

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U071224\
 Data File : U059920.D
 Acq On : 12 Jul 2024 14:39
 Operator : MD/SY
 Sample : P3217-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 13 03:56:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 13 03:52:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	153679	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	159998	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	89799	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	53160	4.975	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.400%
7) Chloroethane-d5	1.901	69	43535	4.234	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.600%
11) 1,1-Dichloroethene-d2	2.551	65	21567	4.865	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.200%
20) 2-Butanone-d5	4.689	46	91390	41.519	ug/L	0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.040%
24) Chloroform-d	5.052	84	83802	3.821	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.400%
26) 1,2-Dichloroethane-d4	5.695	65	41844	3.960	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.200%
32) Benzene-d6	5.714	84	171130	3.886	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.800%
36) 1,2-Dichloropropane-d6	6.682	67	52348	3.880	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.600%
41) Toluene-d8	7.891	98	146741	3.585	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.600%
43) trans-1,3-Dichloroprop...	8.174	79	17827	4.219	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.400%
46) 2-Hexanone-d5	8.637	63	81115	46.205	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.400%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	45868	4.114	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	66016	4.130	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.589	62	5421	0.350	ug/L	85
22) cis-1,2-Dichloroethene	4.653	96	11052	0.885	ug/L	93
33) Benzene	5.766	78	19875	0.409	ug/L	100
35) Methylcyclohexane	6.682	83	12793	0.683	ug/L #	20
37) 1,2-Dichloropropane	6.682	63	5925	0.471	ug/L #	87
42) Toluene	7.965	91	32171	0.625	ug/L	99
45) 1,1,2-Trichloroethane	8.267	97	3685	0.398	ug/L #	14
52) Ethylbenzene	9.566	91	15941	0.302	ug/L	94
53) m,p-Xylene	9.688	106	8123	0.401	ug/L	91
54) o-Xylene	10.094	106	13118	0.682	ug/L	95
60) Isopropylbenzene	10.991	105	38435	0.693	ug/L #	83
61) 1,2,3-Trichloropropane	11.460	75	4276	0.515	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.460	105	448982	10.217	ug/L	97
63) 1,2,4-Trimethylbenzene	11.460	105	448982	10.686	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	6634	0.235	ug/L	96
65) 1,4-Dichlorobenzene	11.830	146	23732	0.817	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	107142	4.035	ug/L	97
68) 1,2-Dibromo-3-chloropr...	13.020	75	1705	1.053	ug/L #	6
69) 1,3,5-Trichlorobenzene	13.833	180	11735	0.562	ug/L #	70

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jul 13 03:52:33 2024
Response via : Initial Calibration

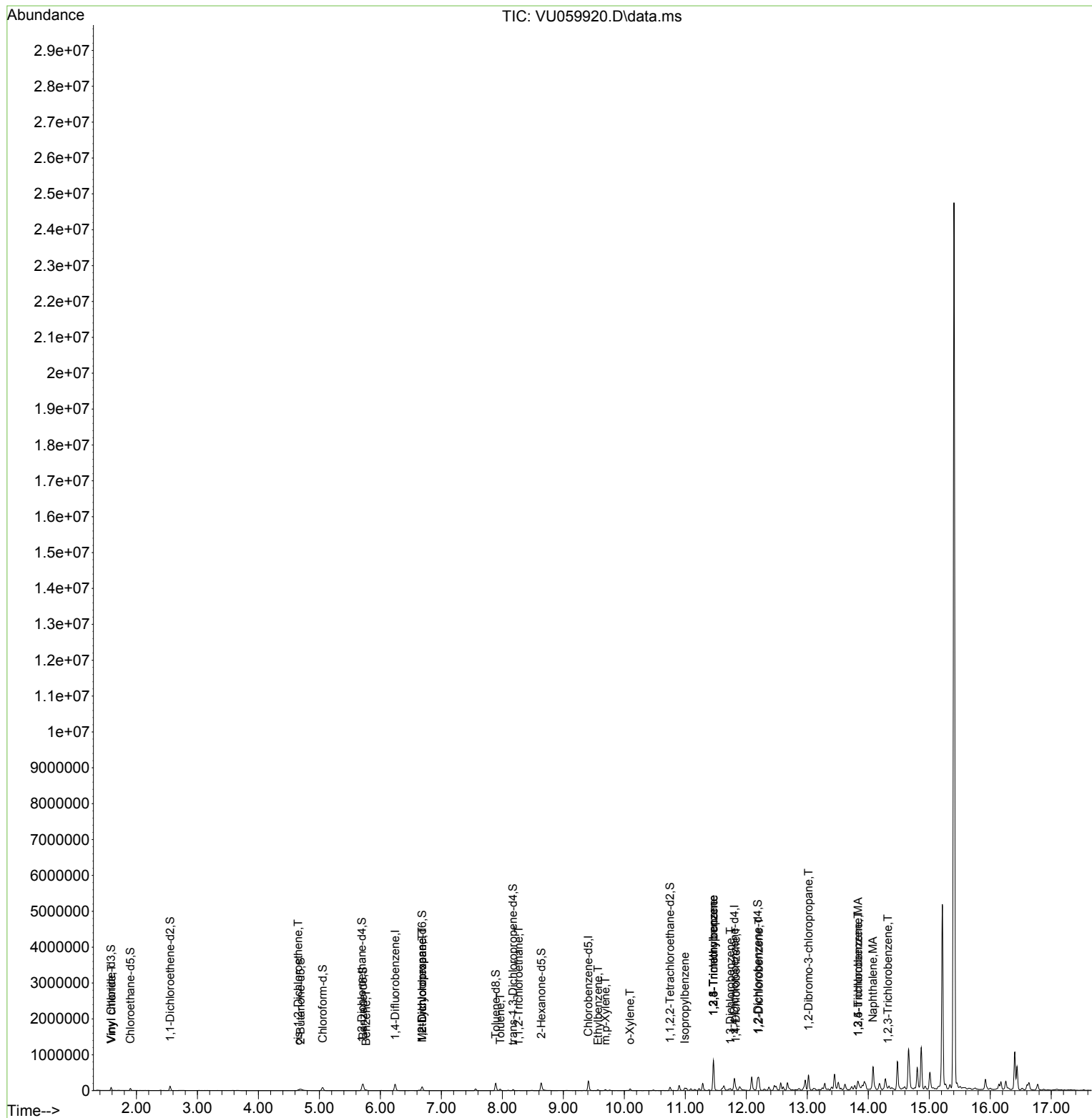
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.833	180	11735	0.732	ug/L #	64
71) Naphthalene	14.077	128	525048	22.897	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	3068	0.206	ug/L #	1

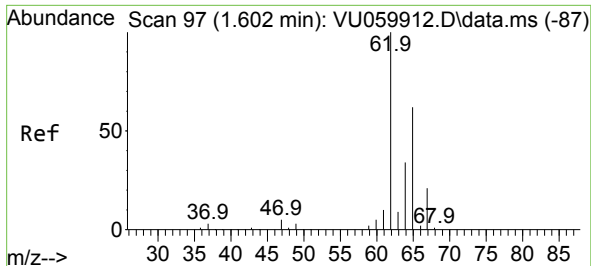
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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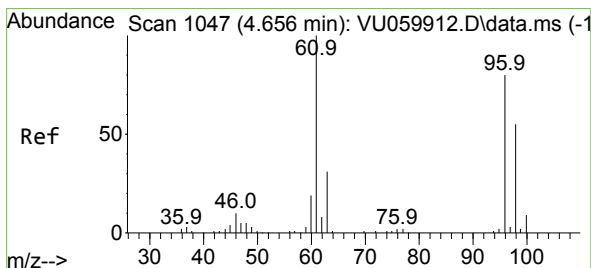
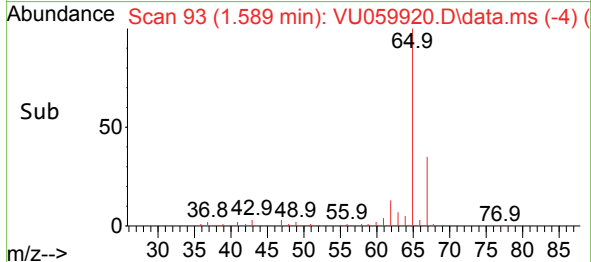
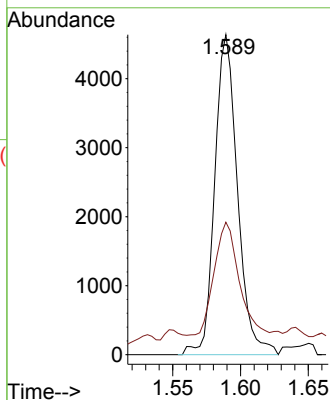
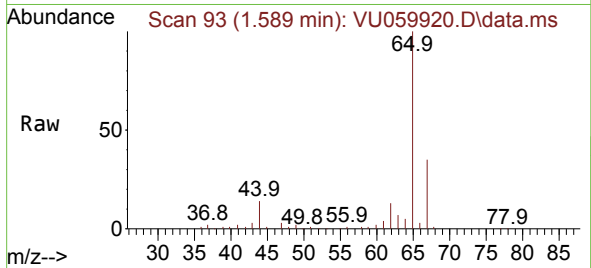




#5
 Vinyl chloride
 Concen: 0.350 ug/L
 RT: 1.589 min Scan# 91
 Delta R.T. -0.013 min
 Lab File: VU059920.D
 Acq: 12 Jul 2024 14:39

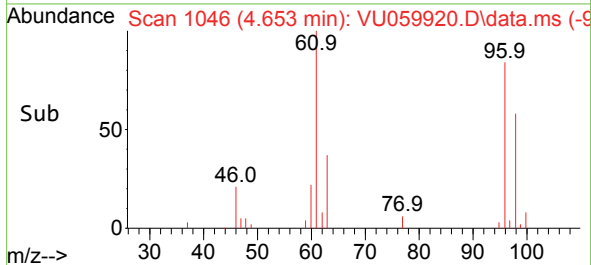
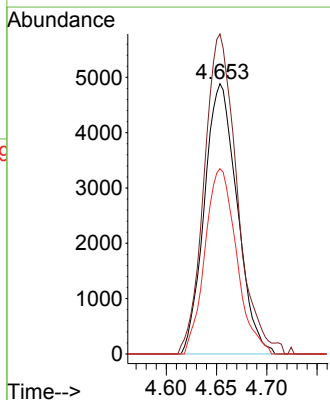
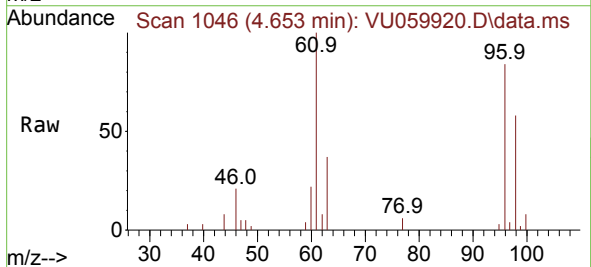
Instrument :
 MSVOA_U
 ClientSampleId :

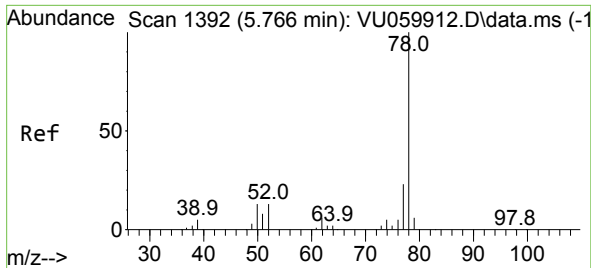
Tgt Ion: 62 Resp: 5421
 Ion Ratio Lower Upper
 62 100
 64 41.4 23.1 42.9



#22
 cis-1,2-Dichloroethene
 Concen: 0.885 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. -0.003 min
 Lab File: VU059920.D
 Acq: 12 Jul 2024 14:39

Tgt Ion: 96 Resp: 11052
 Ion Ratio Lower Upper
 96 100
 61 118.4 87.4 162.2
 98 68.6 42.3 78.5

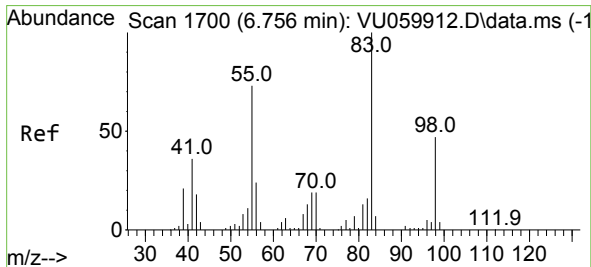
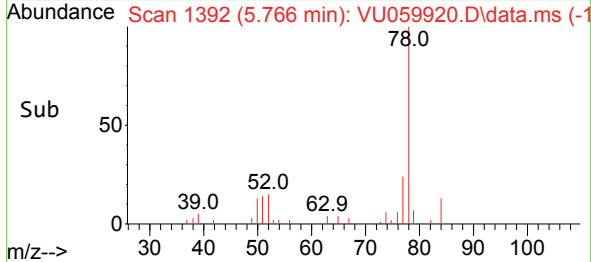
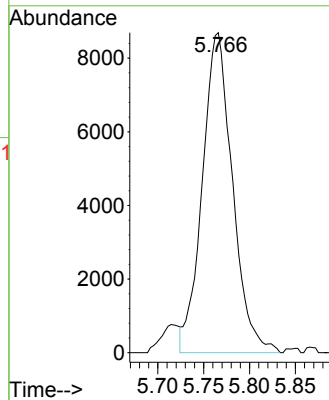
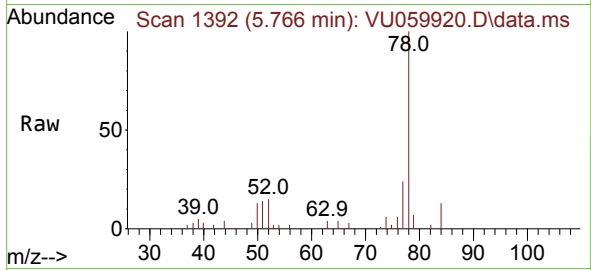




#33
Benzene
Concen: 0.409 ug/L
RT: 5.766 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU059920.D
Acq: 12 Jul 2024 14:39

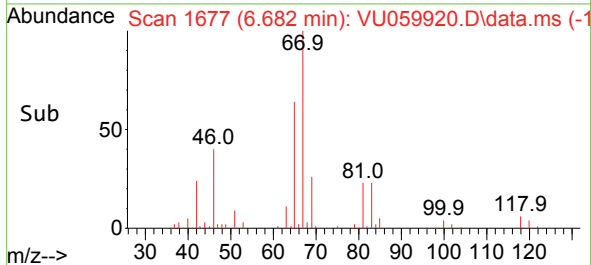
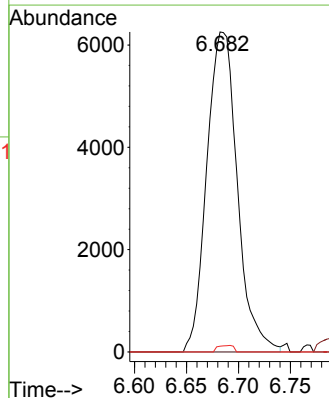
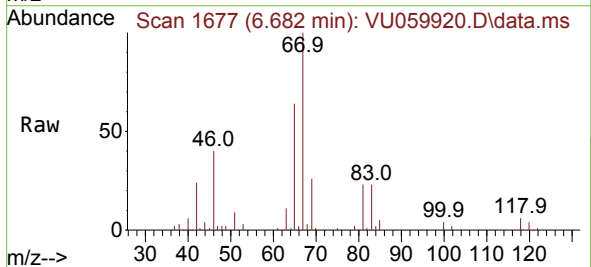
Instrument :
MSVOA_U
ClientSampleId :

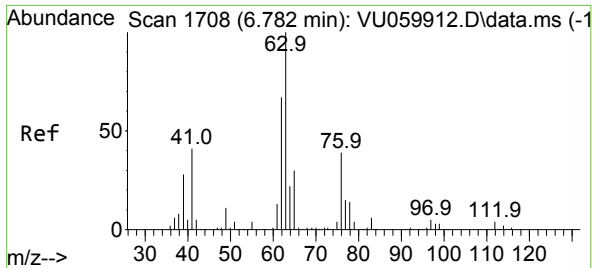
Tgt Ion: 78 Resp: 19875



#35
Methylcyclohexane
Concen: 0.683 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU059920.D
Acq: 12 Jul 2024 14:39

Tgt Ion: 83 Resp: 12793
Ion Ratio Lower Upper
83 100
55 2.4 62.7 94.1#
98 1.0 35.4 53.0#

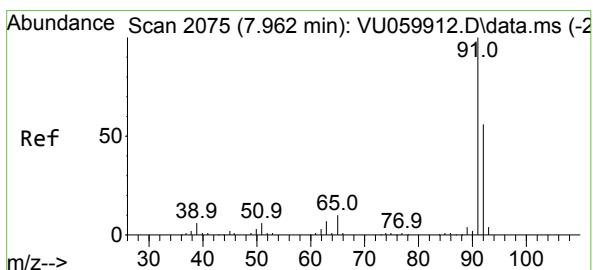
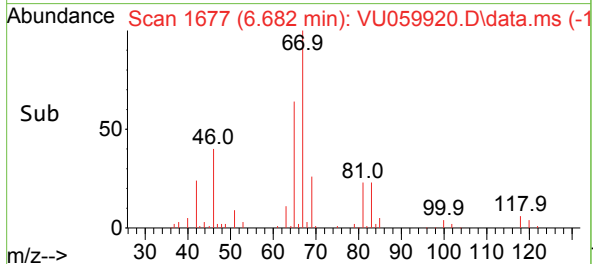
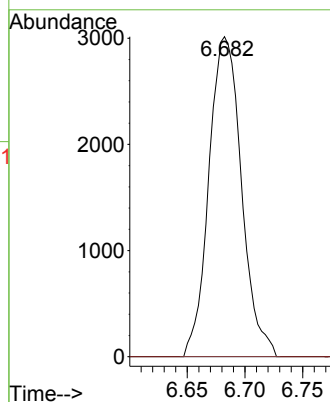
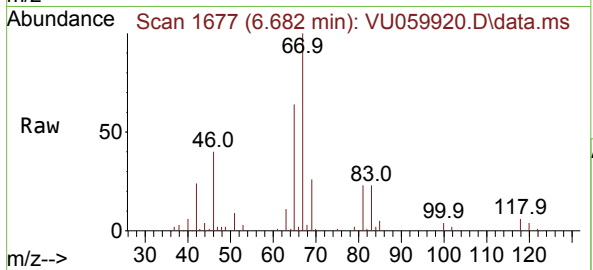




#37
1,2-Dichloropropane
Concen: 0.471 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.099 min
Lab File: VU059920.D
Acq: 12 Jul 2024 14:39

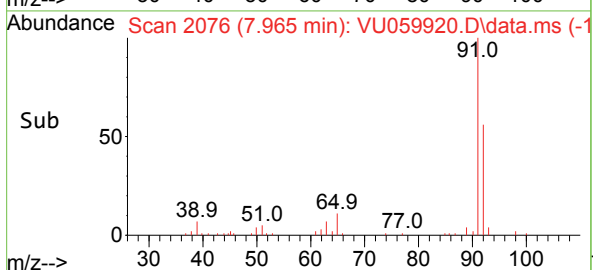
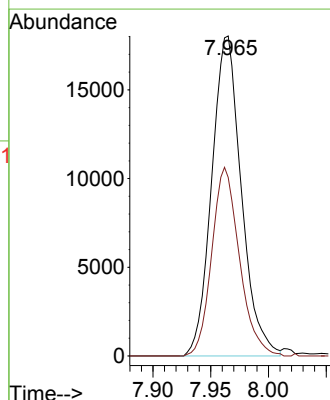
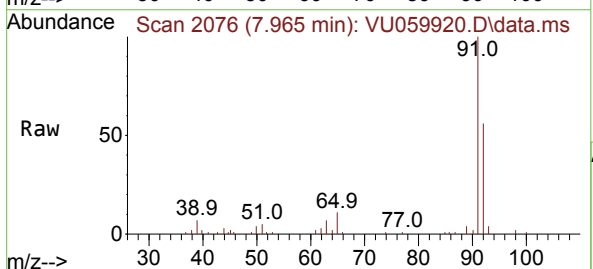
Instrument :
MSVOA_U
ClientSampleId :

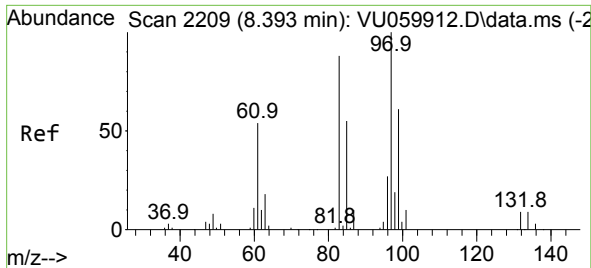
Tgt Ion: 63 Resp: 5925
Ion Ratio Lower Upper
63 100
112 7.6 2.6 3.8#



#42
Toluene
Concen: 0.625 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU059920.D
Acq: 12 Jul 2024 14:39

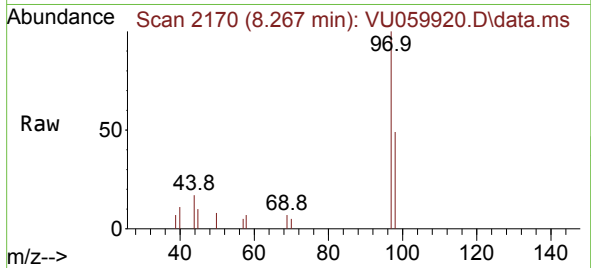
Tgt Ion: 91 Resp: 32171
Ion Ratio Lower Upper
91 100
92 55.8 39.7 73.7



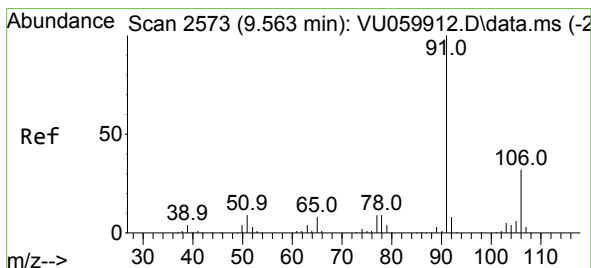
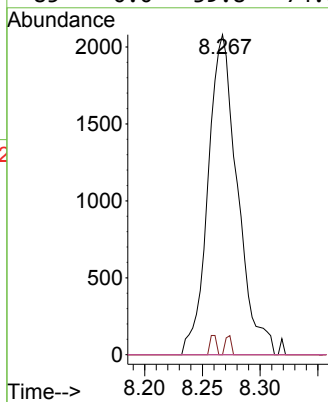
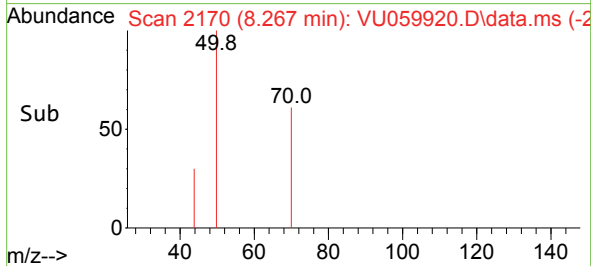


#45
1,1,2-Trichloroethane
Concen: 0.398 ug/L
RT: 8.267 min Scan# 2170
Delta R.T. -0.125 min
Lab File: VU059920.D
Acq: 12 Jul 2024 14:39

Instrument :
MSVOA_U
ClientSampleId :

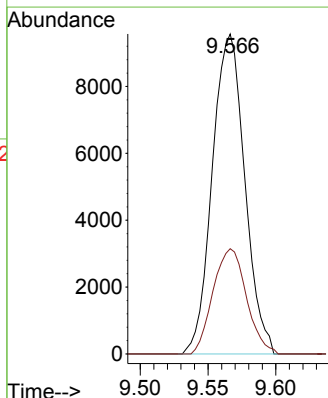
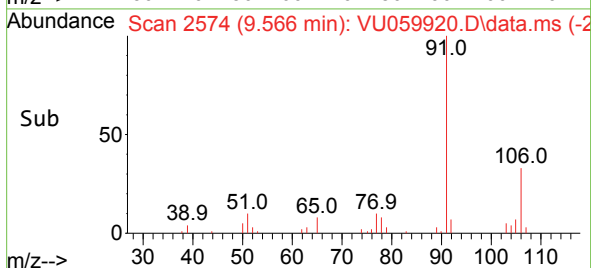
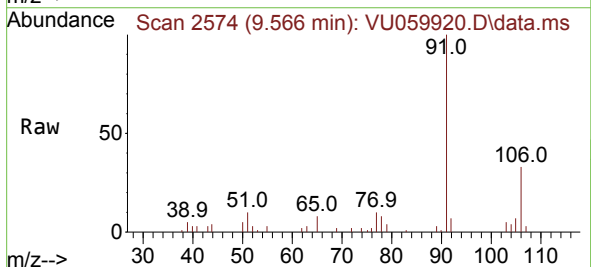


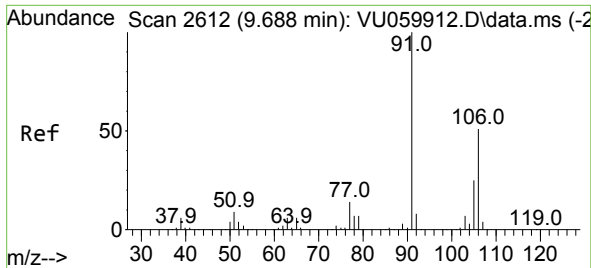
Tgt Ion: 97	Resp: 3685
Ion Ratio	Lower Upper
97 100	
99 0.0	43.3 80.3#
83 0.0	62.3 115.7#
85 0.0	39.8 74.0#



#52
Ethylbenzene
Concen: 0.302 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU059920.D
Acq: 12 Jul 2024 14:39

Tgt Ion: 91	Resp: 15941
Ion Ratio	Lower Upper
91 100	
106 32.9	20.9 38.7

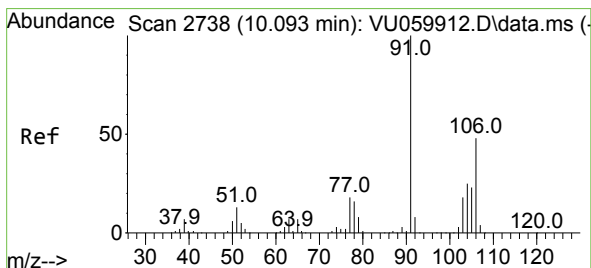
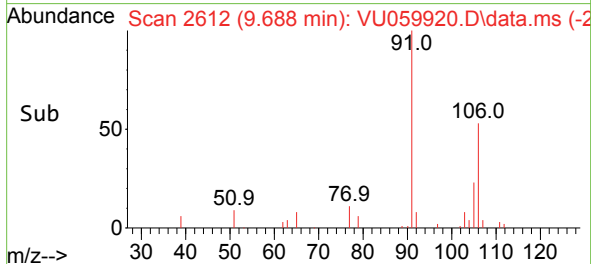
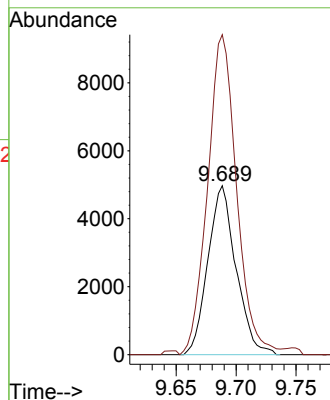
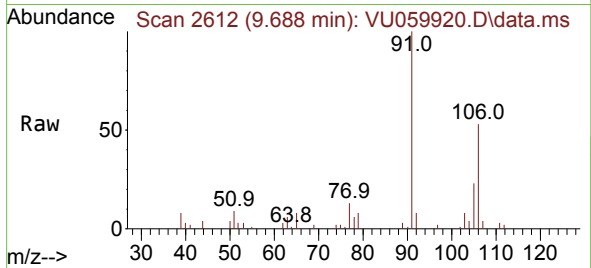




#53
m,p-Xylene
Concen: 0.401 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059920.D
Acq: 12 Jul 2024 14:39

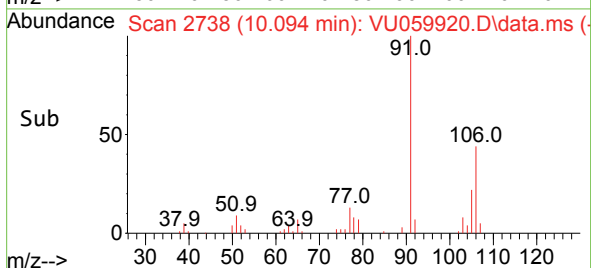
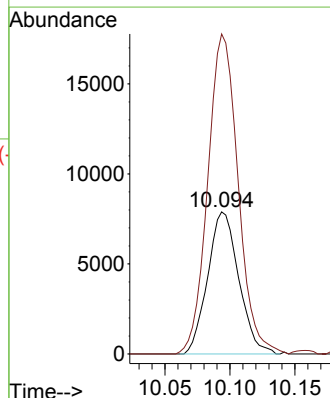
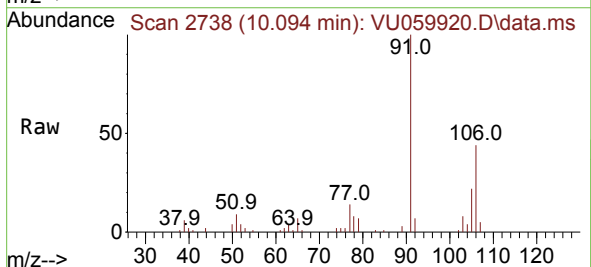
Instrument :
MSVOA_U
ClientSampleId :

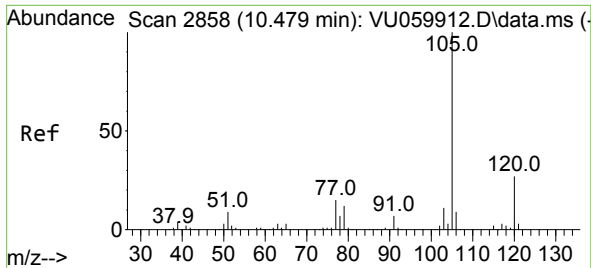
Tgt Ion:106 Resp: 8123
Ion Ratio Lower Upper
106 100
91 189.5 142.0 263.8



#54
o-Xylene
Concen: 0.682 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU059920.D
Acq: 12 Jul 2024 14:39

Tgt Ion:106 Resp: 13118
Ion Ratio Lower Upper
106 100
91 225.2 151.6 281.6

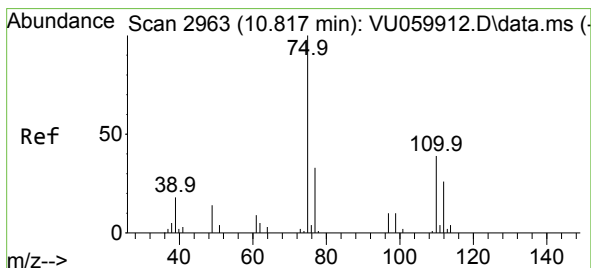
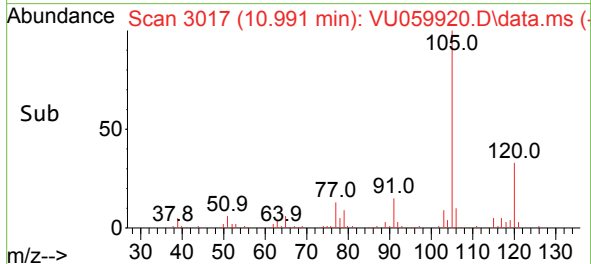
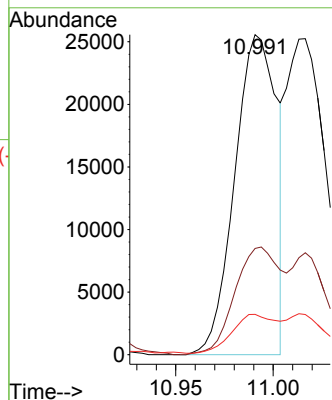
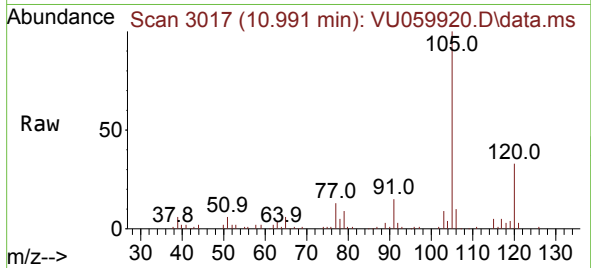




#60
Isopropylbenzene
Concen: 0.693 ug/L
RT: 10.991 min Scan# 3107
Delta R.T. 0.511 min
Lab File: VU059920.D
Acq: 12 Jul 2024 14:39

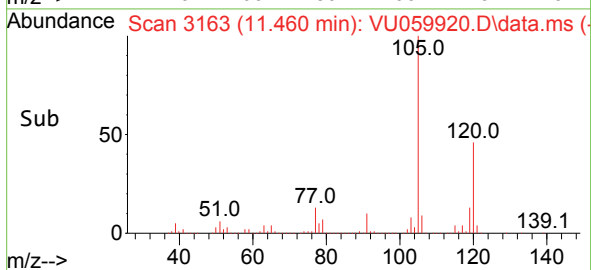
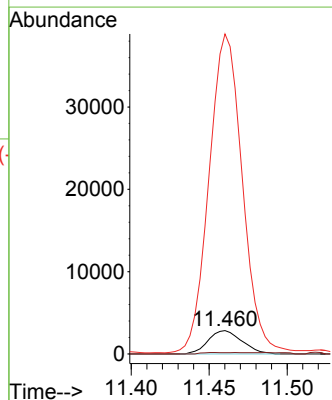
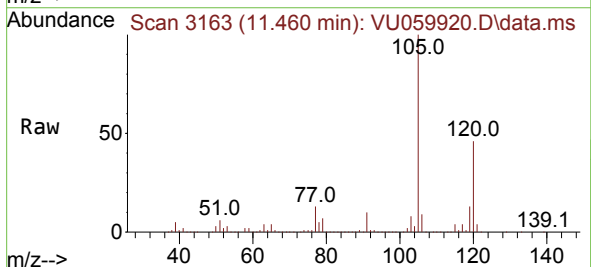
Instrument :
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ClientSampleId :

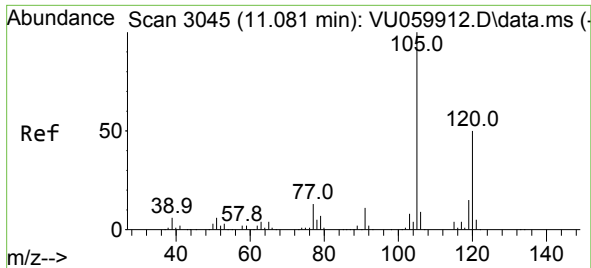
Tgt Ion:105 Resp: 38435
Ion Ratio Lower Upper
105 100
120 37.3 20.6 31.0#
77 12.7 12.8 19.2#



#61
1,2,3-Trichloropropane
Concen: 0.515 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.643 min
Lab File: VU059920.D
Acq: 12 Jul 2024 14:39

Tgt Ion: 75 Resp: 4276
Ion Ratio Lower Upper
75 100
110 4.0 27.1 40.7#
77 1344.4 25.4 38.2#

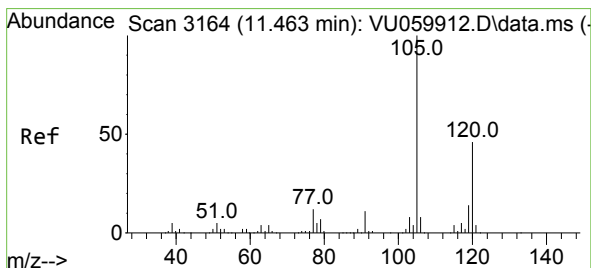
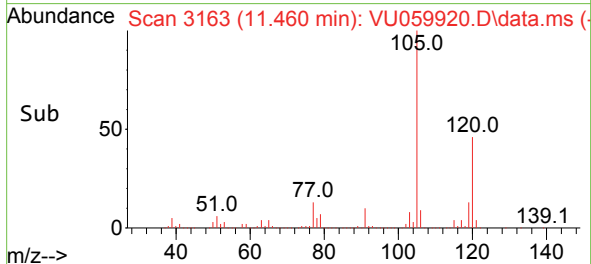
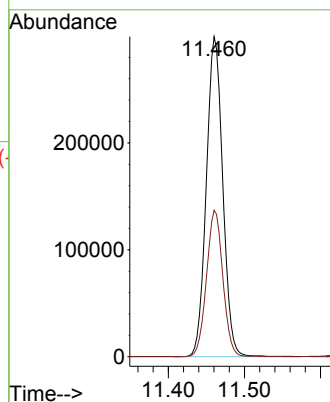
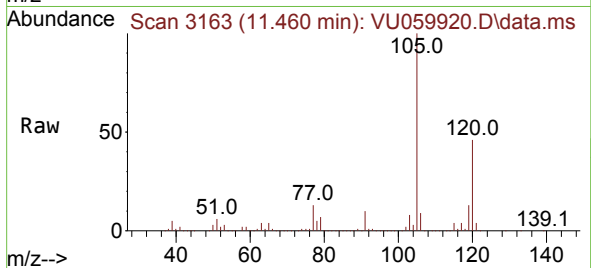




#62
 1,3,5-Trimethylbenzene
 Concen: 10.217 ug/L
 RT: 11.460 min Scan# 3163
 Delta R.T. 0.380 min
 Lab File: VU059920.D
 Acq: 12 Jul 2024 14:39

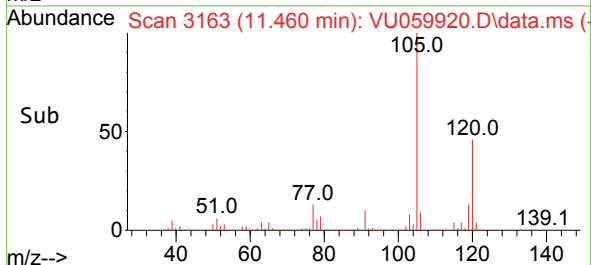
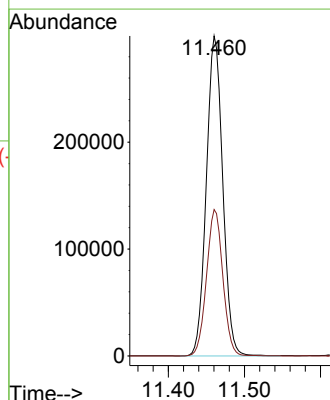
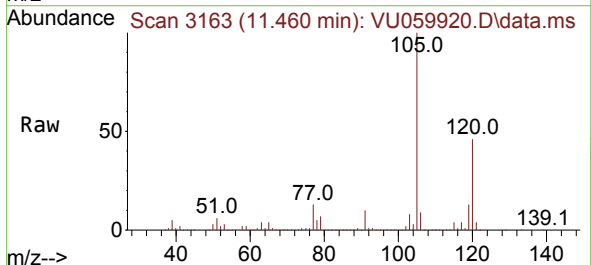
Instrument :
 MSVOA_U
 ClientSampleId :

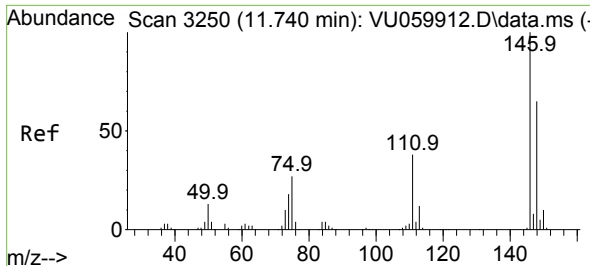
Tgt Ion:105 Resp: 448982
 Ion Ratio Lower Upper
 105 100
 120 45.6 38.2 57.4



#63
 1,2,4-Trimethylbenzene
 Concen: 10.686 ug/L
 RT: 11.460 min Scan# 3163
 Delta R.T. -0.003 min
 Lab File: VU059920.D
 Acq: 12 Jul 2024 14:39

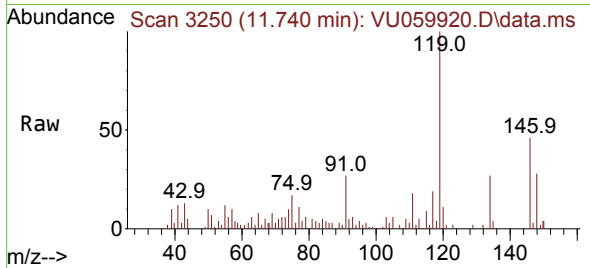
Tgt Ion:105 Resp: 448982
 Ion Ratio Lower Upper
 105 100
 120 45.6 35.4 53.0



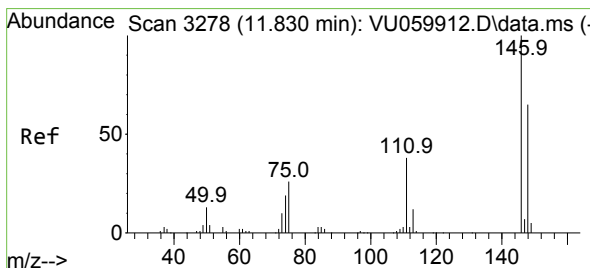
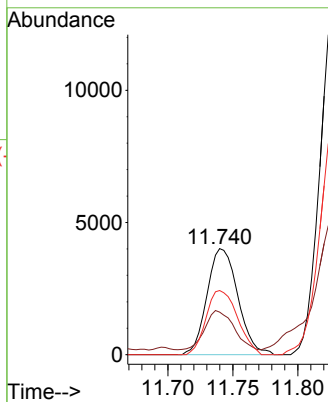
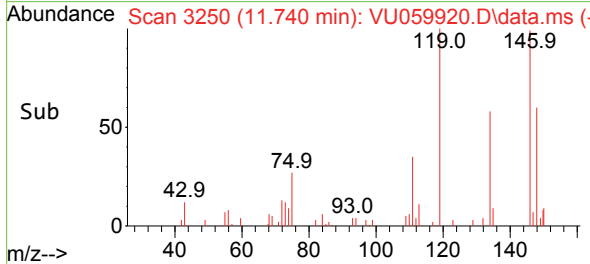


#64
1,3-Dichlorobenzene
Concen: 0.235 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU059920.D
Acq: 12 Jul 2024 14:39

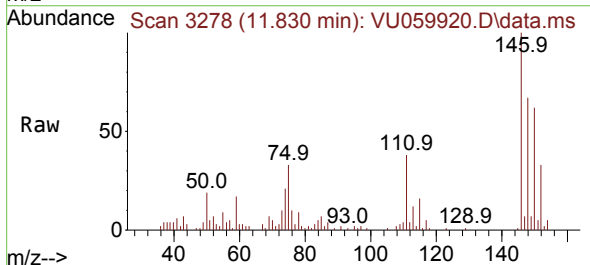
Instrument :
MSVOA_U
ClientSampleId :



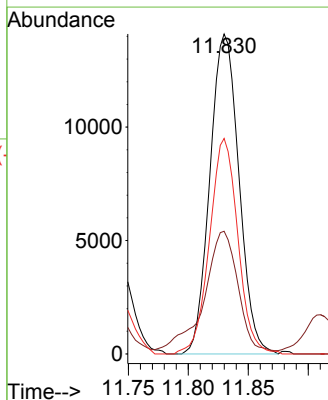
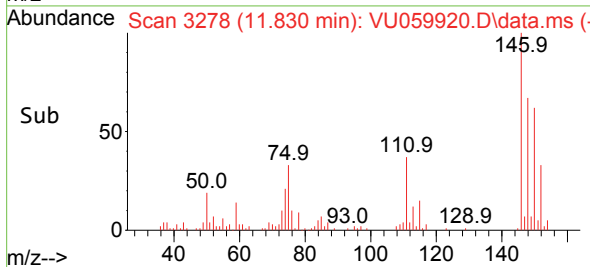
Tgt Ion:146 Resp: 6634
Ion Ratio Lower Upper
146 100
111 40.1 27.4 51.0
148 60.5 45.0 83.6

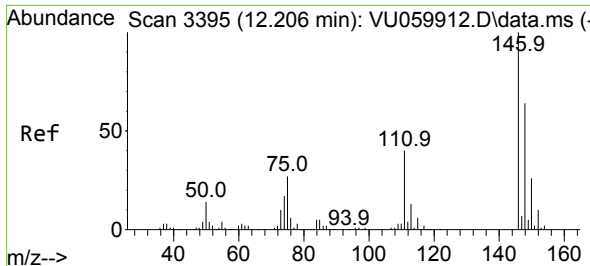


#65
1,4-Dichlorobenzene
Concen: 0.817 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU059920.D
Acq: 12 Jul 2024 14:39



Tgt Ion:146 Resp: 23732
Ion Ratio Lower Upper
146 100
111 38.3 26.9 50.1
148 67.3 45.3 84.1

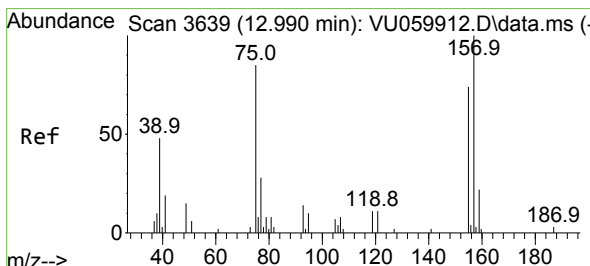
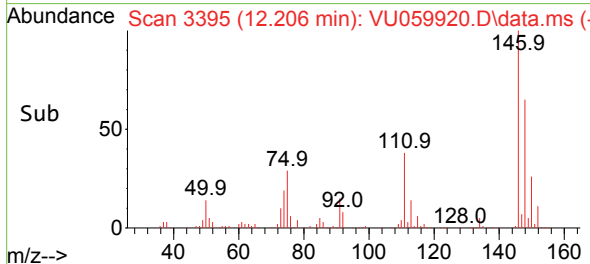
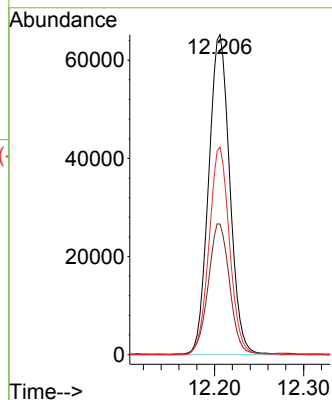
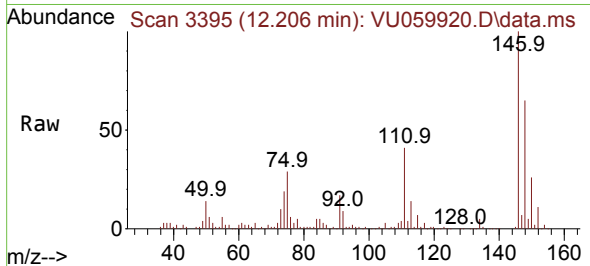




#67
1,2-Dichlorobenzene
Concen: 4.035 ug/L
RT: 12.206 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU059920.D
Acq: 12 Jul 2024 14:39

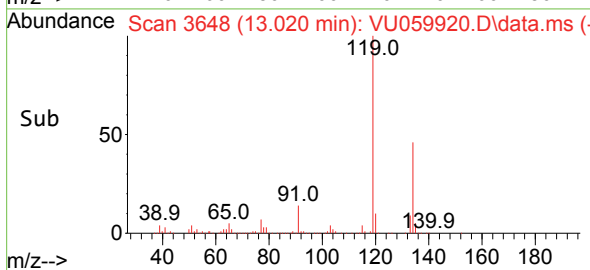
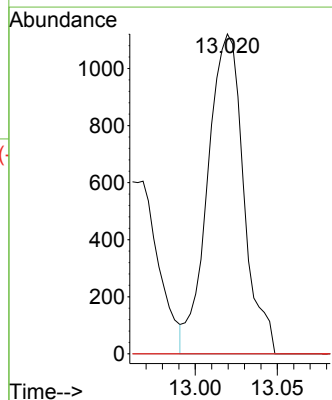
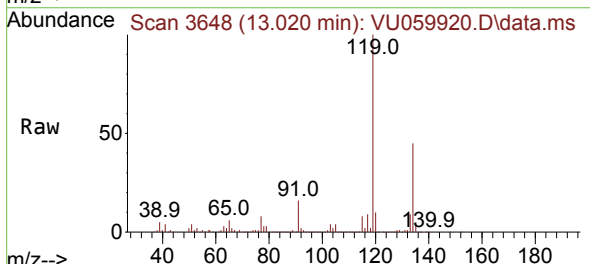
Instrument :
MSVOA_U
ClientSampleId :

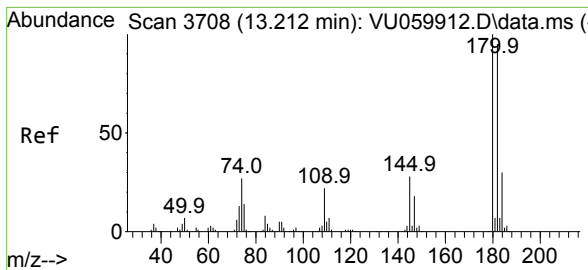
Tgt Ion:146 Resp: 107142
Ion Ratio Lower Upper
146 100
111 40.8 33.4 50.0
148 64.9 49.7 74.5



#68
1,2-Dibromo-3-chloropropane
Concen: 1.053 ug/L
RT: 13.020 min Scan# 3648
Delta R.T. 0.029 min
Lab File: VU059920.D
Acq: 12 Jul 2024 14:39

Tgt Ion: 75 Resp: 1705
Ion Ratio Lower Upper
75 100
155 0.0 58.2 87.2#
157 0.0 80.0 120.0#

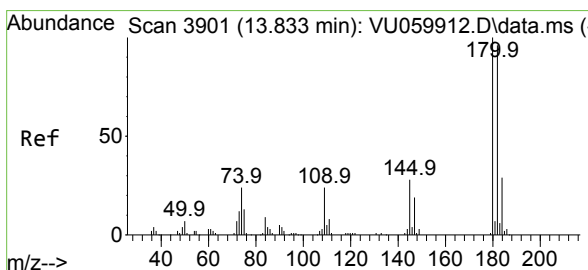
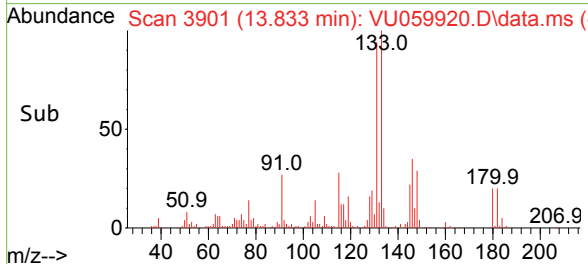
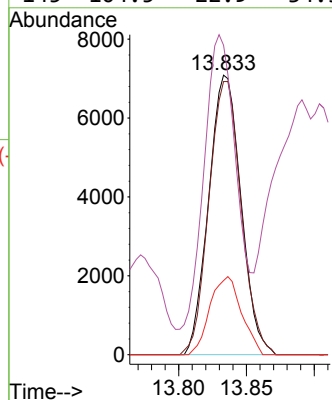
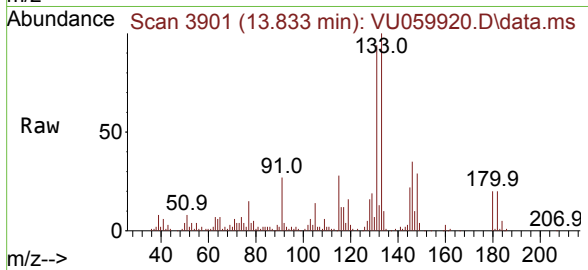




#69
 1,3,5-Trichlorobenzene
 Concen: 0.562 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.621 min
 Lab File: VU059920.D
 Acq: 12 Jul 2024 14:39

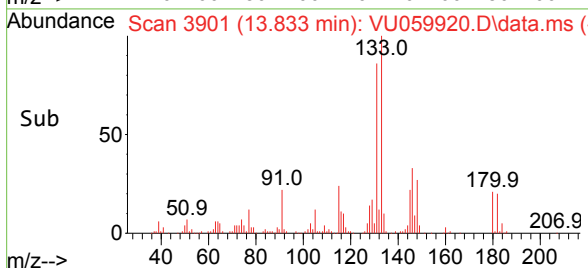
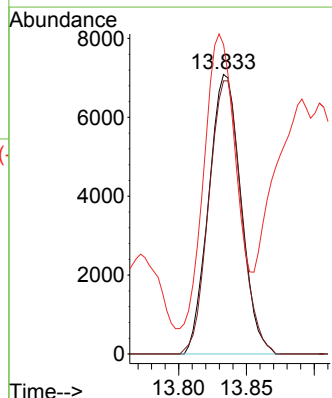
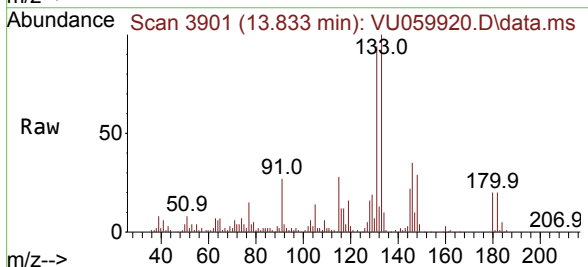
Instrument :
 MSVOA_U
 ClientSampleId :

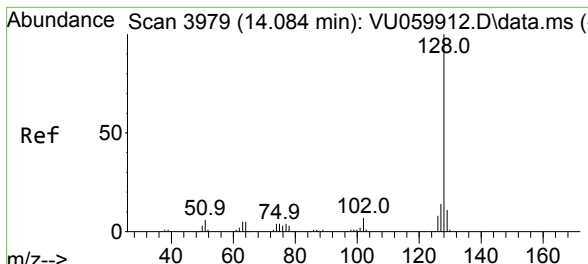
Tgt Ion:180	Resp:	11735
Ion Ratio	Lower	Upper
180	100	
182	97.5	75.4 113.0
184	27.3	23.0 34.6
145	104.5	22.9 34.3#



#70
 1,2,4-trichlorobenzene
 Concen: 0.732 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU059920.D
 Acq: 12 Jul 2024 14:39

Tgt Ion:180	Resp:	11735
Ion Ratio	Lower	Upper
180	100	
182	97.5	74.9 112.3
145	104.5	23.9 35.9#

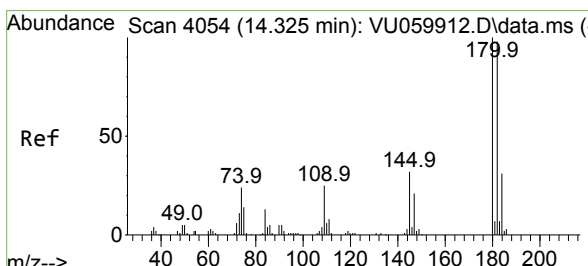
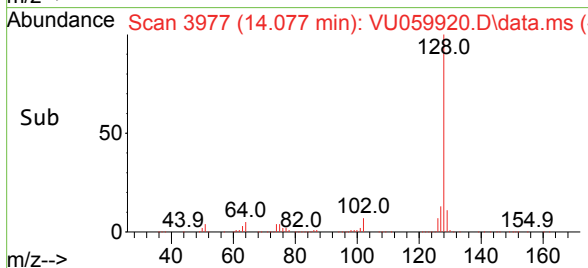
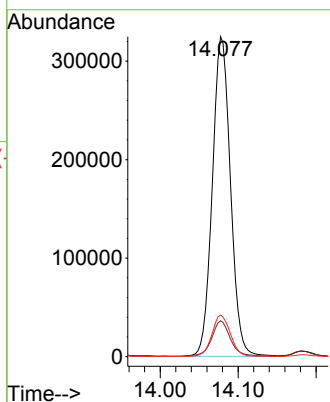
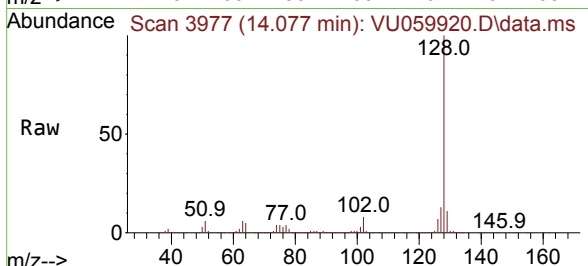




#71
Naphthalene
Concen: 22.897 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.006 min
Lab File: VU059920.D
Acq: 12 Jul 2024 14:39

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 525048
Ion Ratio Lower Upper
128 100
129 11.5 8.2 12.4
127 13.3 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 0.206 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.003 min
Lab File: VU059920.D
Acq: 12 Jul 2024 14:39

Tgt Ion:180 Resp: 3068
Ion Ratio Lower Upper
180 100
182 96.6 77.0 115.6
145 614.5 26.2 39.4#

