

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055200.D
 Acq On : 07 Sep 2023 19:50
 Operator : MD/SY
 Sample : 04306-02DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 08 05:10:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 08 05:04:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	156400	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	168030	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	81035	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	27380	3.735	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.800%
7) Chloroethane-d5	1.907	69	36595	4.313	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.200%
11) 1,1-Dichloroethene-d2	2.563	65	18274	4.375	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.600%
20) 2-Butanone-d5	4.631	46	131757	61.940	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.880%
24) Chloroform-d	5.062	84	98098	5.043	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	5.701	65	52037	5.347	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.000%
32) Benzene-d6	5.727	84	188574	4.547	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
36) 1,2-Dichloropropane-d6	6.689	67	63381	4.804	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.000%
41) Toluene-d8	7.898	98	158234	4.141	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
43) trans-1,3-Dichloroprop...	8.184	79	15085	4.152	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.000%
46) 2-Hexanone-d5	8.634	63	65340	44.301	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.600%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	48764	5.256	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	57358	4.849	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						Qvalue
16) Methylene chloride	3.042	84	8532	0.772	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	21465	2.390	ug/L	98
34) Trichloroethene	6.544	95	14340	1.443	ug/L	93
35) Methylcyclohexane	6.692	83	13913	0.998	ug/L #	26
37) 1,2-Dichloropropane	6.685	63	7381	0.758	ug/L #	88
47) Tetrachloroethene	8.553	164	2355	0.343	ug/L	95
48) 2-Hexanone	8.685	43	24564	5.647	ug/L #	87
49) Dibromochloromethane	8.553	129	2206	0.308	ug/L #	9
51) Chlorobenzene	9.447	112	187638	7.431	ug/L	99
61) 1,2,3-Trichloropropane	11.749	75	2257	0.420	ug/L #	41
64) 1,3-Dichlorobenzene	11.753	146	6061	0.334	ug/L	92
65) 1,4-Dichlorobenzene	11.839	146	66029	3.652	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	9162	0.539	ug/L	91
69) 1,3,5-Trichlorobenzene	13.843	180	17811	1.299	ug/L	98
70) 1,2,4-trichlorobenzene	13.843	180	17811	1.386	ug/L	95
72) 1,2,3-Trichlorobenzene	14.335	180	5823	0.522	ug/L	94

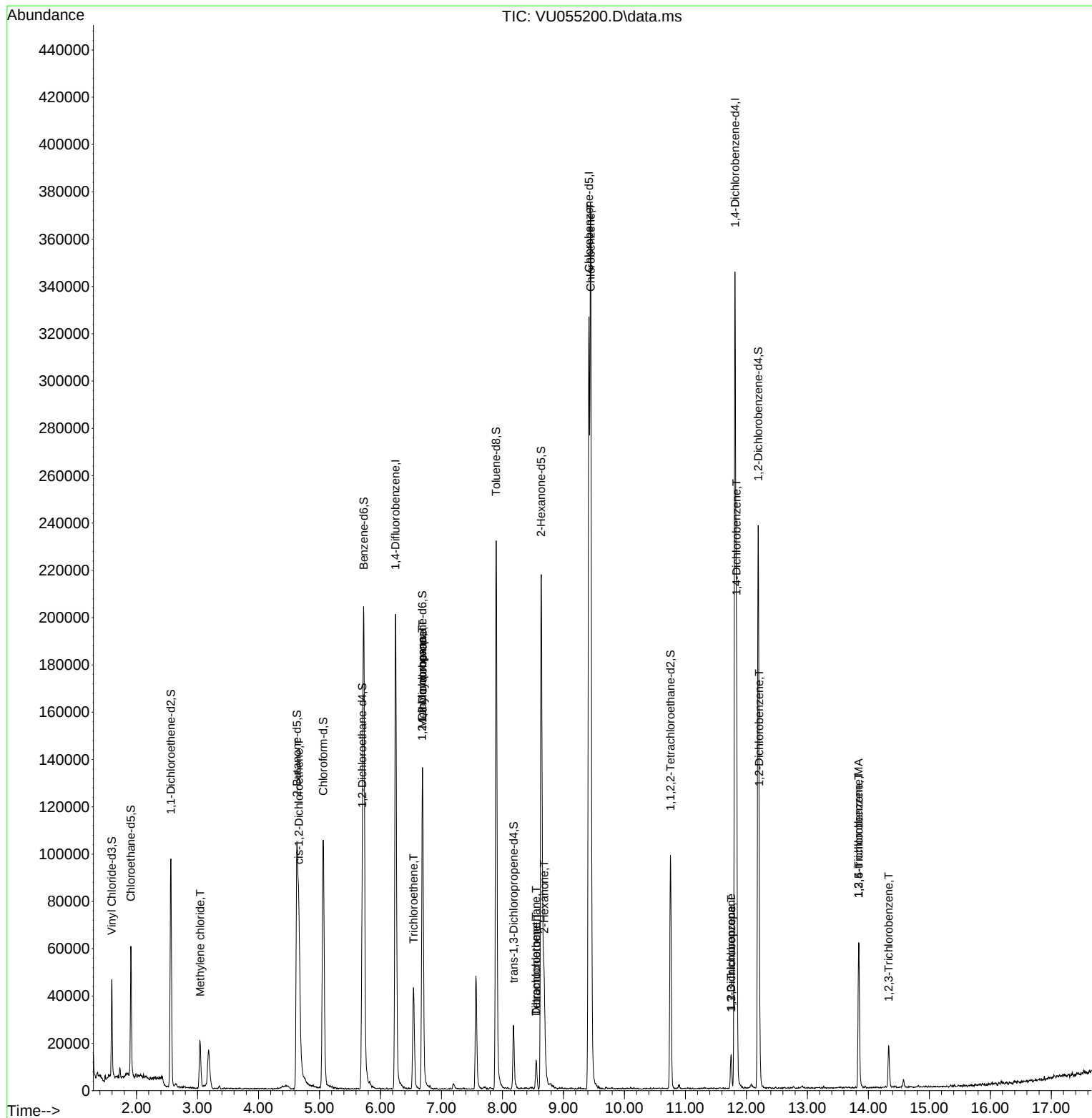
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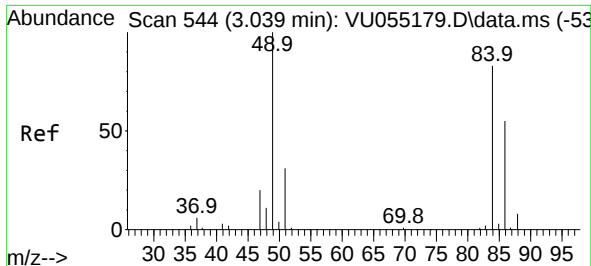
Instrument :
MSVOA_U
ClientSampleId :

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Quant Title : TRACE VOA SFAM1.0
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Response via : Initial Calibration

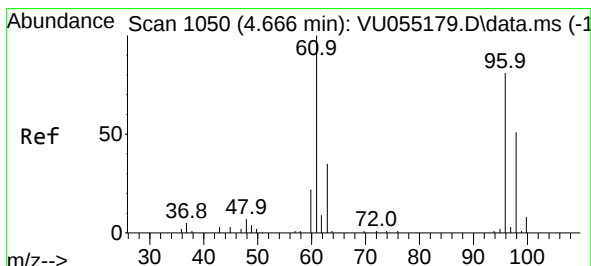
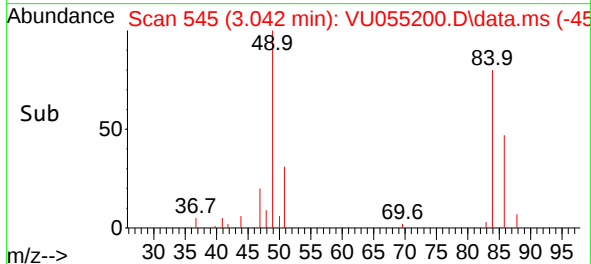
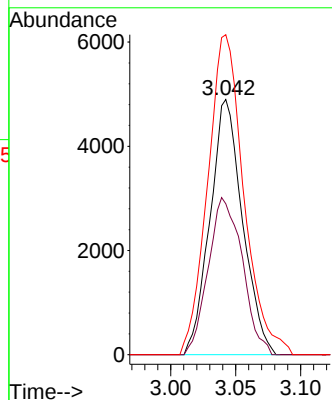
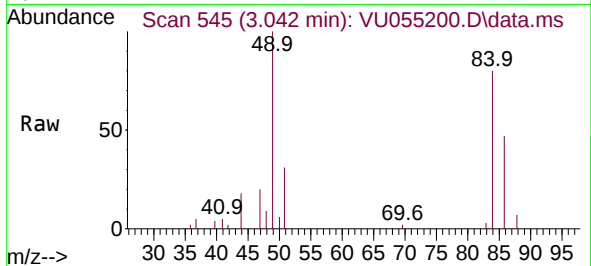




#16
Methylene chloride
Concen: 0.772 ug/L
RT: 3.042 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU055200.D
Acq: 07 Sep 2023 19:50

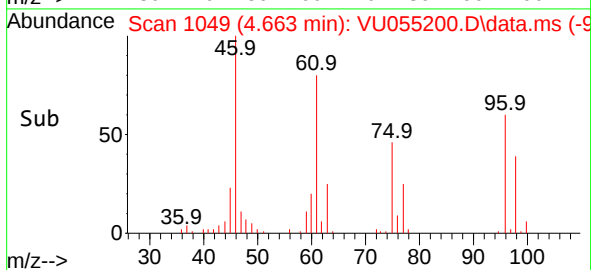
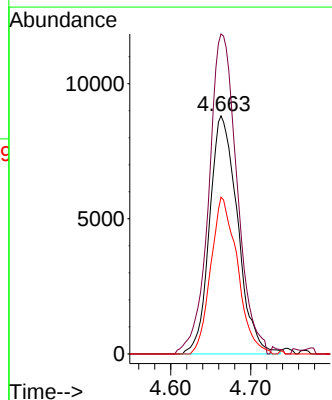
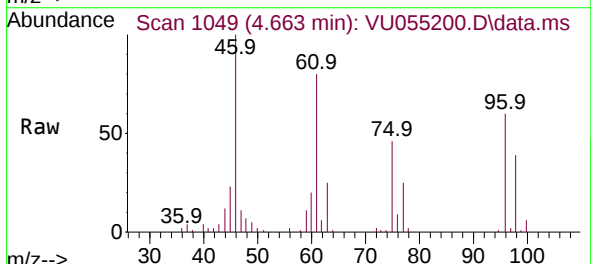
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ClientSampleId :

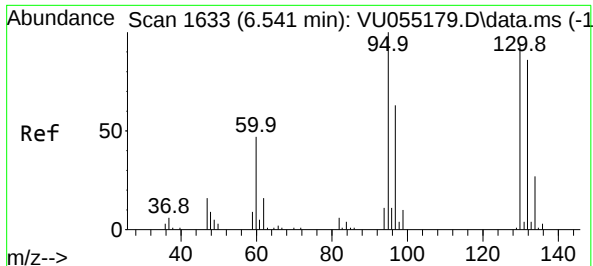
Tgt Ion: 84 Resp: 8532
Ion Ratio Lower Upper
84 100
86 59.1 43.4 80.6
49 125.4 87.7 162.9



#22
cis-1,2-Dichloroethene
Concen: 2.390 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.003 min
Lab File: VU055200.D
Acq: 07 Sep 2023 19:50

Tgt Ion: 96 Resp: 21465
Ion Ratio Lower Upper
96 100
61 134.4 97.2 180.4
98 65.9 46.1 85.7

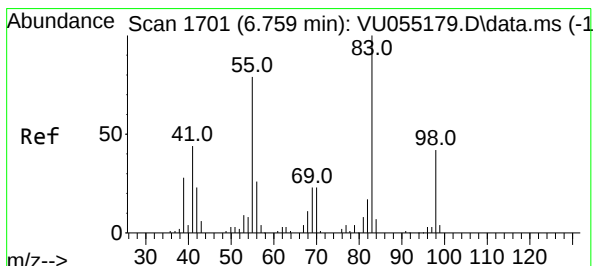
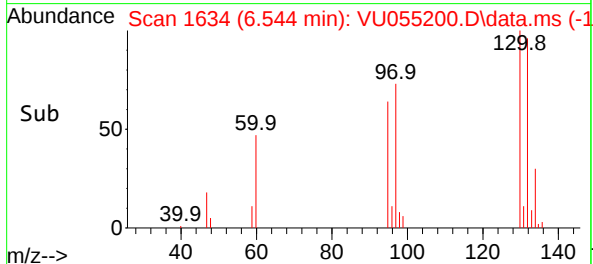
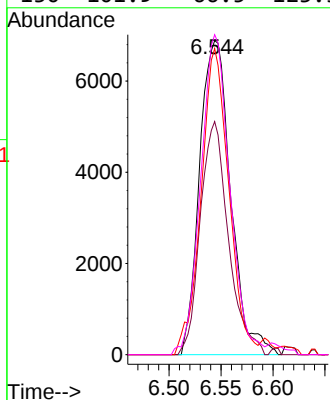
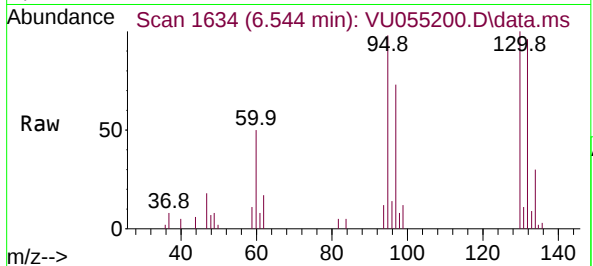




#34
Trichloroethene
Concen: 1.443 ug/L
RT: 6.544 min Scan# 1633
Delta R.T. 0.003 min
Lab File: VU055200.D
Acq: 07 Sep 2023 19:50

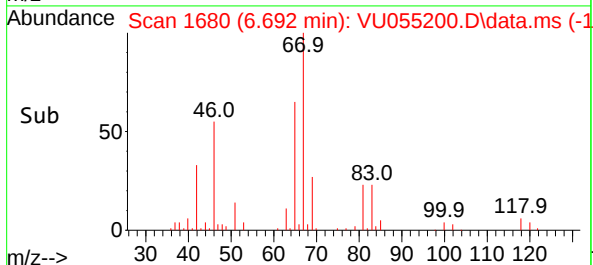
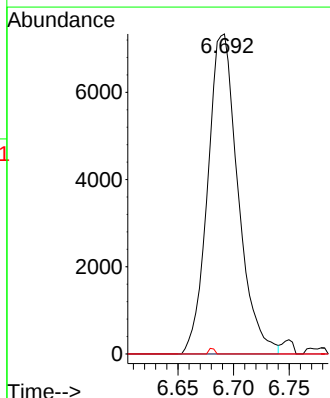
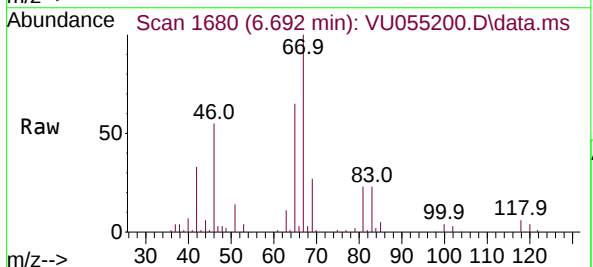
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ClientSampleId :

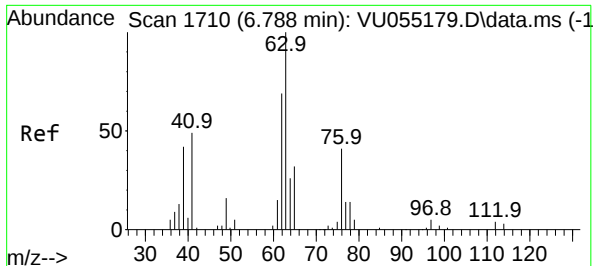
Tgt Ion: 95 Resp: 14340
Ion Ratio Lower Upper
95 100
97 74.2 44.7 83.1
132 97.4 66.6 123.6
130 101.9 66.5 123.5



#35
Methylcyclohexane
Concen: 0.998 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.068 min
Lab File: VU055200.D
Acq: 07 Sep 2023 19:50

Tgt Ion: 83 Resp: 13913
Ion Ratio Lower Upper
83 100
55 0.0 60.4 90.6#
98 12.5 35.3 52.9#

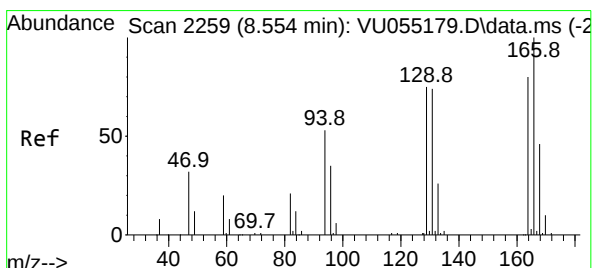
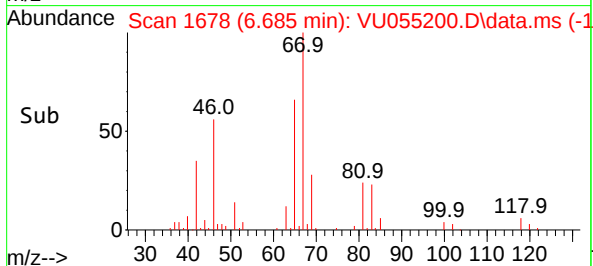
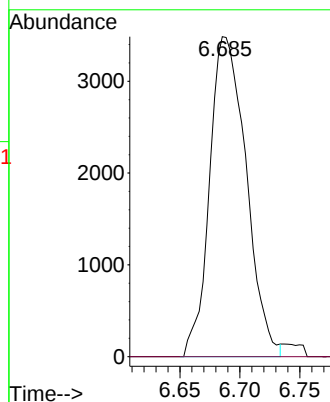
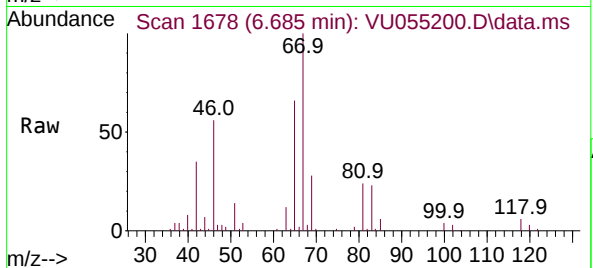




#37
1,2-Dichloropropane
Concen: 0.758 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU055200.D
Acq: 07 Sep 2023 19:50

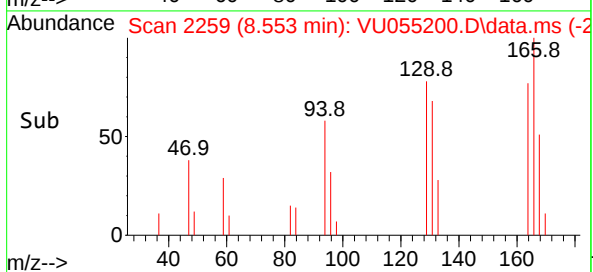
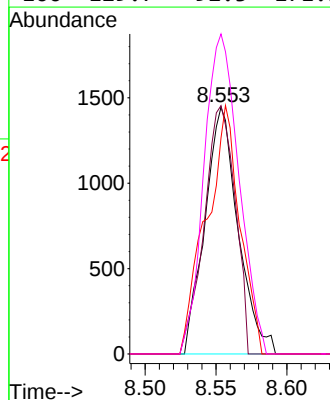
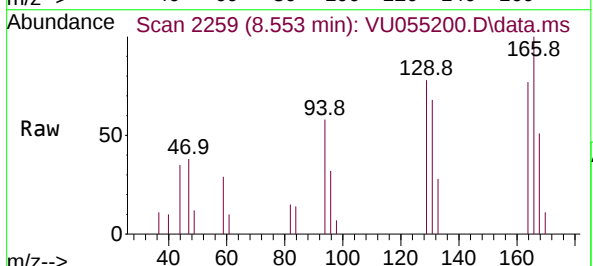
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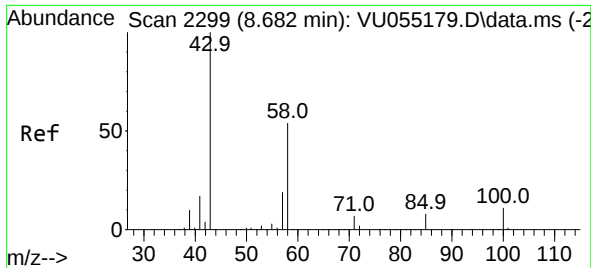
Tgt Ion: 63 Resp: 7381
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#47
Tetrachloroethene
Concen: 0.343 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.000 min
Lab File: VU055200.D
Acq: 07 Sep 2023 19:50

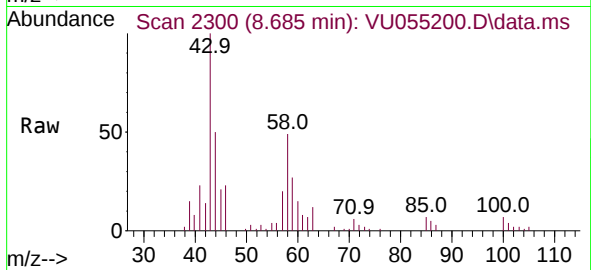
Tgt Ion: 164 Resp: 2355
Ion Ratio Lower Upper
164 100
129 100.6 69.2 128.6
131 87.5 68.8 127.8
166 129.7 92.3 171.5



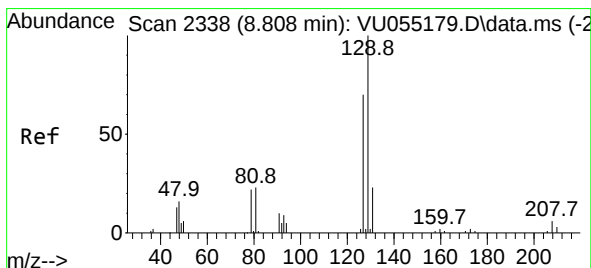
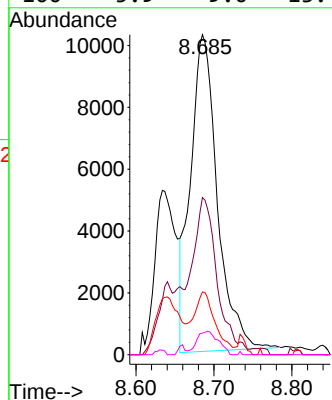
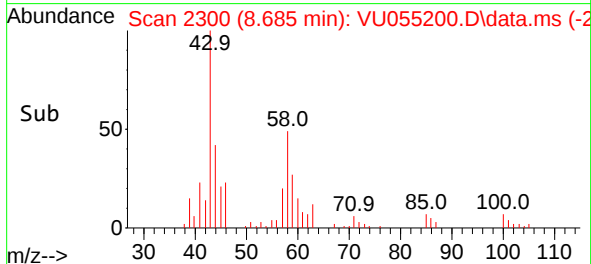


#48
2-Hexanone
Concen: 5.647 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055200.D
Acq: 07 Sep 2023 19:50

Instrument :
MSVOA_U
ClientSampleId :

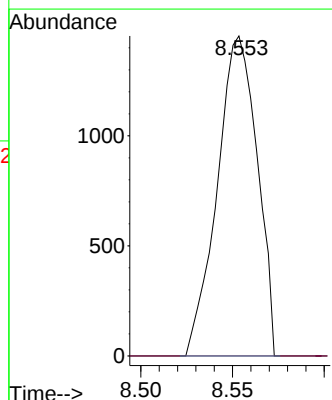
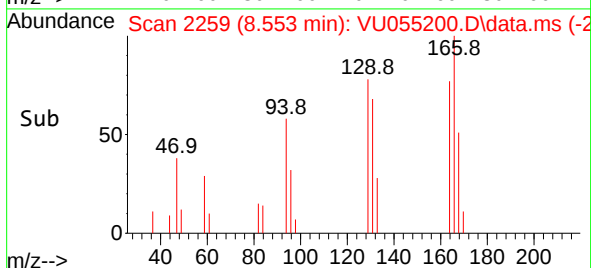
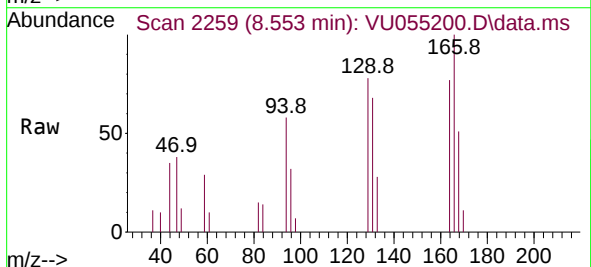


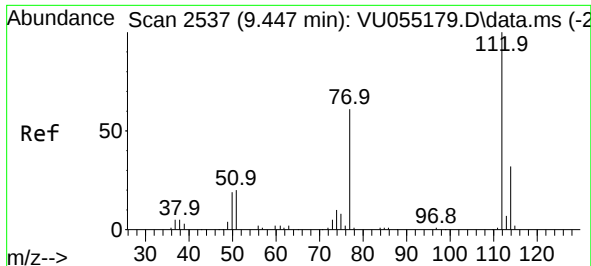
Tgt Ion: 43 Resp: 24564
Ion Ratio Lower Upper
43 100
58 44.9 44.0 66.0
57 16.0 16.2 24.2#
100 5.9 9.0 13.4#



#49
Dibromochloromethane
Concen: 0.308 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.254 min
Lab File: VU055200.D
Acq: 07 Sep 2023 19:50

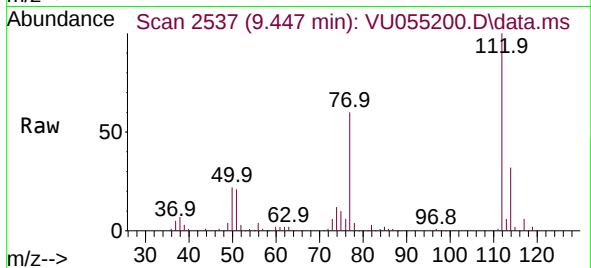
Tgt Ion: 129 Resp: 2206
Ion Ratio Lower Upper
129 100
127 0.0 55.9 103.7#



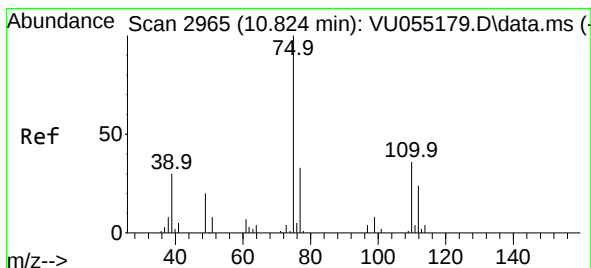
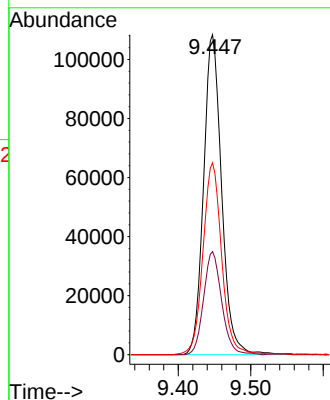
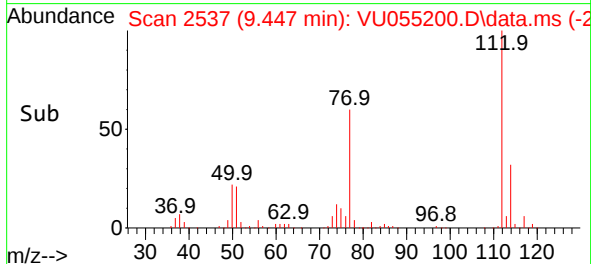


#51
Chlorobenzene
Concen: 7.431 ug/L
RT: 9.447 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055200.D
Acq: 07 Sep 2023 19:50

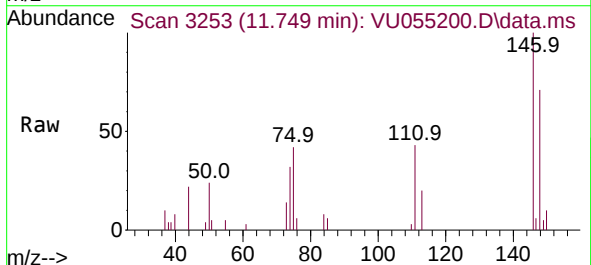
Instrument :
MSVOA_U
ClientSampleId :



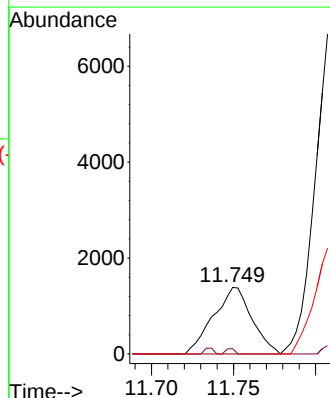
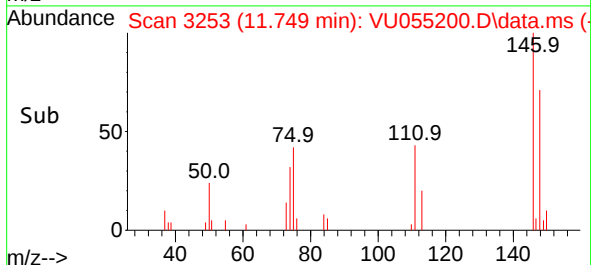
Tgt Ion:112 Resp: 187638
Ion Ratio Lower Upper
112 100
114 32.2 21.7 40.3
77 60.0 48.6 72.8

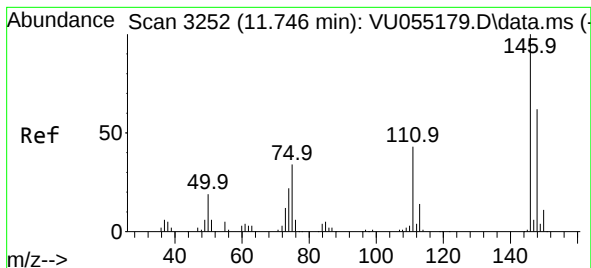


#61
1,2,3-Trichloropropane
Concen: 0.420 ug/L
RT: 11.749 min Scan# 3253
Delta R.T. 0.926 min
Lab File: VU055200.D
Acq: 07 Sep 2023 19:50



Tgt Ion: 75 Resp: 2257
Ion Ratio Lower Upper
75 100
110 0.0 28.2 42.2#
77 0.0 26.2 39.4#





#64

1,3-Dichlorobenzene

Concen: 0.334 ug/L

RT: 11.753 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU055200.D

Acq: 07 Sep 2023 19:50

Instrument :

MSVOA_U

ClientSampleId :

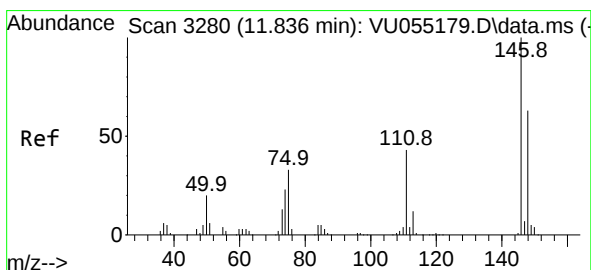
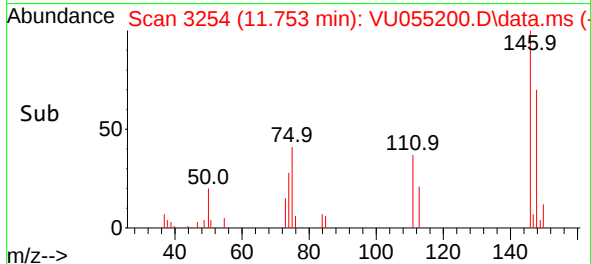
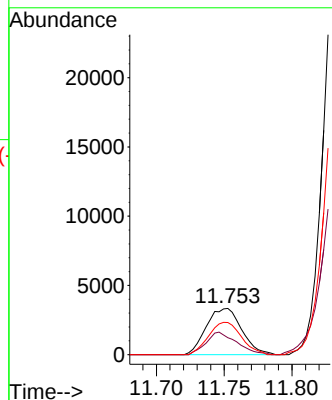
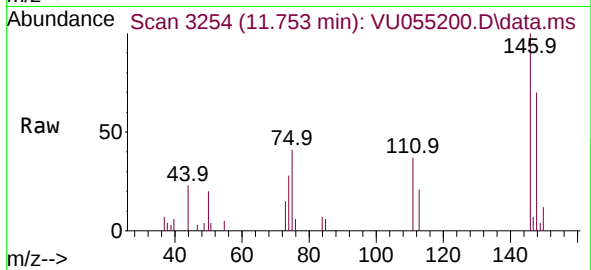
Tgt Ion:146 Resp: 6061

Ion Ratio Lower Upper

146 100

111 36.7 30.0 55.6

148 69.6 45.2 84.0



#65

1,4-Dichlorobenzene

Concen: 3.652 ug/L

RT: 11.839 min Scan# 3281

Delta R.T. 0.003 min

Lab File: VU055200.D

Acq: 07 Sep 2023 19:50

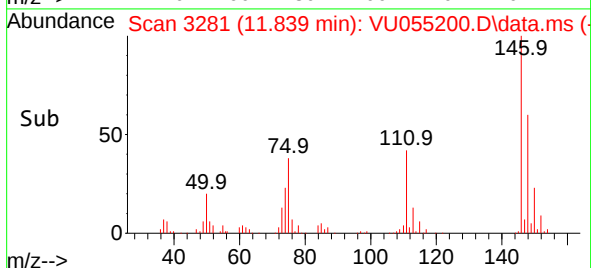
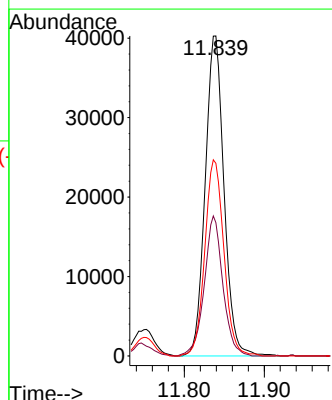
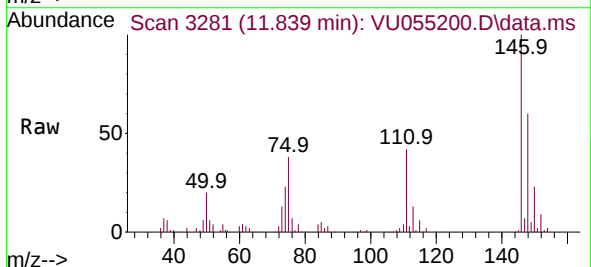
Tgt Ion:146 Resp: 66029

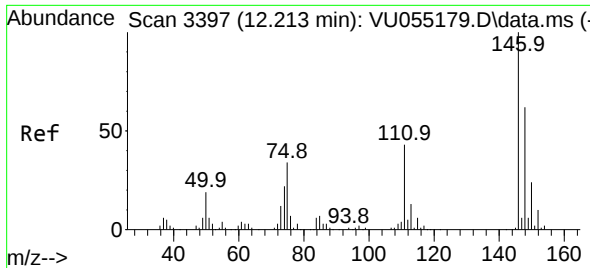
Ion Ratio Lower Upper

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111 41.6 28.1 52.1

148 60.2 43.8 81.3

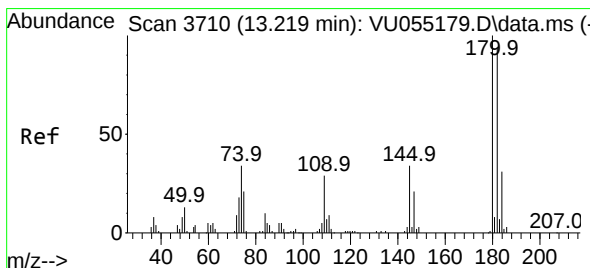
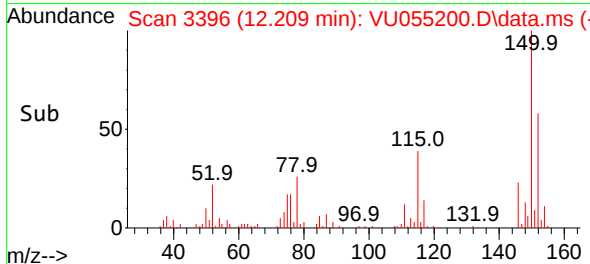
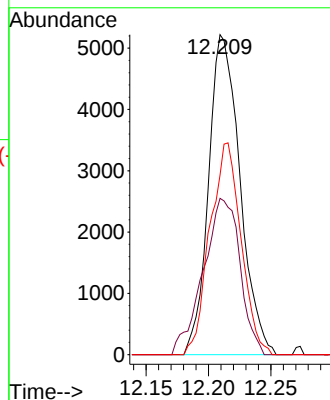
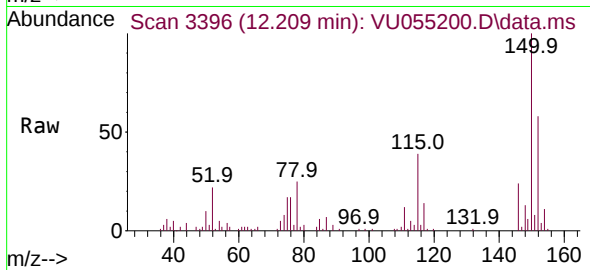




#67
1,2-Dichlorobenzene
Concen: 0.539 ug/L
RT: 12.209 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU055200.D
Acq: 07 Sep 2023 19:50

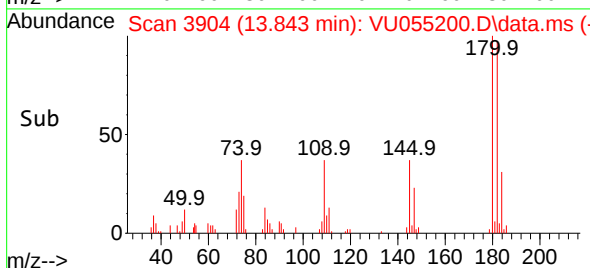
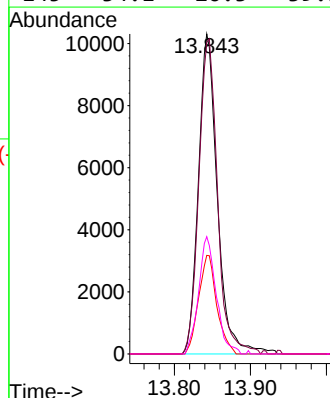
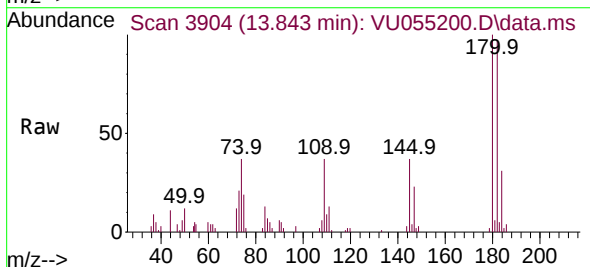
Instrument :
MSVOA_U
ClientSampleId :

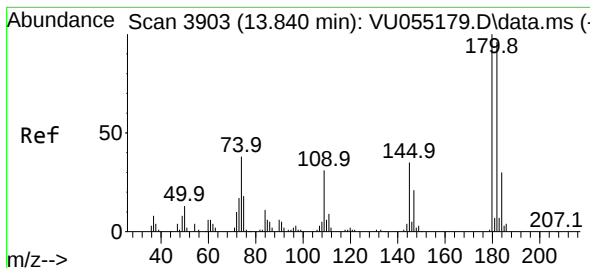
Tgt Ion:146 Resp: 9162
Ion Ratio Lower Upper
146 100
111 48.9 35.6 53.4
148 56.2 51.3 76.9



#69
1,3,5-Trichlorobenzene
Concen: 1.299 ug/L
RT: 13.843 min Scan# 3904
Delta R.T. 0.624 min
Lab File: VU055200.D
Acq: 07 Sep 2023 19:50

Tgt Ion:180 Resp: 17811
Ion Ratio Lower Upper
180 100
182 97.1 75.8 113.6
184 29.7 24.0 36.0
145 34.1 26.3 39.5





#70

1,2,4-trichlorobenzene

Concen: 1.386 ug/L

RT: 13.843 min Scan# 3903

Delta R.T. 0.003 min

Lab File: VU055200.D

Acq: 07 Sep 2023 19:50

Instrument :

MSVOA_U

ClientSampleId :

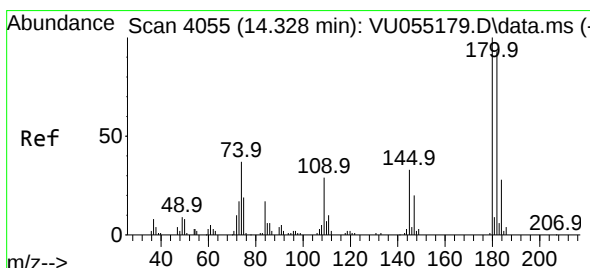
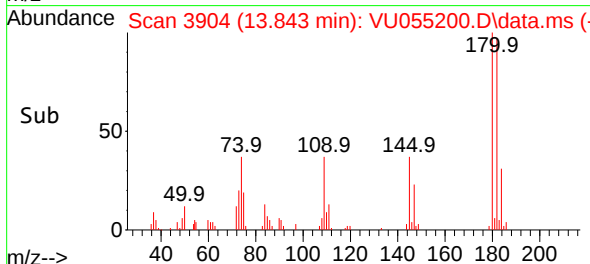
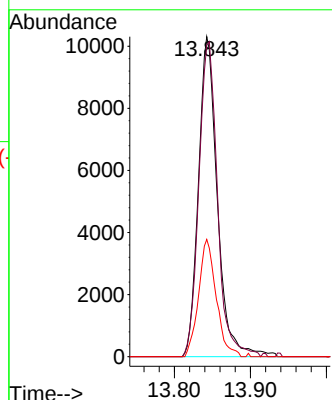
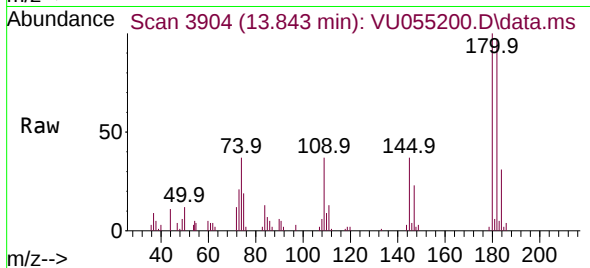
Tgt Ion:180 Resp: 17811

Ion Ratio Lower Upper

180 100

182 97.1 73.6 110.4

145 34.1 25.8 38.8



#72

1,2,3-Trichlorobenzene

Concen: 0.522 ug/L

RT: 14.335 min Scan# 4057

Delta R.T. 0.006 min

Lab File: VU055200.D

Acq: 07 Sep 2023 19:50

Tgt Ion:180 Resp: 5823

Ion Ratio Lower Upper

180 100

182 86.6 75.6 113.4

145 34.4 27.0 40.6

