

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090123\
 Data File : VU055073.D
 Acq On : 02 Sep 2023 04:45
 Operator : MD/SY
 Sample : 04250-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 02 05:00:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 02 00:23:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	185736	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	187491	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	100655	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	54370	6.246	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.000%
7) Chloroethane-d5	1.911	69	48467	4.810	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.200%
11) 1,1-Dichloroethene-d2	2.563	65	24786	4.997	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.000%
20) 2-Butanone-d5	4.634	46	142006	56.214	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.420%
24) Chloroform-d	5.058	84	116325	5.036	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	5.698	65	59163	5.119	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
32) Benzene-d6	5.724	84	232330	5.020	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
36) 1,2-Dichloropropane-d6	6.689	67	73193	4.972	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.400%
41) Toluene-d8	7.894	98	205953	4.831	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
43) trans-1,3-Dichloroprop...	8.181	79	17921	4.421	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.634	63	81531	49.541	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.080%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	52612	5.082	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	74278	5.056	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	1928147	166.339	ug/L	95
8) Chloroethane	1.924	64	3309	0.438	ug/L #	55
12) 1,1-Dichloroethene	2.579	96	9023	1.051	ug/L #	30
17) Methyl tert-butyl Ether	3.364	73	5355	0.238	ug/L #	69
18) trans-1,2-Dichloroethene	3.351	96	24525	2.815	ug/L	97
19) 1,1-Dichloroethane	3.869	63	12627	0.671	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	2447090	229.462	ug/L	97
33) Benzene	5.772	78	9820	0.246	ug/L	100
34) Trichloroethene	6.537	95	729412	65.772	ug/L	98
35) Methylcyclohexane	6.689	83	18060	1.161	ug/L #	20
37) 1,2-Dichloropropane	6.689	63	8909	0.820	ug/L #	88
48) 2-Hexanone	8.685	43	17229	3.549	ug/L #	91
51) Chlorobenzene	9.447	112	29545	1.049	ug/L	94
61) 1,2,3-Trichloropropane	11.746	75	7335	1.098	ug/L #	49
64) 1,3-Dichlorobenzene	11.746	146	20020	0.888	ug/L	94
65) 1,4-Dichlorobenzene	11.836	146	31160	1.388	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	34211	1.619	ug/L	95
69) 1,3,5-Trichlorobenzene	13.839	180	20507	1.204	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	20507	1.284	ug/L	98

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Sample : 04250-10
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Instrument :
MSVOA_U
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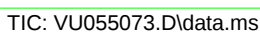
Quant Time: Sep 02 05:00:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Sep 02 00:23:04 2023
Response via : Initial Calibration

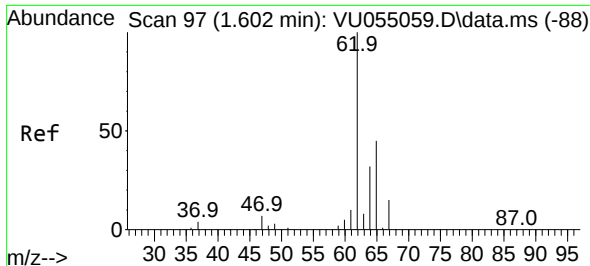
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	14.325	180	7594	0.548 ug/L	89

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

Instrument :
MSVOA_U
ClientSampleId :

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MSVOA_U
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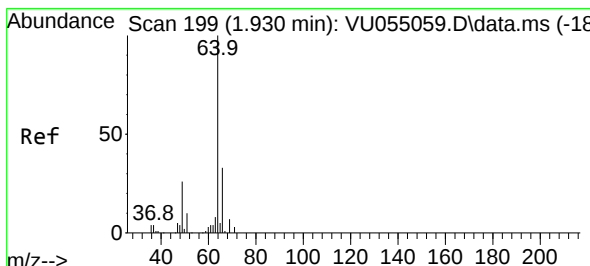
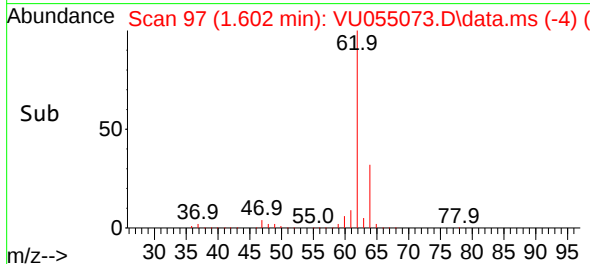
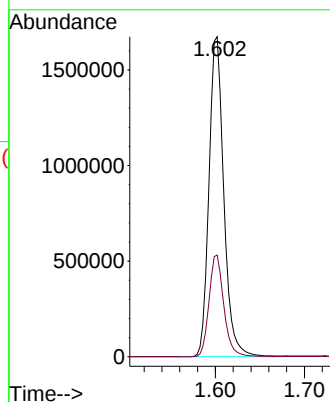
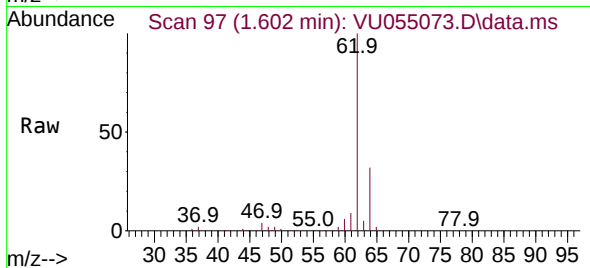




#5
 Vinyl chloride
 Concen: 166.339 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU055073.D
 Acq: 02 Sep 2023 04:45

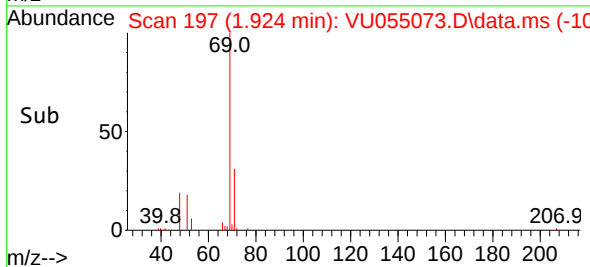
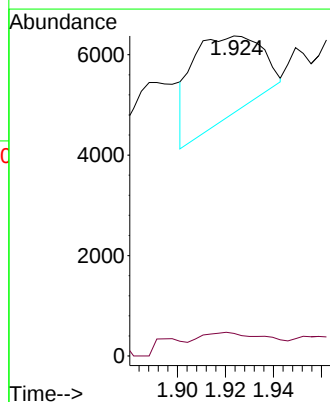
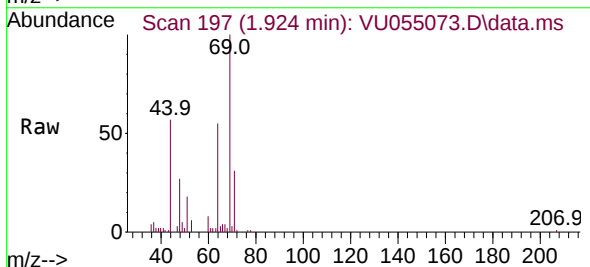
Instrument :
 MSVOA_U
 ClientSampleId :

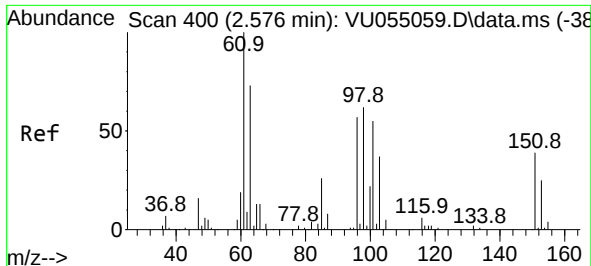
Tgt Ion: 62 Resp: 1928147
 Ion Ratio Lower Upper
 62 100
 64 31.7 24.2 45.0



#8
 Chloroethane
 Concen: 0.438 ug/L
 RT: 1.924 min Scan# 197
 Delta R.T. -0.006 min
 Lab File: VU055073.D
 Acq: 02 Sep 2023 04:45

Tgt Ion: 64 Resp: 3309
 Ion Ratio Lower Upper
 64 100
 66 7.1 22.4 41.6#





#12

1,1-Dichloroethene

Concen: 1.051 ug/L

RT: 2.579 min Scan# 400

Delta R.T. 0.003 min

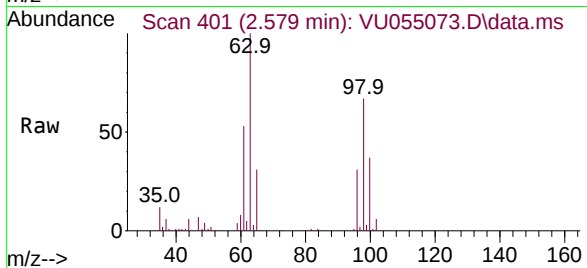
Lab File: VU055073.D

Acq: 02 Sep 2023 04:45

Instrument :

MSVOA_U

ClientSampleId :



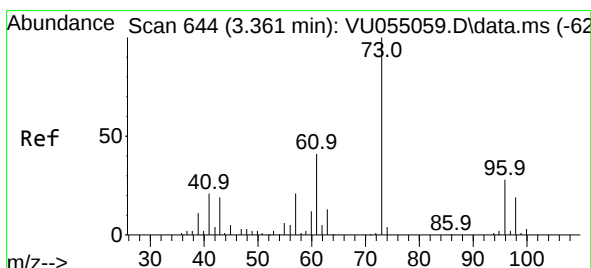
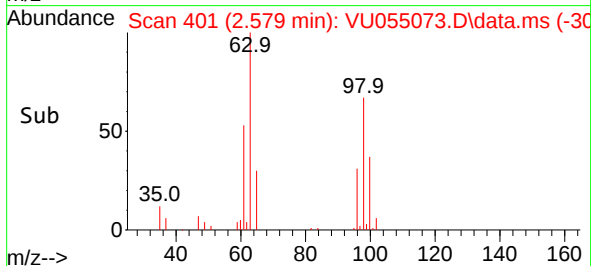
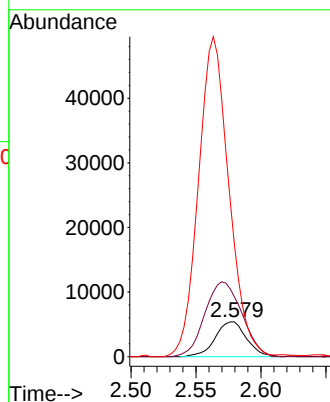
Tgt Ion: 96 Resp: 9023

Ion Ratio Lower Upper

96 100

61 172.4 120.8 224.4

63 325.9 94.5 175.5#



#17

Methyl tert-butyl Ether

Concen: 0.238 ug/L

RT: 3.364 min Scan# 645

Delta R.T. 0.003 min

Lab File: VU055073.D

Acq: 02 Sep 2023 04:45

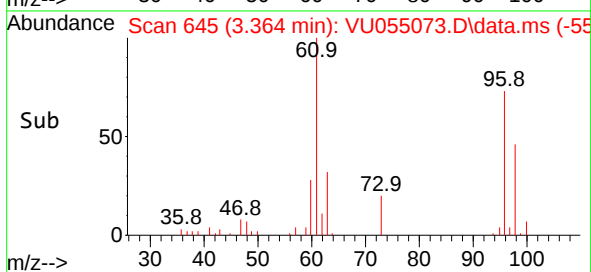
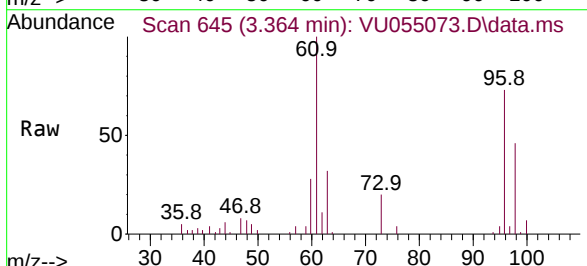
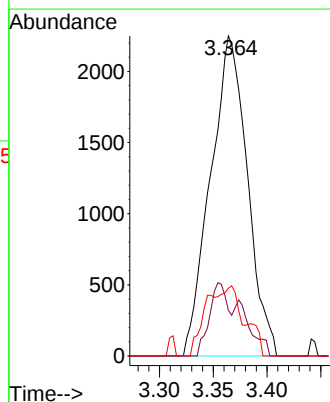
Tgt Ion: 73 Resp: 5355

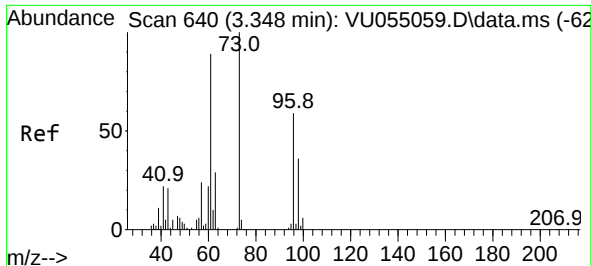
Ion Ratio Lower Upper

73 100

43 7.9 16.2 24.2#

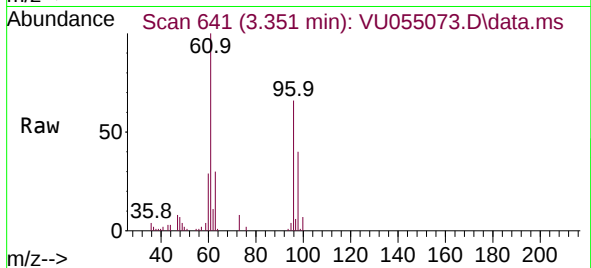
57 4.8 17.4 26.2#



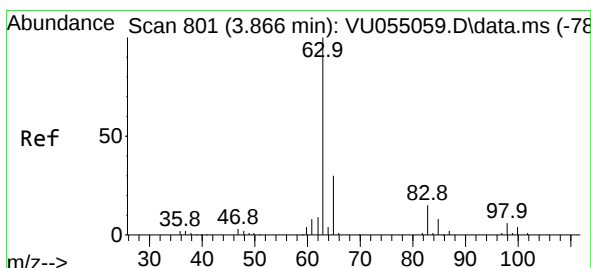
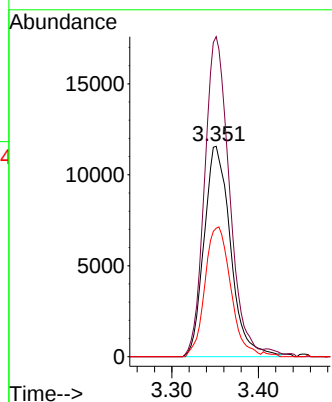
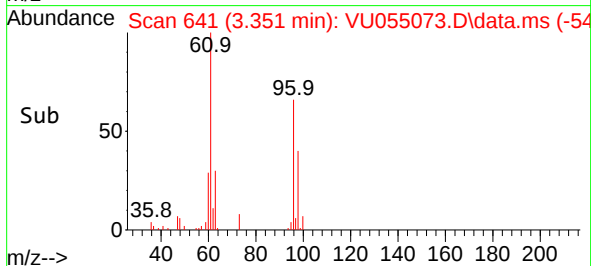


#18
trans-1,2-Dichloroethene
Concen: 2.815 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055073.D
Acq: 02 Sep 2023 04:45

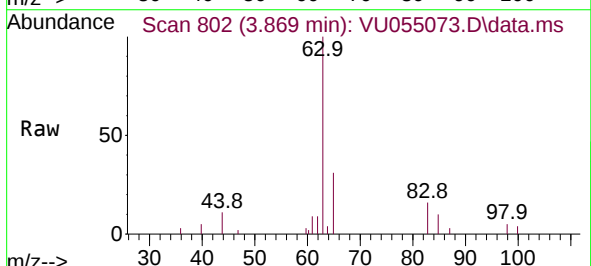
Instrument :
MSVOA_U
ClientSampleId :



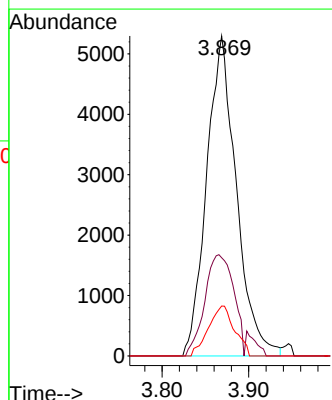
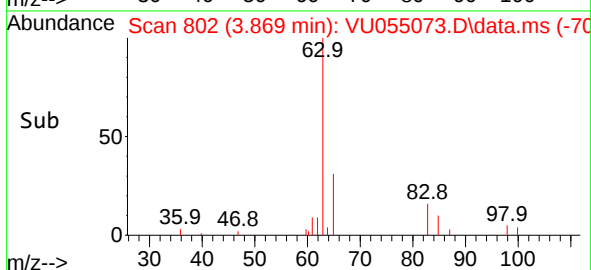
Tgt Ion: 96 Resp: 24525
Ion Ratio Lower Upper
96 100
61 152.1 108.1 200.9
98 61.1 45.4 84.4

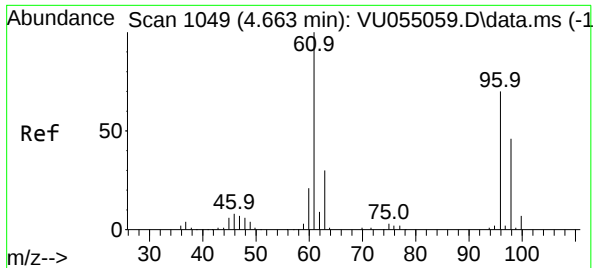


#19
1,1-Dichloroethane
Concen: 0.671 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.003 min
Lab File: VU055073.D
Acq: 02 Sep 2023 04:45



Tgt Ion: 63 Resp: 12627
Ion Ratio Lower Upper
63 100
65 29.5 22.2 41.2
83 15.0 10.6 19.8





#22

cis-1,2-Dichloroethene

Concen: 229.462 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU055073.D

Acq: 02 Sep 2023 04:45

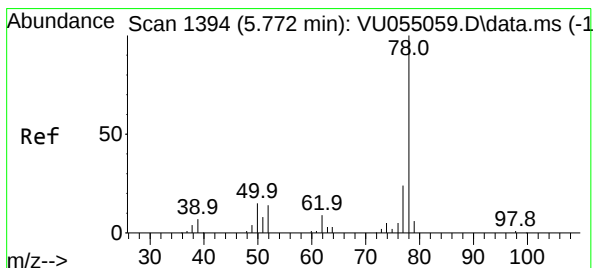
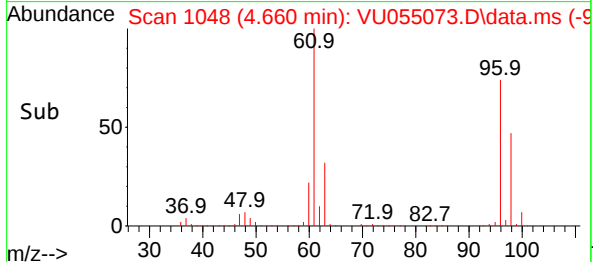
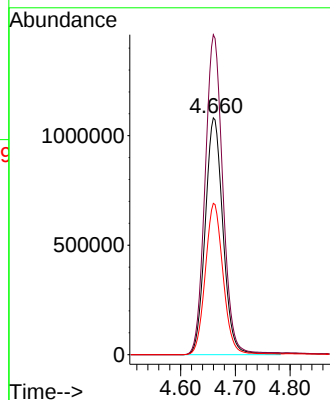
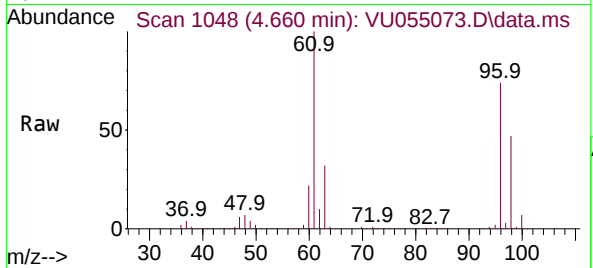
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 2447090

Ion	Ratio	Lower	Upper
96	100		
61	135.1	97.2	180.4
98	63.9	46.1	85.7



#33

Benzene

Concen: 0.246 ug/L

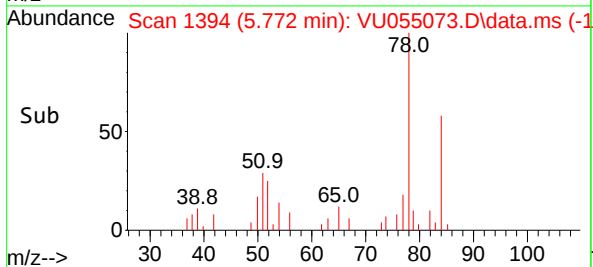
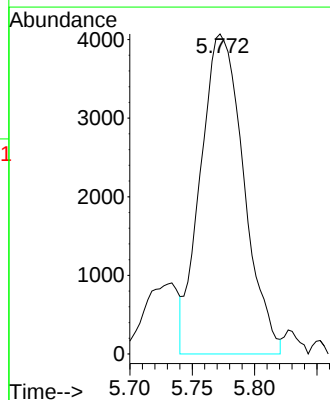
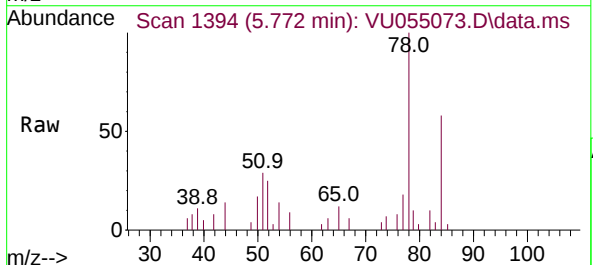
RT: 5.772 min Scan# 1394

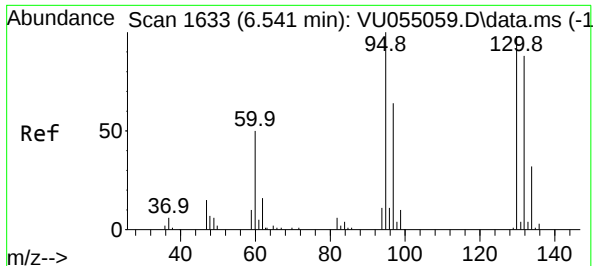
Delta R.T. 0.000 min

Lab File: VU055073.D

Acq: 02 Sep 2023 04:45

Tgt Ion: 78 Resp: 9820

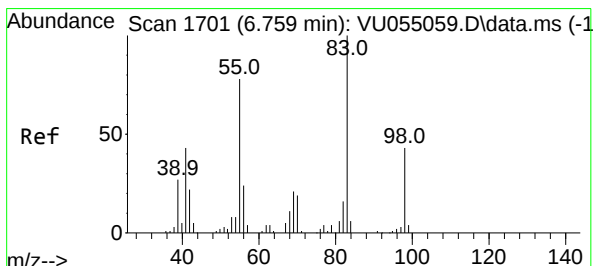
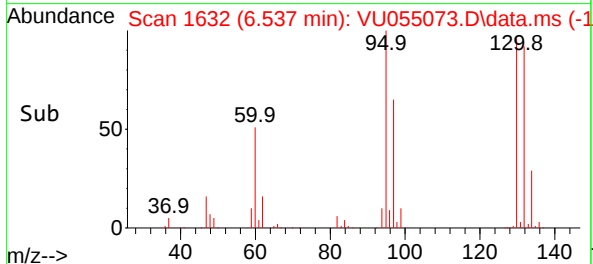
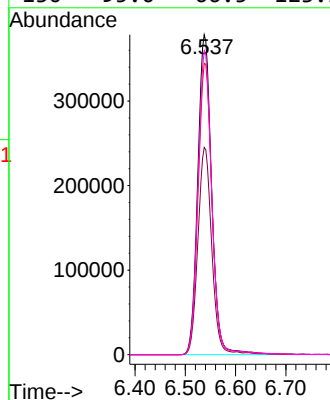
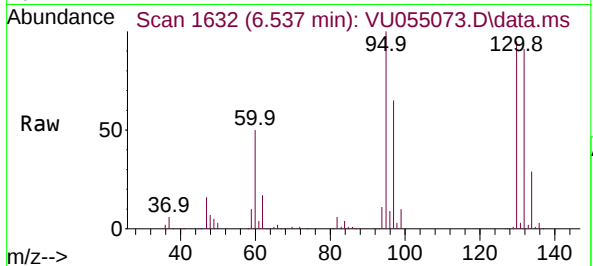




#34
Trichloroethene
Concen: 65.772 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU055073.D
Acq: 02 Sep 2023 04:45

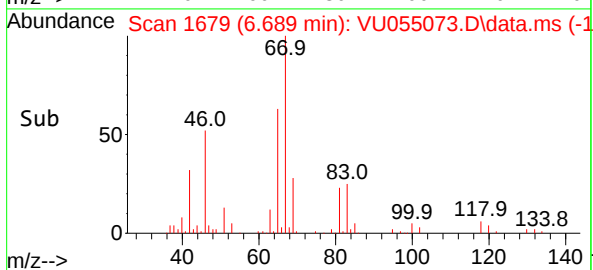
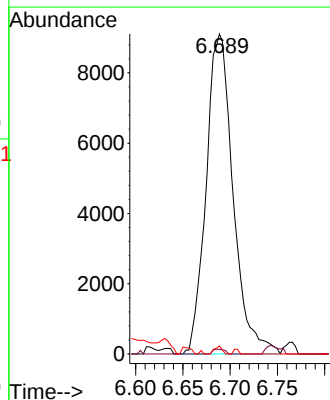
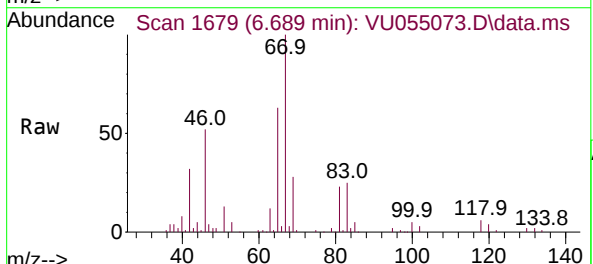
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MSVOA_U
ClientSampleId :

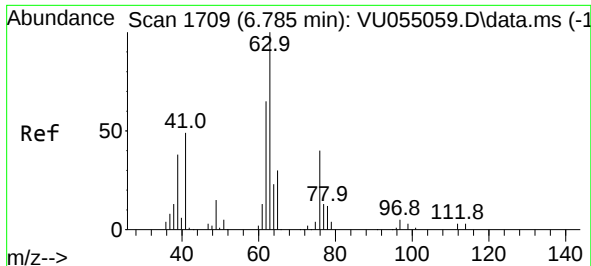
Tgt Ion: 95 Resp: 729412
Ion Ratio Lower Upper
95 100
97 64.7 44.7 83.1
132 91.0 66.6 123.6
130 95.0 66.5 123.5



#35
Methylcyclohexane
Concen: 1.161 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU055073.D
Acq: 02 Sep 2023 04:45

Tgt Ion: 83 Resp: 18060
Ion Ratio Lower Upper
83 100
55 0.6 60.4 90.6#
98 0.0 35.3 52.9#





#37

1,2-Dichloropropane

Concen: 0.820 ug/L

RT: 6.689 min Scan# 1

Delta R.T. -0.096 min

Lab File: VU055073.D

Acq: 02 Sep 2023 04:45

Instrument :

MSVOA_U

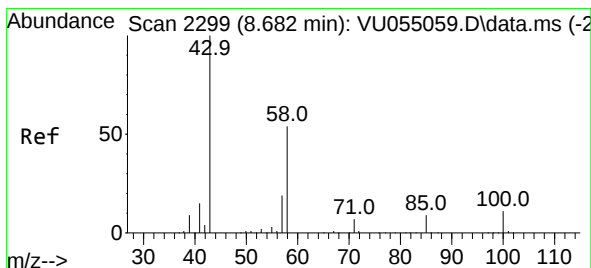
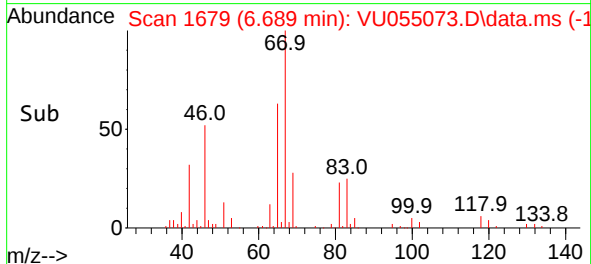
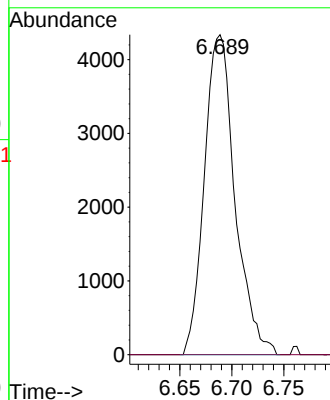
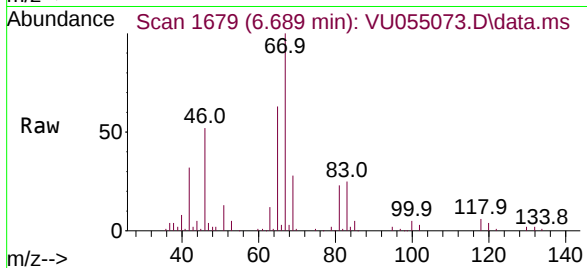
ClientSampleId :

Tgt Ion: 63 Resp: 8909

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#48

2-Hexanone

Concen: 3.549 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU055073.D

Acq: 02 Sep 2023 04:45

Tgt Ion: 43 Resp: 17229

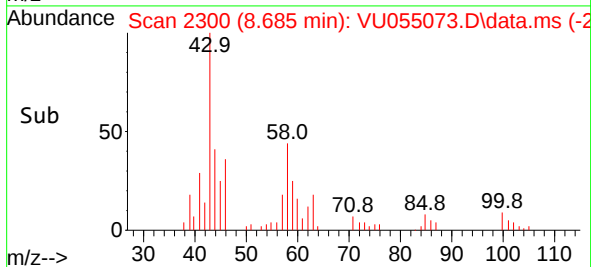
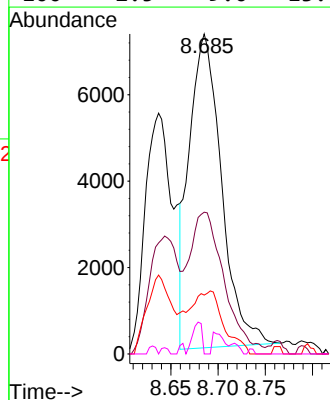
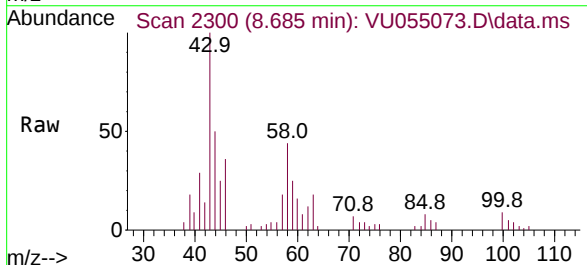
Ion Ratio Lower Upper

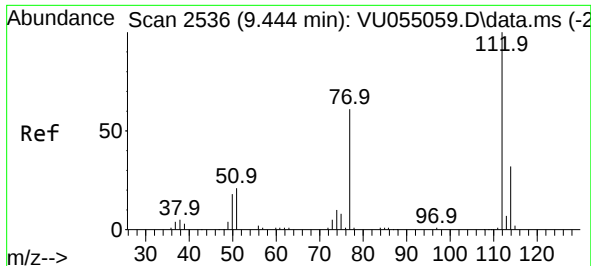
43 100

58 48.2 44.0 66.0

57 19.4 16.2 24.2

100 2.5 9.0 13.4#

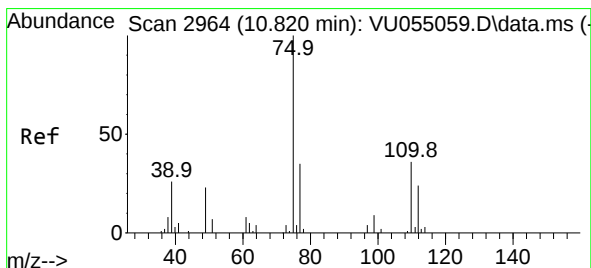
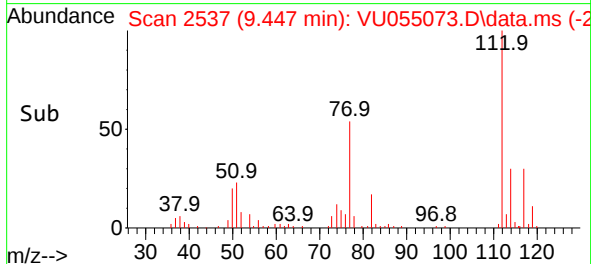
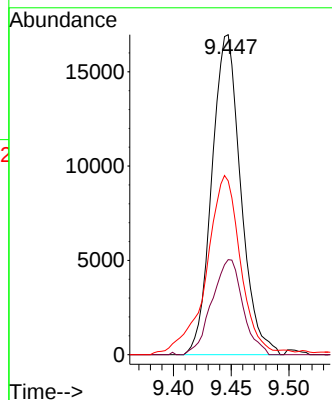
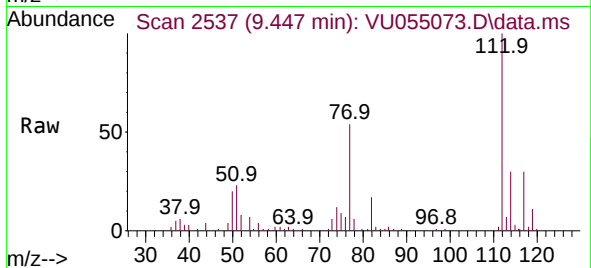




#51
Chlorobenzene
Concen: 1.049 ug/L
RT: 9.447 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055073.D
Acq: 02 Sep 2023 04:45

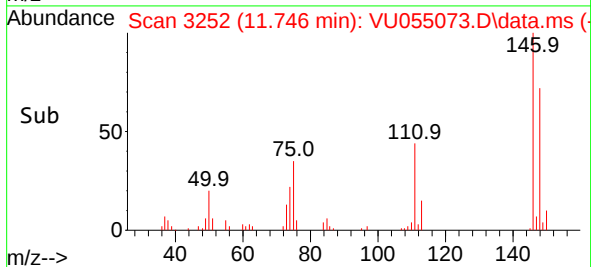
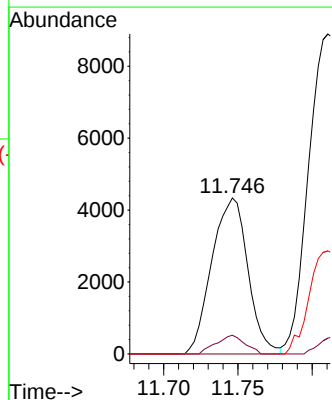
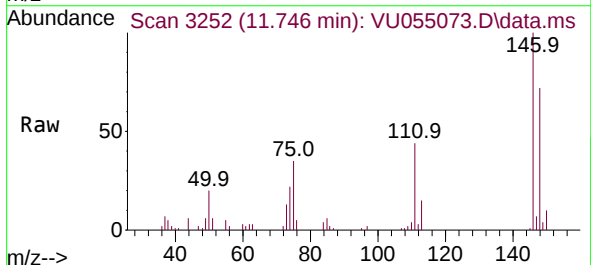
Instrument :
MSVOA_U
ClientSampleId :

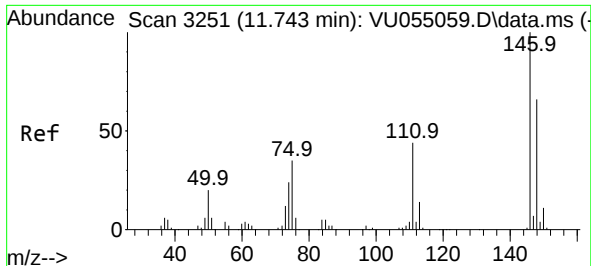
Tgt Ion:112 Resp: 29545
Ion Ratio Lower Upper
112 100
114 29.7 21.7 40.3
77 54.3 48.6 72.8



#61
1,2,3-Trichloropropane
Concen: 1.098 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.926 min
Lab File: VU055073.D
Acq: 02 Sep 2023 04:45

Tgt Ion: 75 Resp: 7335
Ion Ratio Lower Upper
75 100
110 9.5 28.2 42.2#
77 0.0 26.2 39.4#





#64

1,3-Dichlorobenzene

Concen: 0.888 ug/L

RT: 11.746 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055073.D

Acq: 02 Sep 2023 04:45

Instrument :

MSVOA_U

ClientSampleId :

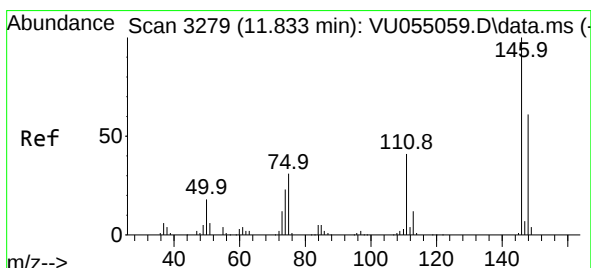
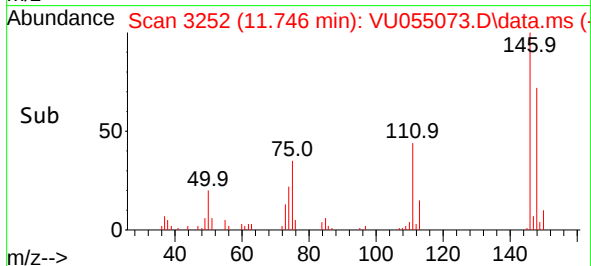
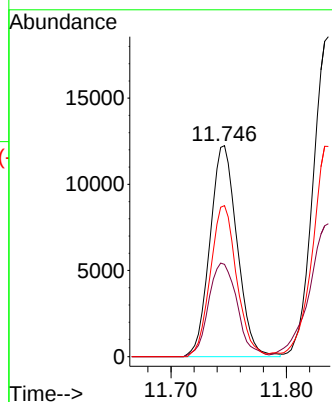
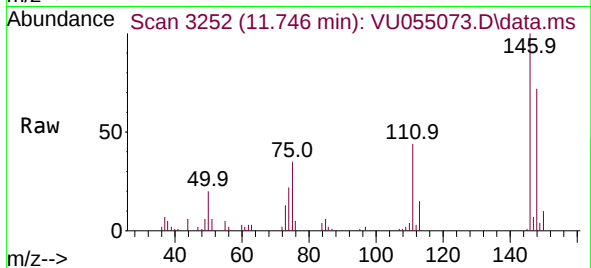
Tgt Ion:146 Resp: 20020

Ion Ratio Lower Upper

146 100

111 43.8 30.0 55.6

148 71.6 45.2 84.0



#65

1,4-Dichlorobenzene

Concen: 1.388 ug/L

RT: 11.836 min Scan# 3280

Delta R.T. 0.003 min

Lab File: VU055073.D

Acq: 02 Sep 2023 04:45

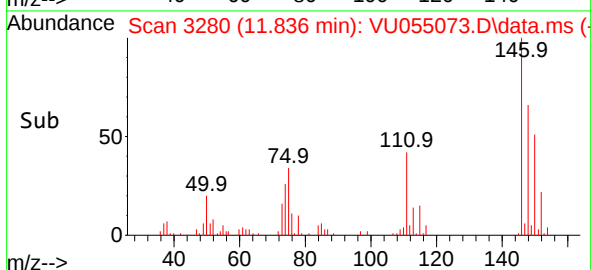
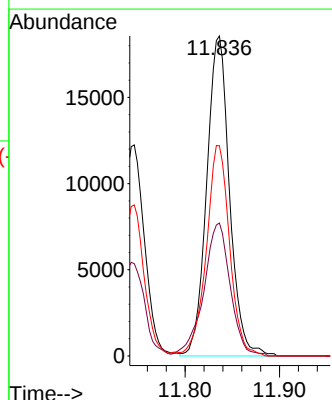
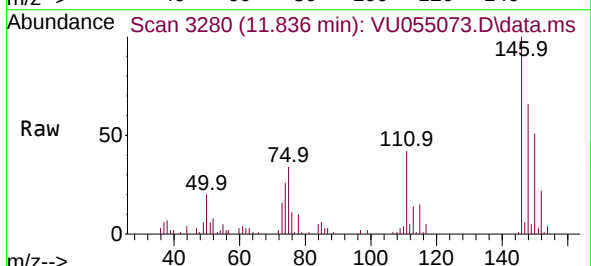
Tgt Ion:146 Resp: 31160

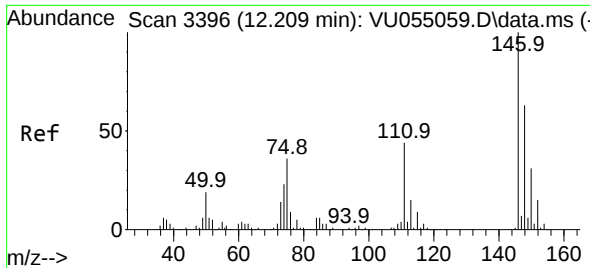
Ion Ratio Lower Upper

146 100

111 41.5 28.1 52.1

148 65.7 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 1.619 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU055073.D

Acq: 02 Sep 2023 04:45

Instrument :

MSVOA_U

ClientSampleId :

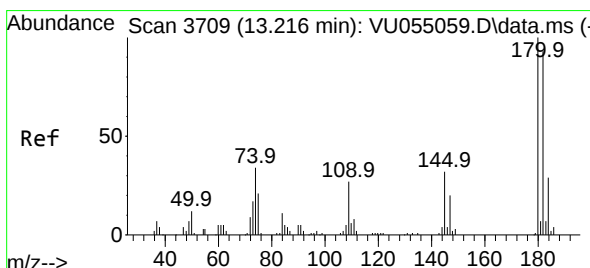
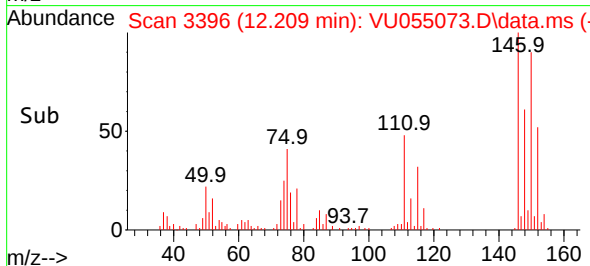
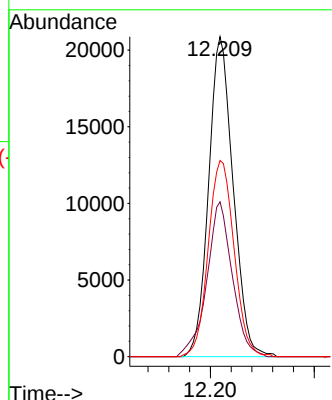
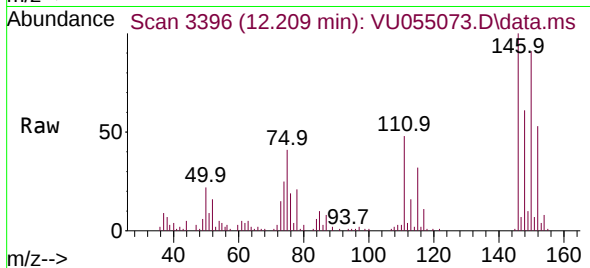
Tgt Ion:146 Resp: 34211

Ion Ratio Lower Upper

146 100

111 48.4 35.6 53.4

148 61.3 51.3 76.9



#69

1,3,5-Trichlorobenzene

Concen: 1.204 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.624 min

Lab File: VU055073.D

Acq: 02 Sep 2023 04:45

Tgt Ion:180 Resp: 20507

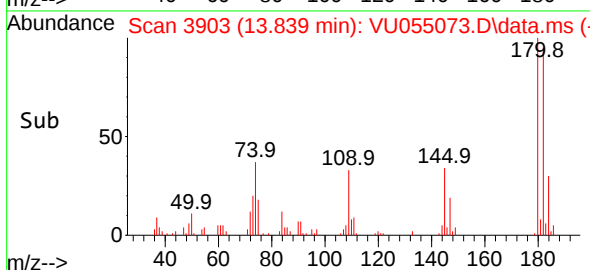
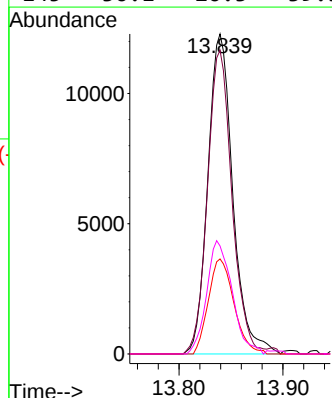
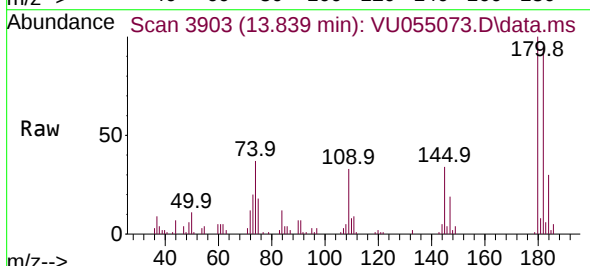
Ion Ratio Lower Upper

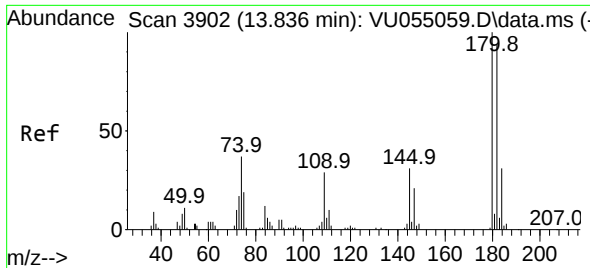
180 100

182 92.9 75.8 113.6

184 30.4 24.0 36.0

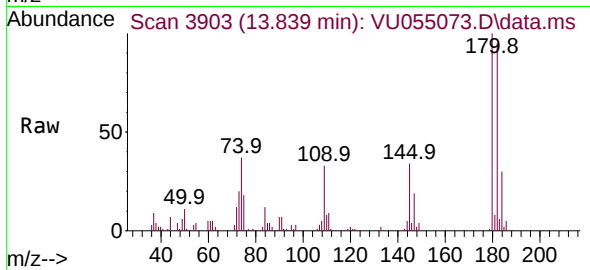
145 36.1 26.3 39.5



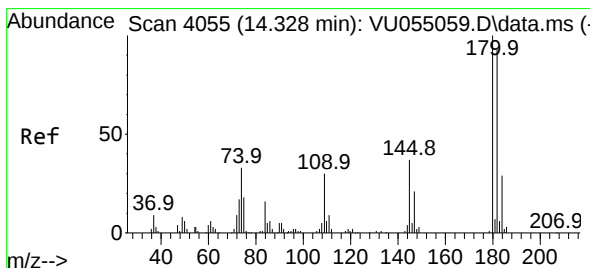
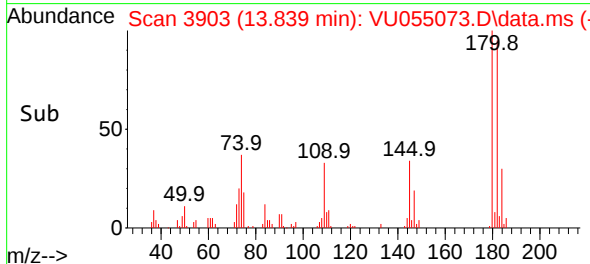
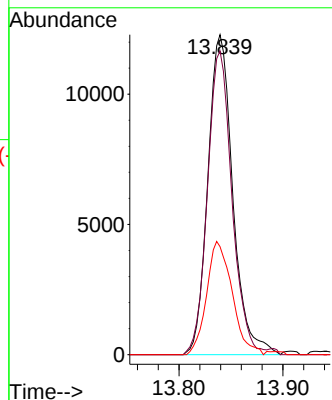


#70
1,2,4-trichlorobenzene
Concen: 1.284 ug/L
RT: 13.839 min Scan# 3902
Delta R.T. 0.003 min
Lab File: VU055073.D
Acq: 02 Sep 2023 04:45

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:180 Resp: 20507
Ion Ratio Lower Upper
180 100
182 92.9 73.6 110.4
145 36.1 25.8 38.8



#72
1,2,3-Trichlorobenzene
Concen: 0.548 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.003 min
Lab File: VU055073.D
Acq: 02 Sep 2023 04:45

Tgt Ion:180 Resp: 7594
Ion Ratio Lower Upper
180 100
182 105.2 75.6 113.4
145 39.8 27.0 40.6

