0.273	ug/L #	64
60) Isopropylbenzene	10.991	105	3954993	54.989	ug/L #	89
61) 1,2,3-Trichloropropane	10.898	75	4239	0.394	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.081	105	1454868	25.533	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	5983601	109.839	ug/L	98
68) 1,2-Dibromo-3-chloropr...	13.016	75	2967	1.414	ug/L #	6
71) Naphthalene	14.081	128	242038	8.141	ug/L	97

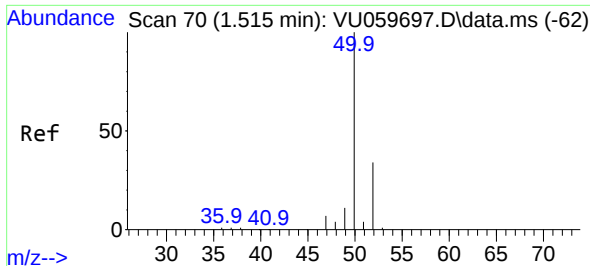
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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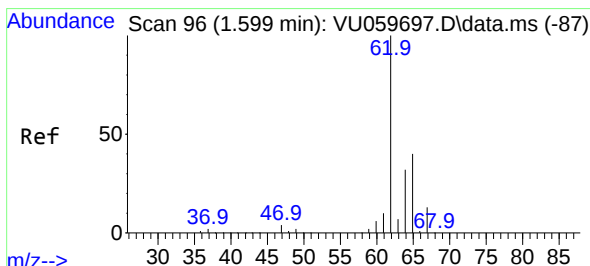
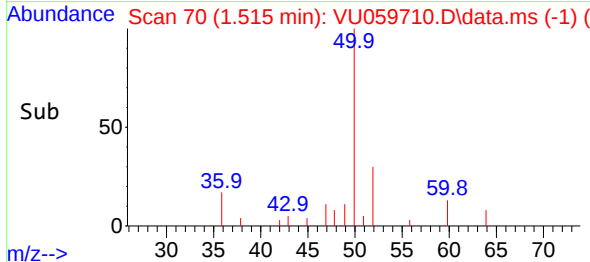
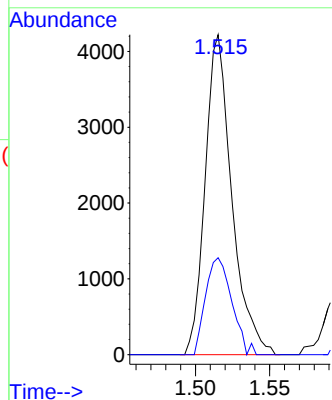
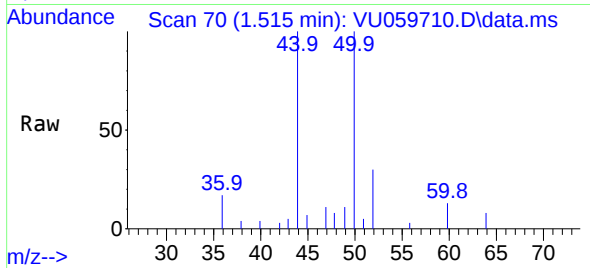




#3
Chloromethane
Concen: 0.257 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

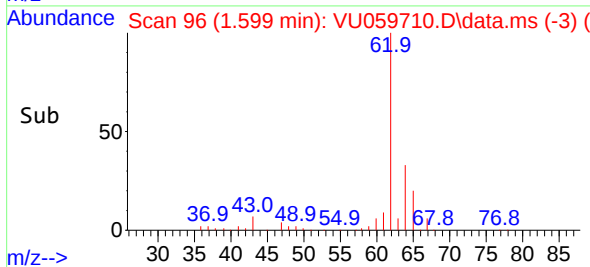
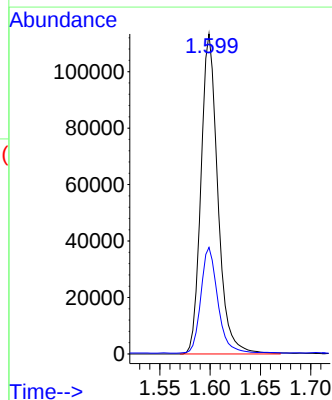
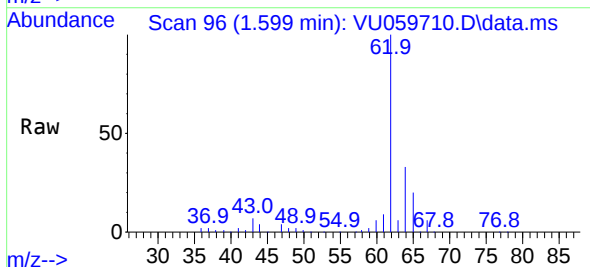
Instrument :
MSVOA_U
ClientSampleId :

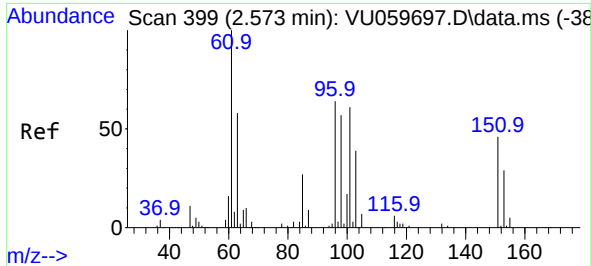
Tgt Ion: 50 Resp: 5267
Ion Ratio Lower Upper
50 100
52 30.3 23.2 43.0



#5
Vinyl chloride
Concen: 5.861 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Tgt Ion: 62 Resp: 132453
Ion Ratio Lower Upper
62 100
64 33.3 23.1 42.9

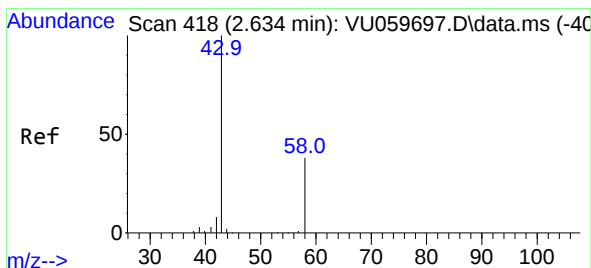
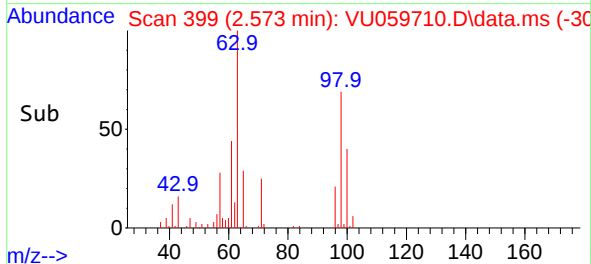
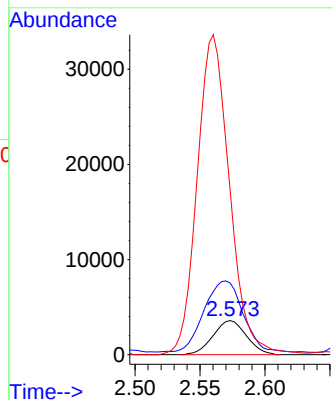
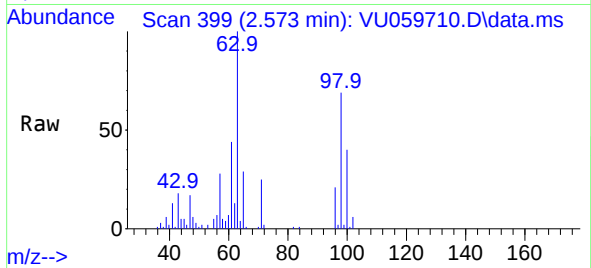




#12
1,1-Dichloroethene
Concen: 0.403 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

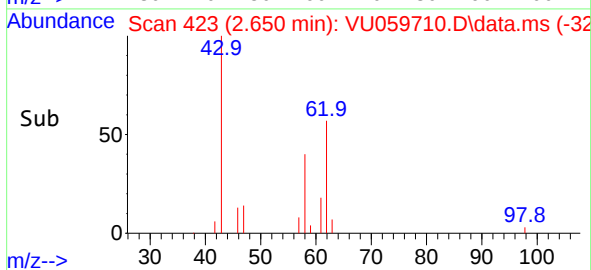
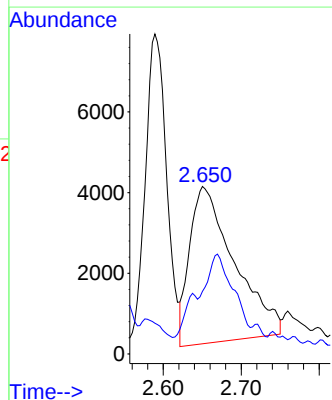
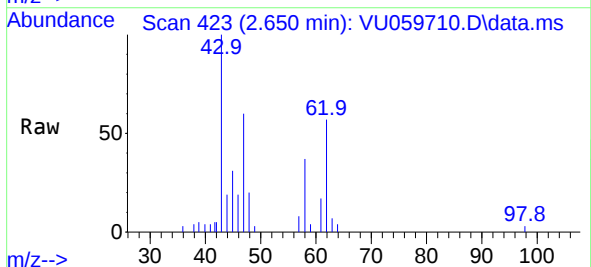
Instrument :
MSVOA_U
ClientSampleId :

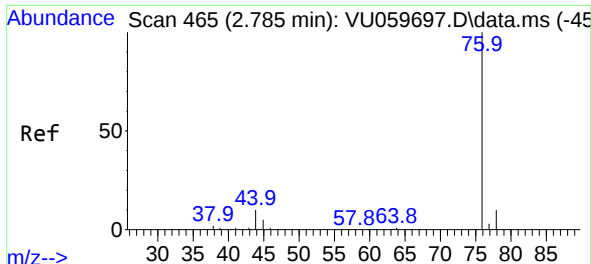
Tgt Ion: 96 Resp: 6406
Ion Ratio Lower Upper
96 100
61 210.6 122.9 228.3
63 483.2 80.4 149.4#



#13
Acetone
Concen: 7.424 ug/L
RT: 2.650 min Scan# 423
Delta R.T. 0.016 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

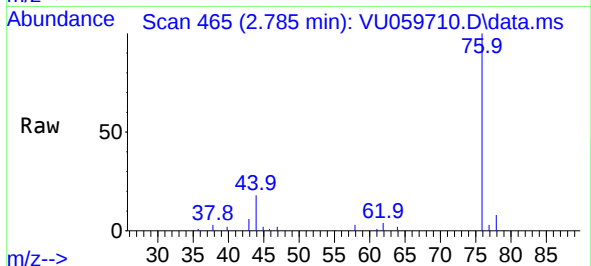
Tgt Ion: 43 Resp: 15474
Ion Ratio Lower Upper
43 100
58 7.7 0.0 68.0



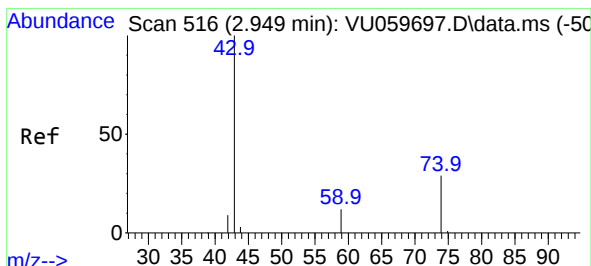
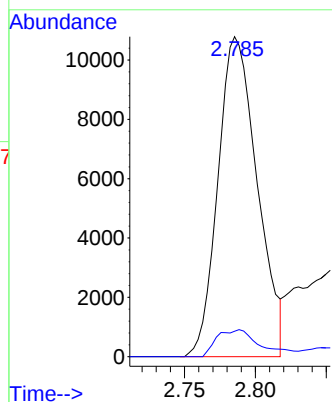
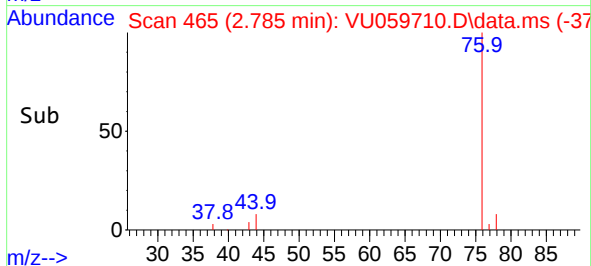


#14
Carbon disulfide
Concen: 0.392 ug/L
RT: 2.785 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Instrument :
MSVOA_U
ClientSampleId :

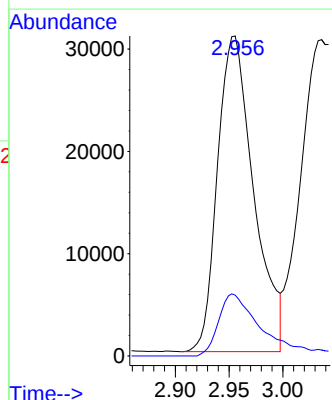
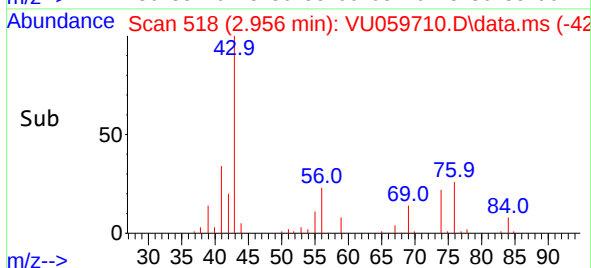
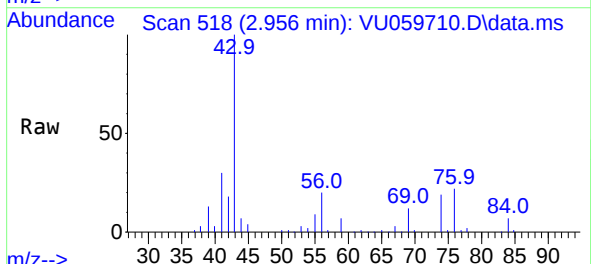


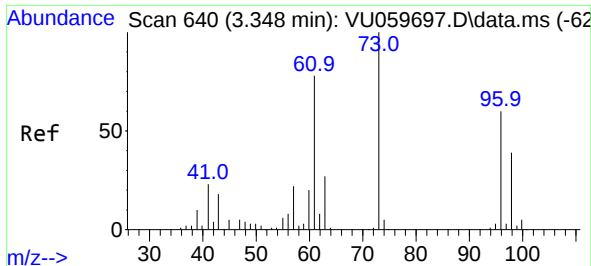
Tgt Ion: 76 Resp: 20809
Ion Ratio Lower Upper
76 100
78 7.9 7.3 10.9



#15
Methyl Acetate
Concen: 13.175 ug/L
RT: 2.956 min Scan# 518
Delta R.T. 0.007 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

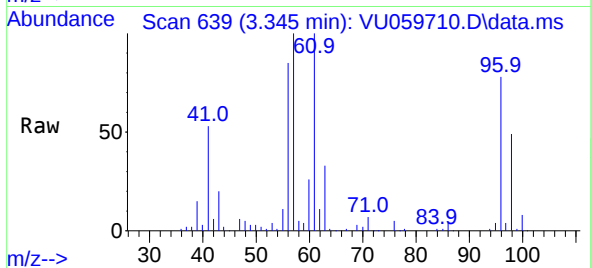
Tgt Ion: 43 Resp: 72469
Ion Ratio Lower Upper
43 100
74 22.7 19.2 28.8





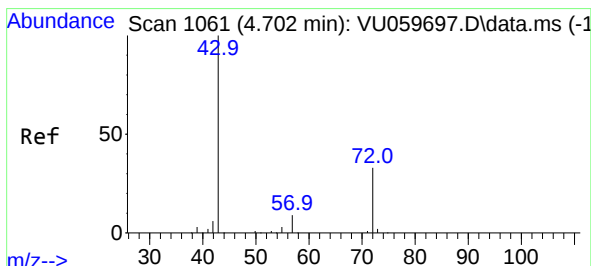
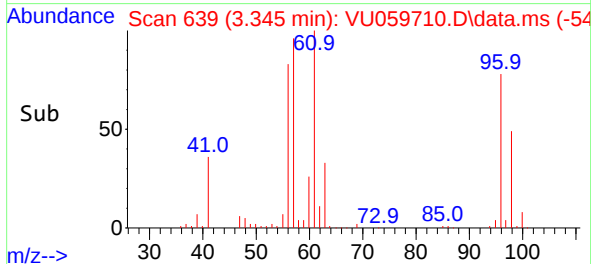
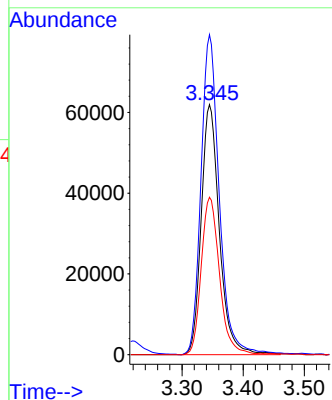
#18
trans-1,2-Dichloroethene
Concen: 7.719 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 96 Resp: 127731

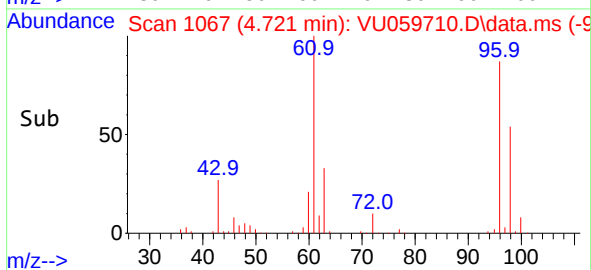
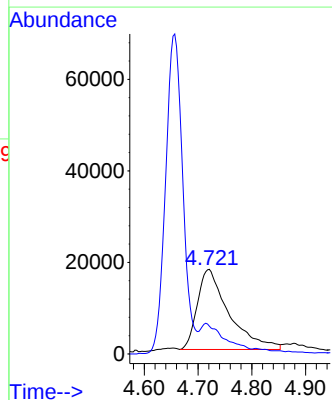
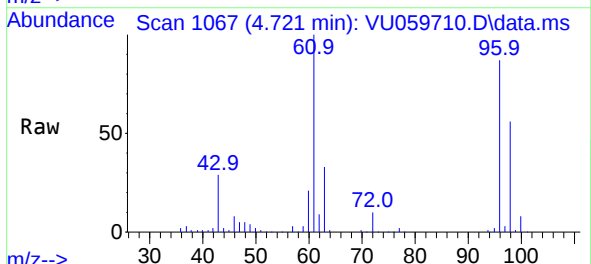
Ion	Ratio	Lower	Upper
96	100		
61	128.0	101.8	189.0
98	63.0	43.3	80.5

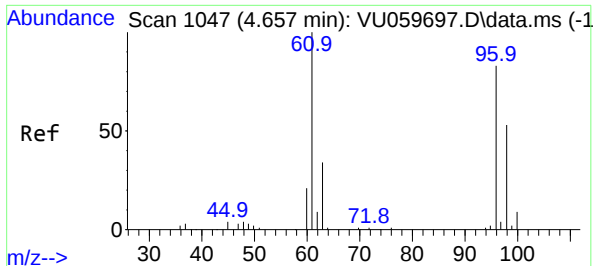


#21
2-Butanone
Concen: 21.472 ug/L
RT: 4.721 min Scan# 1067
Delta R.T. 0.023 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Tgt Ion: 43 Resp: 71787

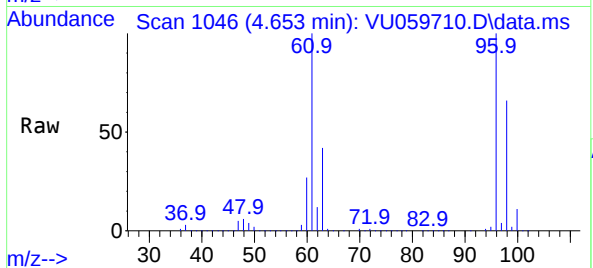
Ion	Ratio	Lower	Upper
43	100		
72	22.7	13.8	41.4





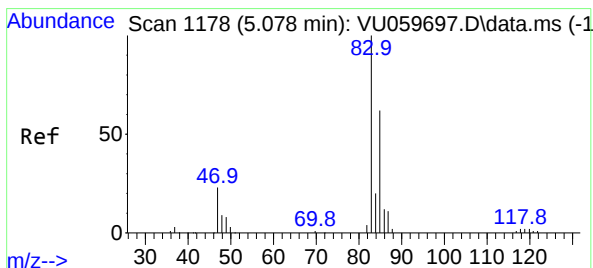
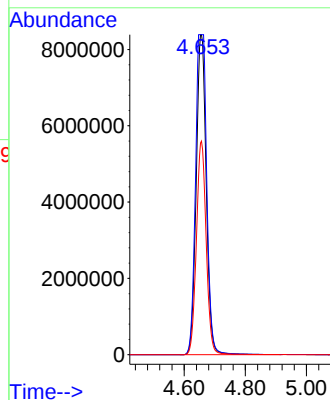
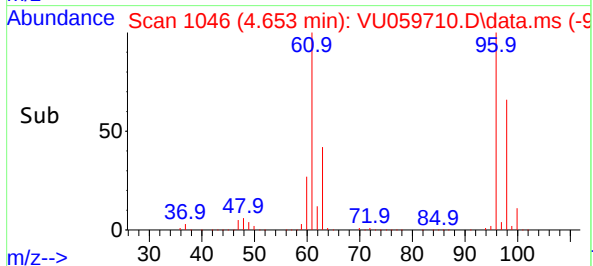
#22
 cis-1,2-Dichloroethene
 Concen: 1045.077 ug/L
 RT: 4.653 min Scan# 1109
 Delta R.T. -0.006 min
 Lab File: VU059710.D
 Acq: 02 Jul 2024 01:40

Instrument :
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Tgt Ion: 96 Resp:19061459

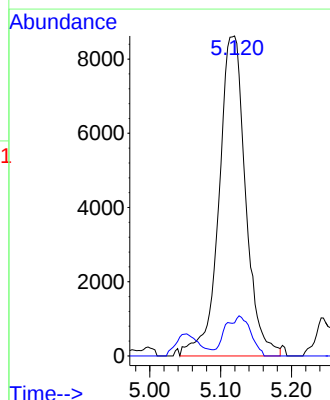
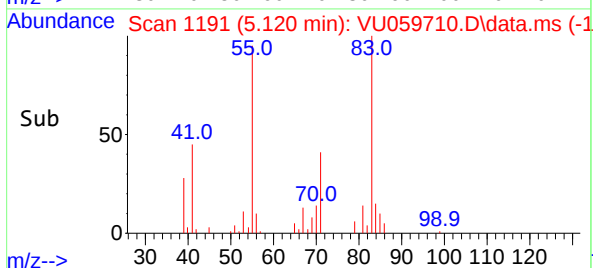
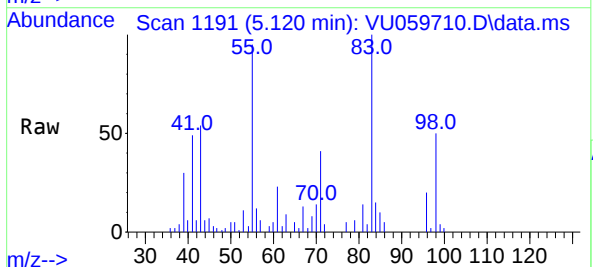
Ion	Ratio	Lower	Upper
96	100		
61	100.0	87.4	162.2
98	66.1	42.3	78.5

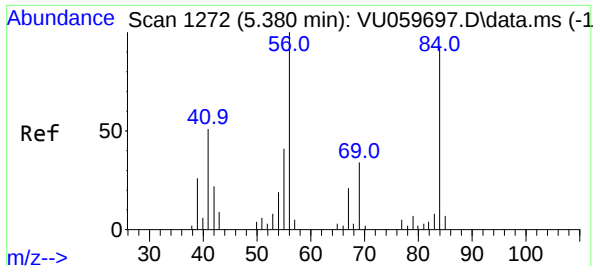


#25
 Chloroform
 Concen: 0.701 ug/L
 RT: 5.120 min Scan# 1191
 Delta R.T. 0.042 min
 Lab File: VU059710.D
 Acq: 02 Jul 2024 01:40

Tgt Ion: 83 Resp: 22527

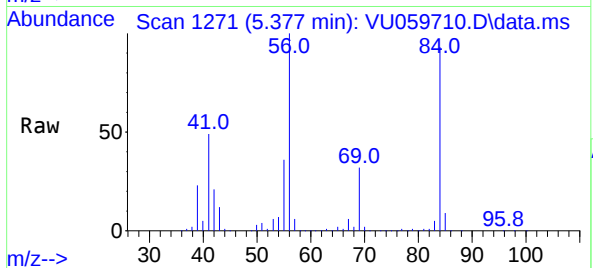
Ion	Ratio	Lower	Upper
83	100		
85	10.3	44.7	83.1#



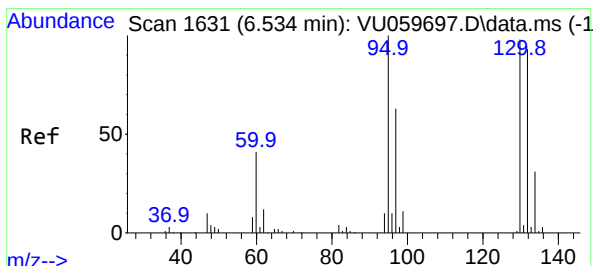
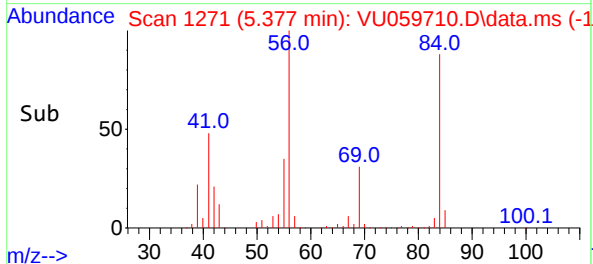
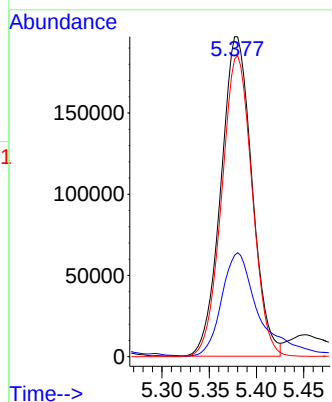


#30
Cyclohexane
Concen: 19.853 ug/L
RT: 5.377 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Instrument :
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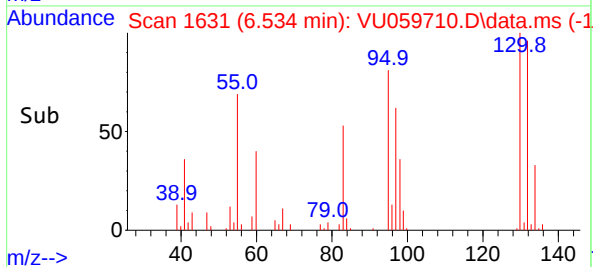
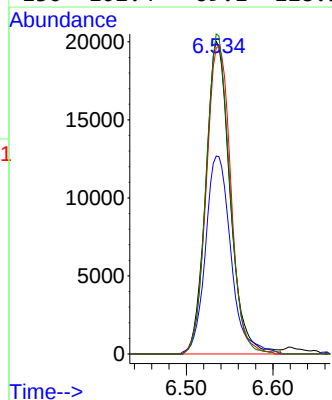
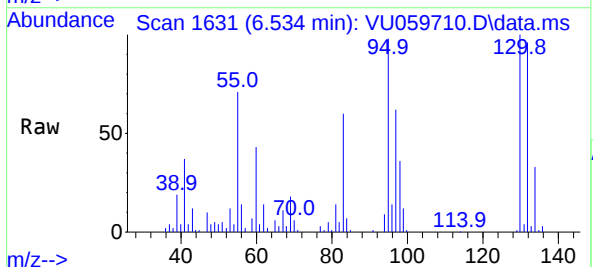


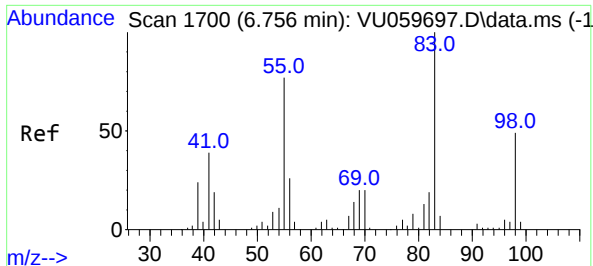
Tgt Ion: 56 Resp: 449557
Ion Ratio Lower Upper
56 100
69 40.0 24.8 37.2#
84 92.3 69.8 104.8



#34
Trichloroethene
Concen: 2.134 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

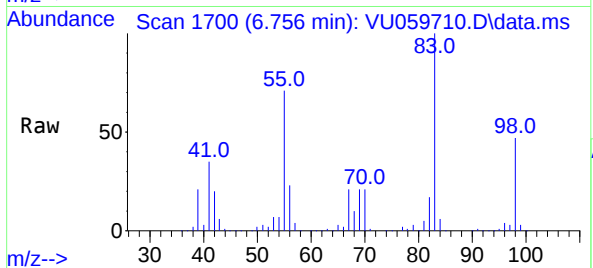
Tgt Ion: 95 Resp: 38978
Ion Ratio Lower Upper
95 100
97 63.3 45.3 84.1
132 97.9 64.0 119.0
130 102.4 69.1 128.3



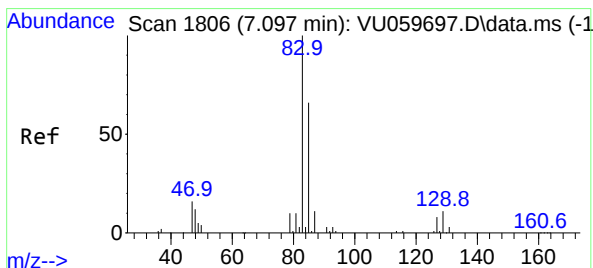
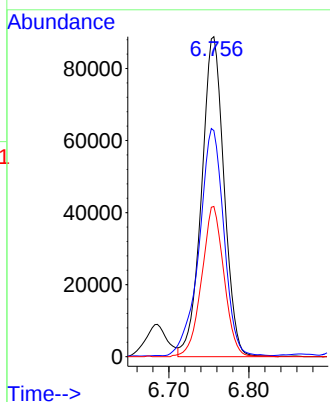
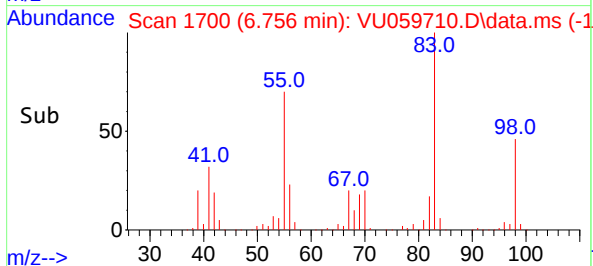


#35
Methylcyclohexane
Concen: 6.686 ug/L
RT: 6.756 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Instrument :
MSVOA_U
ClientSampleId :

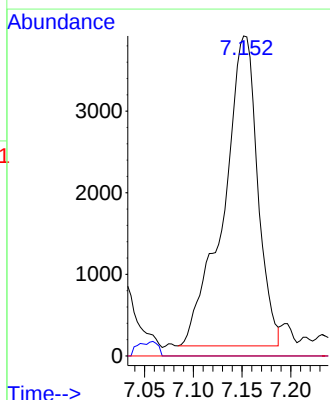
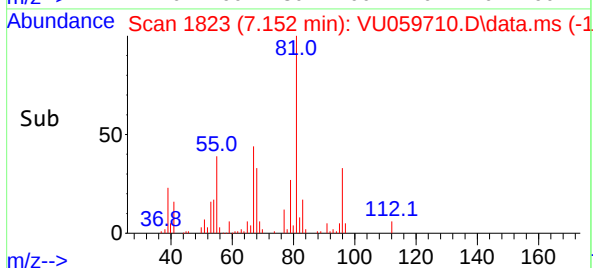
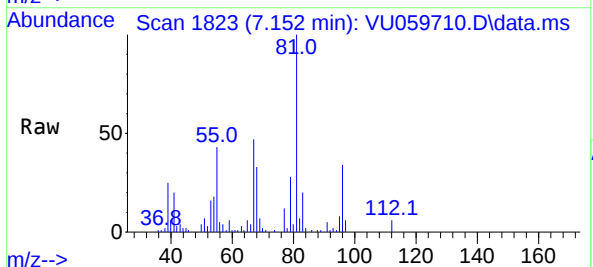


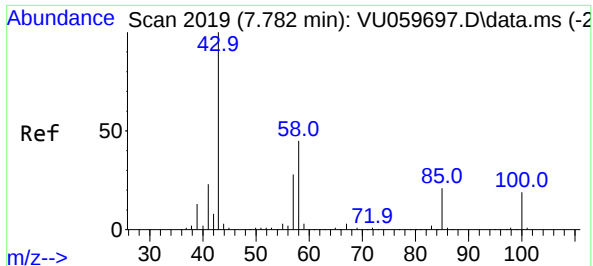
Tgt Ion: 83 Resp: 173766
Ion Ratio Lower Upper
83 100
55 77.5 62.7 94.1
98 46.5 35.4 53.0



#38
Bromodichloromethane
Concen: 0.425 ug/L
RT: 7.152 min Scan# 1823
Delta R.T. 0.052 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Tgt Ion: 83 Resp: 9267
Ion Ratio Lower Upper
83 100
85 0.0 42.7 79.3#
127 0.0 6.1 9.1#

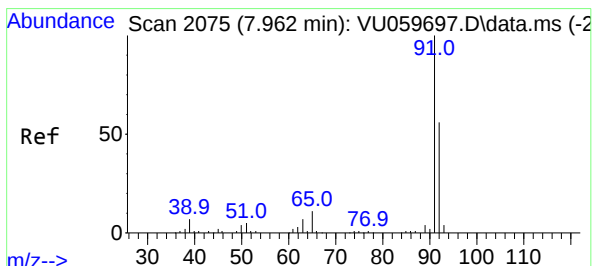
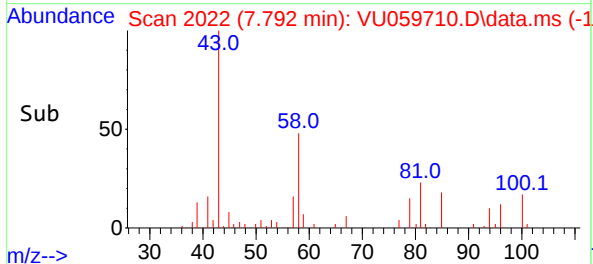
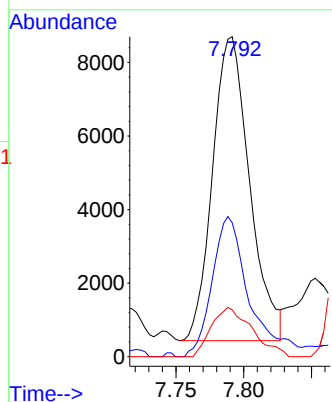
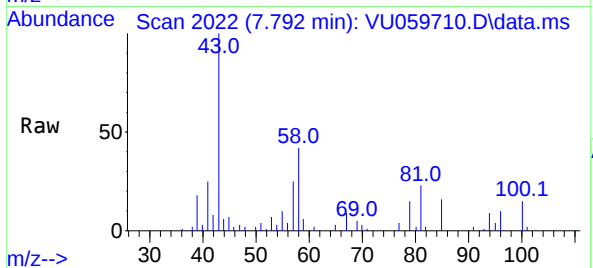




#40
4-Methyl-2-pentanone
Concen: 1.943 ug/L
RT: 7.792 min Scan# 2022
Delta R.T. 0.010 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

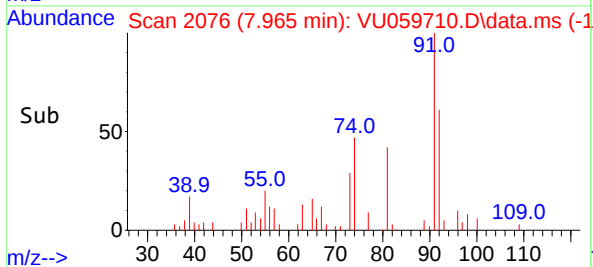
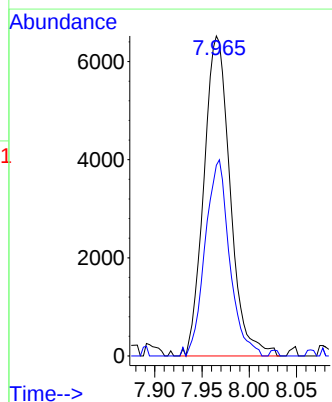
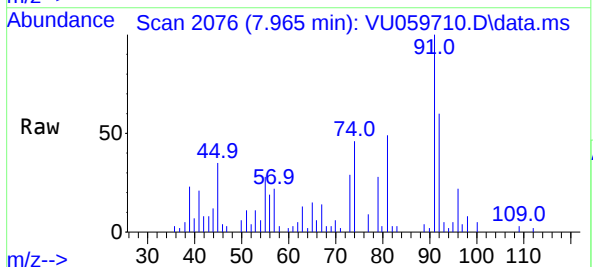
Instrument :
MSVOA_U
ClientSampleId :

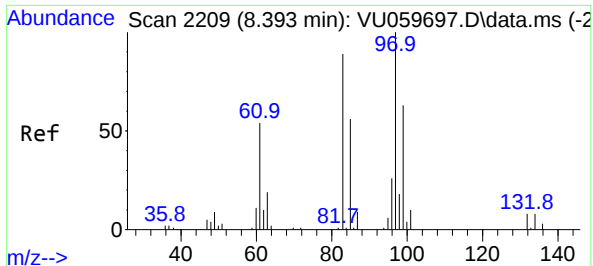
Tgt Ion: 43 Resp: 15713
Ion Ratio Lower Upper
43 100
58 46.1 34.0 51.0
100 0.0 12.1 18.1#



#42
Toluene
Concen: 0.177 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

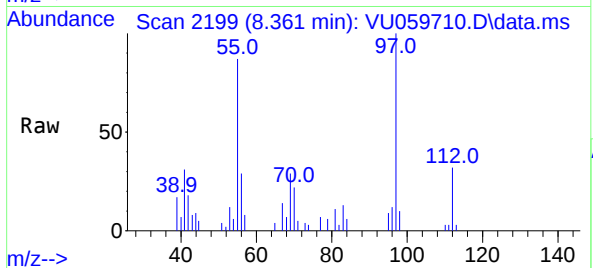
Tgt Ion: 91 Resp: 12620
Ion Ratio Lower Upper
91 100
92 59.6 39.7 73.7





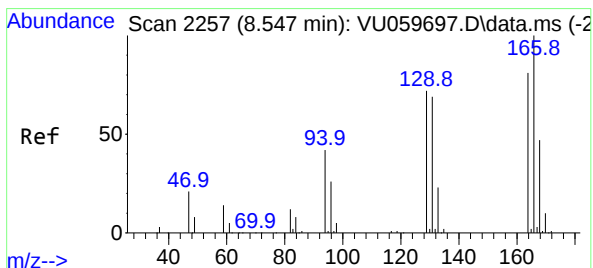
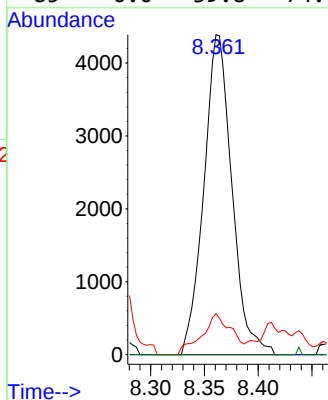
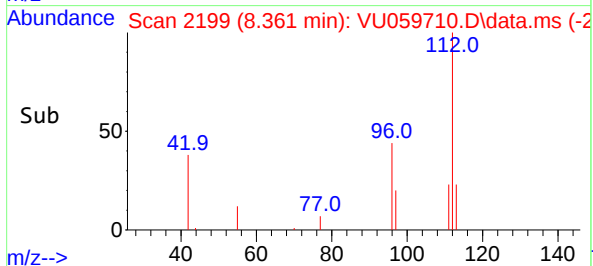
#45
1,1,2-Trichloroethane
Concen: 0.620 ug/L
RT: 8.361 min Scan# 2199
Delta R.T. -0.032 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 97 Resp: 7972

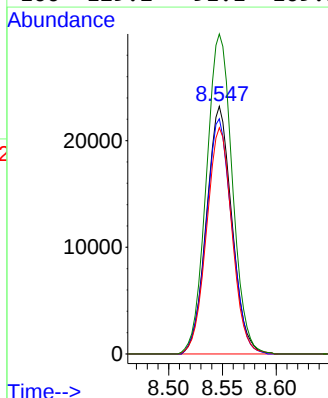
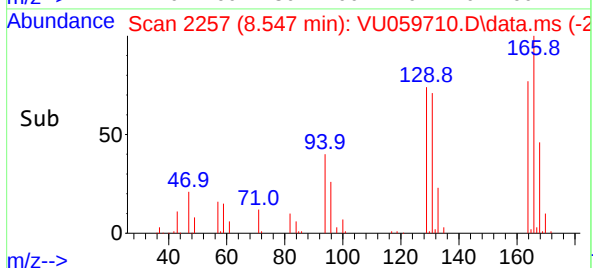
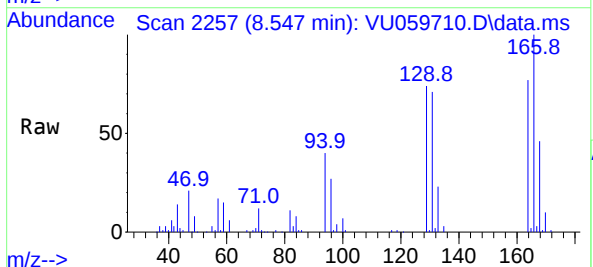
Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.3	80.3#
83	12.8	62.3	115.7#
85	0.0	39.8	74.0#

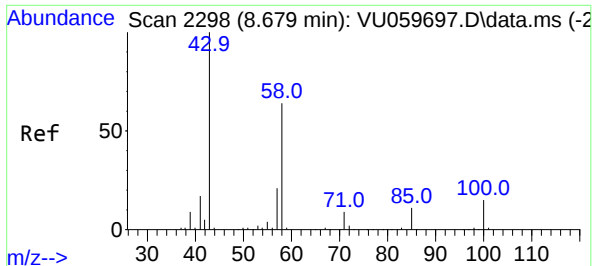


#47
Tetrachloroethene
Concen: 2.698 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Tgt Ion: 164 Resp: 38244

Ion	Ratio	Lower	Upper
164	100		
129	95.0	70.8	131.4
131	91.4	64.8	120.3
166	129.2	91.1	169.1

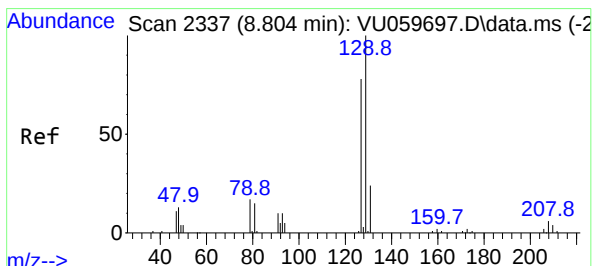
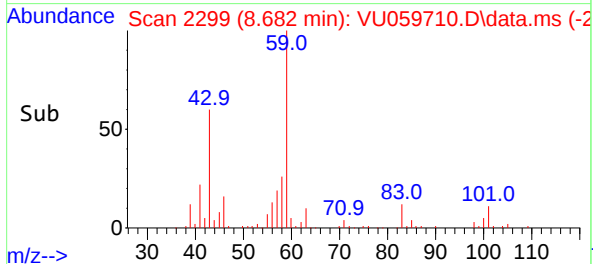
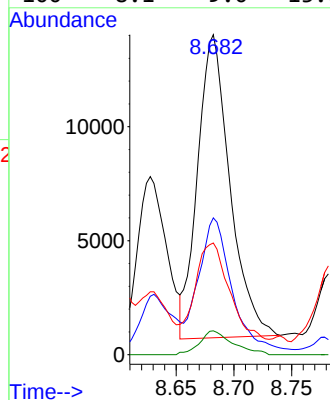
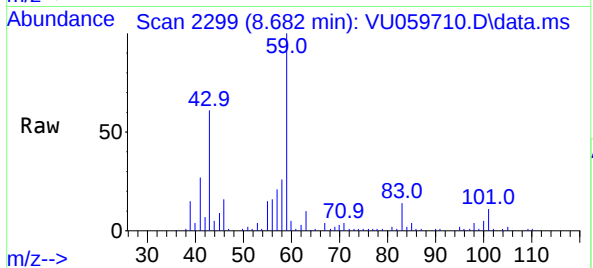




#48
2-Hexanone
Concen: 4.491 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

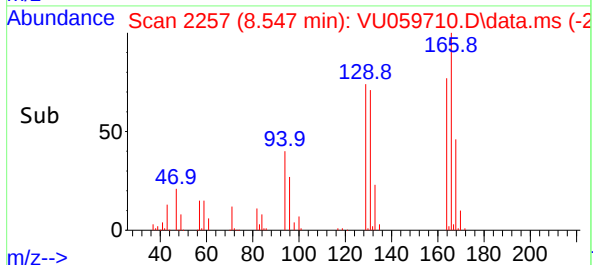
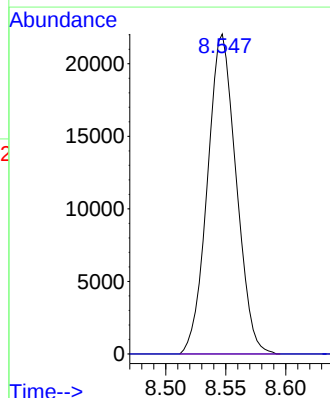
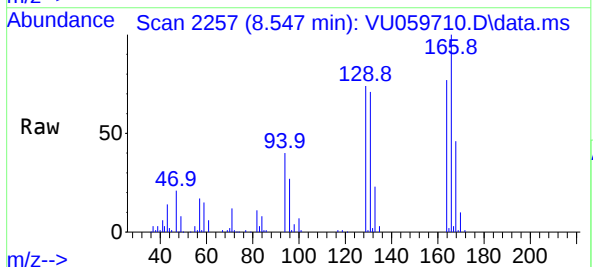
Instrument :
MSVOA_U
ClientSampleId :

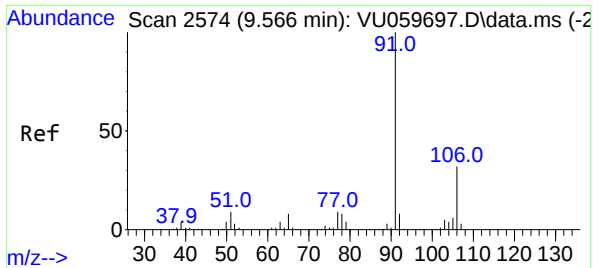
Tgt Ion: 43 Resp: 25924
Ion Ratio Lower Upper
43 100
58 48.1 46.1 69.1
57 33.5 15.5 23.3#
100 8.1 9.0 13.6#



#49
Dibromochloromethane
Concen: 2.576 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.254 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Tgt Ion: 129 Resp: 36698
Ion Ratio Lower Upper
129 100
127 0.0 52.5 97.5#

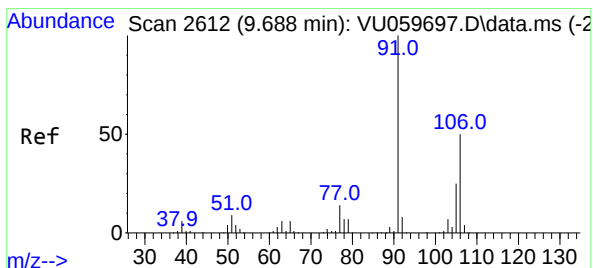
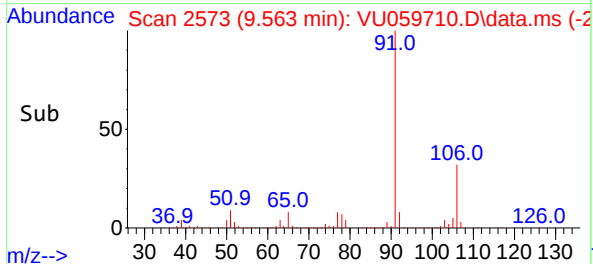
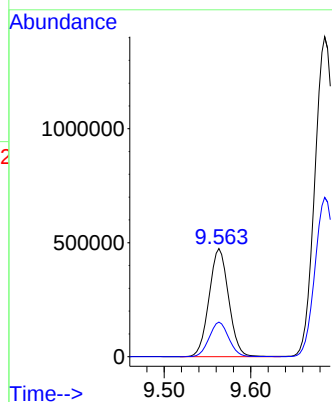
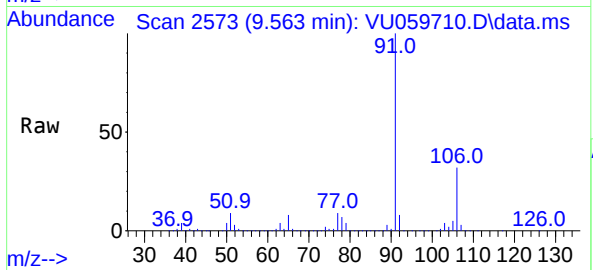




#52
Ethylbenzene
Concen: 10.162 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

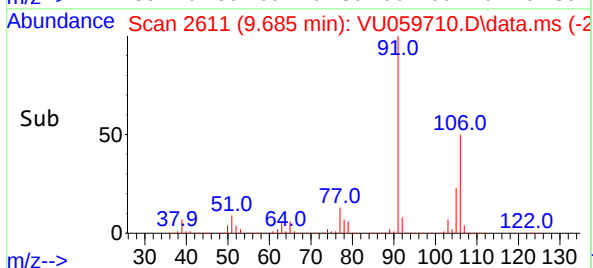
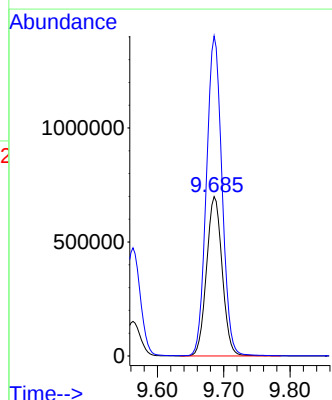
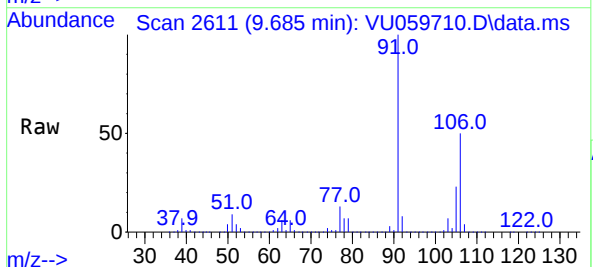
Instrument :
MSVOA_U
ClientSampleId :

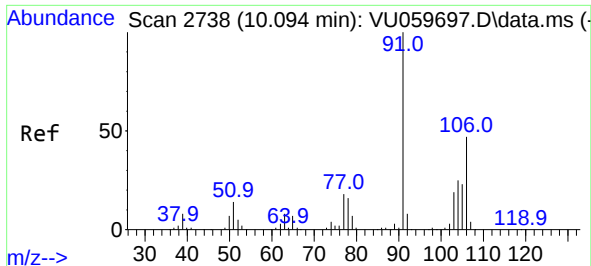
Tgt Ion: 91 Resp: 744423
Ion Ratio Lower Upper
91 100
106 32.0 20.9 38.7



#53
m,p-Xylene
Concen: 40.665 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Tgt Ion:106 Resp: 1144061
Ion Ratio Lower Upper
106 100
91 200.8 142.0 263.8

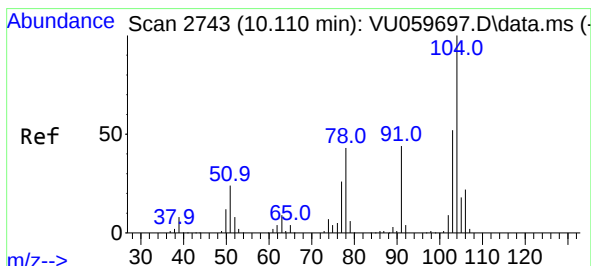
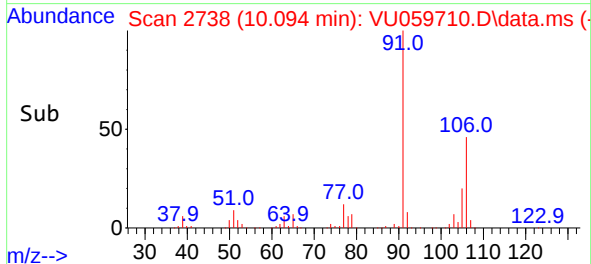
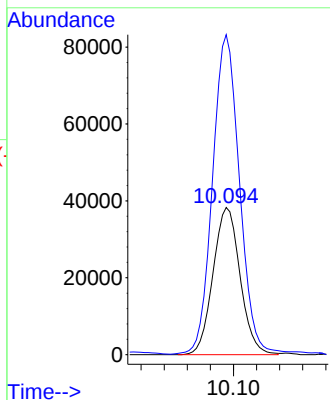
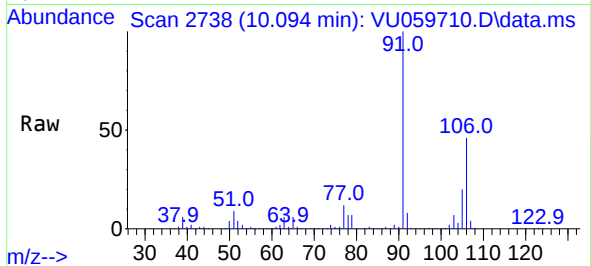




#54
o-Xylene
Concen: 2.333 ug/L
RT: 10.094 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

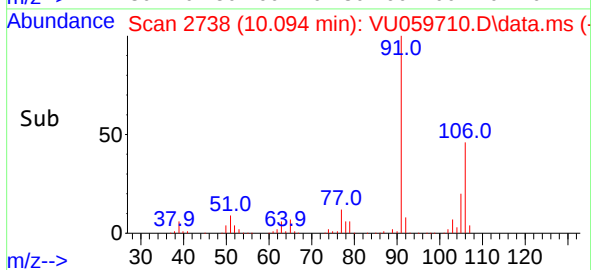
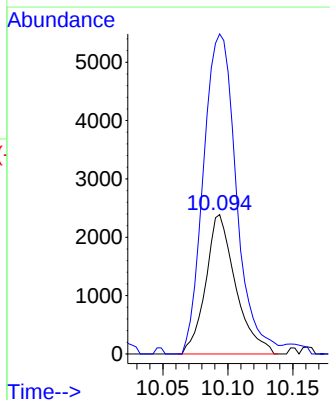
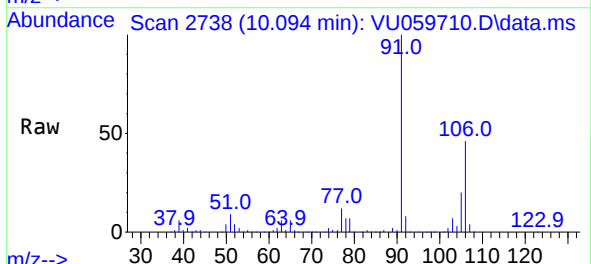
Instrument :
MSVOA_U
ClientSampleId :

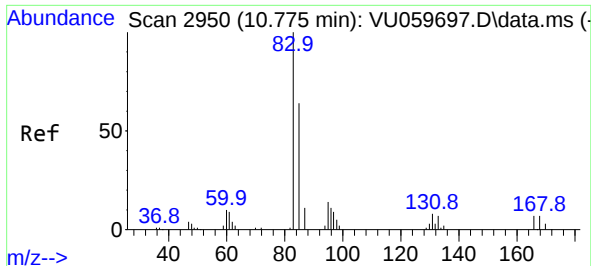
Tgt Ion:106 Resp: 62294
Ion Ratio Lower Upper
106 100
91 217.5 151.6 281.6



#55
Styrene
Concen: 0.084 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.016 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Tgt Ion:104 Resp: 3814
Ion Ratio Lower Upper
104 100
78 229.6 32.3 60.1#





#57

1,1,2,2-Tetrachloroethane

Concen: 0.273 ug/L

RT: 10.840 min Scan# 2950

Delta R.T. 0.065 min

Lab File: VU059710.D

Acq: 02 Jul 2024 01:40

Instrument :

MSVOA_U

ClientSampleId :

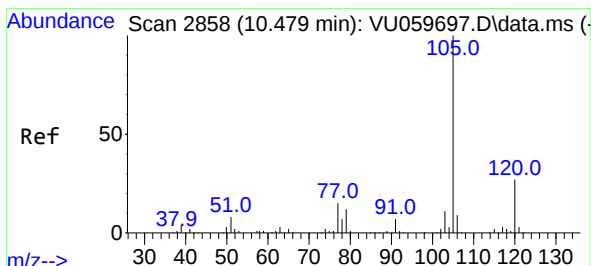
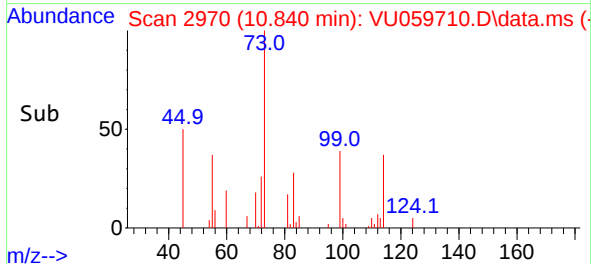
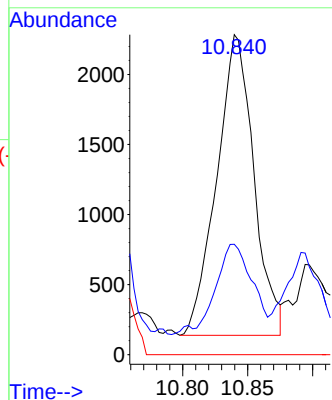
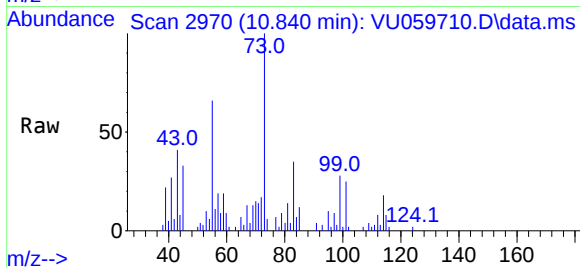
Tgt Ion: 83 Resp: 4267

Ion Ratio Lower Upper

83 100

85 34.5 44.7 82.9#

131 0.0 6.9 10.3#



#60

Isopropylbenzene

Concen: 54.989 ug/L

RT: 10.991 min Scan# 3017

Delta R.T. 0.511 min

Lab File: VU059710.D

Acq: 02 Jul 2024 01:40

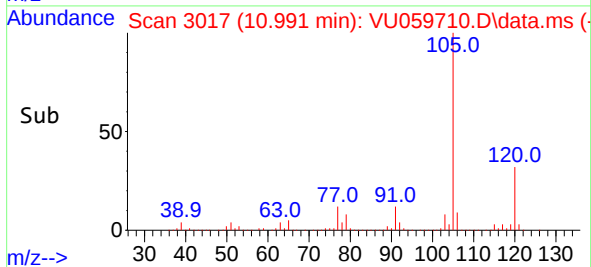
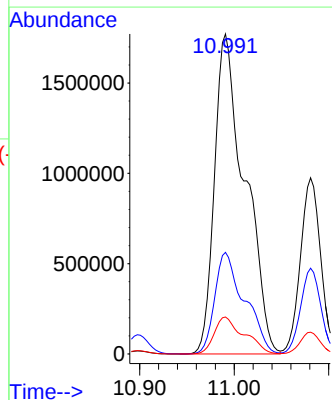
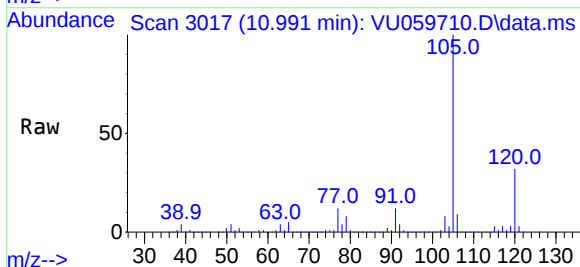
Tgt Ion:105 Resp: 3954993

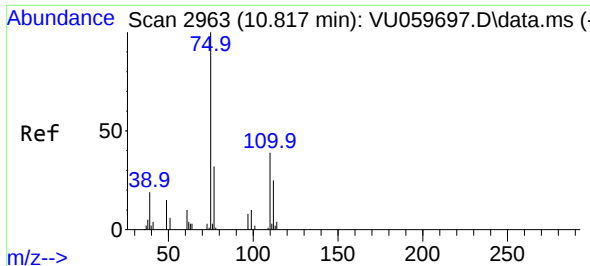
Ion Ratio Lower Upper

105 100

120 31.2 20.6 31.0#

77 11.3 12.8 19.2#

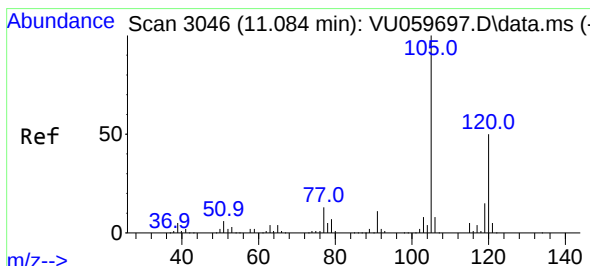
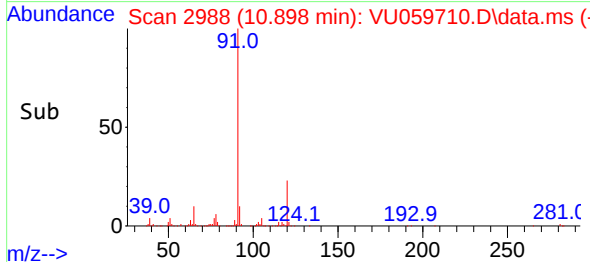
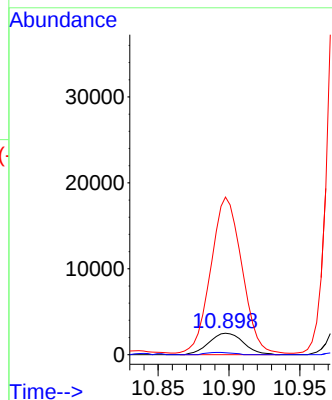
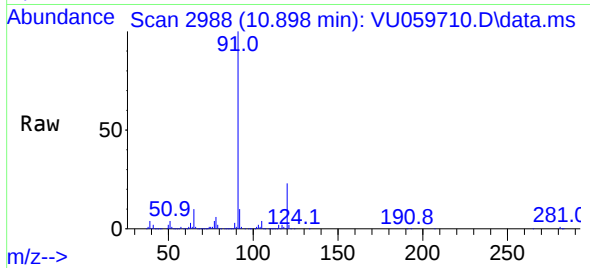




#61
1,2,3-Trichloropropane
Concen: 0.394 ug/L
RT: 10.898 min Scan# 2963
Delta R.T. 0.081 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

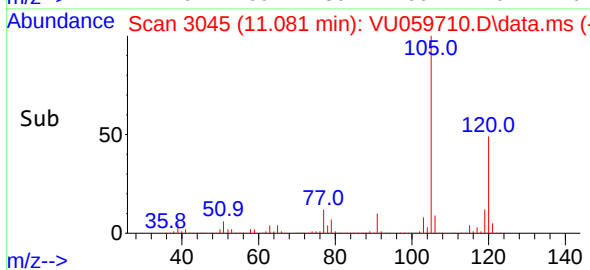
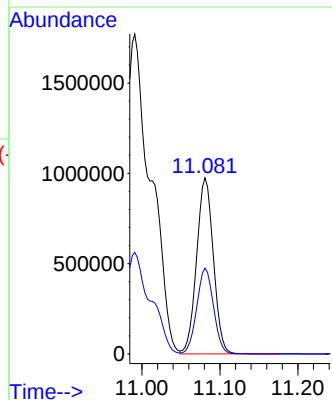
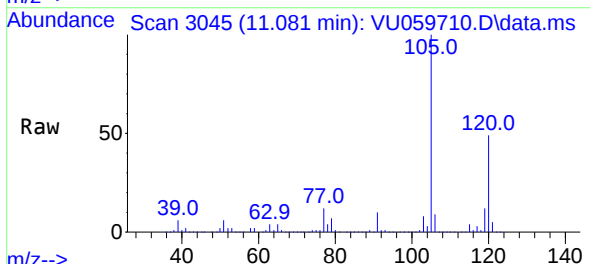
Instrument :
MSVOA_U
ClientSampleId :

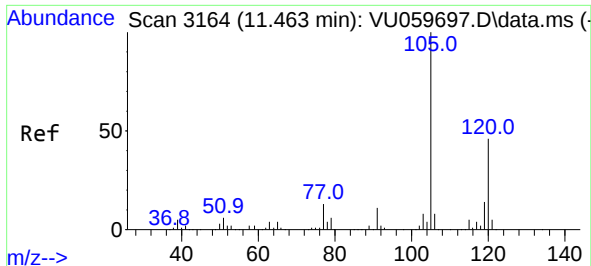
Tgt Ion: 75 Resp: 4239
Ion Ratio Lower Upper
75 100
110 8.0 27.1 40.7#
77 650.5 25.4 38.2#



#62
1,3,5-Trimethylbenzene
Concen: 25.533 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.003 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Tgt Ion:105 Resp: 1454868
Ion Ratio Lower Upper
105 100
120 48.5 38.2 57.4

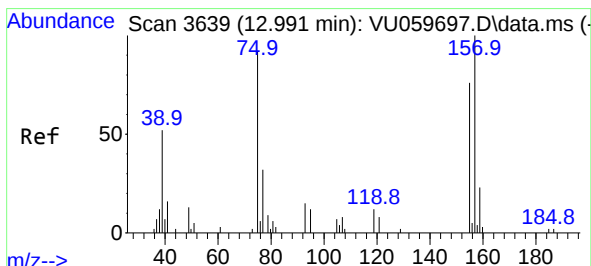
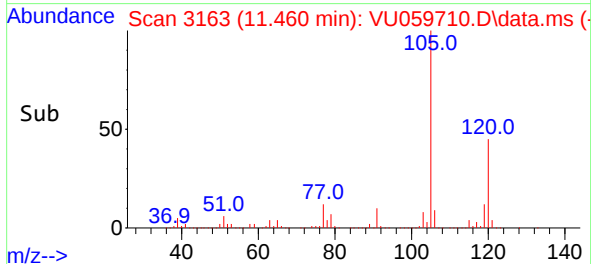
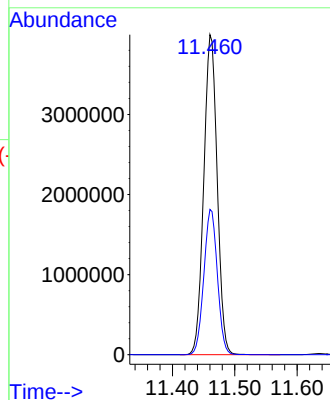
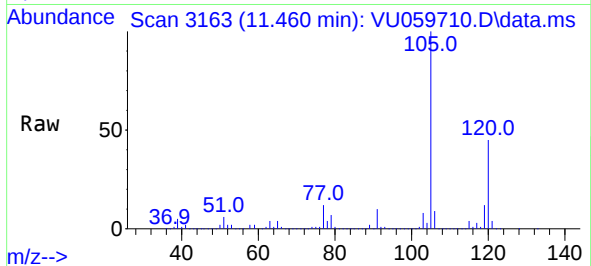




#63
1,2,4-Trimethylbenzene
Concen: 109.839 ug/L
RT: 11.460 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

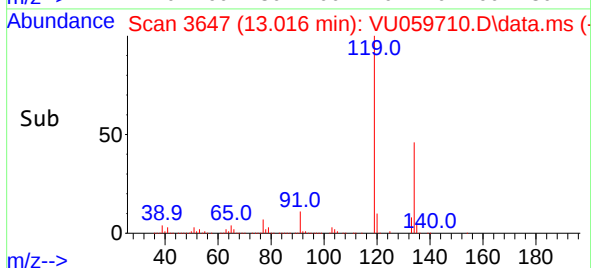
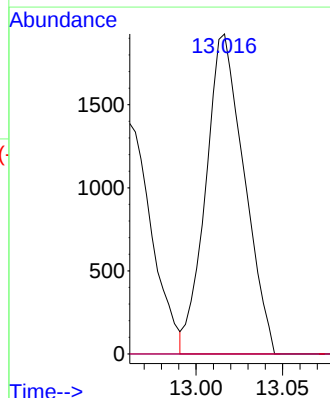
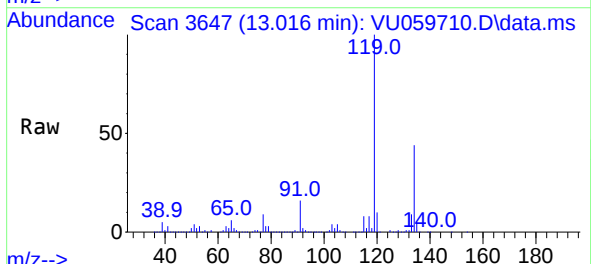
Instrument :
MSVOA_U
ClientSampleId :

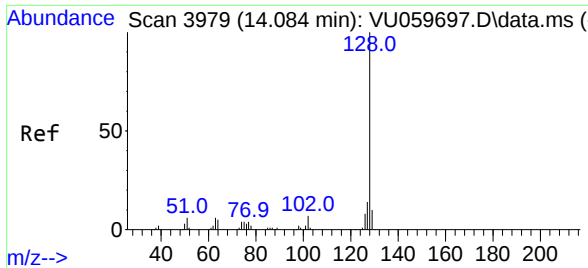
Tgt Ion:105 Resp: 5983601
Ion Ratio Lower Upper
105 100
120 45.7 35.4 53.0



#68
1,2-Dibromo-3-chloropropane
Concen: 1.414 ug/L
RT: 13.016 min Scan# 3647
Delta R.T. 0.026 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

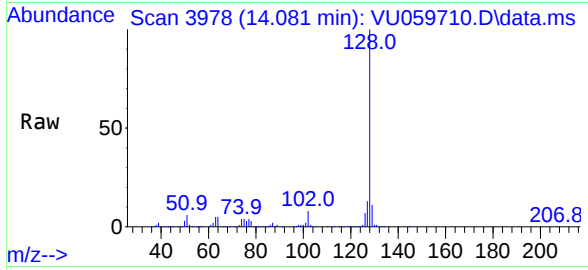
Tgt Ion: 75 Resp: 2967
Ion Ratio Lower Upper
75 100
155 0.0 58.2 87.2#
157 0.0 80.0 120.0#





#71
Naphthalene
Concen: 8.141 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. -0.003 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 242038
Ion Ratio Lower Upper
128 100
129 11.9 8.2 12.4
127 13.3 10.2 15.4

