

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U070524\
 Data File : U059864.D
 Acq On : 05 Jul 2024 16:07
 Operator : MD/SY
 Sample : P3137-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 06 03:05:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 06 02:59:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	147143	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	150337	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	77497	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	43973	4.298	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.000%
7) Chloroethane-d5	1.908	69	39081	3.970	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.400%
11) 1,1-Dichloroethene-d2	2.554	65	19287	4.544	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.800%
20) 2-Butanone-d5	4.647	46	79952	37.936	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.880%
24) Chloroform-d	5.055	84	89675	4.270	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
26) 1,2-Dichloroethane-d4	5.698	65	44754	4.424	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
32) Benzene-d6	5.718	84	169432	4.095	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
36) 1,2-Dichloropropane-d6	6.685	67	56423	4.450	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.000%
41) Toluene-d8	7.891	98	147104	3.824	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.400%
43) trans-1,3-Dichloroprop...	8.177	79	20004	5.039	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.800%
46) 2-Hexanone-d5	8.634	63	89861	54.476	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.960%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	52490	5.011	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	66915	4.851	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	73948	4.989	ug/L	99
8) Chloroethane	1.927	64	7097	0.795	ug/L	93
13) Acetone	2.653	43	9525	6.967	ug/L	83
15) Methyl Acetate	2.953	43	796	0.221	ug/L #	51
16) Methylene chloride	3.036	84	3250	0.263	ug/L	89
17) Methyl tert-butyl Ether	3.364	73	64180	2.854	ug/L	99
18) trans-1,2-Dichloroethene	3.335	96	11761	1.084	ug/L	89
19) 1,1-Dichloroethane	3.856	63	15298	0.764	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	10010	0.837	ug/L	90
30) Cyclohexane	5.380	56	2407	0.157	ug/L #	90
33) Benzene	5.766	78	100779	2.207	ug/L	100
37) 1,2-Dichloropropane	6.689	63	6033	0.511	ug/L #	90
42) Toluene	7.965	91	14214	0.294	ug/L	93
45) 1,1,2-Trichloroethane	8.267	97	21947	2.521	ug/L #	18
51) Chlorobenzene	9.444	112	36237	1.182	ug/L	94
53) m,p-Xylene	9.695	106	7710	0.405	ug/L	84
60) Isopropylbenzene	10.480	105	11531	0.241	ug/L	99
61) 1,2,3-Trichloropropane	11.807	75	10354	1.446	ug/L #	70
62) 1,3,5-Trimethylbenzene	11.023	105	4687	0.124	ug/L #	69

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jul 06 02:59:52 2024
Response via : Initial Calibration

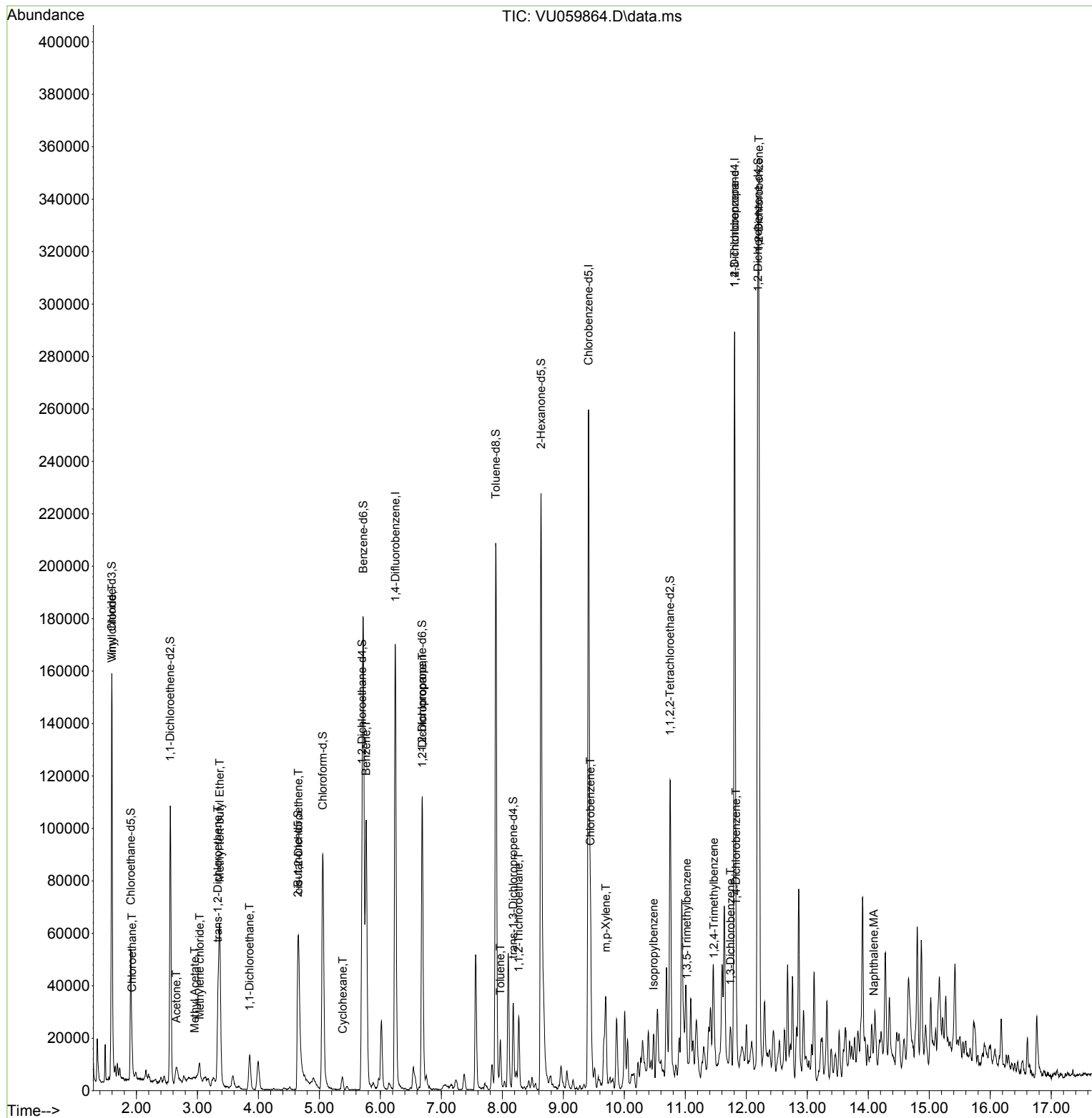
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.470	105	2914	0.080	ug/L #	82
64) 1,3-Dichlorobenzene	11.743	146	3841	0.158	ug/L #	85
65) 1,4-Dichlorobenzene	11.833	146	7703	0.307	ug/L	91
67) 1,2-Dichlorobenzene	12.206	146	97570	4.258	ug/L	99
71) Naphthalene	14.090	128	2382	0.120	ug/L #	81

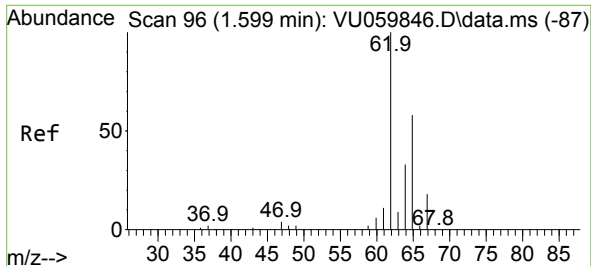
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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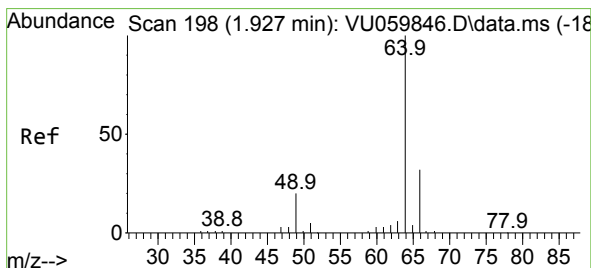
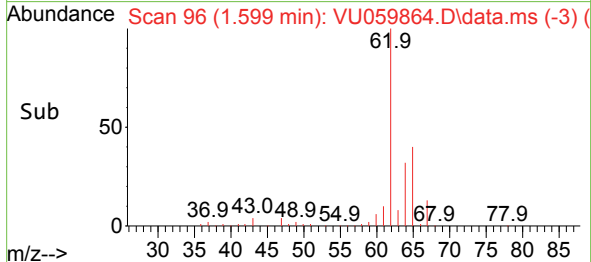
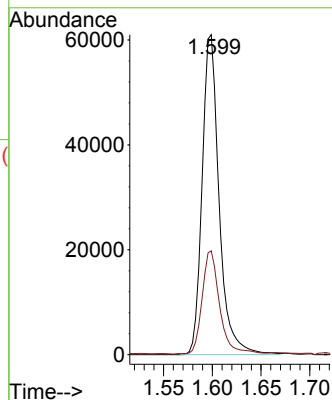
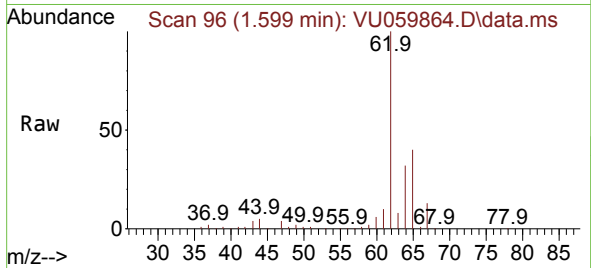




#5
 Vinyl chloride
 Concen: 4.989 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU059864.D
 Acq: 05 Jul 2024 16:07

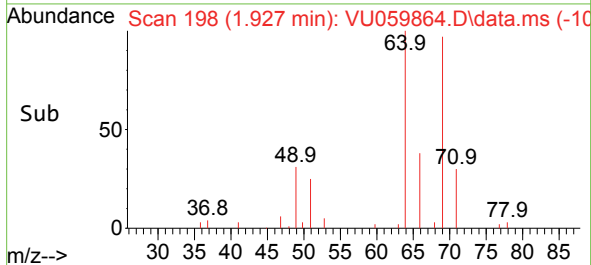
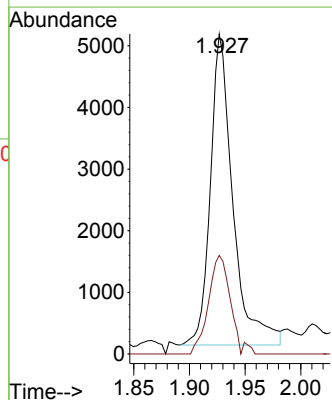
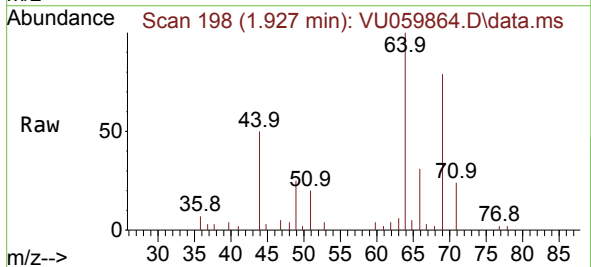
Instrument :
 MSVOA_U
 ClientSampleId :

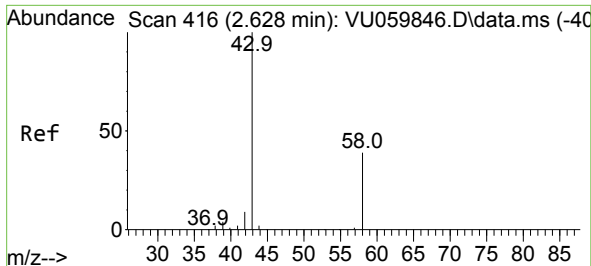
Tgt Ion: 62 Resp: 73948
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.1 42.9



#8
 Chloroethane
 Concen: 0.795 ug/L
 RT: 1.927 min Scan# 198
 Delta R.T. 0.000 min
 Lab File: VU059864.D
 Acq: 05 Jul 2024 16:07

Tgt Ion: 64 Resp: 7097
 Ion Ratio Lower Upper
 64 100
 66 29.3 23.2 43.2





#13

Acetone

Concen: 6.967 ug/L

RT: 2.653 min Scan# 41

Delta R.T. 0.026 min

Lab File: VU059864.D

Acq: 05 Jul 2024 16:07

Instrument :

MSVOA_U

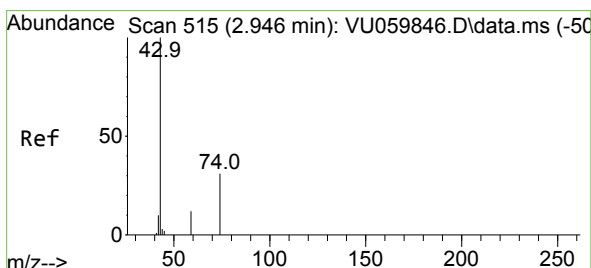
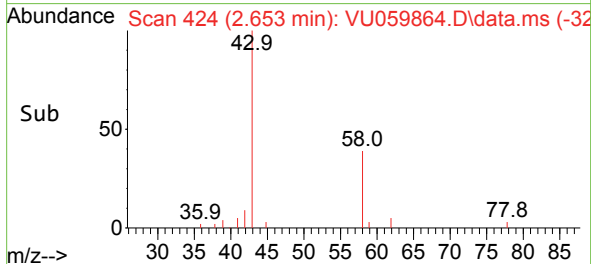
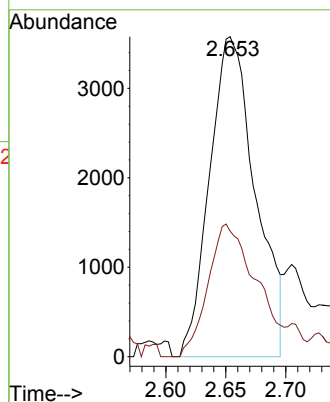
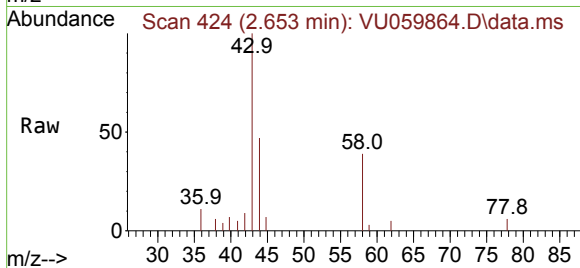
ClientSampleId :

Tgt Ion: 43 Resp: 9525

Ion Ratio Lower Upper

43 100

58 43.5 0.0 68.0



#15

Methyl Acetate

Concen: 0.221 ug/L

RT: 2.953 min Scan# 517

Delta R.T. 0.007 min

Lab File: VU059864.D

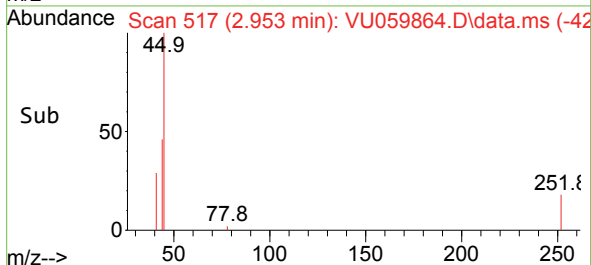
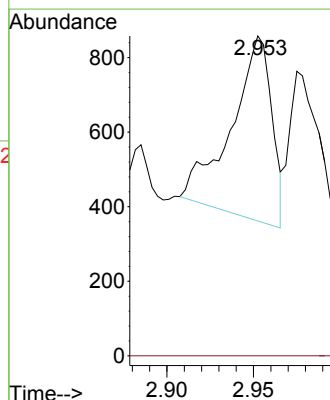
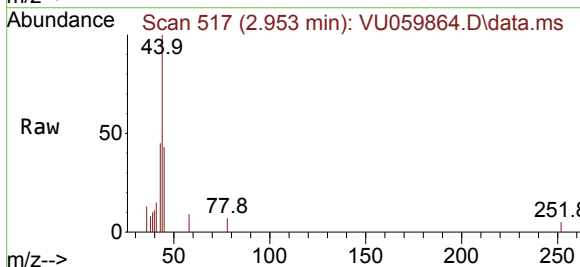
Acq: 05 Jul 2024 16:07

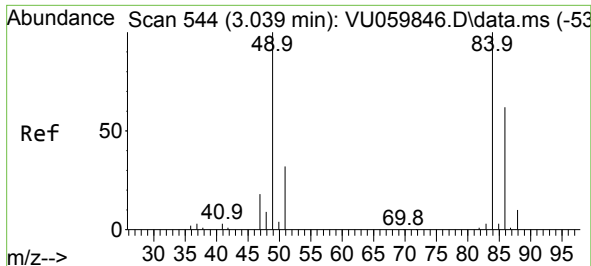
Tgt Ion: 43 Resp: 796

Ion Ratio Lower Upper

43 100

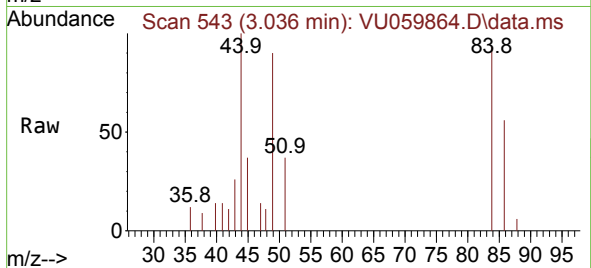
74 0.0 19.2 28.8#



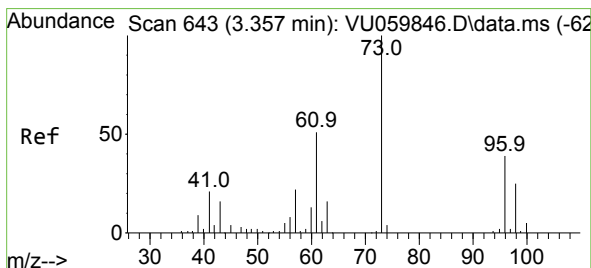
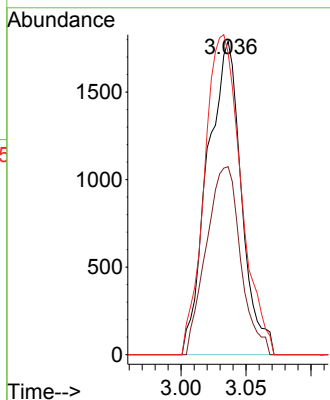
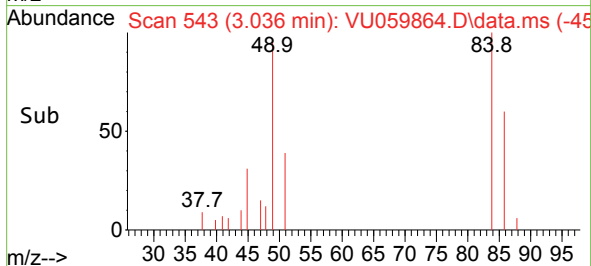


#16
Methylene chloride
Concen: 0.263 ug/L
RT: 3.036 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU059864.D
Acq: 05 Jul 2024 16:07

Instrument :
MSVOA_U
ClientSampleId :

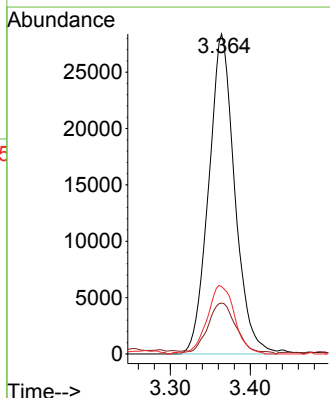
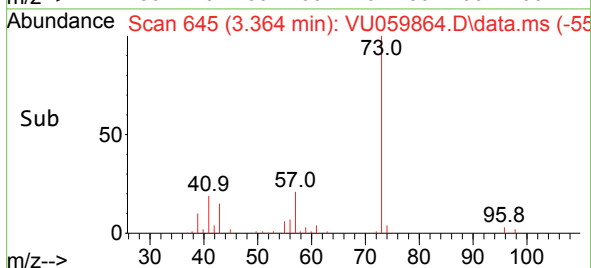
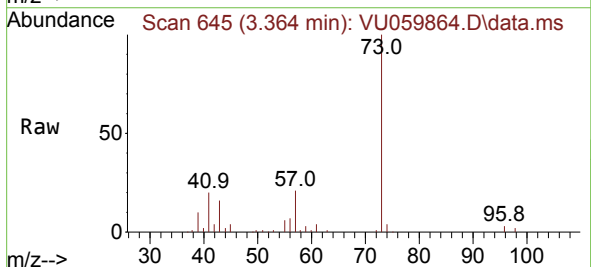


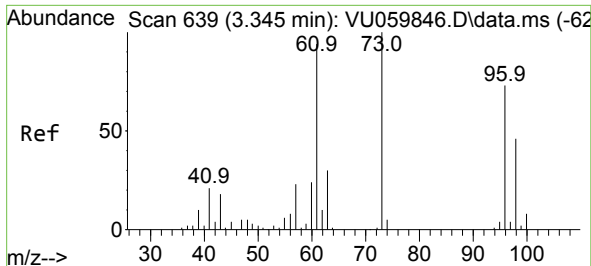
Tgt Ion: 84 Resp: 3250
Ion Ratio Lower Upper
84 100
86 60.0 42.1 78.1
49 96.4 80.6 149.8



#17
Methyl tert-butyl Ether
Concen: 2.854 ug/L
RT: 3.364 min Scan# 645
Delta R.T. 0.007 min
Lab File: VU059864.D
Acq: 05 Jul 2024 16:07

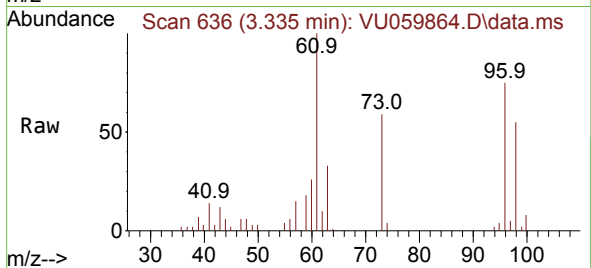
Tgt Ion: 73 Resp: 64180
Ion Ratio Lower Upper
73 100
43 17.4 14.9 22.3
57 22.6 18.0 27.0



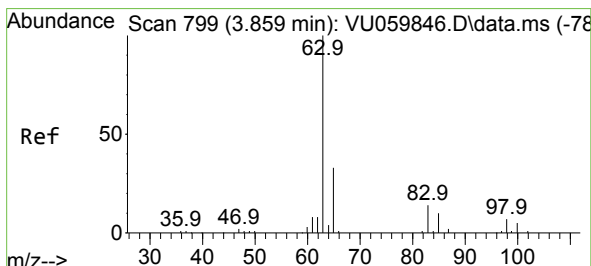
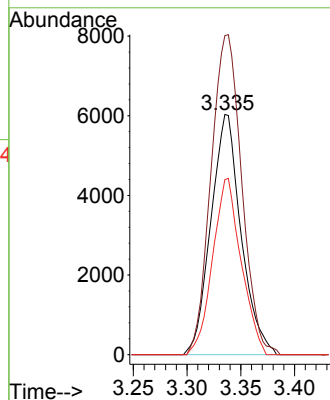
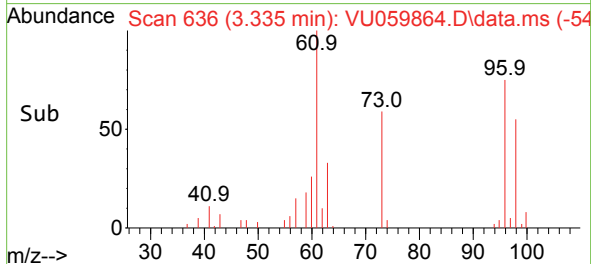


#18
trans-1,2-Dichloroethene
Concen: 1.084 ug/L
RT: 3.335 min Scan# 61
Delta R.T. -0.009 min
Lab File: VU059864.D
Acq: 05 Jul 2024 16:07

Instrument :
MSVOA_U
ClientSampleId :

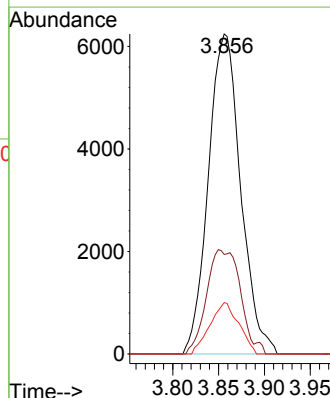
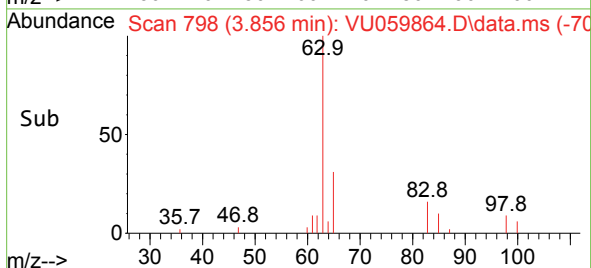
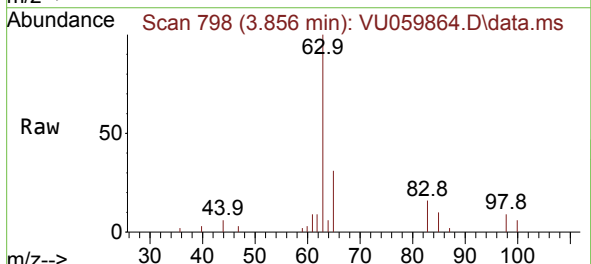


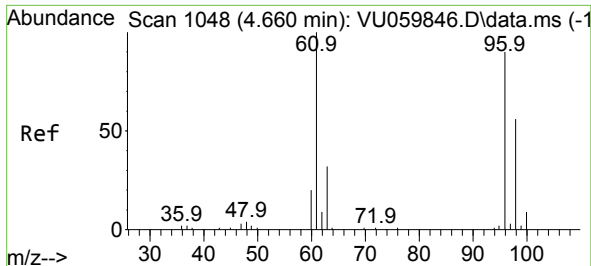
Tgt Ion: 96 Resp: 11761
Ion Ratio Lower Upper
96 100
61 132.8 101.8 189.0
98 72.9 43.3 80.5



#19
1,1-Dichloroethane
Concen: 0.764 ug/L
RT: 3.856 min Scan# 798
Delta R.T. -0.003 min
Lab File: VU059864.D
Acq: 05 Jul 2024 16:07

Tgt Ion: 63 Resp: 15298
Ion Ratio Lower Upper
63 100
65 31.1 21.8 40.6
83 16.1 9.9 18.5





#22

cis-1,2-Dichloroethene

Concen: 0.837 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

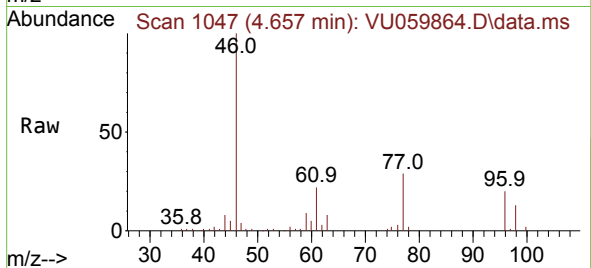
Lab File: VU059864.D

Acq: 05 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :



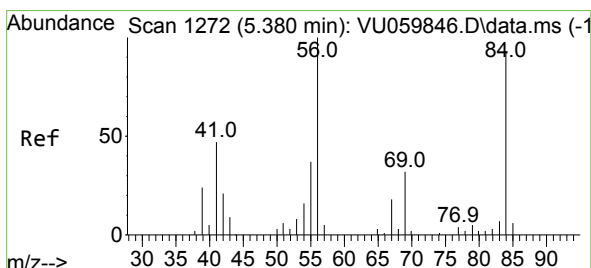
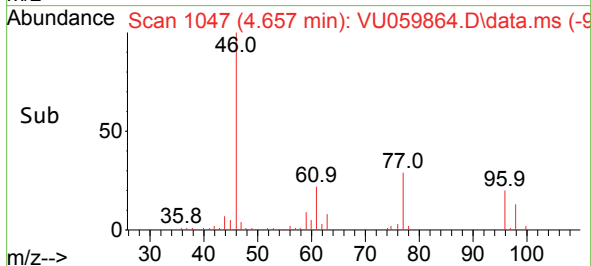
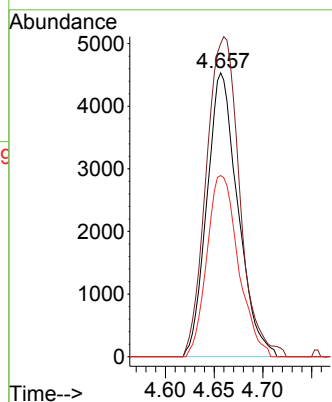
Tgt Ion: 96 Resp: 10010

Ion Ratio Lower Upper

96 100

61 110.3 87.4 162.2

98 63.8 42.3 78.5



#30

Cyclohexane

Concen: 0.157 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VU059864.D

Acq: 05 Jul 2024 16:07

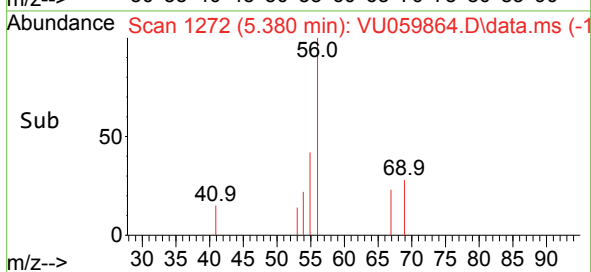
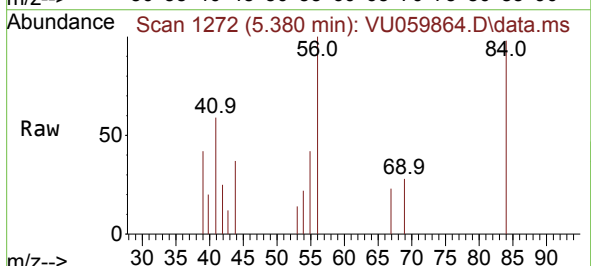
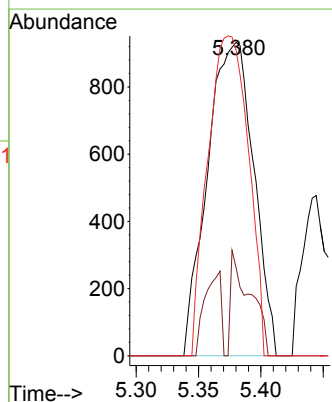
Tgt Ion: 56 Resp: 2407

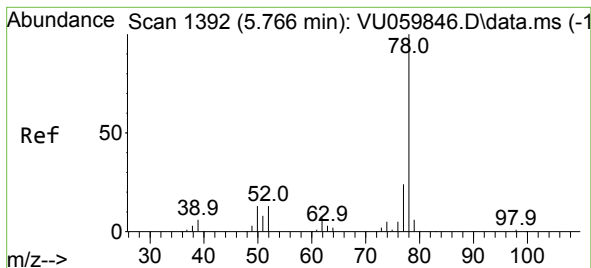
Ion Ratio Lower Upper

56 100

69 14.1 24.8 37.2#

84 89.5 69.8 104.8





#33

Benzene

Concen: 2.207 ug/L

RT: 5.766 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU059864.D

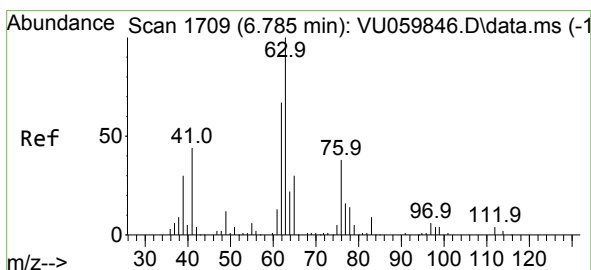
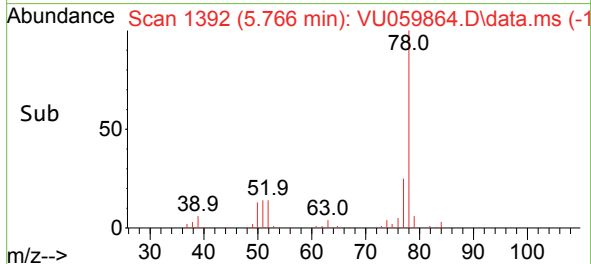
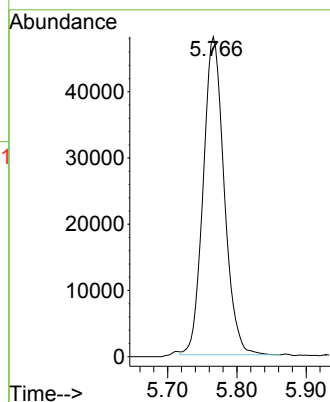
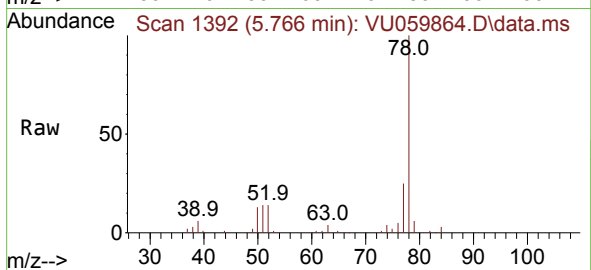
Acq: 05 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 100779



#37

1,2-Dichloropropane

Concen: 0.511 ug/L

RT: 6.689 min Scan# 1679

Delta R.T. -0.096 min

Lab File: VU059864.D

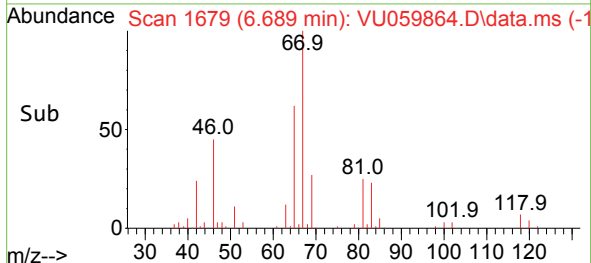
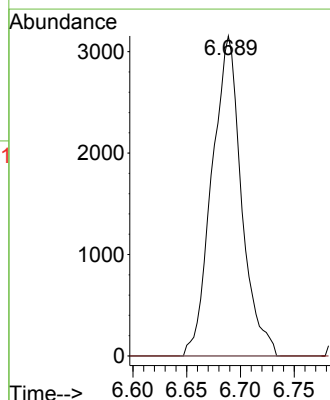
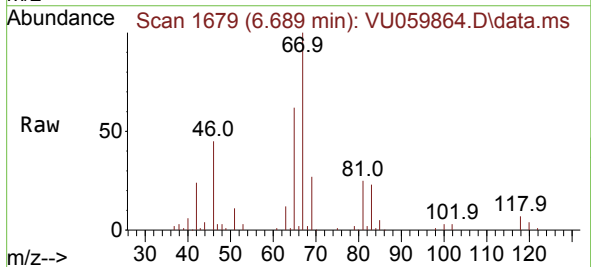
Acq: 05 Jul 2024 16:07

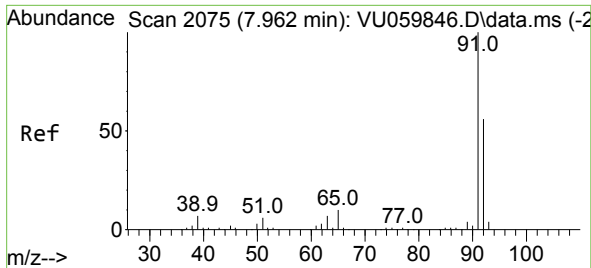
Tgt Ion: 63 Resp: 6033

Ion Ratio Lower Upper

63 100

112 0.0 2.6 3.8#





#42

Toluene

Concen: 0.294 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU059864.D

Acq: 05 Jul 2024 16:07

Instrument :

MSVOA_U

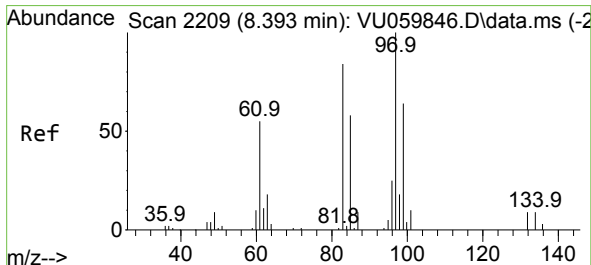
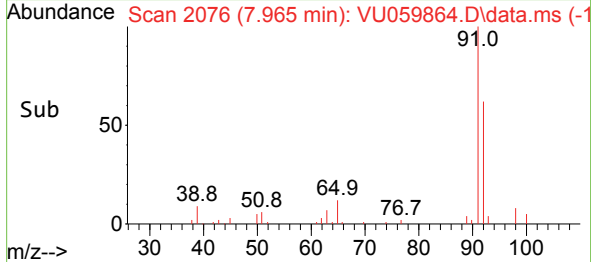
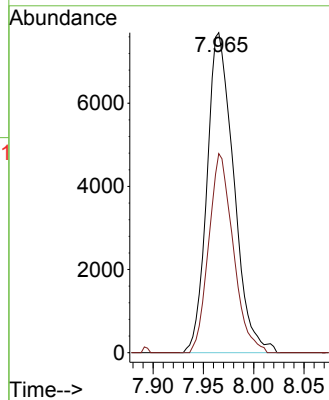
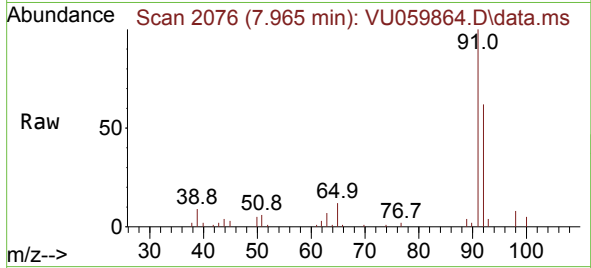
ClientSampleId :

Tgt Ion: 91 Resp: 14214

Ion Ratio Lower Upper

91 100

92 62.2 39.7 73.7



#45

1,1,2-Trichloroethane

Concen: 2.521 ug/L

RT: 8.267 min Scan# 2170

Delta R.T. -0.125 min

Lab File: VU059864.D

Acq: 05 Jul 2024 16:07

Tgt Ion: 97 Resp: 21947

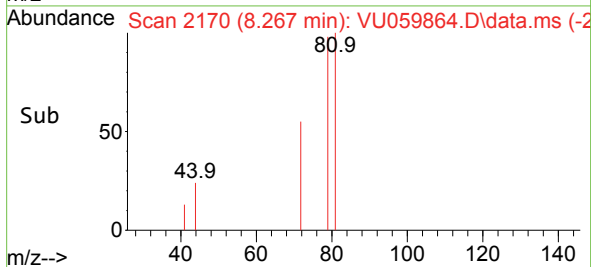
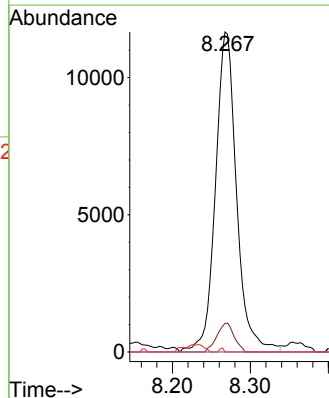
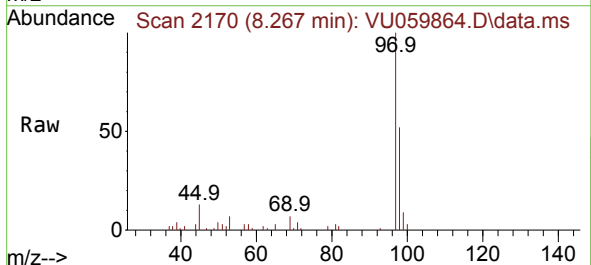
Ion Ratio Lower Upper

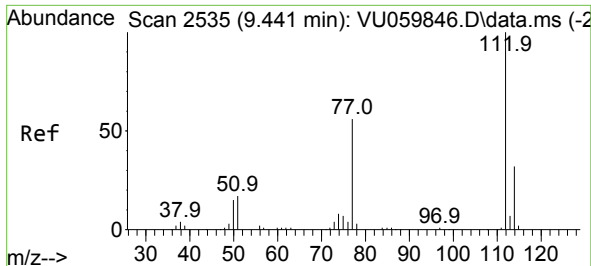
97 100

99 8.9 43.3 80.3#

83 0.0 62.3 115.7#

85 0.0 39.8 74.0#

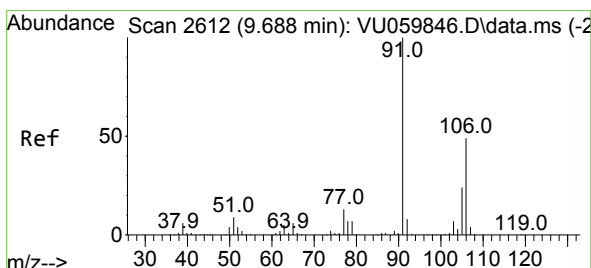
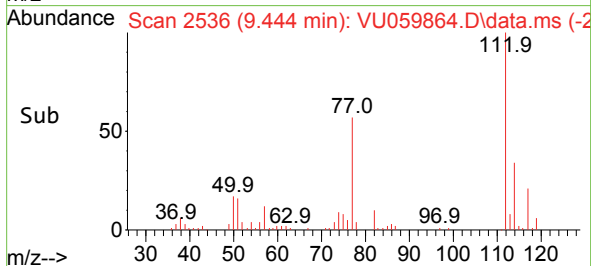
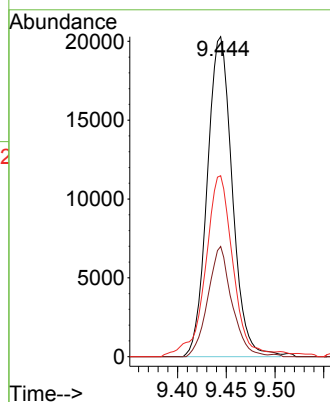
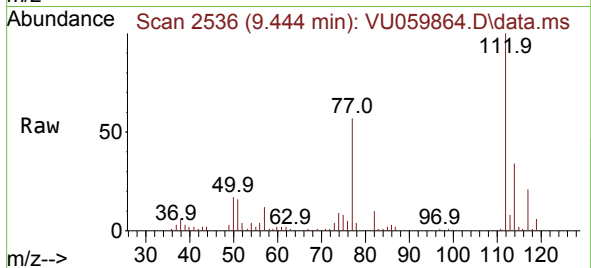




#51
Chlorobenzene
Concen: 1.182 ug/L
RT: 9.444 min Scan# 2112
Delta R.T. 0.003 min
Lab File: VU059864.D
Acq: 05 Jul 2024 16:07

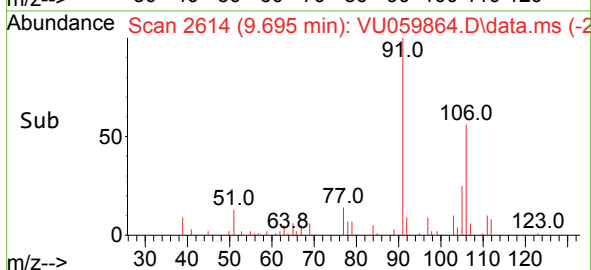
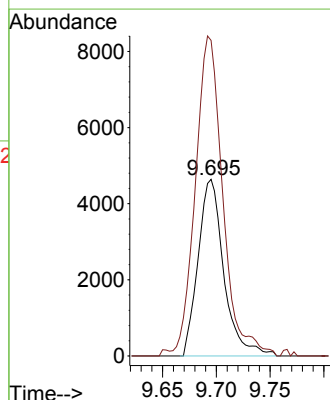
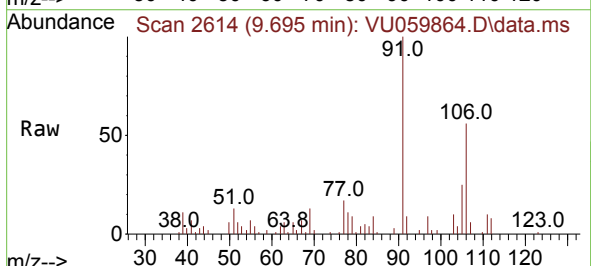
Instrument :
MSVOA_U
ClientSampleId :

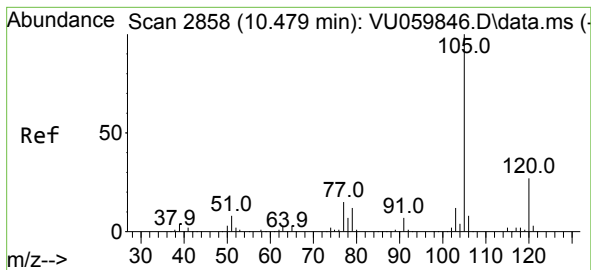
Tgt Ion:112 Resp: 36237
Ion Ratio Lower Upper
112 100
114 34.5 22.4 41.6
77 56.6 49.1 73.7



#53
m,p-Xylene
Concen: 0.405 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.007 min
Lab File: VU059864.D
Acq: 05 Jul 2024 16:07

Tgt Ion:106 Resp: 7710
Ion Ratio Lower Upper
106 100
91 178.7 142.0 263.8





#60

Isopropylbenzene

Concen: 0.241 ug/L

RT: 10.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU059864.D

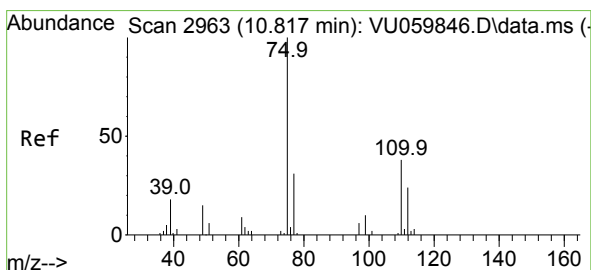
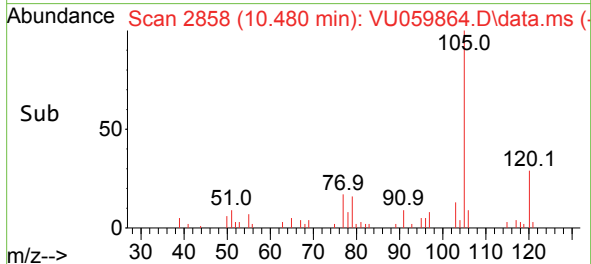
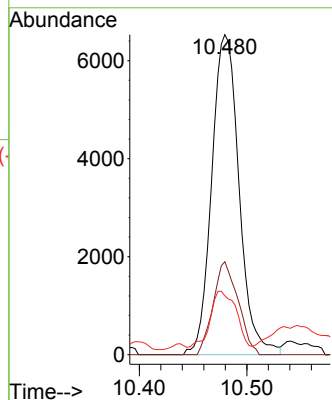
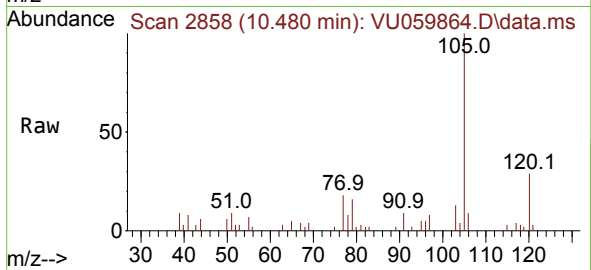
Acq: 05 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	11531
Ion Ratio	Lower	Upper	
105	100		
120	26.5	20.6	31.0
77	16.3	12.8	19.2



#61

1,2,3-Trichloropropane

Concen: 1.446 ug/L

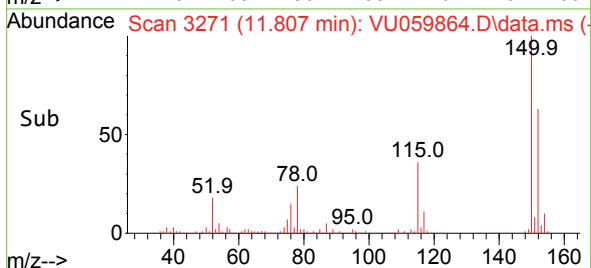
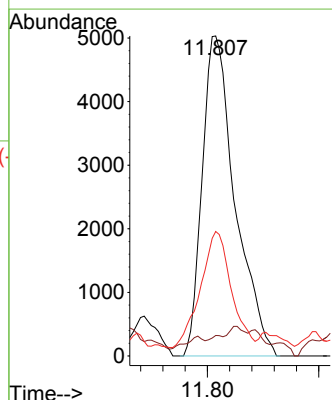
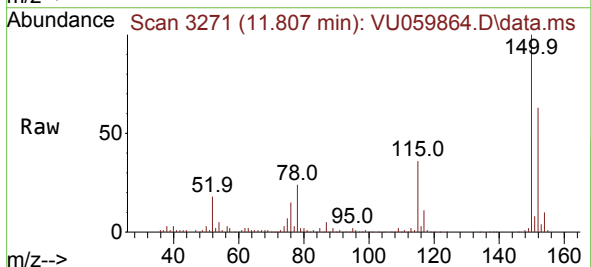
RT: 11.807 min Scan# 3271

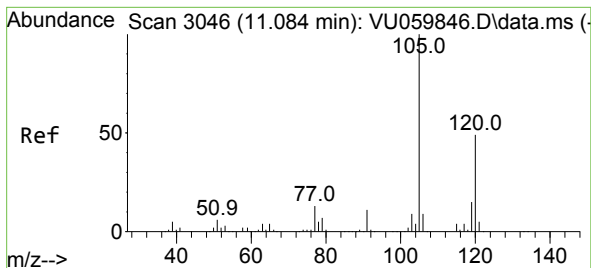
Delta R.T. 0.990 min

Lab File: VU059864.D

Acq: 05 Jul 2024 16:07

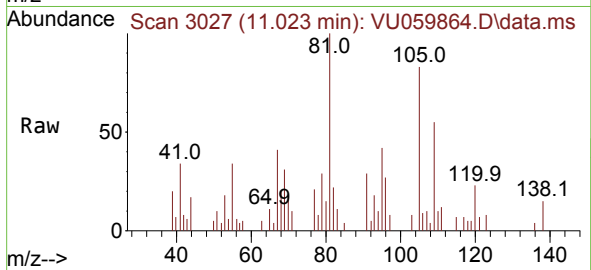
Tgt Ion:	75	Resp:	10354
Ion Ratio	Lower	Upper	
75	100		
110	2.1	27.1	40.7#
77	33.6	25.4	38.2



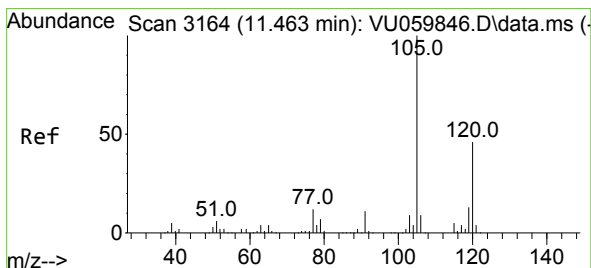
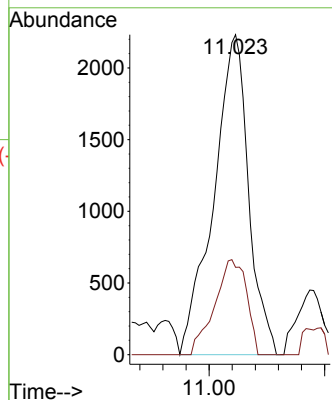
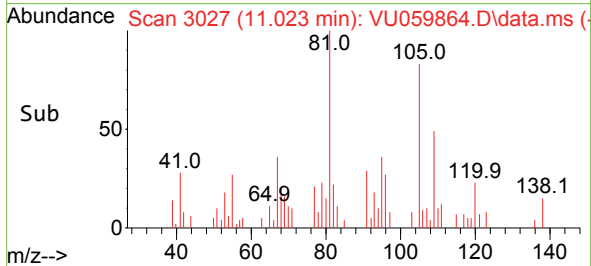


#62
1,3,5-Trimethylbenzene
Concen: 0.124 ug/L
RT: 11.023 min Scan# 3046
Delta R.T. -0.061 min
Lab File: VU059864.D
Acq: 05 Jul 2024 16:07

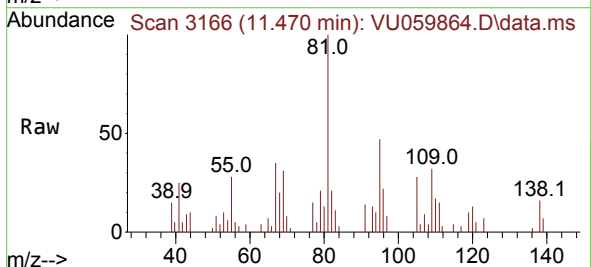
Instrument :
MSVOA_U
ClientSampleId :



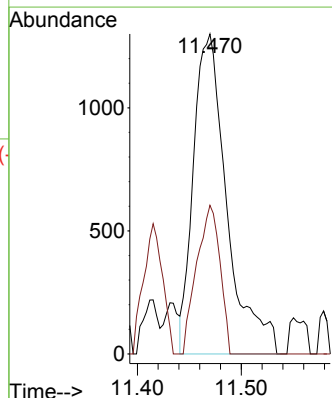
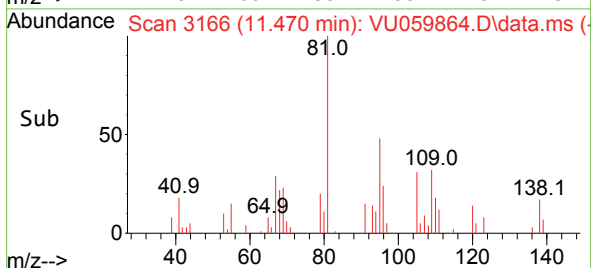
Tgt Ion:105 Resp: 4687
Ion Ratio Lower Upper
105 100
120 27.1 38.2 57.4#

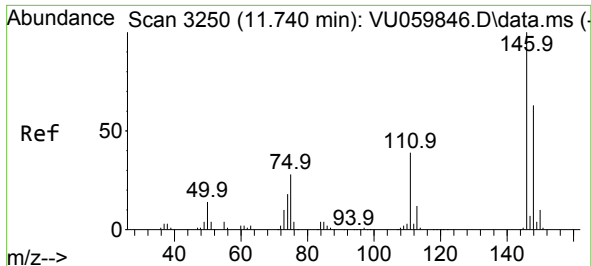


#63
1,2,4-Trimethylbenzene
Concen: 0.080 ug/L
RT: 11.470 min Scan# 3166
Delta R.T. 0.007 min
Lab File: VU059864.D
Acq: 05 Jul 2024 16:07



Tgt Ion:105 Resp: 2914
Ion Ratio Lower Upper
105 100
120 32.2 35.4 53.0#

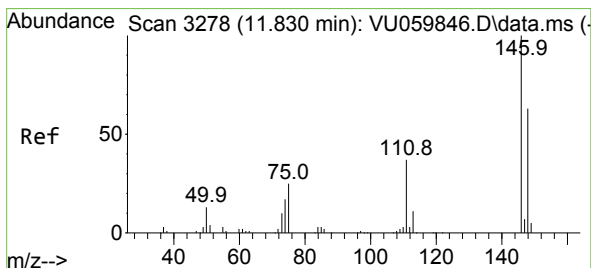
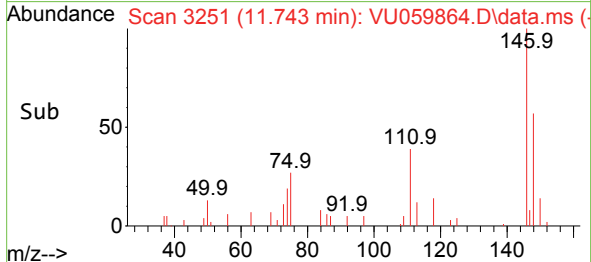
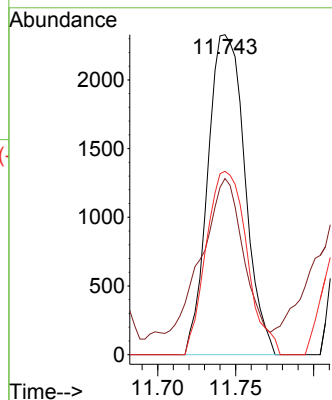
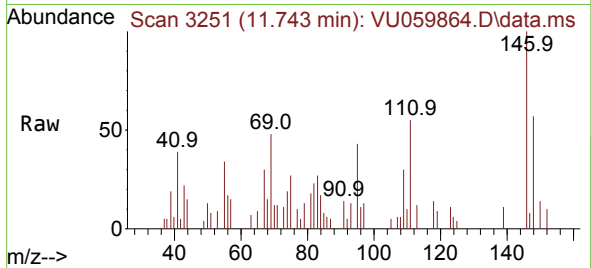




#64
1,3-Dichlorobenzene
Concen: 0.158 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU059864.D
Acq: 05 Jul 2024 16:07

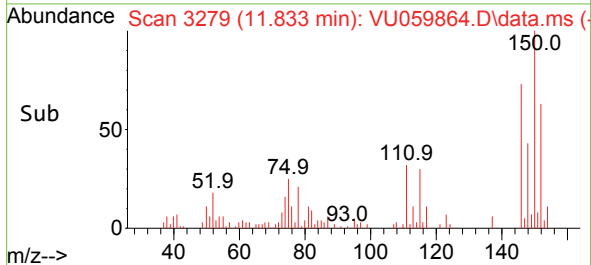
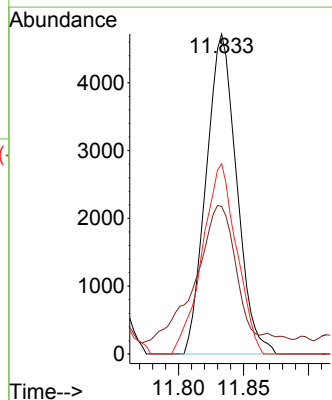
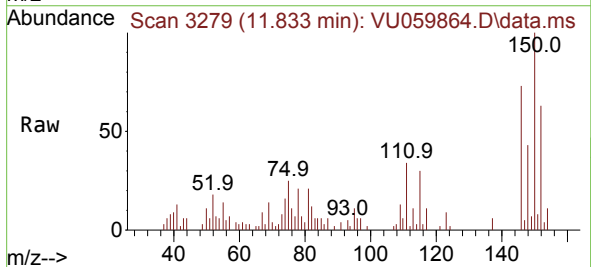
Instrument :
MSVOA_U
ClientSampleId :

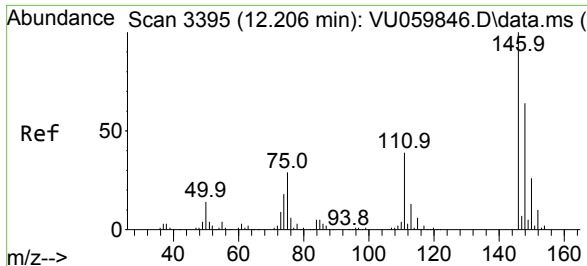
Tgt Ion:146 Resp: 3841
Ion Ratio Lower Upper
146 100
111 55.0 27.4 51.0#
148 57.3 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 0.307 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU059864.D
Acq: 05 Jul 2024 16:07

Tgt Ion:146 Resp: 7703
Ion Ratio Lower Upper
146 100
111 46.1 26.9 50.1
148 59.5 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 4.258 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU059864.D

Acq: 05 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :

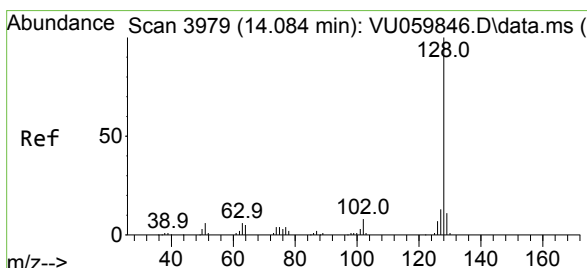
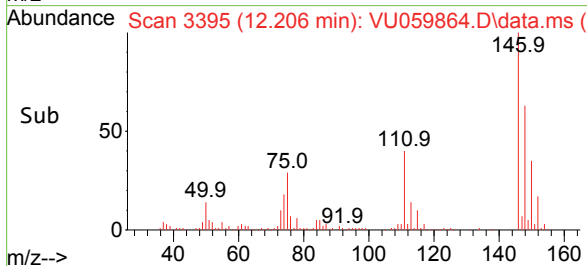
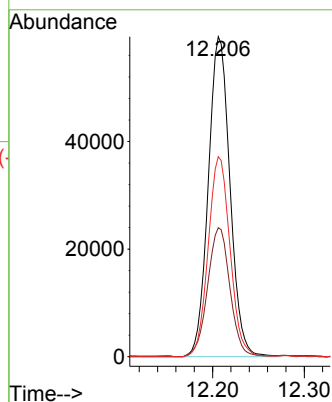
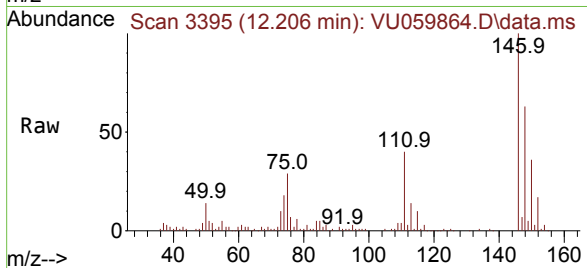
Tgt Ion:146 Resp: 97570

Ion Ratio Lower Upper

146 100

111 40.3 33.4 50.0

148 62.5 49.7 74.5



#71

Naphthalene

Concen: 0.120 ug/L

RT: 14.090 min Scan# 3981

Delta R.T. 0.007 min

Lab File: VU059864.D

Acq: 05 Jul 2024 16:07

Tgt Ion:128 Resp: 2382

Ion Ratio Lower Upper

128 100

129 0.0 8.2 12.4#

127 8.0 10.2 15.4#

