

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U070824\
 Data File : U059876.D
 Acq On : 08 Jul 2024 12:20
 Operator : MD/SY
 Sample : P3137-17
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 09 02:35:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jul 09 02:28:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	153791	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	169312	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	87715	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	38777	3.626	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.600%
7) Chloroethane-d5	1.908	69	37654	3.659	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.200%
11) 1,1-Dichloroethene-d2	2.557	65	15713	3.542	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.800%
20) 2-Butanone-d5	4.634	46	99297	45.078	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.160%
24) Chloroform-d	5.055	84	86077	3.922	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.400%
26) 1,2-Dichloroethane-d4	5.695	65	44307	4.190	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
32) Benzene-d6	5.721	84	168753	3.622	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.400%
36) 1,2-Dichloropropane-d6	6.682	67	57306	4.013	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.200%
41) Toluene-d8	7.891	98	156806	3.620	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.400%
43) trans-1,3-Dichloroprop...	8.174	79	20335	4.548	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.628	63	99084	53.335	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.680%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	52626	4.461	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	67381	4.316	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	24546	1.584	ug/L	99
12) 1,1-Dichloroethene	2.573	96	10778	0.988	ug/L #	39
13) Acetone	2.647	43	11649	8.152	ug/L	74
18) trans-1,2-Dichloroethene	3.345	96	123075	10.850	ug/L	91
19) 1,1-Dichloroethane	3.859	63	26233	1.254	ug/L	97
22) cis-1,2-Dichloroethene	4.657	96	8586748	686.759	ug/L	96
30) Cyclohexane	5.386	56	1084	0.063	ug/L #	78
33) Benzene	5.766	78	42315	0.823	ug/L	100
34) Trichloroethene	6.538	95	34048	2.445	ug/L	96
35) Methylcyclohexane	6.682	83	13598	0.686	ug/L #	20
37) 1,2-Dichloropropane	6.689	63	5847	0.439	ug/L	98
39) cis-1,3-Dichloropropene	7.570	75	11614	0.638	ug/L #	67
40) 4-Methyl-2-pentanone	7.708	43	8272	1.342	ug/L #	48
42) Toluene	7.968	91	8160	0.150	ug/L	93
44) trans-1,3-Dichloropropene	8.306	75	34983	2.395	ug/L #	82
52) Ethylbenzene	9.566	91	5888	0.105	ug/L	99
53) m,p-Xylene	9.692	106	2155	0.100	ug/L	89
54) o-Xylene	10.097	106	4357	0.214	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.782	83	1186	0.100	ug/L #	72

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Response via : Initial Calibration

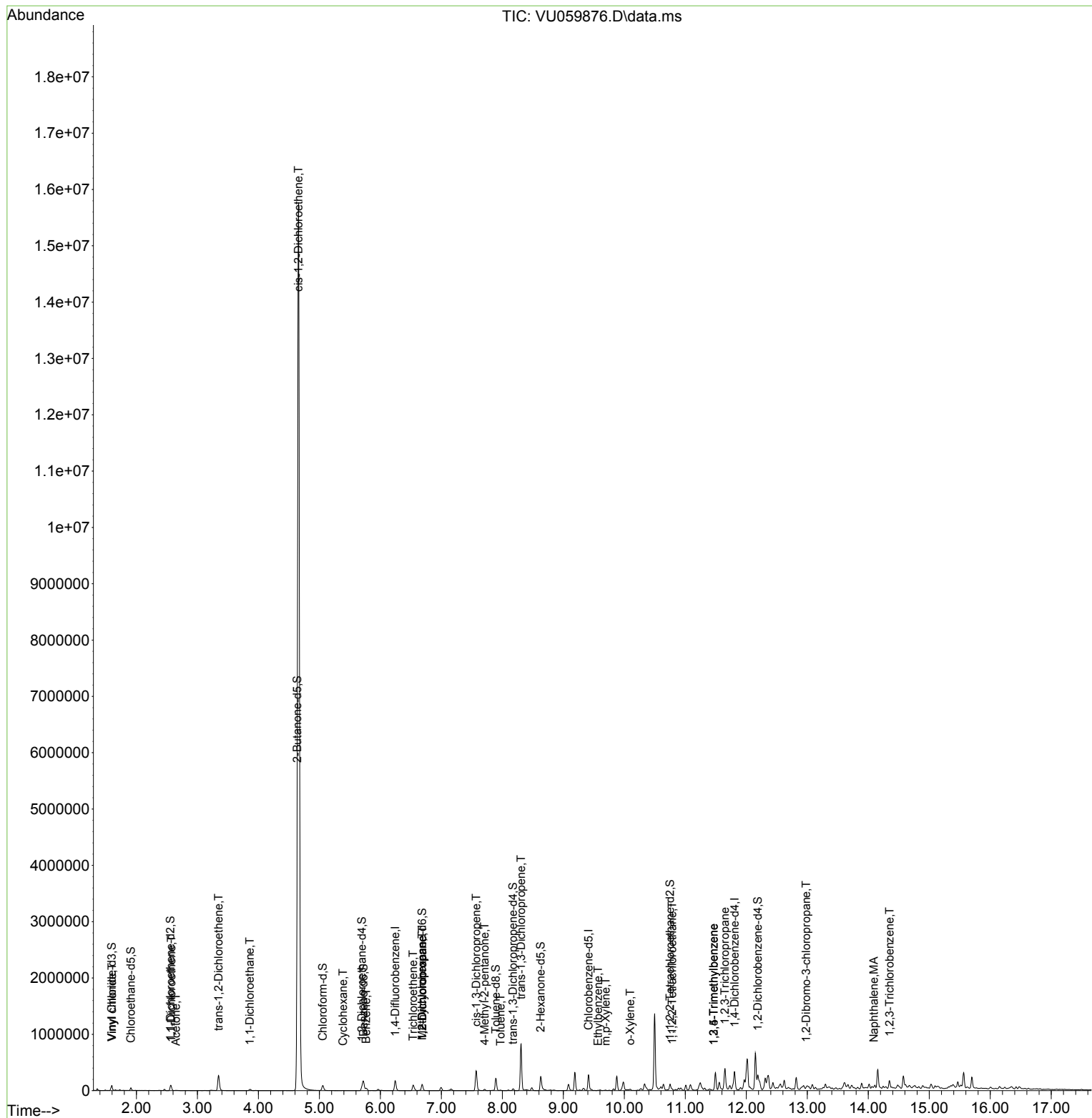
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.650	75	16515	2.037	ug/L	94
62) 1,3,5-Trimethylbenzene	11.463	105	3679	0.086	ug/L	93
63) 1,2,4-Trimethylbenzene	11.463	105	3679	0.090	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.981	75	447	0.283	ug/L #	67
71) Naphthalene	14.090	128	6418	0.287	ug/L #	2
72) 1,2,3-Trichlorobenzene	14.348	180	17066	1.174	ug/L #	14

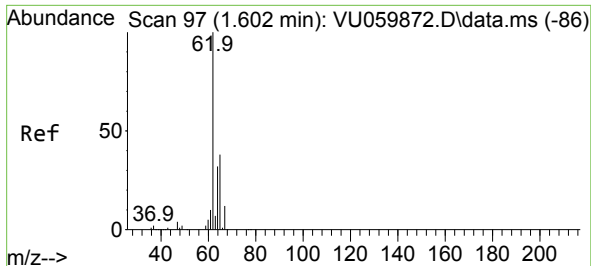
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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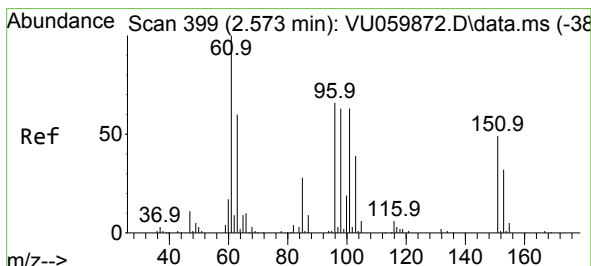
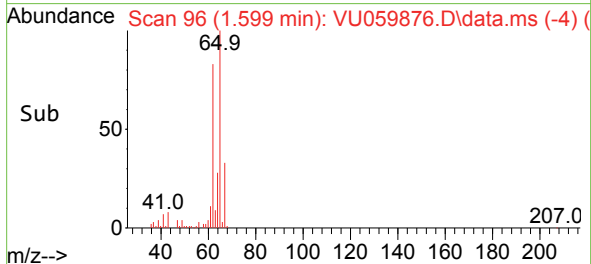
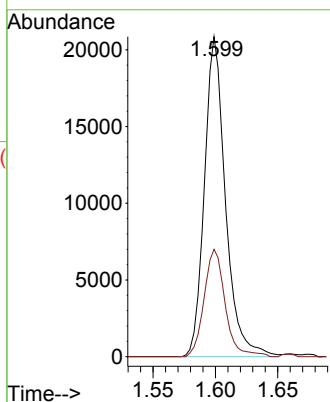
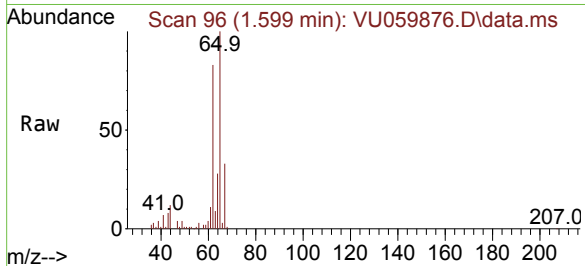




#5
Vinyl chloride
Concen: 1.584 ug/L
RT: 1.599 min Scan# 90
Delta R.T. -0.003 min
Lab File: VU059876.D
Acq: 08 Jul 2024 12:20

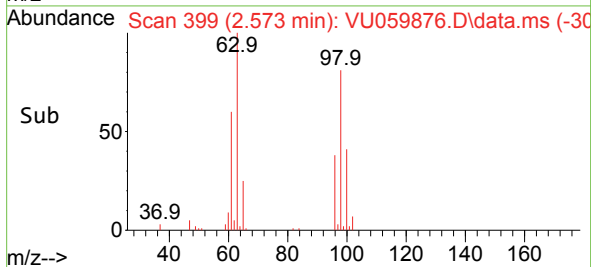
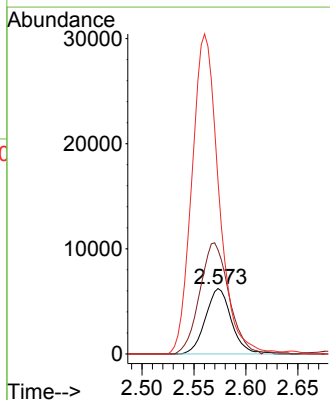
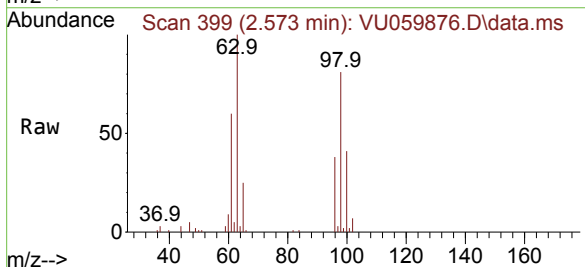
Instrument :
MSVOA_U
ClientSampleId :

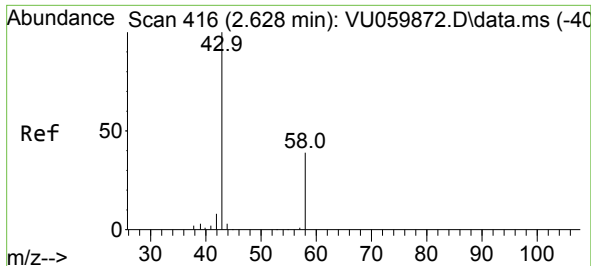
Tgt Ion: 62 Resp: 24546
Ion Ratio Lower Upper
62 100
64 33.5 23.1 42.9



#12
1,1-Dichloroethene
Concen: 0.988 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU059876.D
Acq: 08 Jul 2024 12:20

Tgt Ion: 96 Resp: 10778
Ion Ratio Lower Upper
96 100
61 159.1 122.9 228.3
63 263.6 80.4 149.4#





#13

Acetone

Concen: 8.152 ug/L

RT: 2.647 min Scan# 41

Delta R.T. 0.019 min

Lab File: VU059876.D

Acq: 08 Jul 2024 12:20

Instrument :

MSVOA_U

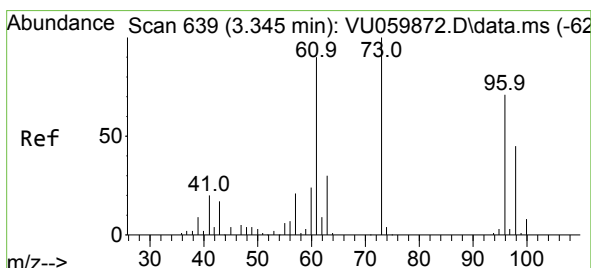
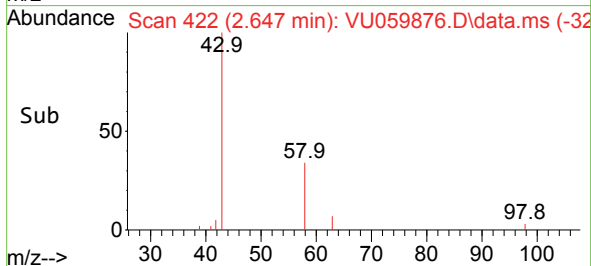
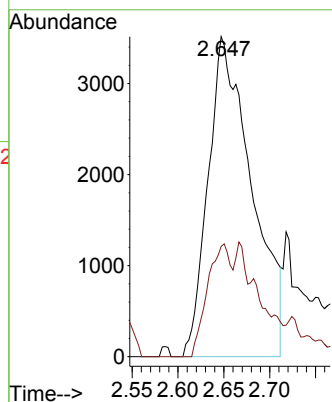
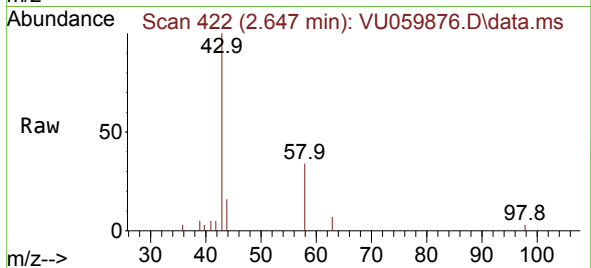
ClientSampleId :

Tgt Ion: 43 Resp: 11649

Ion Ratio Lower Upper

43 100

58 19.3 0.0 68.0



#18

trans-1,2-Dichloroethene

Concen: 10.850 ug/L

RT: 3.345 min Scan# 639

Delta R.T. 0.000 min

Lab File: VU059876.D

Acq: 08 Jul 2024 12:20

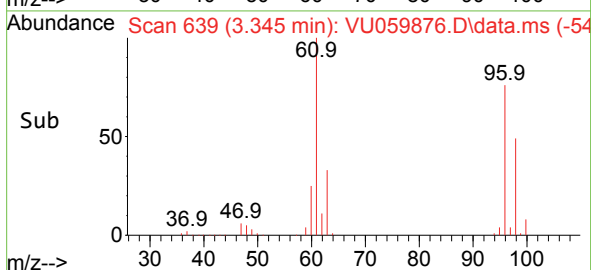
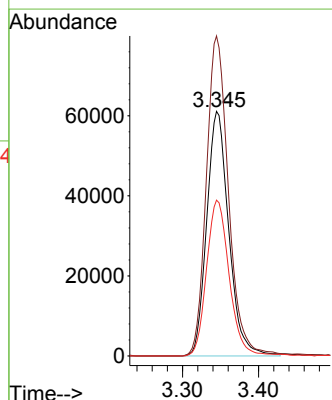
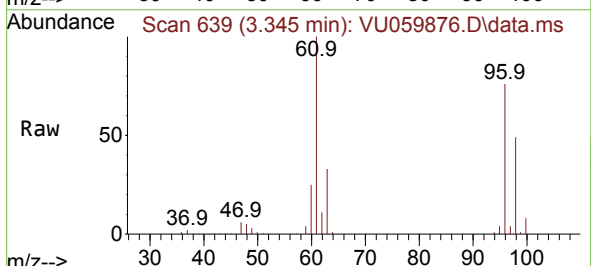
Tgt Ion: 96 Resp: 123075

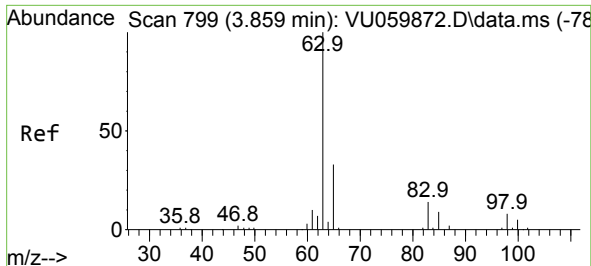
Ion Ratio Lower Upper

96 100

61 130.8 101.8 189.0

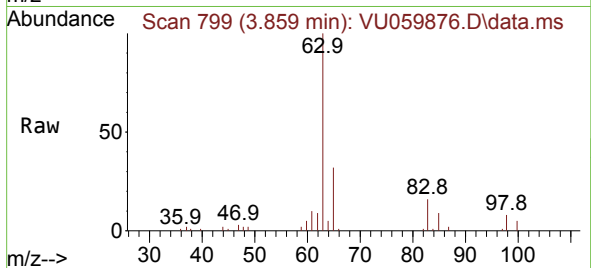
98 63.7 43.3 80.5



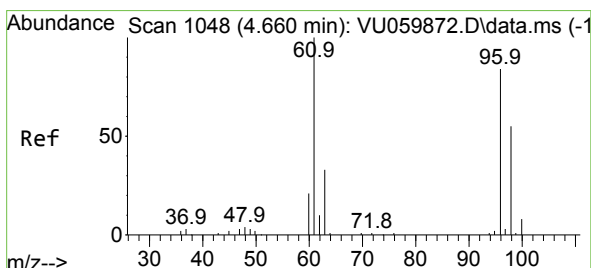
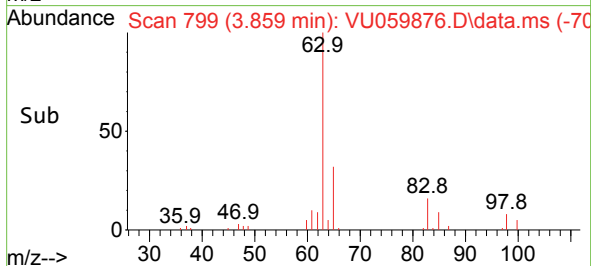
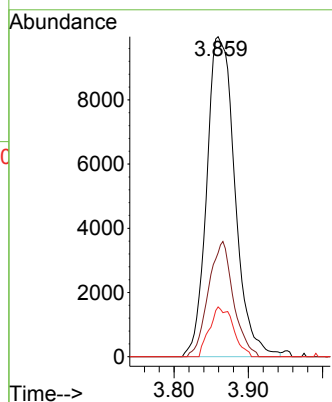


#19
1,1-Dichloroethane
Concen: 1.254 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU059876.D
Acq: 08 Jul 2024 12:20

Instrument :
MSVOA_U
ClientSampleId :

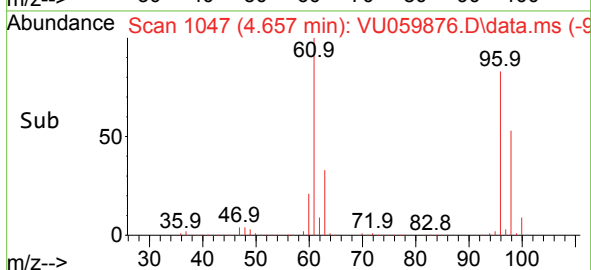
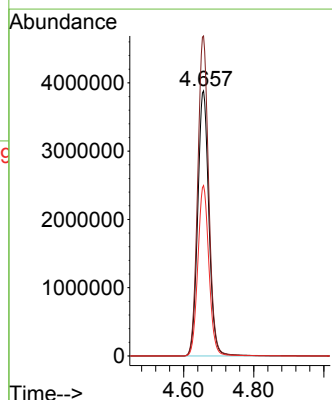
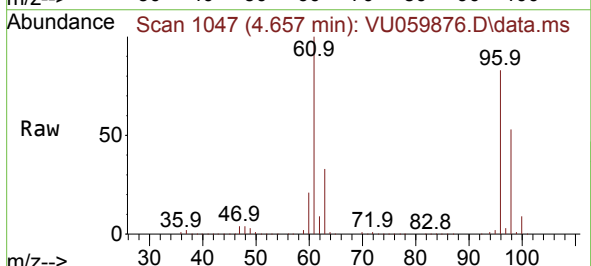


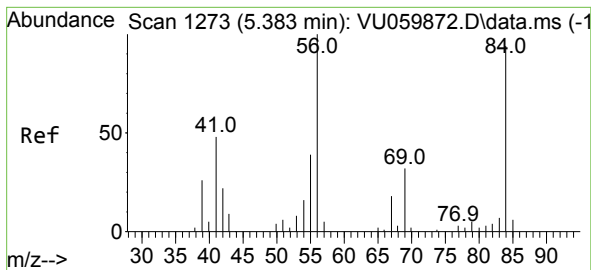
Tgt Ion: 63 Resp: 26233
Ion Ratio Lower Upper
63 100
65 32.5 21.8 40.6
83 15.6 9.9 18.5



#22
cis-1,2-Dichloroethene
Concen: 686.759 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU059876.D
Acq: 08 Jul 2024 12:20

Tgt Ion: 96 Resp: 8586748
Ion Ratio Lower Upper
96 100
61 120.7 87.4 162.2
98 64.3 42.3 78.5

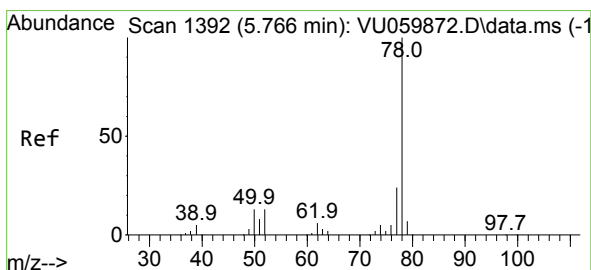
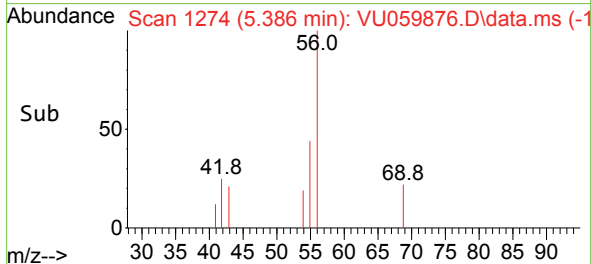
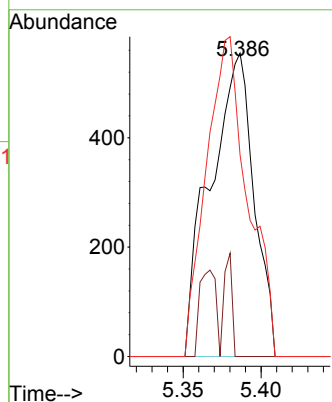
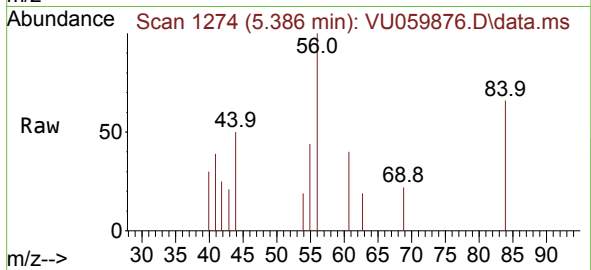




#30
Cyclohexane
Concen: 0.063 ug/L
RT: 5.386 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU059876.D
Acq: 08 Jul 2024 12:20

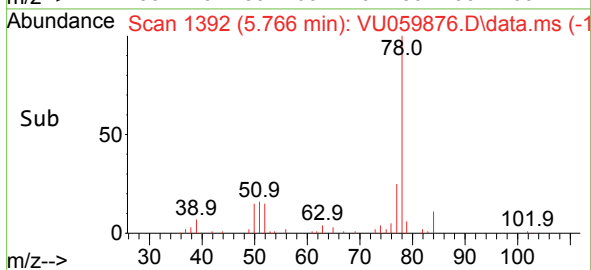
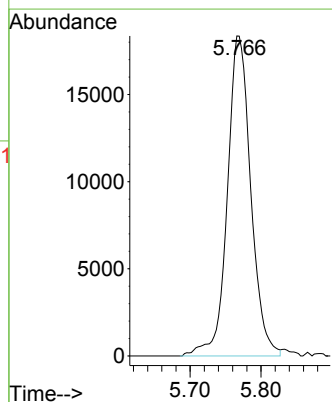
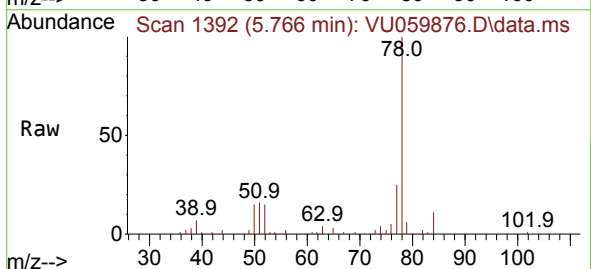
Instrument :
MSVOA_U
ClientSampleId :

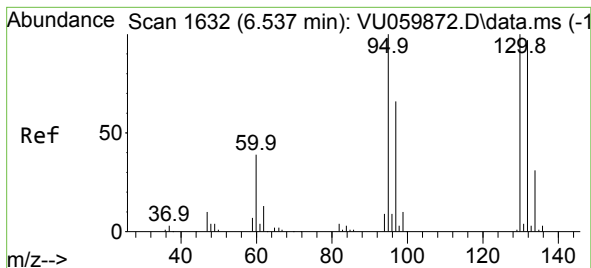
Tgt Ion: 56 Resp: 1084
Ion Ratio Lower Upper
56 100
69 6.1 24.8 37.2#
84 99.5 69.8 104.8



#33
Benzene
Concen: 0.823 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU059876.D
Acq: 08 Jul 2024 12:20

Tgt Ion: 78 Resp: 42315





#34

Trichloroethene

Concen: 2.445 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.000 min

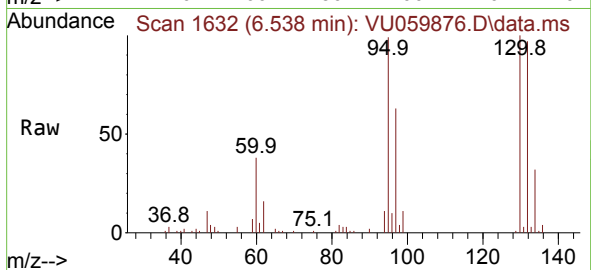
Lab File: VU059876.D

Acq: 08 Jul 2024 12:20

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 34048

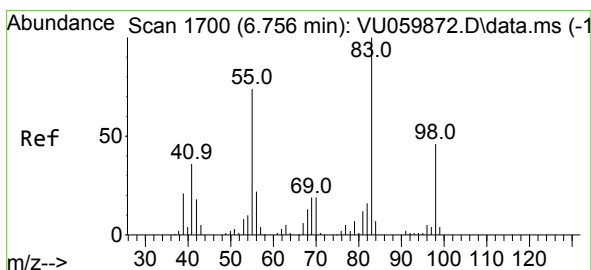
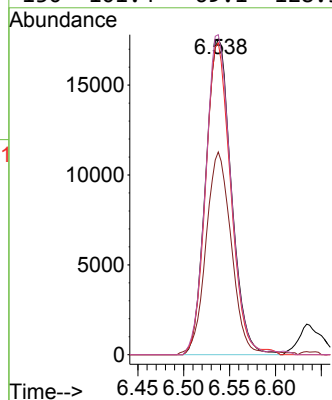
Ion Ratio Lower Upper

95 100

97 64.2 45.3 84.1

132 98.8 64.0 119.0

130 101.4 69.1 128.3



#35

Methylcyclohexane

Concen: 0.686 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.074 min

Lab File: VU059876.D

Acq: 08 Jul 2024 12:20

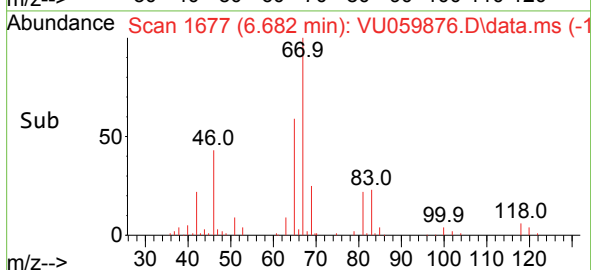
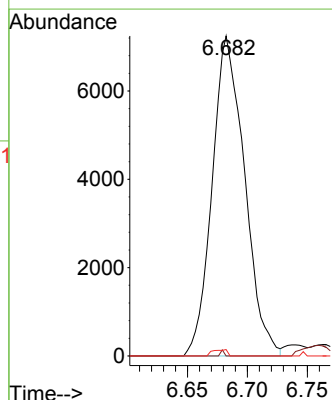
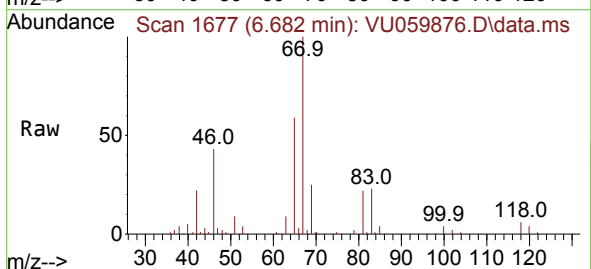
Tgt Ion: 83 Resp: 13598

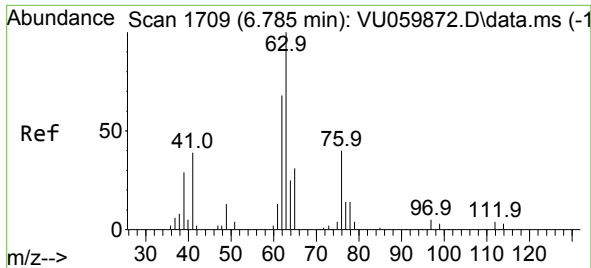
Ion Ratio Lower Upper

83 100

55 2.5 62.7 94.1#

98 0.9 35.4 53.0#

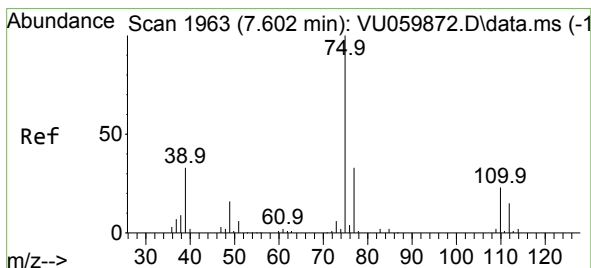
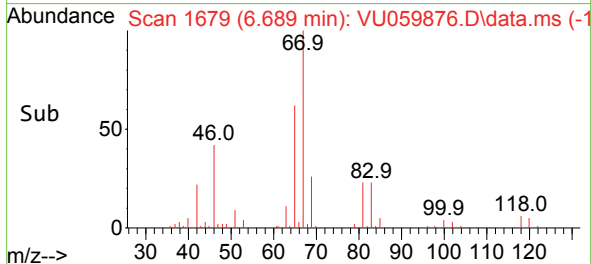
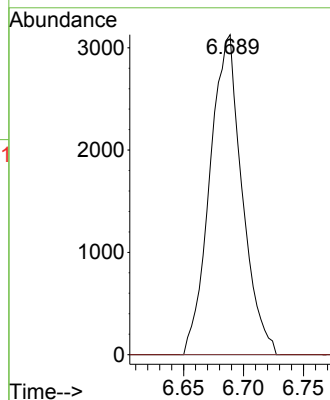
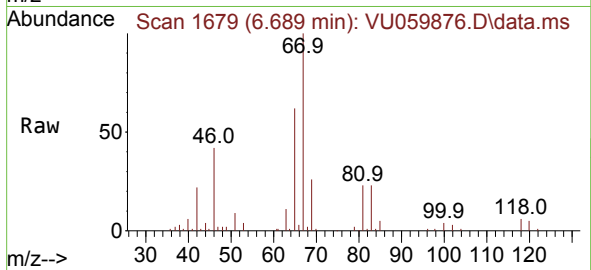




#37
1,2-Dichloropropane
Concen: 0.439 ug/L
RT: 6.689 min Scan# 1
Delta R.T. -0.096 min
Lab File: VU059876.D
Acq: 08 Jul 2024 12:20

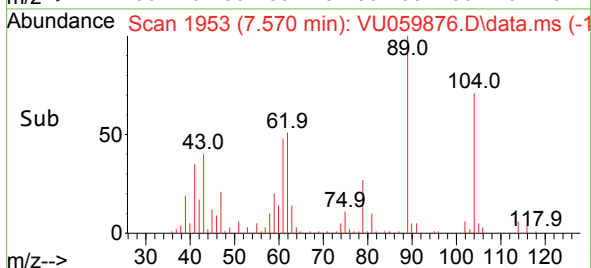
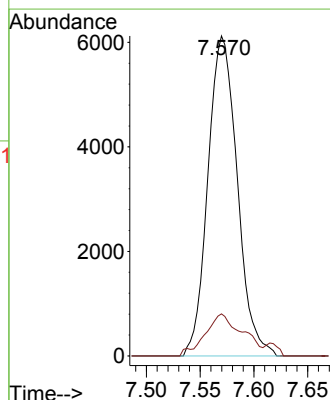
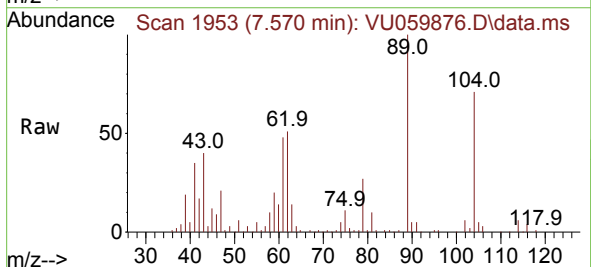
Instrument :
MSVOA_U
ClientSampleId :

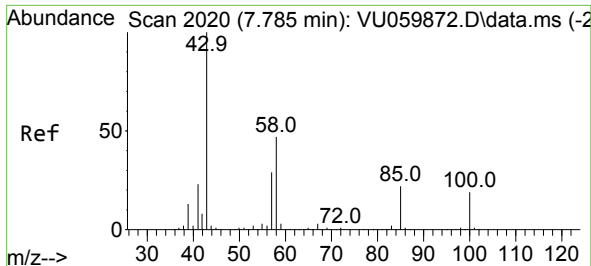
Tgt Ion: 63 Resp: 5847
Ion Ratio Lower Upper
63 100
112 2.6 2.6 3.8



#39
cis-1,3-Dichloropropene
Concen: 0.638 ug/L
RT: 7.570 min Scan# 1953
Delta R.T. -0.032 min
Lab File: VU059876.D
Acq: 08 Jul 2024 12:20

Tgt Ion: 75 Resp: 11614
Ion Ratio Lower Upper
75 100
77 13.1 22.0 40.8#





#40

4-Methyl-2-pentanone

Concen: 1.342 ug/L

RT: 7.708 min Scan# 1996

Delta R.T. -0.077 min

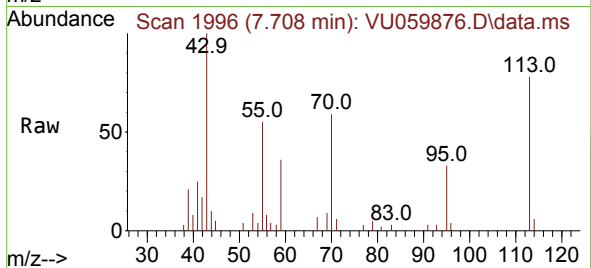
Lab File: VU059876.D

Acq: 08 Jul 2024 12:20

Instrument :

MSVOA_U

ClientSampleId :



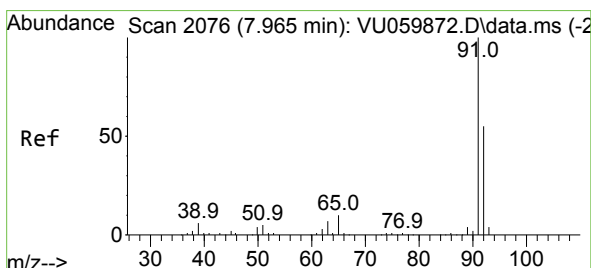
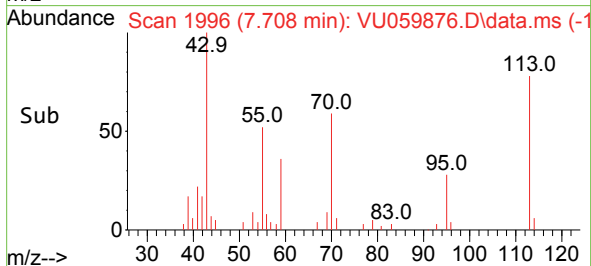
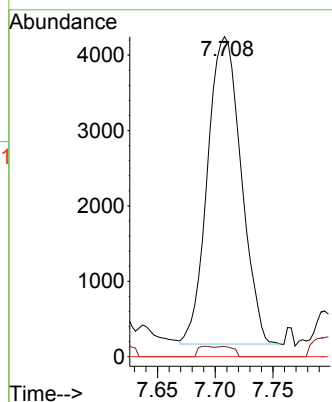
Tgt Ion: 43 Resp: 8272

Ion Ratio Lower Upper

43 100

58 6.2 34.0 51.0#

100 0.0 12.1 18.1#



#42

Toluene

Concen: 0.150 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU059876.D

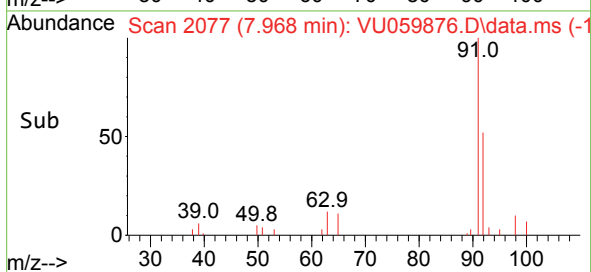
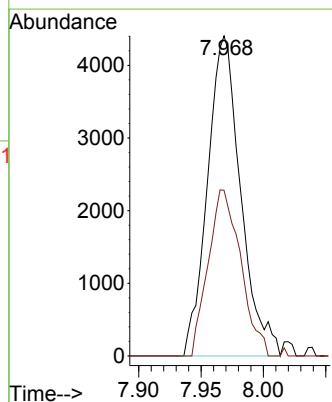
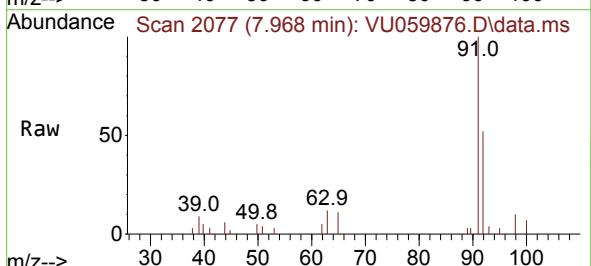
Acq: 08 Jul 2024 12:20

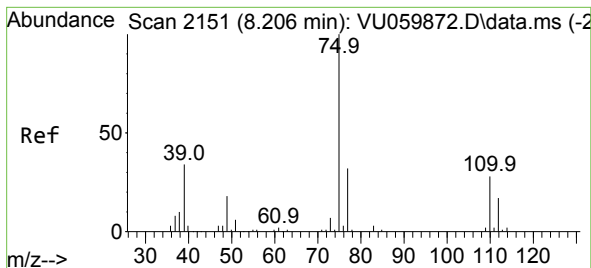
Tgt Ion: 91 Resp: 8160

Ion Ratio Lower Upper

91 100

92 51.8 39.7 73.7





#44

trans-1,3-Dichloropropene

Concen: 2.395 ug/L

RT: 8.306 min Scan# 2151

Delta R.T. 0.100 min

Lab File: VU059876.D

Acq: 08 Jul 2024 12:20

Instrument :

MSVOA_U

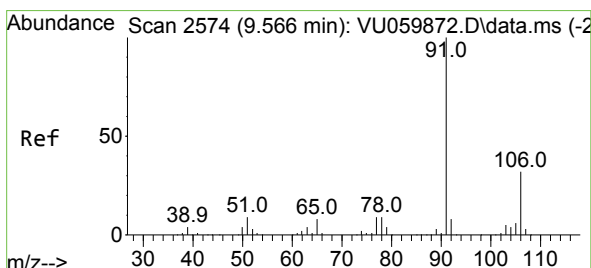
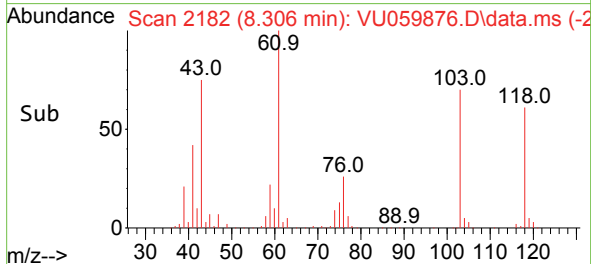
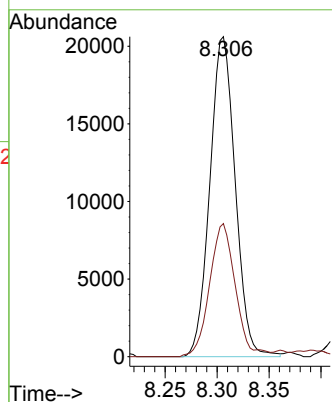
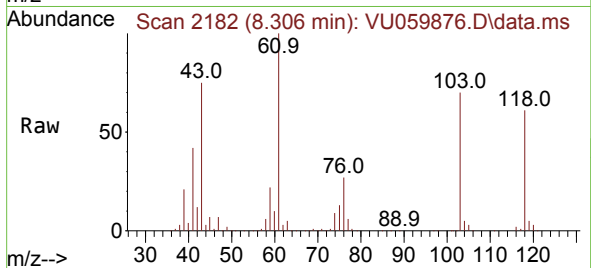
ClientSampleId :

Tgt Ion: 75 Resp: 34983

Ion Ratio Lower Upper

75 100

77 41.6 22.0 41.0#



#52

Ethylbenzene

Concen: 0.105 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.000 min

Lab File: VU059876.D

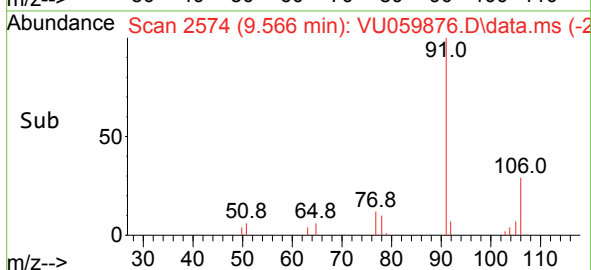
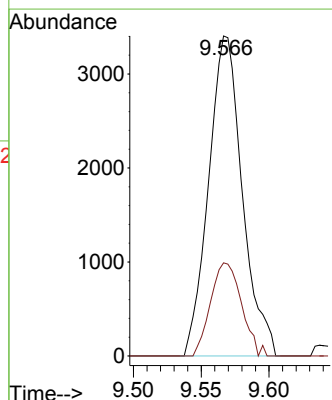
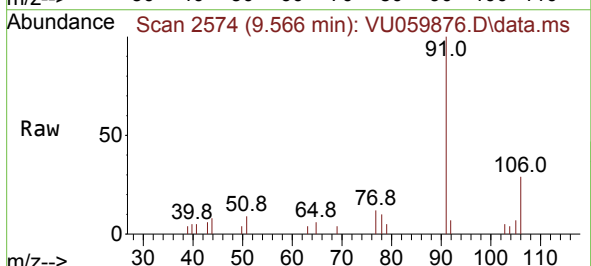
Acq: 08 Jul 2024 12:20

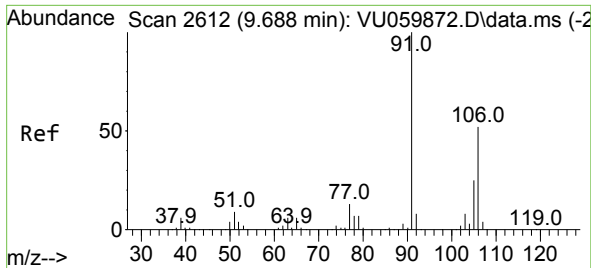
Tgt Ion: 91 Resp: 5888

Ion Ratio Lower Upper

91 100

106 29.1 20.9 38.7

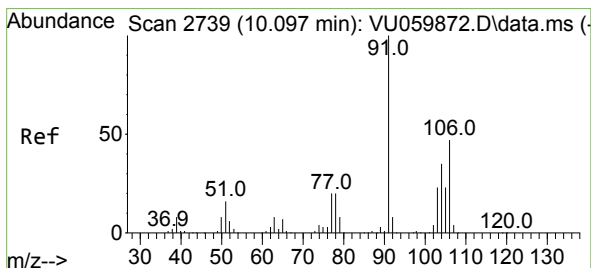
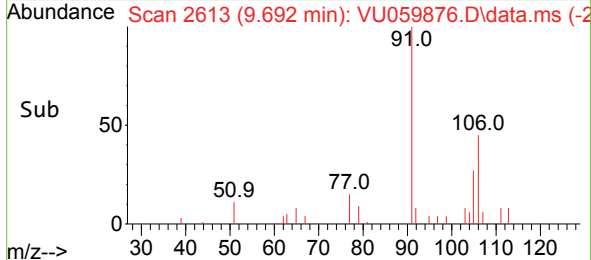
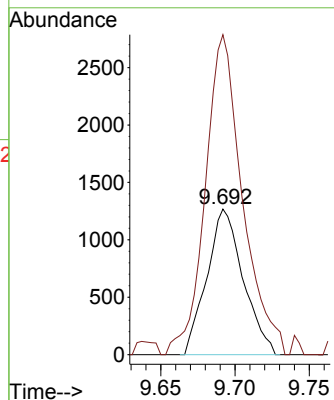
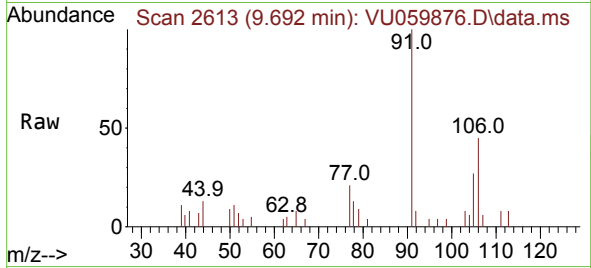




#53
m,p-Xylene
Concen: 0.100 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU059876.D
Acq: 08 Jul 2024 12:20

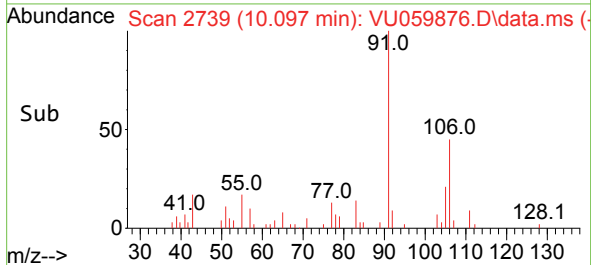
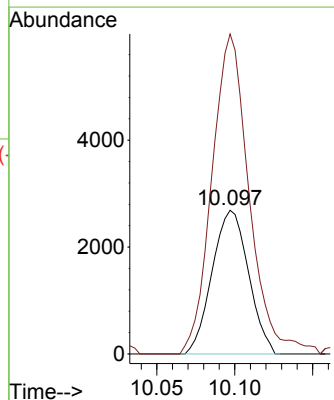
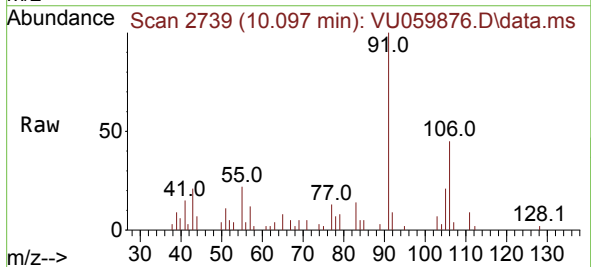
Instrument :
MSVOA_U
ClientSampleId :

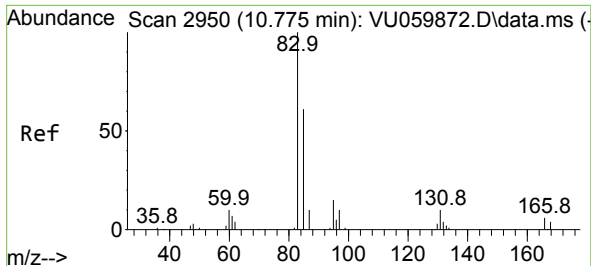
Tgt Ion:106 Resp: 2155
Ion Ratio Lower Upper
106 100
91 219.8 142.0 263.8



#54
o-Xylene
Concen: 0.214 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU059876.D
Acq: 08 Jul 2024 12:20

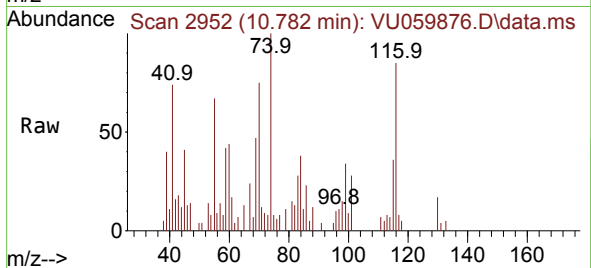
Tgt Ion:106 Resp: 4357
Ion Ratio Lower Upper
106 100
91 222.8 151.6 281.6



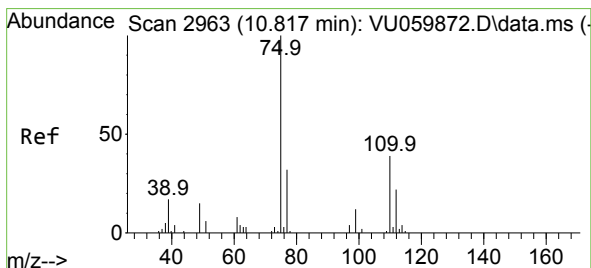
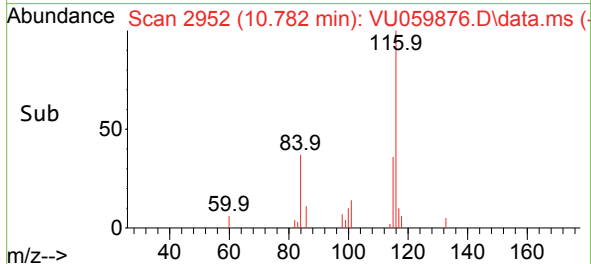
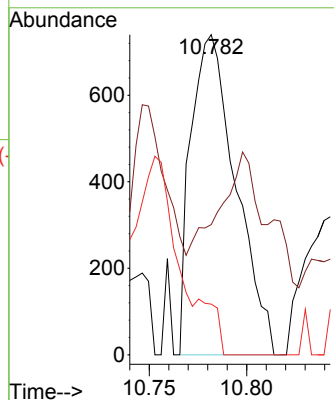


#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.100 ug/L
 RT: 10.782 min Scan# 2950
 Delta R.T. 0.007 min
 Lab File: VU059876.D
 Acq: 08 Jul 2024 12:20

Instrument :
 MSVOA_U
 ClientSampleId :

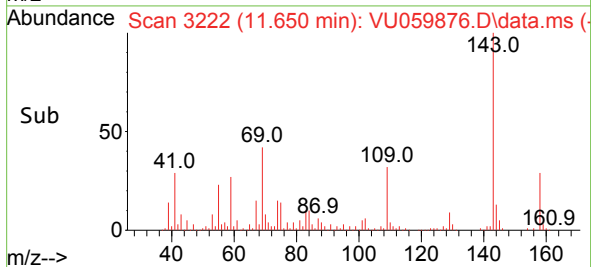
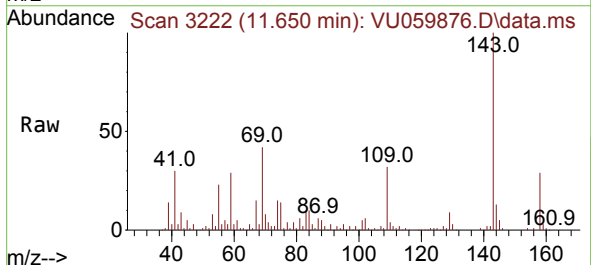
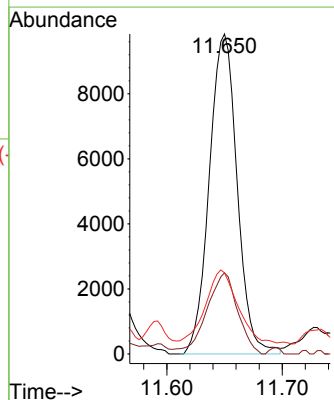


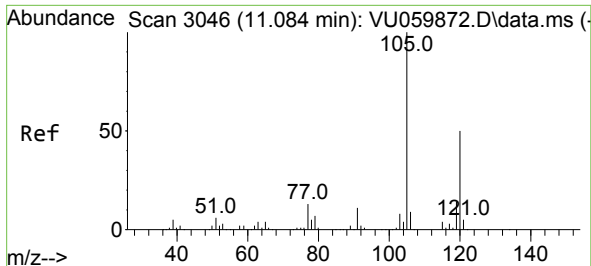
Tgt Ion: 83 Resp: 1186
 Ion Ratio Lower Upper
 83 100
 85 40.7 44.7 82.9#
 131 15.8 6.9 10.3#



#61
 1,2,3-Trichloropropane
 Concen: 2.037 ug/L
 RT: 11.650 min Scan# 3222
 Delta R.T. 0.833 min
 Lab File: VU059876.D
 Acq: 08 Jul 2024 12:20

Tgt Ion: 75 Resp: 16515
 Ion Ratio Lower Upper
 75 100
 110 28.1 27.1 40.7
 77 31.4 25.4 38.2

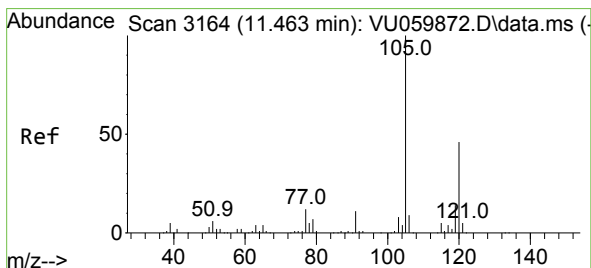
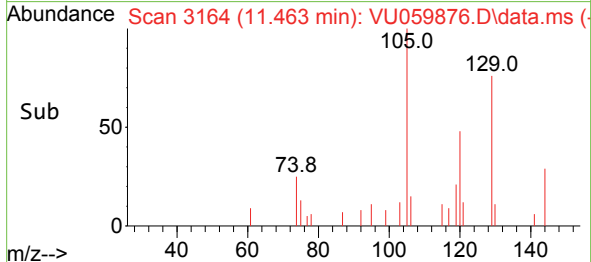
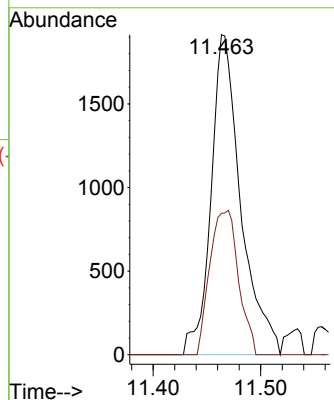
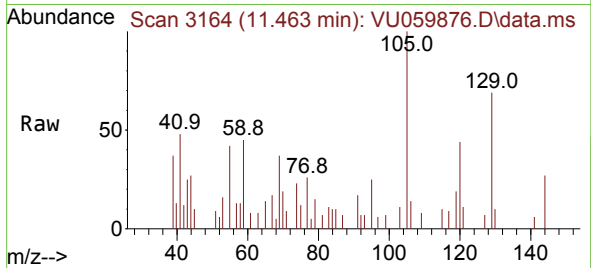




#62
1,3,5-Trimethylbenzene
Concen: 0.086 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.380 min
Lab File: VU059876.D
Acq: 08 Jul 2024 12:20

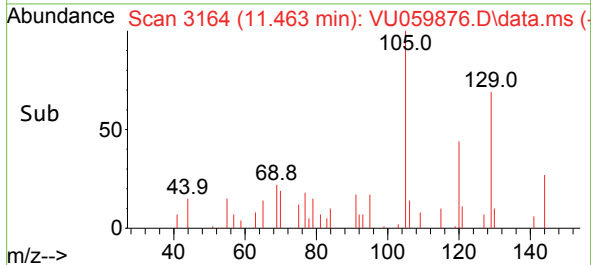
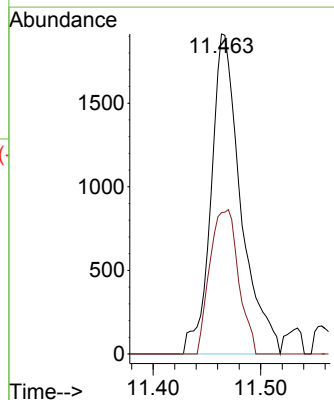
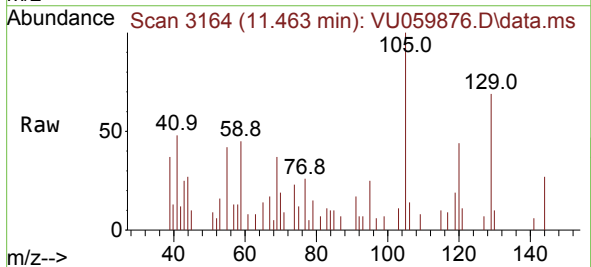
Instrument :
MSVOA_U
ClientSampleId :

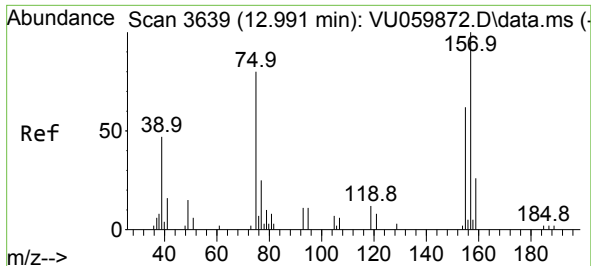
Tgt Ion:105 Resp: 3679
Ion Ratio Lower Upper
105 100
120 43.2 38.2 57.4



#63
1,2,4-Trimethylbenzene
Concen: 0.090 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU059876.D
Acq: 08 Jul 2024 12:20

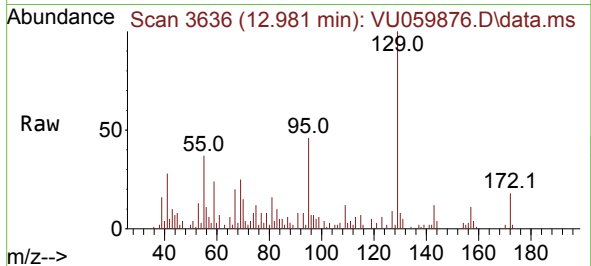
Tgt Ion:105 Resp: 3679
Ion Ratio Lower Upper
105 100
120 43.2 35.4 53.0



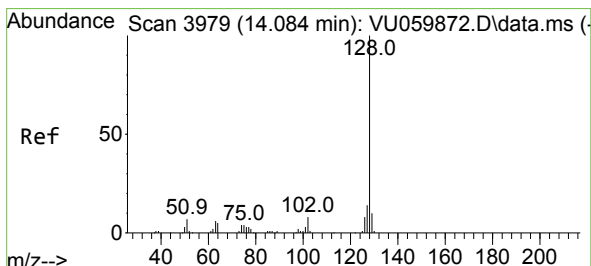
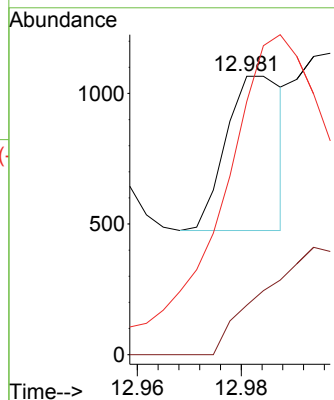
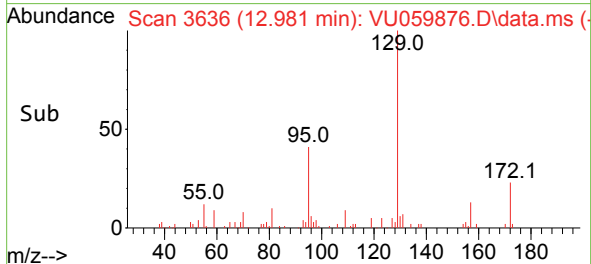


#68
1,2-Dibromo-3-chloropropane
Concen: 0.283 ug/L
RT: 12.981 min Scan# 30
Delta R.T. -0.009 min
Lab File: VU059876.D
Acq: 08 Jul 2024 12:20

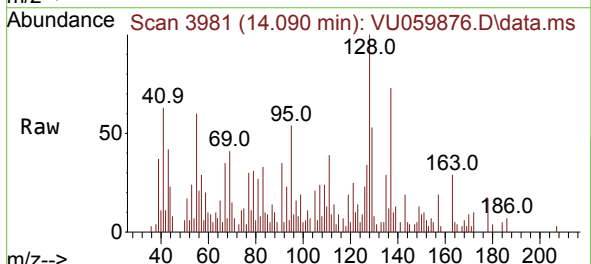
Instrument :
MSVOA_U
ClientSampleId :



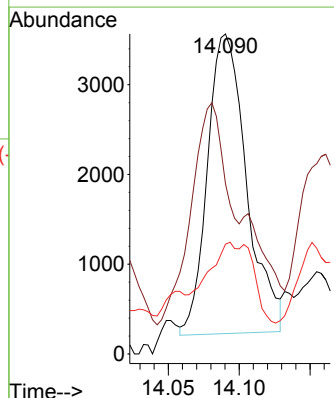
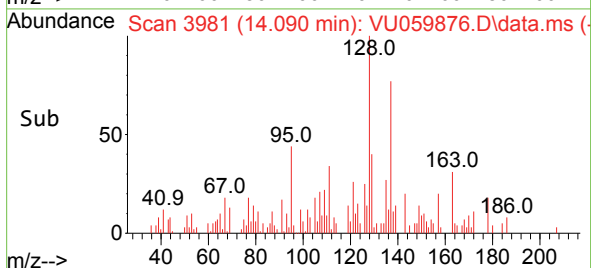
Tgt Ion: 75 Resp: 447
Ion Ratio Lower Upper
75 100
155 17.7 58.2 87.2#
157 90.9 80.0 120.0

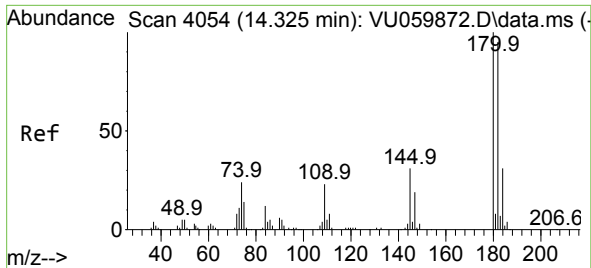


#71
Naphthalene
Concen: 0.287 ug/L
RT: 14.090 min Scan# 3981
Delta R.T. 0.007 min
Lab File: VU059876.D
Acq: 08 Jul 2024 12:20



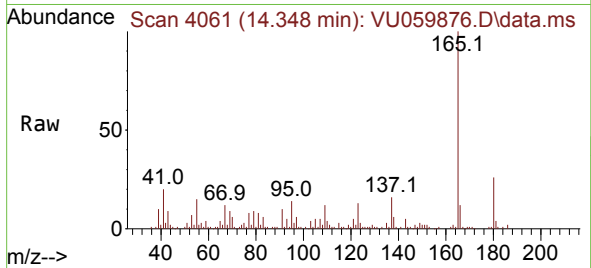
Tgt Ion: 128 Resp: 6418
Ion Ratio Lower Upper
128 100
129 70.7 8.2 12.4#
127 31.0 10.2 15.4#





#72
1,2,3-Trichlorobenzene
Concen: 1.174 ug/L
RT: 14.348 min Scan# 4061
Delta R.T. 0.023 min
Lab File: VU059876.D
Acq: 08 Jul 2024 12:20

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	180	Resp:	17066
Ion Ratio	Lower	Upper	
180	100		
182	0.0	77.0	115.6#
145	5.7	26.2	39.4#

