

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055209.D
 Acq On : 08 Sep 2023 00:56
 Operator : MD/SY
 Sample : 04307-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 08 06:38:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 08 06:18:43 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	179697	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	180025	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	90704	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	28047	3.330	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	66.600%	
7) Chloroethane-d5	1.907	69	38616	3.961	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	79.200%	
11) 1,1-Dichloroethene-d2	2.563	65	18582	3.872	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	77.400%	
20) 2-Butanone-d5	4.627	46	146236	59.834	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	119.660%	
24) Chloroform-d	5.058	84	105583	4.724	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.400%	
26) 1,2-Dichloroethane-d4	5.701	65	55853	4.995	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	100.000%	
32) Benzene-d6	5.727	84	199913	4.499	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	90.000%	
36) 1,2-Dichloropropane-d6	6.692	67	66253	4.688	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	93.800%	
41) Toluene-d8	7.897	98	170411	4.163	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	83.200%	
43) trans-1,3-Dichloroprop...	8.180	79	15832	4.068	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	81.400%	
46) 2-Hexanone-d5	8.634	63	74950	47.431	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	94.860%	
56) 1,1,2,2-Tetrachloroeth...	10.756	84	52340	5.266	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	105.400%	
66) 1,2-Dichlorobenzene-d4	12.193	152	60517	4.571	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	91.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	2424	0.228	ug/L	92
5) Vinyl chloride	1.599	62	6088	0.543	ug/L	96
12) 1,1-Dichloroethene	2.573	96	1010	0.122	ug/L #	1
17) Methyl tert-butyl Ether	3.364	73	4040	0.185	ug/L #	67
18) trans-1,2-Dichloroethene	3.357	96	4576	0.543	ug/L	83
22) cis-1,2-Dichloroethene	4.663	96	606780	58.809	ug/L	99
34) Trichloroethene	6.541	95	278061	26.113	ug/L	98
35) Methylcyclohexane	6.688	83	14515	0.972	ug/L #	23
37) 1,2-Dichloropropane	6.685	63	8025	0.769	ug/L #	88
48) 2-Hexanone	8.685	43	26410	5.666	ug/L #	88
61) 1,2,3-Trichloropropane	11.749	75	1536	0.255	ug/L #	48
64) 1,3-Dichlorobenzene	11.746	146	4346	0.214	ug/L	91
65) 1,4-Dichlorobenzene	11.836	146	9799	0.484	ug/L	96
67) 1,2-Dichlorobenzene	12.212	146	4191	0.220	ug/L	92
68) 1,2-Dibromo-3-chloropr...	13.016	75	954	0.823	ug/L #	9
69) 1,3,5-Trichlorobenzene	13.839	180	156162	10.177	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	156277	10.861	ug/L	96
72) 1,2,3-Trichlorobenzene	14.331	180	48301	3.868	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 08 06:18:43 2023
Response via : Initial Calibration

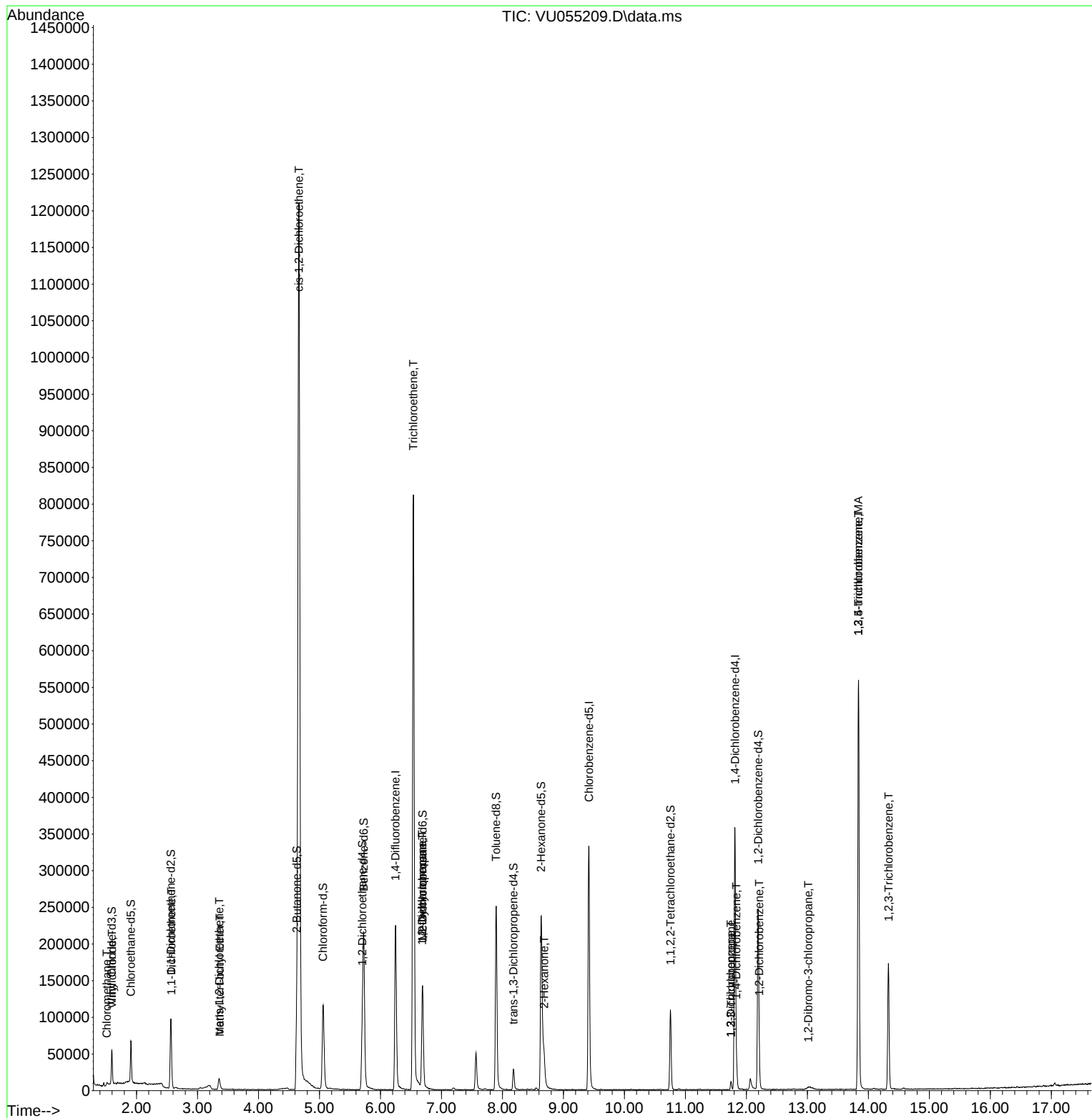
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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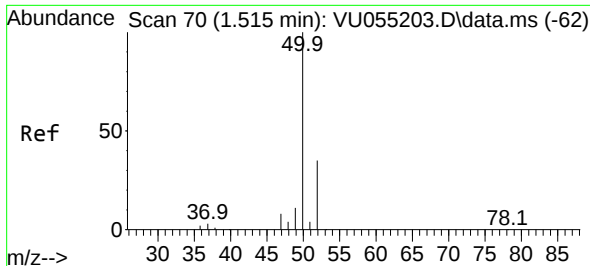
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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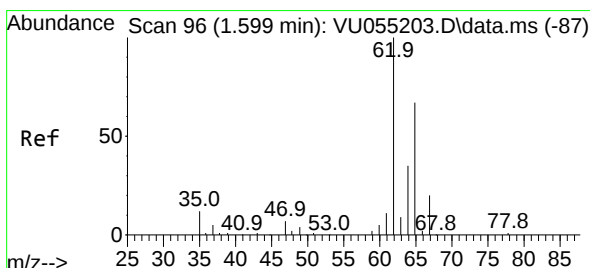
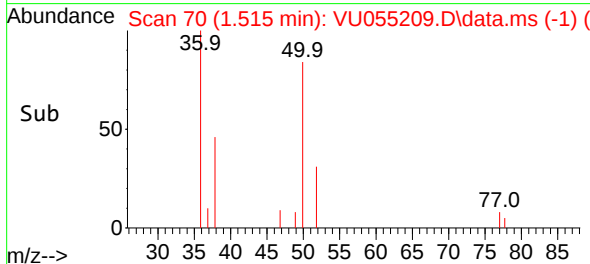
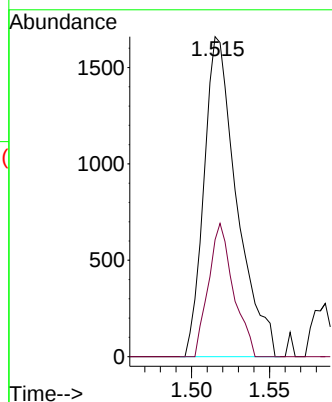
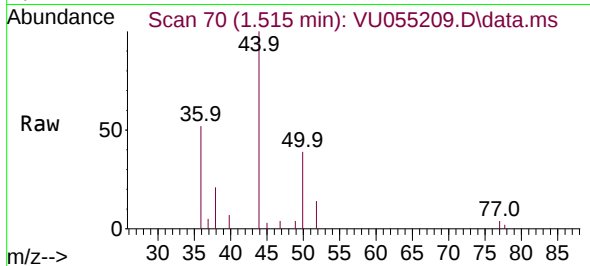




#3
Chloromethane
Concen: 0.228 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56

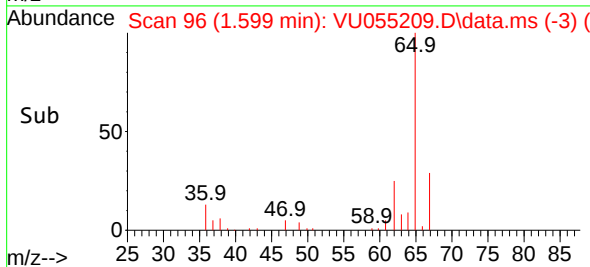
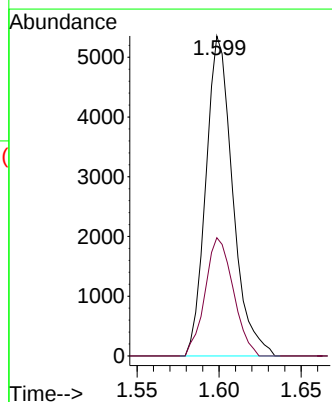
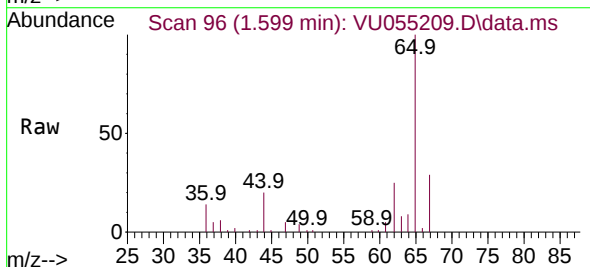
Instrument :
MSVOA_U
ClientSampleId :

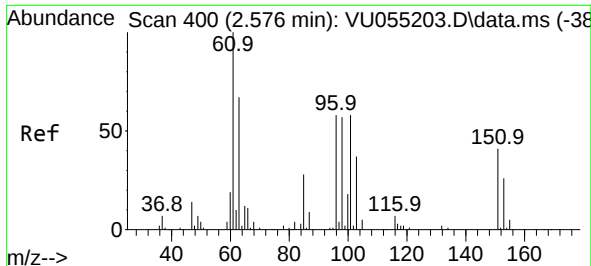
Tgt Ion: 50 Resp: 2424
Ion Ratio Lower Upper
50 100
52 36.6 22.5 41.7



#5
Vinyl chloride
Concen: 0.543 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56

Tgt Ion: 62 Resp: 6088
Ion Ratio Lower Upper
62 100
64 36.9 24.2 45.0





#12

1,1-Dichloroethene

Concen: 0.122 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU055209.D

Acq: 08 Sep 2023 00:56

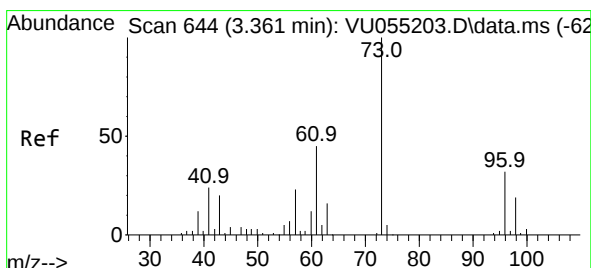
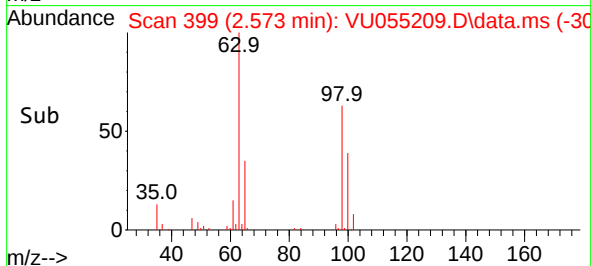
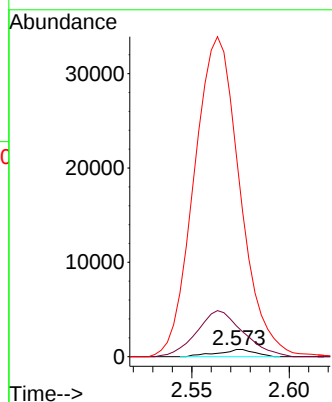
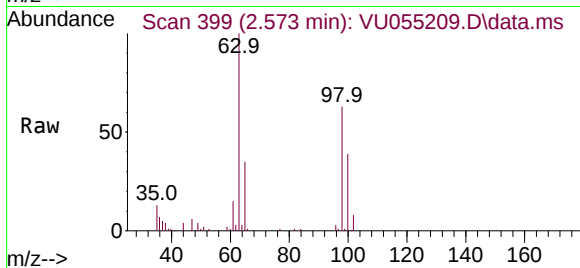
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 1010

Ion	Ratio	Lower	Upper
96	100		
61	425.4	120.8	224.4#
63	2783.3	94.5	175.5#



#17

Methyl tert-butyl Ether

Concen: 0.185 ug/L

RT: 3.364 min Scan# 645

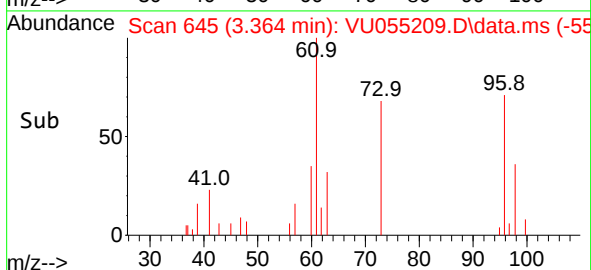
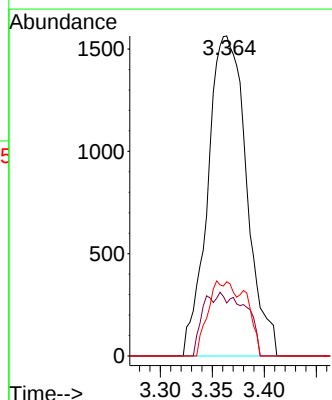
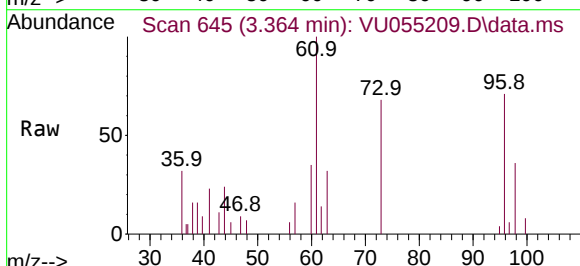
Delta R.T. 0.003 min

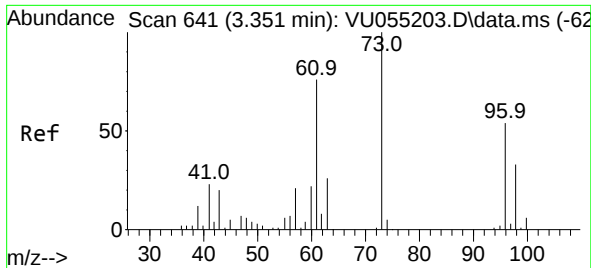
Lab File: VU055209.D

Acq: 08 Sep 2023 00:56

Tgt Ion: 73 Resp: 4040

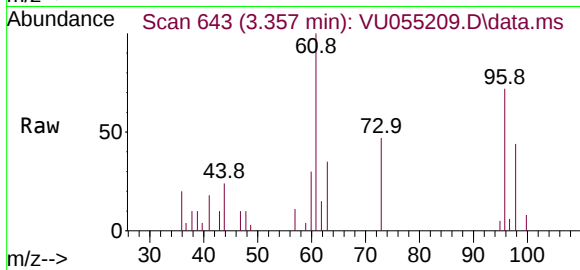
Ion	Ratio	Lower	Upper
73	100		
43	1.4	16.2	24.2#
57	9.9	17.4	26.2#



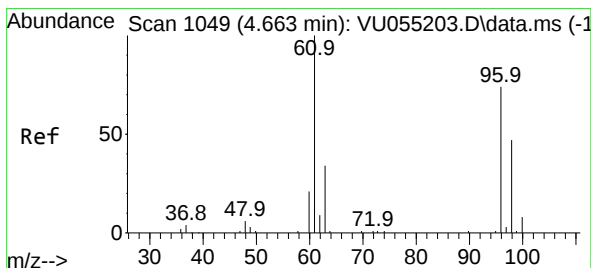
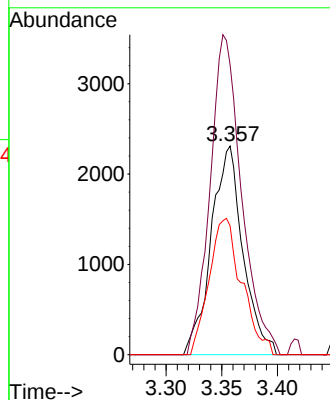
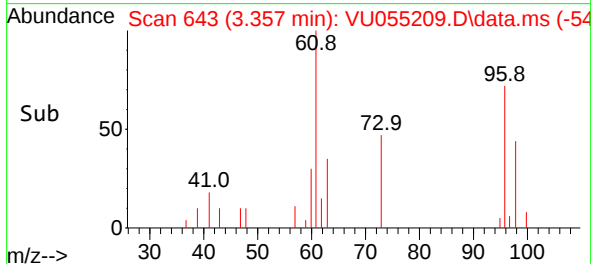


#18
trans-1,2-Dichloroethene
Concen: 0.543 ug/L
RT: 3.357 min Scan# 641
Delta R.T. 0.006 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56

Instrument :
MSVOA_U
ClientSampleId :

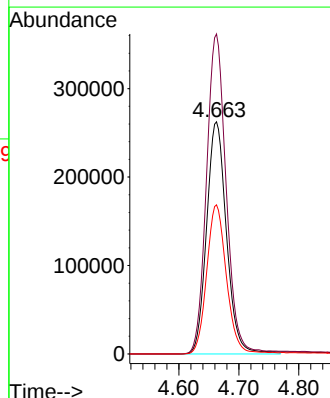
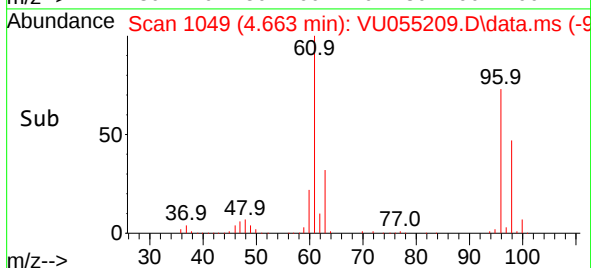
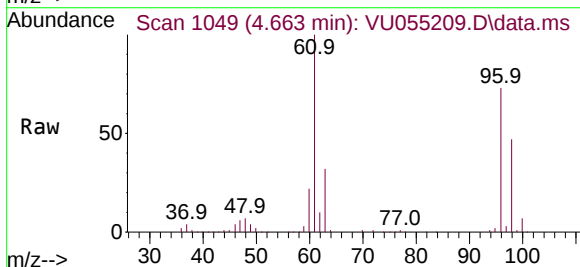


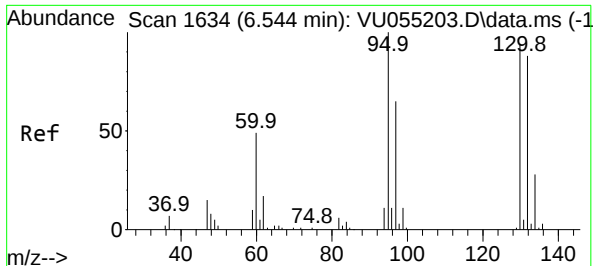
Tgt Ion: 96 Resp: 4576
Ion Ratio Lower Upper
96 100
61 128.6 108.1 200.9
98 57.2 45.4 84.4



#22
cis-1,2-Dichloroethene
Concen: 58.809 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56

Tgt Ion: 96 Resp: 606780
Ion Ratio Lower Upper
96 100
61 137.8 97.2 180.4
98 64.2 46.1 85.7

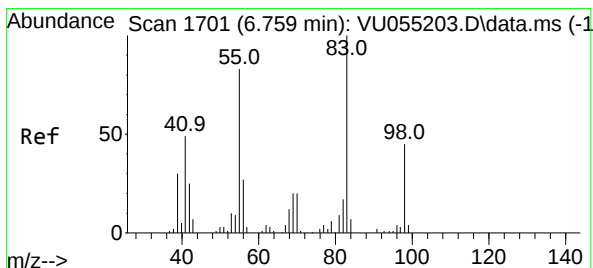
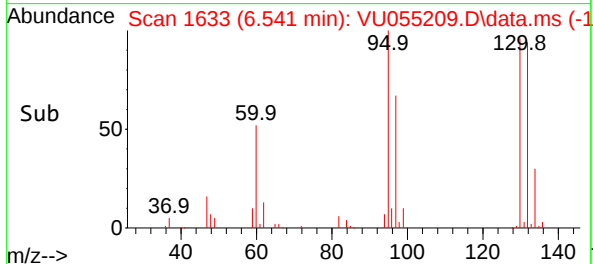
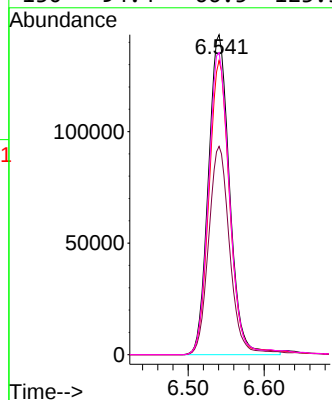
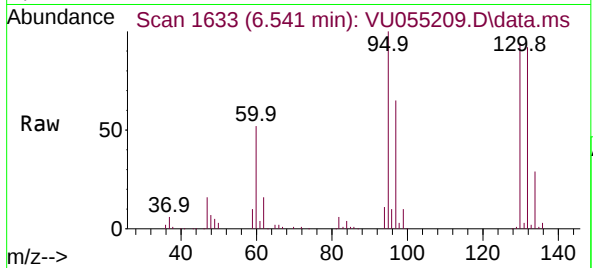




#34
Trichloroethene
Concen: 26.113 ug/L
RT: 6.541 min Scan# 1634
Delta R.T. -0.003 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56

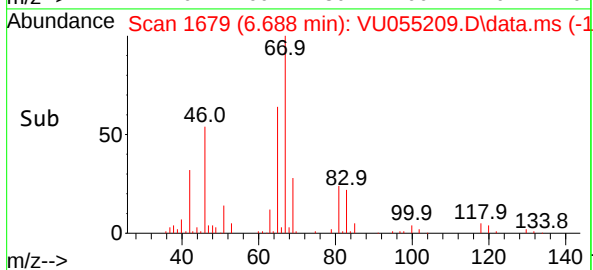
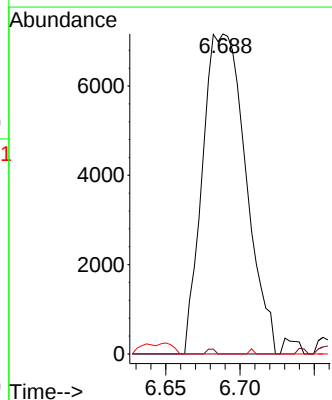
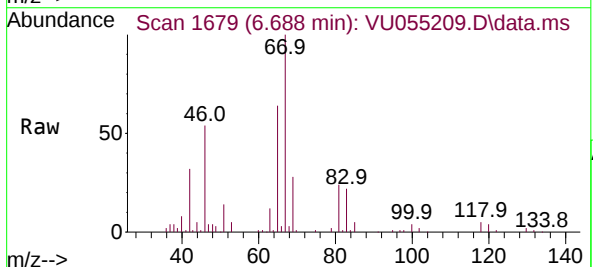
Instrument :
MSVOA_U
ClientSampleId :

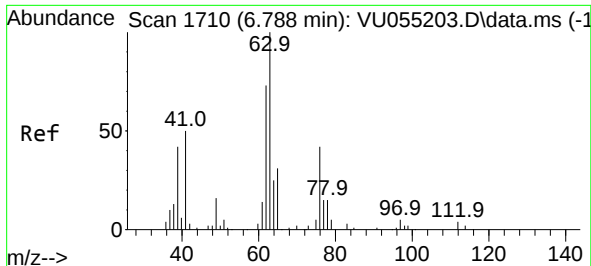
Tgt Ion: 95 Resp: 278061
Ion Ratio Lower Upper
95 100
97 65.1 44.7 83.1
132 92.0 66.6 123.6
130 94.4 66.5 123.5



#35
Methylcyclohexane
Concen: 0.972 ug/L
RT: 6.688 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56

Tgt Ion: 83 Resp: 14515
Ion Ratio Lower Upper
83 100
55 0.3 60.4 90.6#
98 6.1 35.3 52.9#





#37

1,2-Dichloropropane

Concen: 0.769 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU055209.D

Acq: 08 Sep 2023 00:56

Instrument :

MSVOA_U

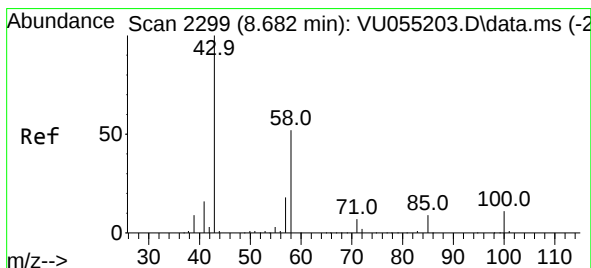
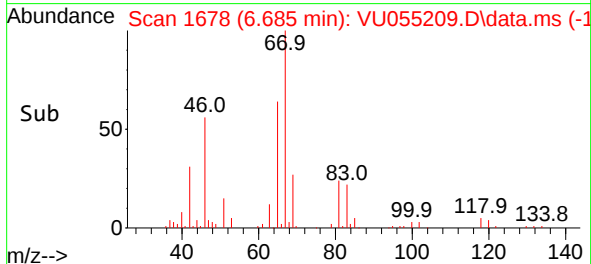
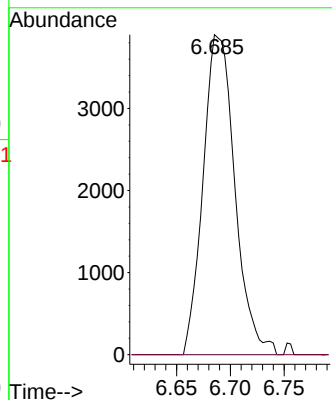
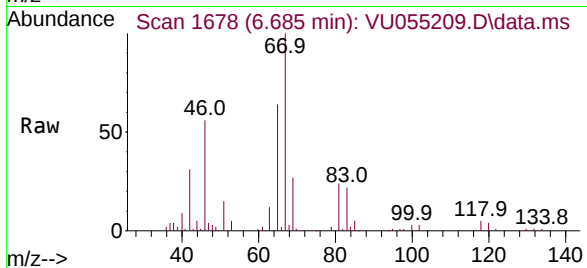
ClientSampleId :

Tgt Ion: 63 Resp: 8025

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#48

2-Hexanone

Concen: 5.666 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU055209.D

Acq: 08 Sep 2023 00:56

Tgt Ion: 43 Resp: 26410

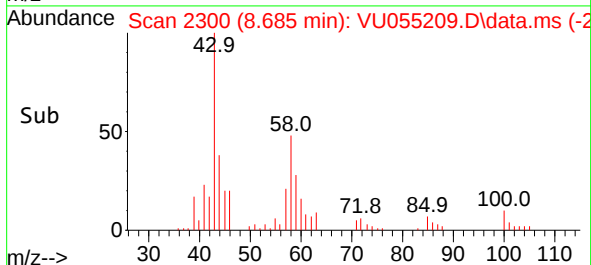
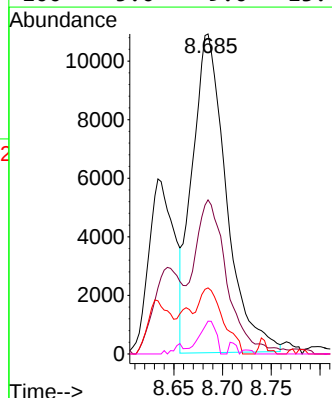
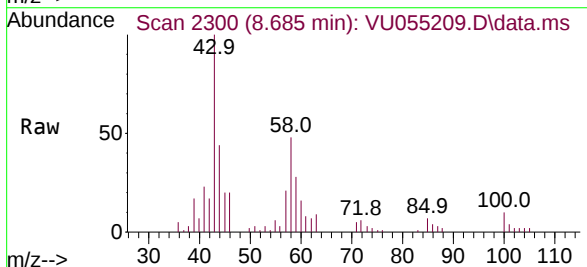
Ion Ratio Lower Upper

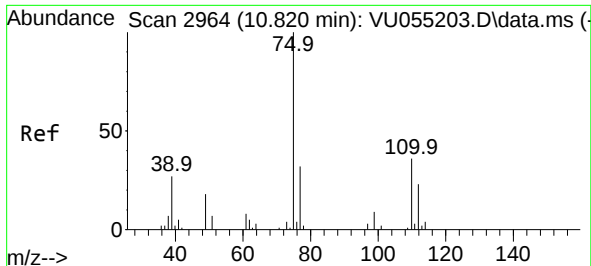
43 100

58 46.0 44.0 66.0

57 15.5 16.2 24.2#

100 5.0 9.0 13.4#

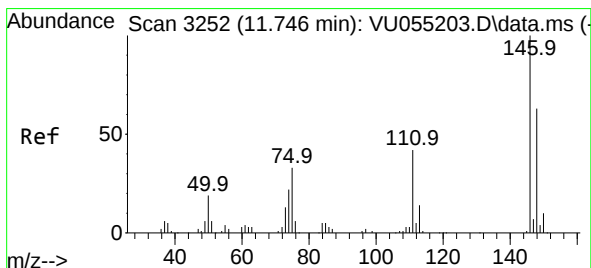
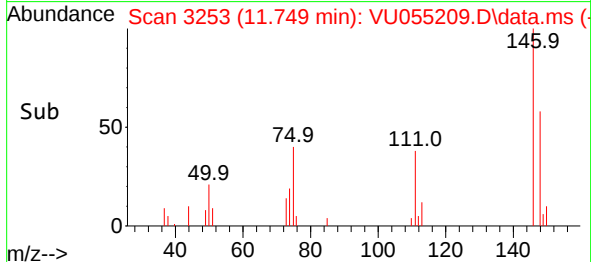
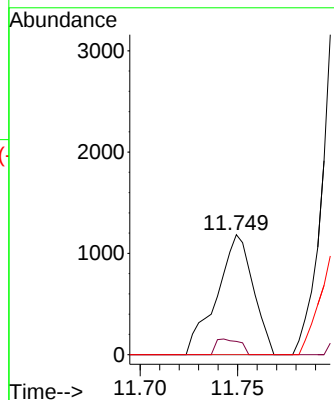
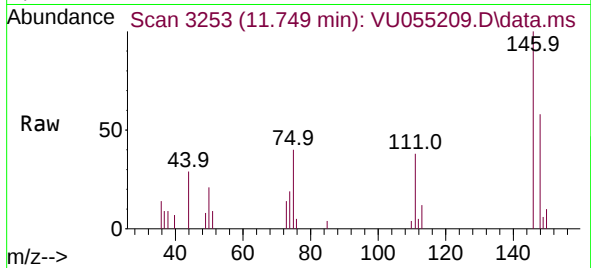




#61
1,2,3-Trichloropropane
Concen: 0.255 ug/L
RT: 11.749 min Scan# 31
Delta R.T. 0.929 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56

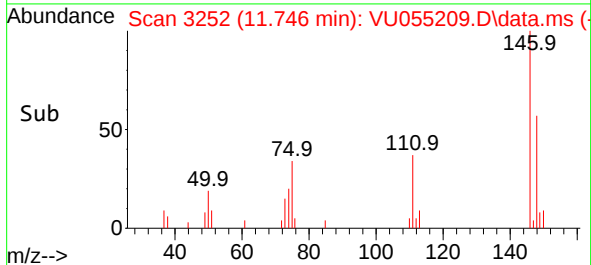
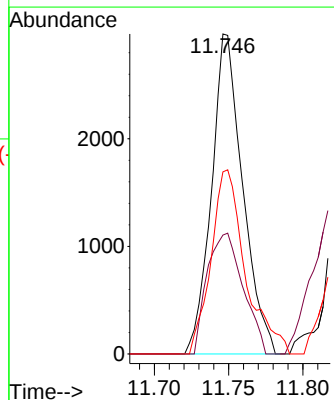
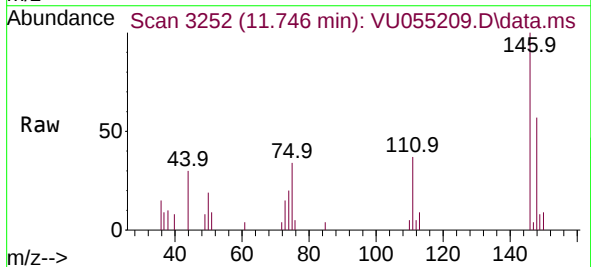
Instrument :
MSVOA_U
ClientSampleId :

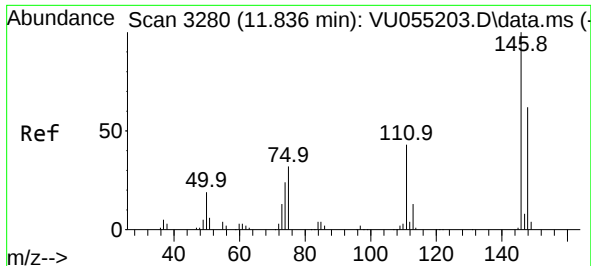
Tgt Ion: 75 Resp: 1536
Ion Ratio Lower Upper
75 100
110 8.7 28.2 42.2#
77 0.0 26.2 39.4#



#64
1,3-Dichlorobenzene
Concen: 0.214 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. -0.000 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56

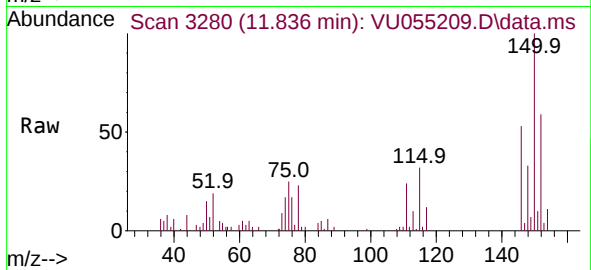
Tgt Ion:146 Resp: 4346
Ion Ratio Lower Upper
146 100
111 37.2 30.0 55.6
148 56.9 45.2 84.0



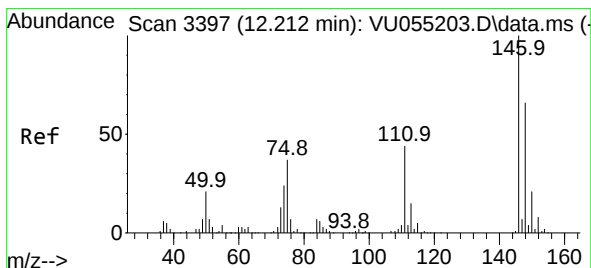
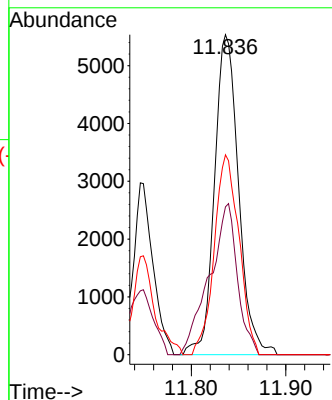
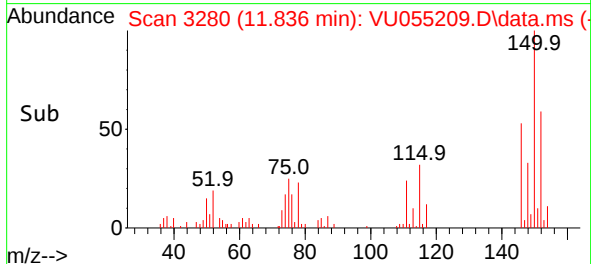


#65
1,4-Dichlorobenzene
Concen: 0.484 ug/L
RT: 11.836 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56

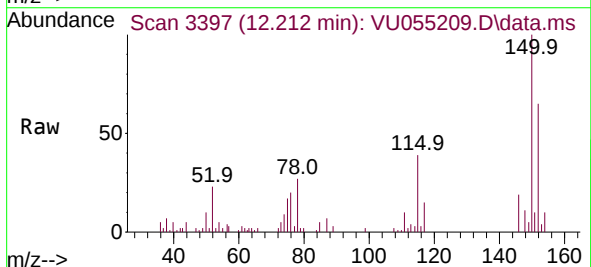
Instrument :
MSVOA_U
ClientSampleId :



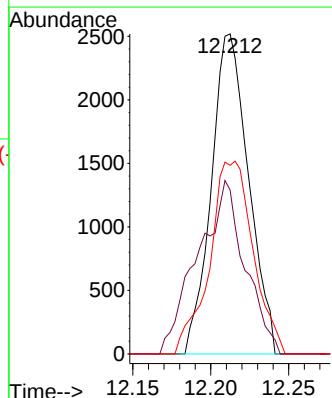
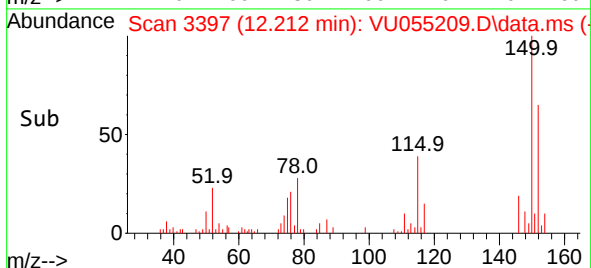
Tgt Ion:146 Resp: 9799
Ion Ratio Lower Upper
146 100
111 46.2 28.1 52.1
148 62.5 43.8 81.3

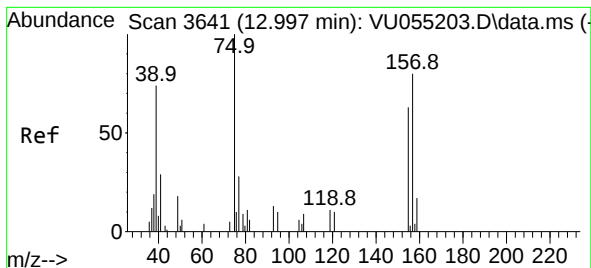


#67
1,2-Dichlorobenzene
Concen: 0.220 ug/L
RT: 12.212 min Scan# 3397
Delta R.T. -0.000 min
Lab File: VU055209.D
Acq: 08 Sep 2023 00:56



Tgt Ion:146 Resp: 4191
Ion Ratio Lower Upper
146 100
111 51.2 35.6 53.4
148 59.0 51.3 76.9

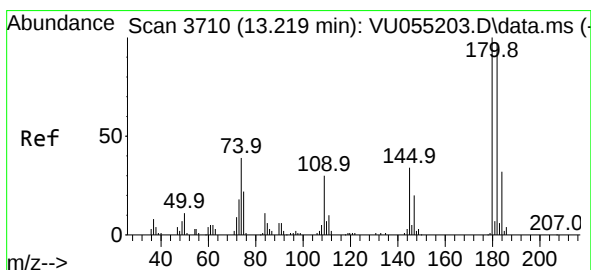
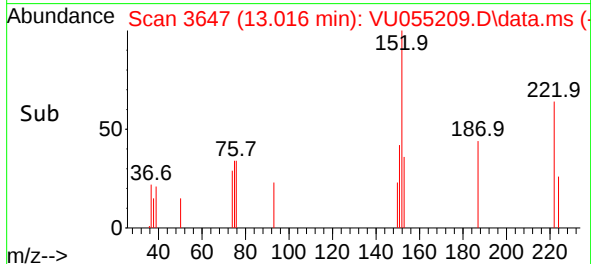
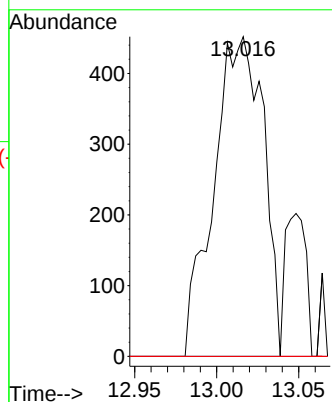
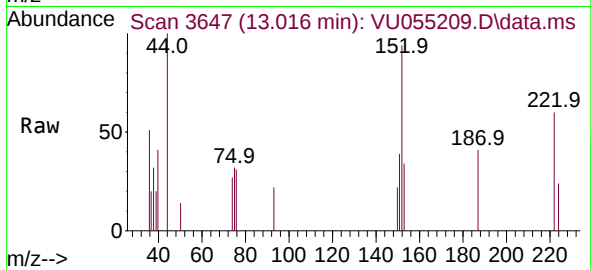




#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.823 ug/L
 RT: 13.016 min Scan# 30
 Delta R.T. 0.019 min
 Lab File: VU055209.D
 Acq: 08 Sep 2023 00:56

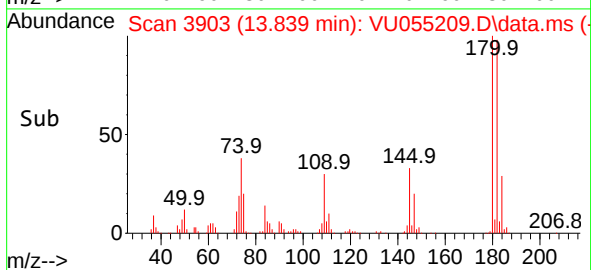
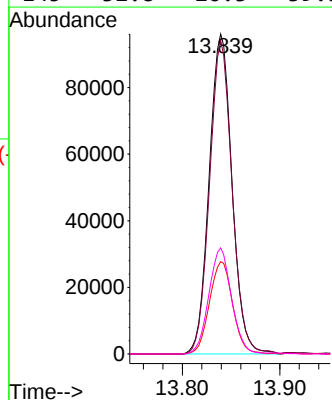
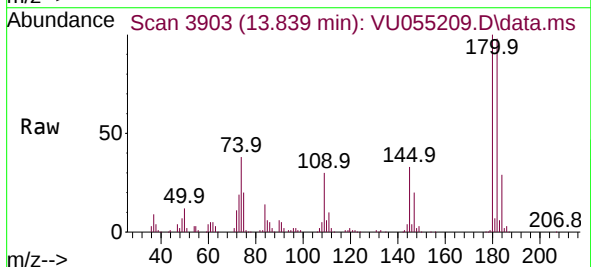
Instrument :
 MSVOA_U
 ClientSampleId :

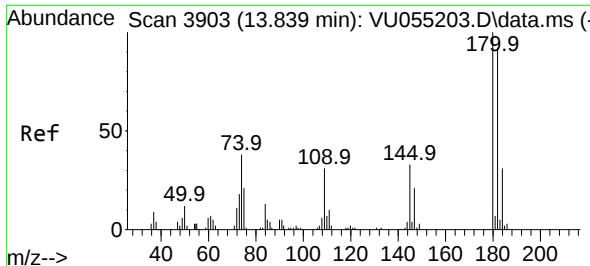
Tgt Ion: 75 Resp: 954
 Ion Ratio Lower Upper
 75 100
 155 0.0 61.1 91.7#
 157 0.0 66.8 100.2#



#69
 1,3,5-Trichlorobenzene
 Concen: 10.177 ug/L
 RT: 13.839 min Scan# 3903
 Delta R.T. 0.620 min
 Lab File: VU055209.D
 Acq: 08 Sep 2023 00:56

Tgt Ion:180 Resp: 156162
 Ion Ratio Lower Upper
 180 100
 182 96.5 75.8 113.6
 184 29.3 24.0 36.0
 145 32.8 26.3 39.5

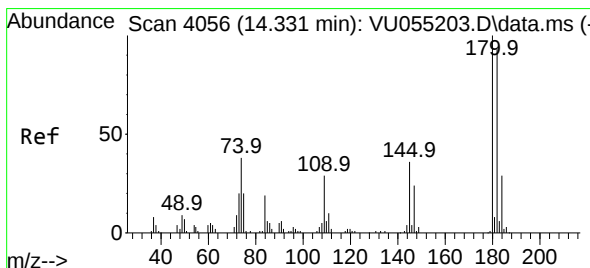
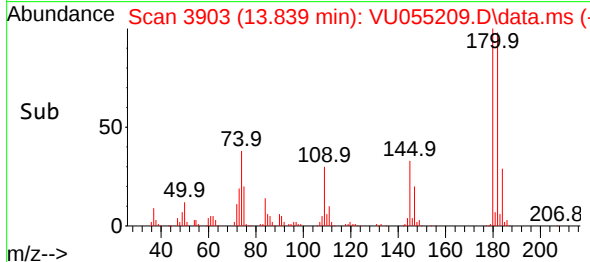
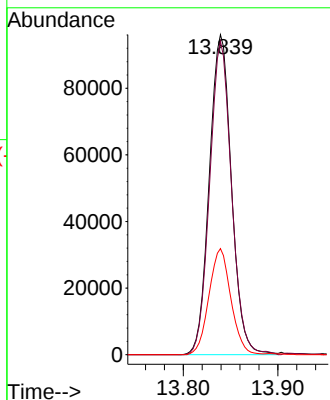
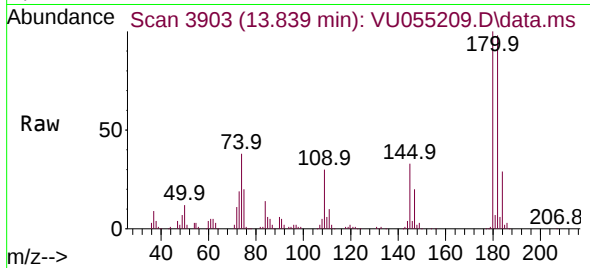




#70
 1,2,4-trichlorobenzene
 Concen: 10.861 ug/L
 RT: 13.839 min Scan# 3903
 Delta R.T. -0.000 min
 Lab File: VU055209.D
 Acq: 08 Sep 2023 00:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:180 Resp: 156277
 Ion Ratio Lower Upper
 180 100
 182 96.5 73.6 110.4
 145 32.8 25.8 38.8



#72
 1,2,3-Trichlorobenzene
 Concen: 3.868 ug/L
 RT: 14.331 min Scan# 4056
 Delta R.T. -0.000 min
 Lab File: VU055209.D
 Acq: 08 Sep 2023 00:56

Tgt Ion:180 Resp: 48301
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.6 113.4
 145 35.4 27.0 40.6

