

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055199.D
 Acq On : 07 Sep 2023 19:26
 Operator : MD/SY
 Sample : 04306-01DL 25X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 08 05:10:34 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)

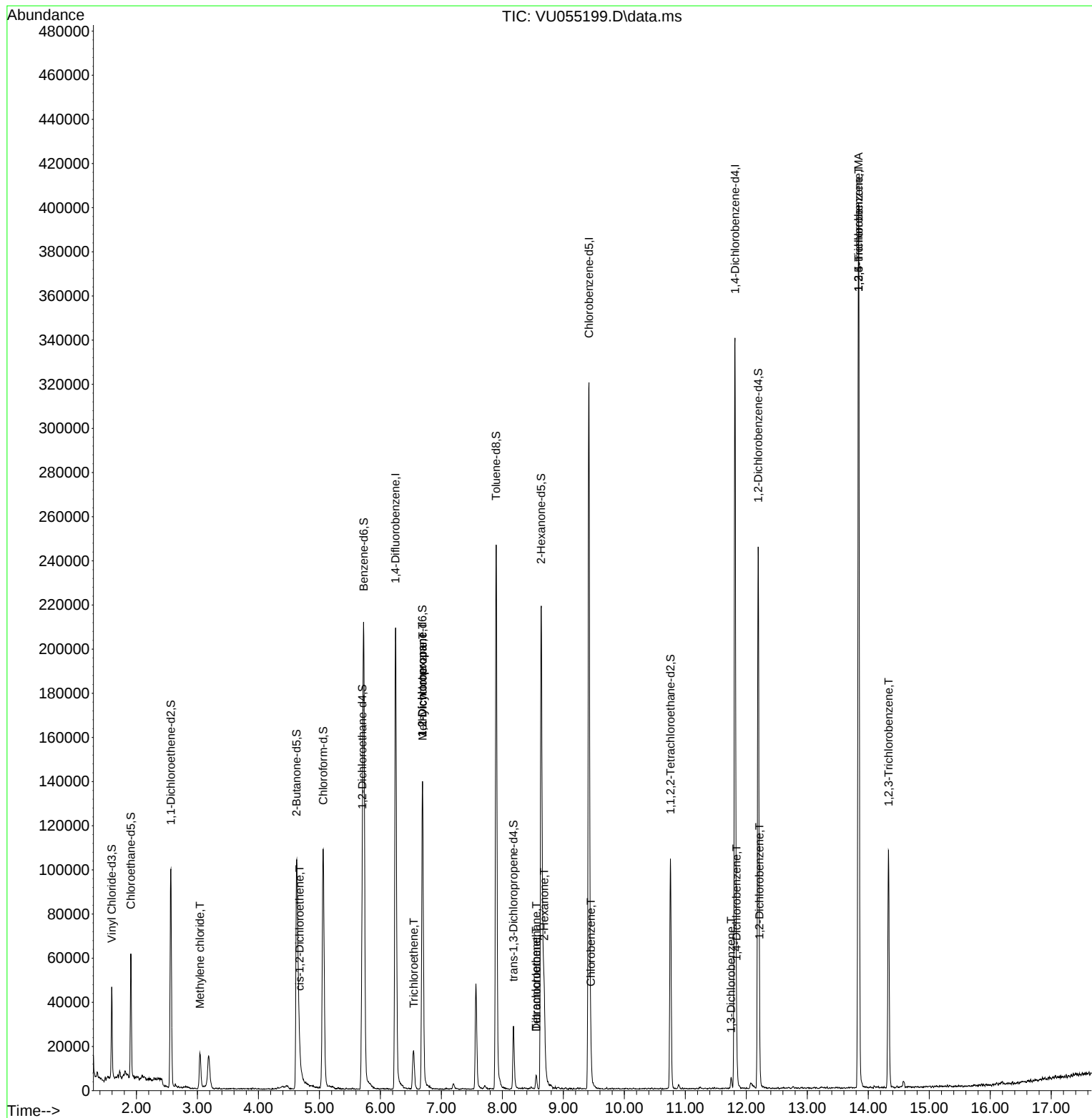
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	162856	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.419	117	172375	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	86123	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	28799	3.773	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.400%
7) Chloroethane-d5	1.908	69	38617	4.371	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.400%
11) 1,1-Dichloroethene-d2	2.564	65	19141	4.401	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.000%
20) 2-Butanone-d5	4.625	46	127595	57.606	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.220%
24) Chloroform-d	5.062	84	100722	4.973	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.702	65	52957	5.226	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.600%
32) Benzene-d6	5.727	84	191989	4.512	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	6.689	67	66969	4.949	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.898	98	166716	4.253	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
43) trans-1,3-Dichloroprop...	8.181	79	16120	4.325	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.600%
46) 2-Hexanone-d5	8.634	63	66856	44.187	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.380%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	50684	5.325	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.600%
66) 1,2-Dichlorobenzene-d4	12.193	152	58345	4.641	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%
Target Compounds						Qvalue
16) Methylene chloride	3.039	84	6757	0.587	ug/L	92
22) cis-1,2-Dichloroethene	4.673	96	1977	0.211	ug/L	88
34) Trichloroethene	6.547	95	5768	0.566	ug/L	91
35) Methylcyclohexane	6.692	83	14802	1.035	ug/L #	20
37) 1,2-Dichloropropane	6.689	63	7755	0.776	ug/L #	88
47) Tetrachloroethene	8.554	164	1026	0.146	ug/L	83
48) 2-Hexanone	8.686	43	22411	5.022	ug/L #	92
49) Dibromochloromethane	8.557	129	1224	0.167	ug/L #	9
51) Chlorobenzene	9.451	112	6982	0.270	ug/L	91
64) 1,3-Dichlorobenzene	11.750	146	2048	0.106	ug/L	94
65) 1,4-Dichlorobenzene	11.840	146	5192	0.270	ug/L	88
67) 1,2-Dichlorobenzene	12.216	146	2859	0.158	ug/L	92
69) 1,3,5-Trichlorobenzene	13.843	180	108942	7.477	ug/L	99
70) 1,2,4-trichlorobenzene	13.843	180	108942	7.974	ug/L	97
72) 1,2,3-Trichlorobenzene	14.332	180	29711	2.506	ug/L	99

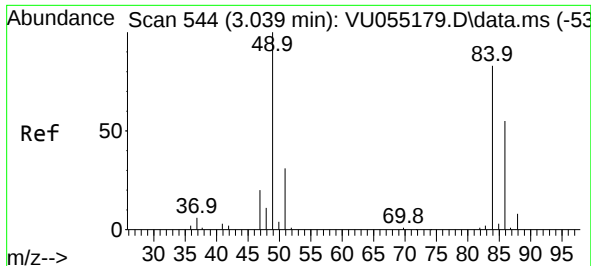
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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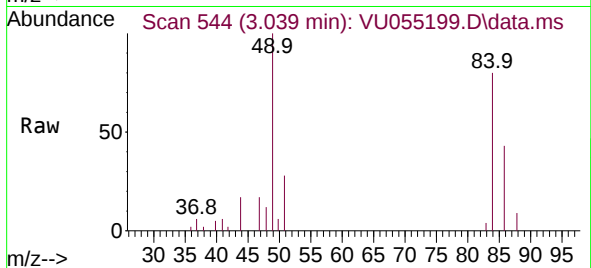
Quant Time: Sep 08 05:10:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
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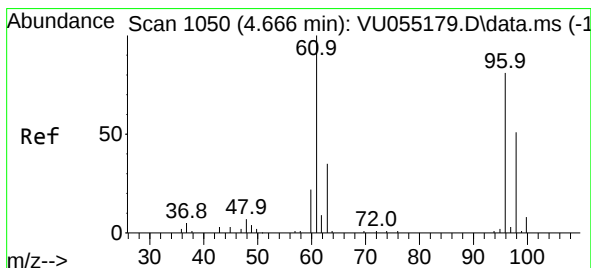
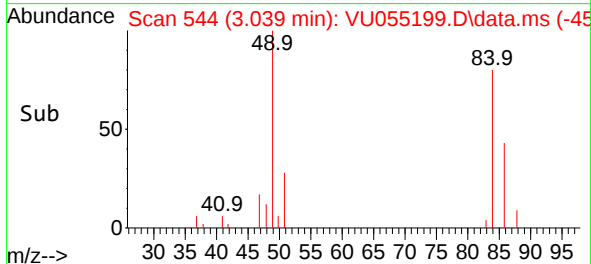
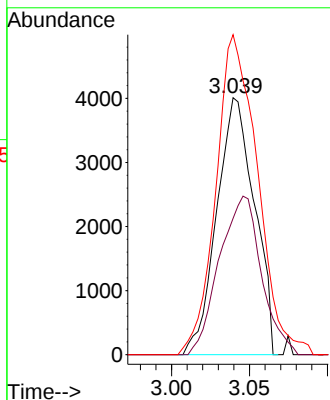
#16
Methylene chloride
Concen: 0.587 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU055199.D
Acq: 07 Sep 2023 19:26

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 6757

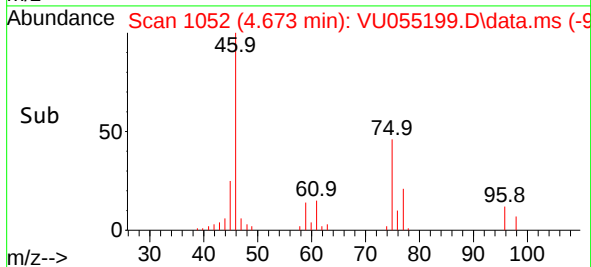
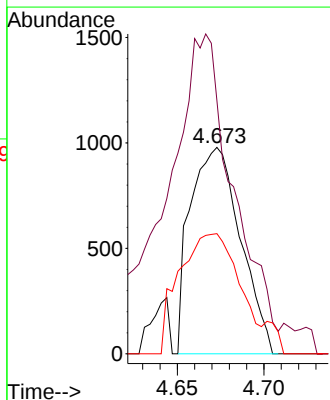
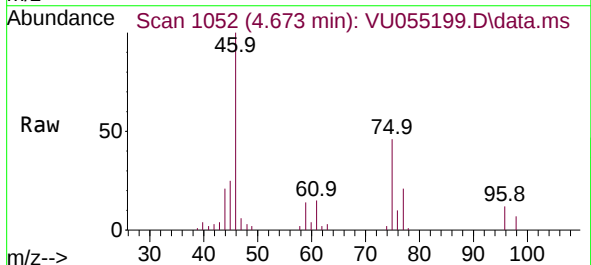
Ion	Ratio	Lower	Upper
84	100		
86	53.1	43.4	80.6
49	132.1	87.7	162.9

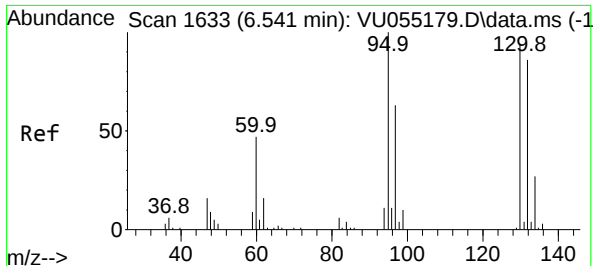


#22
cis-1,2-Dichloroethene
Concen: 0.211 ug/L
RT: 4.673 min Scan# 1052
Delta R.T. 0.007 min
Lab File: VU055199.D
Acq: 07 Sep 2023 19:26

Tgt Ion: 96 Resp: 1977

Ion	Ratio	Lower	Upper
96	100		
61	122.7	97.2	180.4
98	58.2	46.1	85.7





#34

Trichloroethene

Concen: 0.566 ug/L

RT: 6.547 min Scan# 1

Delta R.T. 0.007 min

Lab File: VU055199.D

Acq: 07 Sep 2023 19:26

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 5768

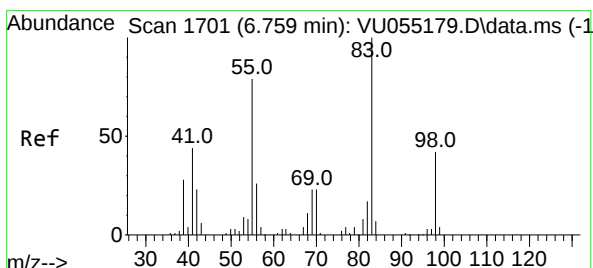
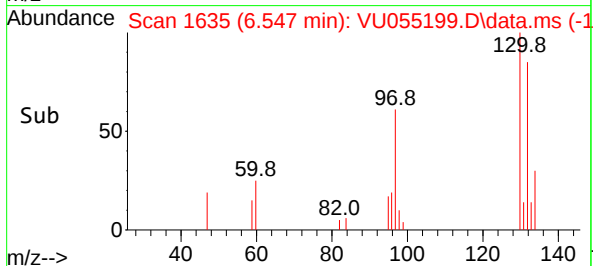
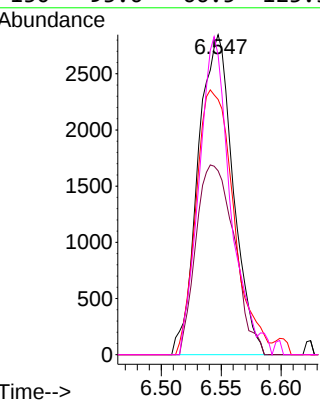
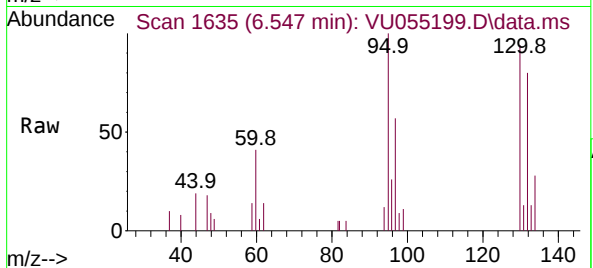
Ion Ratio Lower Upper

95 100

97 57.4 44.7 83.1

132 79.7 66.6 123.6

130 93.6 66.5 123.5



#35

Methylcyclohexane

Concen: 1.035 ug/L

RT: 6.692 min Scan# 1680

Delta R.T. -0.067 min

Lab File: VU055199.D

Acq: 07 Sep 2023 19:26

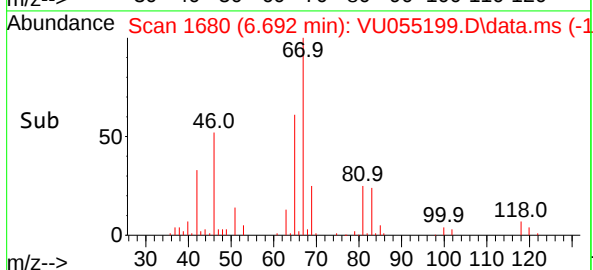
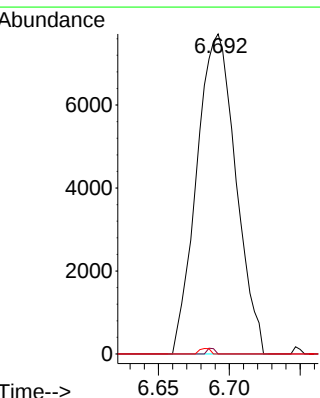
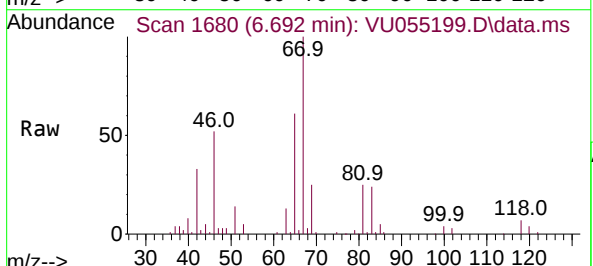
Tgt Ion: 83 Resp: 14802

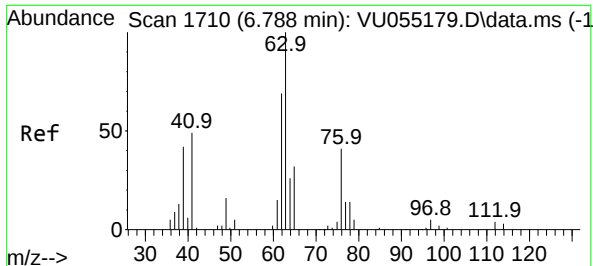
Ion Ratio Lower Upper

83 100

55 0.3 60.4 90.6#

98 0.5 35.3 52.9#

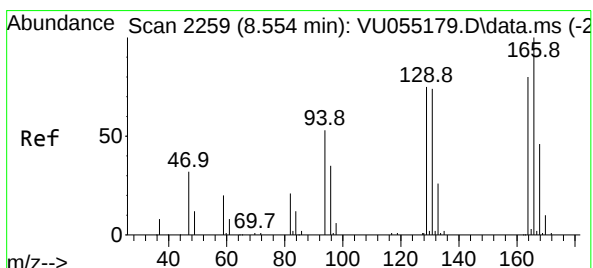
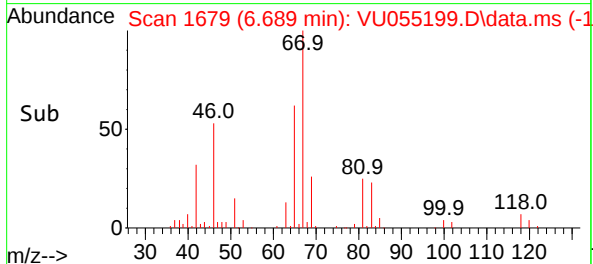
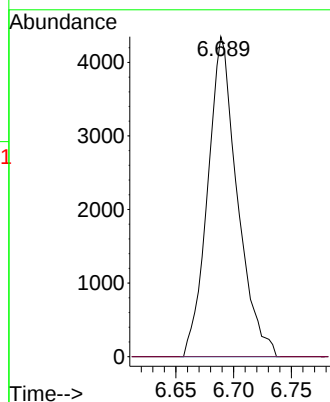
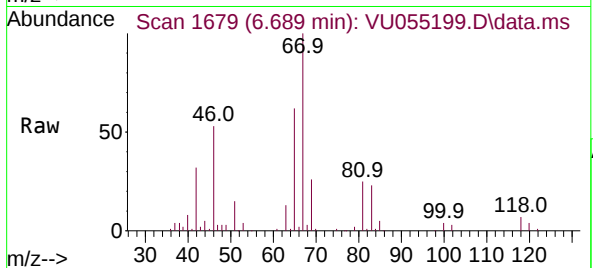




#37
1,2-Dichloropropane
Concen: 0.776 ug/L
RT: 6.689 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU055199.D
Acq: 07 Sep 2023 19:26

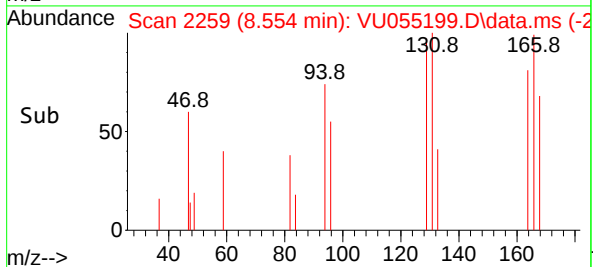
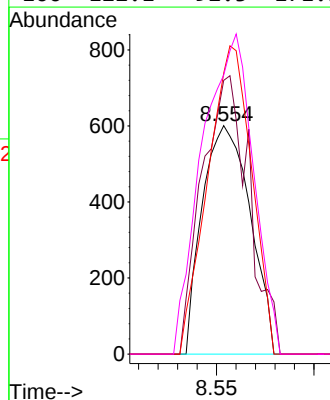
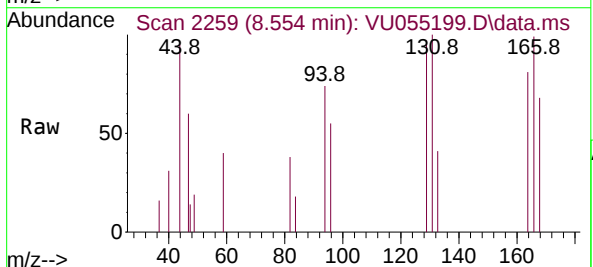
Instrument :
MSVOA_U
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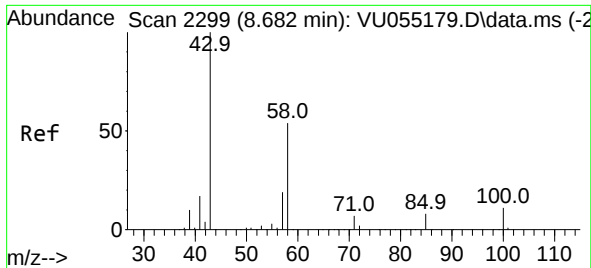
Tgt Ion: 63 Resp: 7755
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#47
Tetrachloroethene
Concen: 0.146 ug/L
RT: 8.554 min Scan# 2259
Delta R.T. 0.000 min
Lab File: VU055199.D
Acq: 07 Sep 2023 19:26

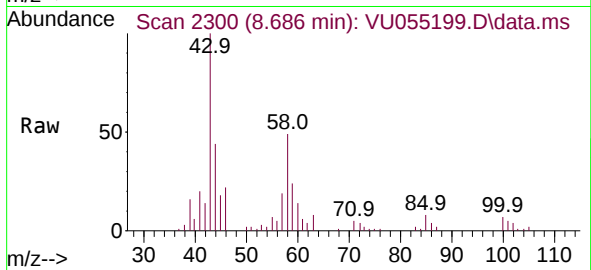
Tgt Ion: 164 Resp: 1026
Ion Ratio Lower Upper
164 100
129 119.8 69.2 128.6
131 123.0 68.8 127.8
166 122.1 92.3 171.5



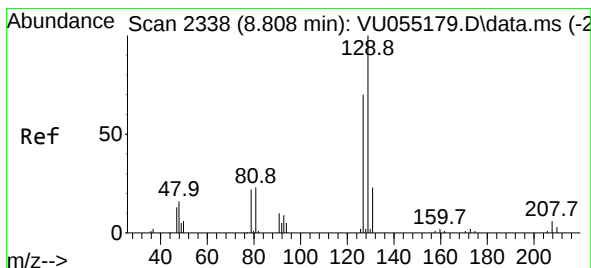
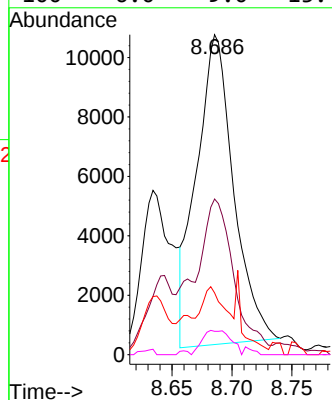
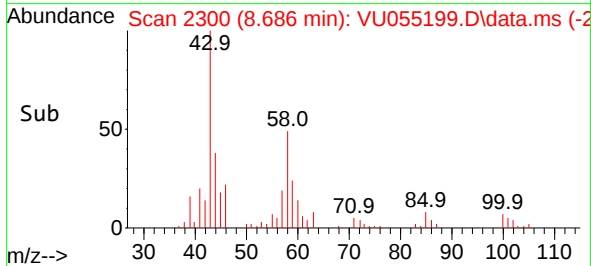


#48
2-Hexanone
Concen: 5.022 ug/L
RT: 8.686 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055199.D
Acq: 07 Sep 2023 19:26

Instrument :
MSVOA_U
ClientSampleId :

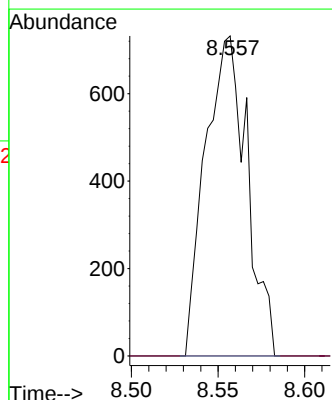
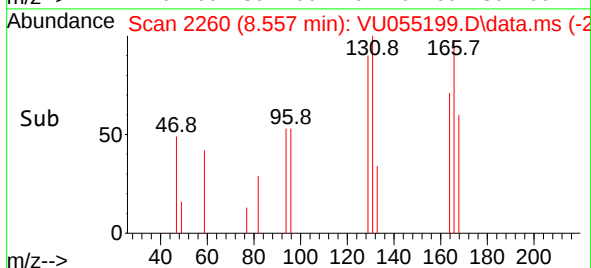
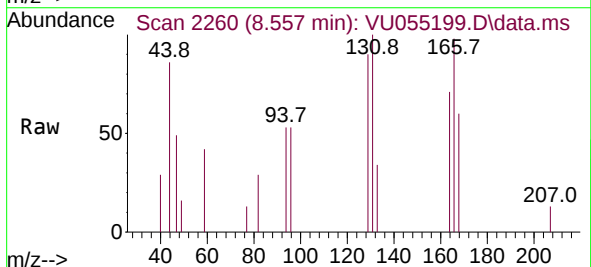


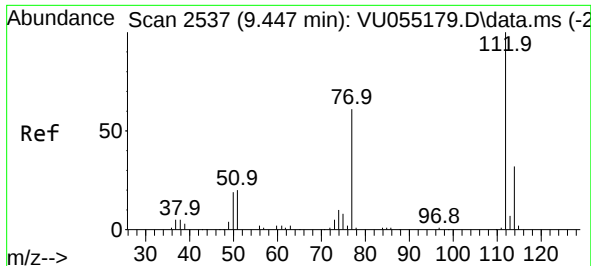
Tgt Ion: 43 Resp: 22411
Ion Ratio Lower Upper
43 100
58 51.3 44.0 66.0
57 13.7 16.2 24.2#
100 6.0 9.0 13.4#



#49
Dibromochloromethane
Concen: 0.167 ug/L
RT: 8.557 min Scan# 2260
Delta R.T. -0.251 min
Lab File: VU055199.D
Acq: 07 Sep 2023 19:26

Tgt Ion: 129 Resp: 1224
Ion Ratio Lower Upper
129 100
127 0.0 55.9 103.7#

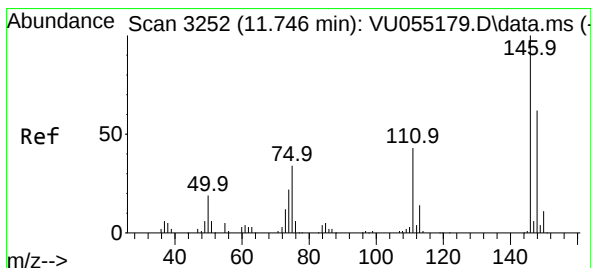
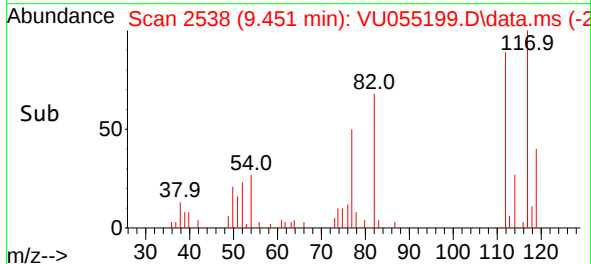
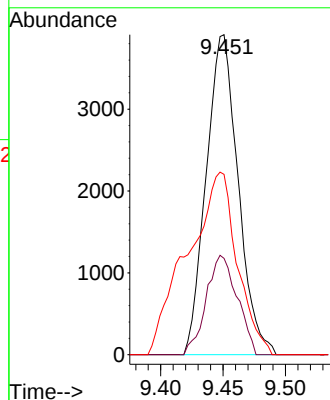
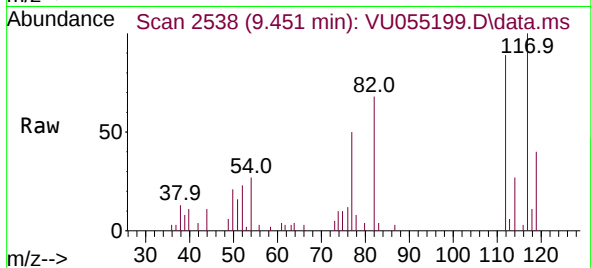




#51
Chlorobenzene
Concen: 0.270 ug/L
RT: 9.451 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055199.D
Acq: 07 Sep 2023 19:26

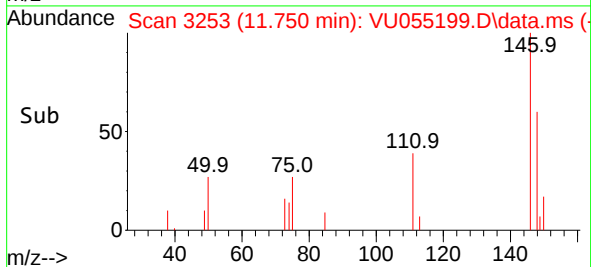
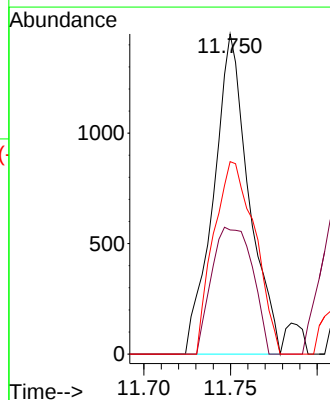
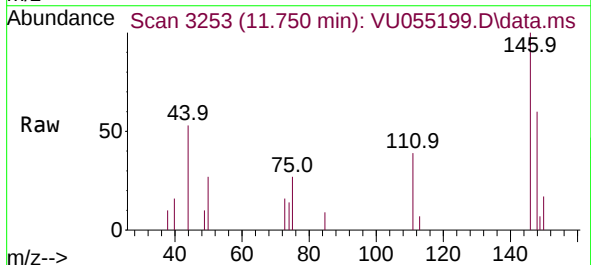
Instrument :
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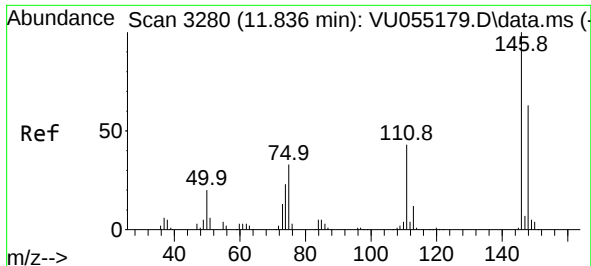
Tgt Ion:112 Resp: 6982
Ion Ratio Lower Upper
112 100
114 28.2 21.7 40.3
77 52.9 48.6 72.8



#64
1,3-Dichlorobenzene
Concen: 0.106 ug/L
RT: 11.750 min Scan# 3253
Delta R.T. 0.003 min
Lab File: VU055199.D
Acq: 07 Sep 2023 19:26

Tgt Ion:146 Resp: 2048
Ion Ratio Lower Upper
146 100
111 38.8 30.0 55.6
148 60.1 45.2 84.0

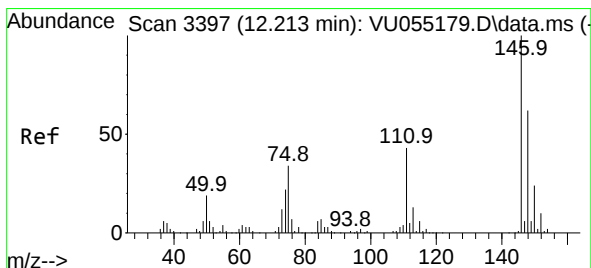
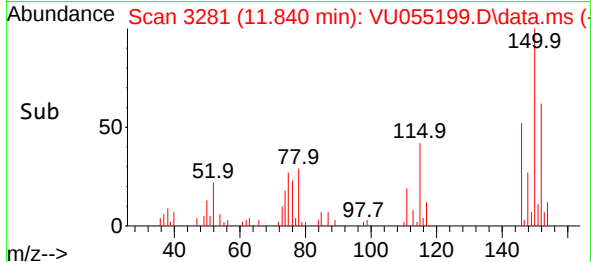
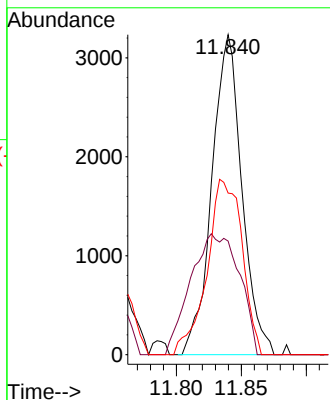
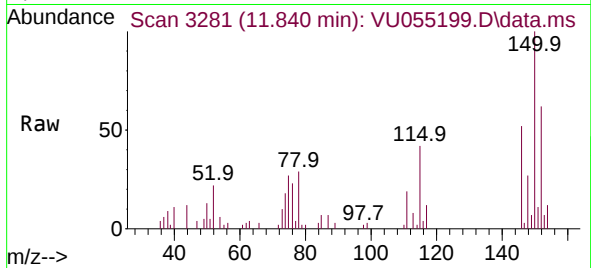




#65
1,4-Dichlorobenzene
Concen: 0.270 ug/L
RT: 11.840 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055199.D
Acq: 07 Sep 2023 19:26

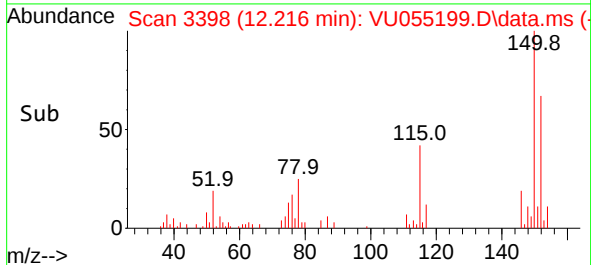
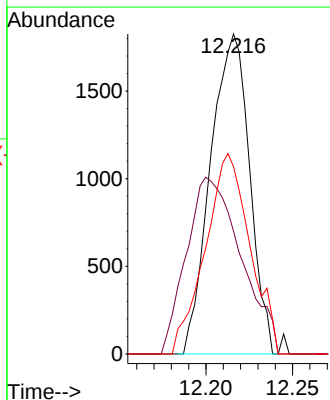
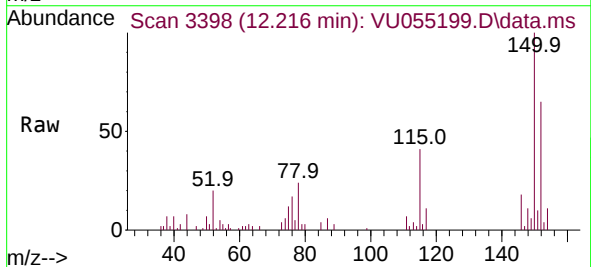
Instrument :
MSVOA_U
ClientSampleId :

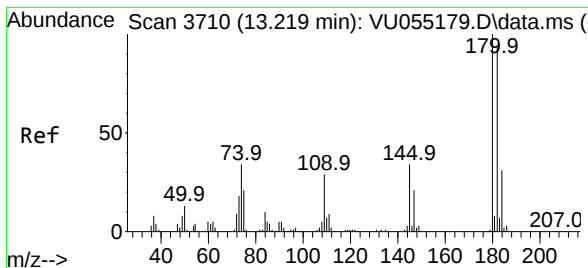
Tgt Ion:146 Resp: 5192
Ion Ratio Lower Upper
146 100
111 35.5 28.1 52.1
148 50.5 43.8 81.3



#67
1,2-Dichlorobenzene
Concen: 0.158 ug/L
RT: 12.216 min Scan# 3398
Delta R.T. 0.003 min
Lab File: VU055199.D
Acq: 07 Sep 2023 19:26

Tgt Ion:146 Resp: 2859
Ion Ratio Lower Upper
146 100
111 38.3 35.6 53.4
148 58.5 51.3 76.9





#69

1,3,5-Trichlorobenzene

Concen: 7.477 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.624 min

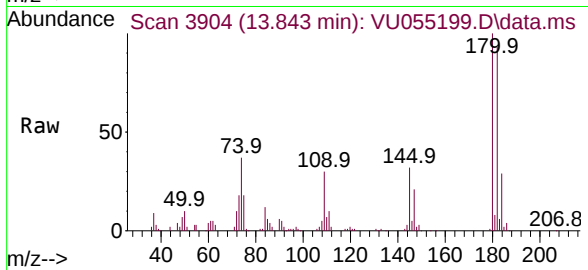
Lab File: VU055199.D

Acq: 07 Sep 2023 19:26

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 108942

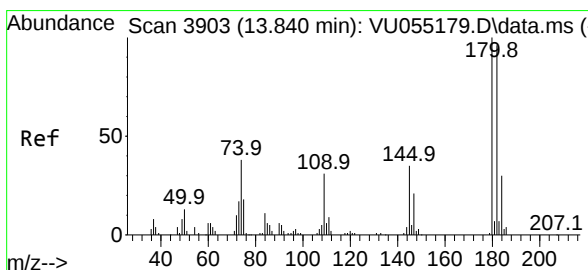
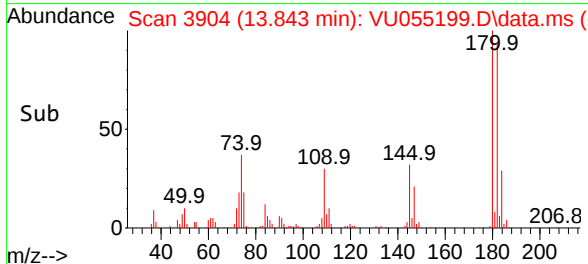
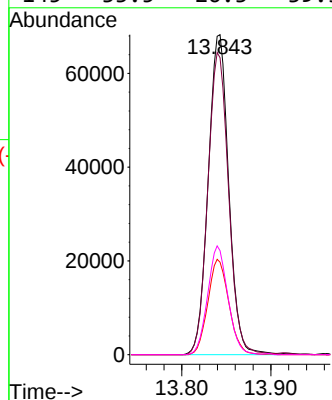
Ion Ratio Lower Upper

180 100

182 95.4 75.8 113.6

184 30.5 24.0 36.0

145 33.5 26.3 39.5



#70

1,2,4-trichlorobenzene

Concen: 7.974 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.003 min

Lab File: VU055199.D

Acq: 07 Sep 2023 19:26

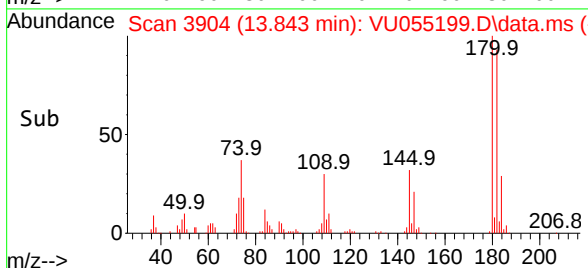
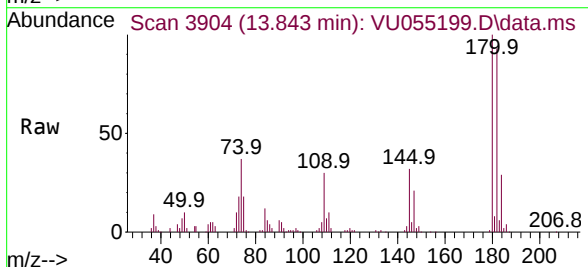
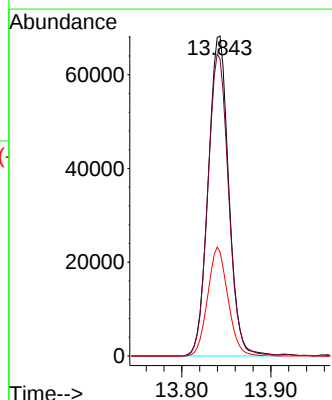
Tgt Ion:180 Resp: 108942

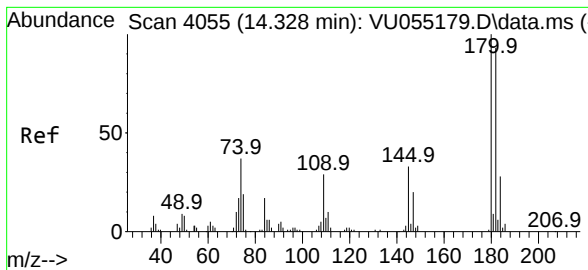
Ion Ratio Lower Upper

180 100

182 95.4 73.6 110.4

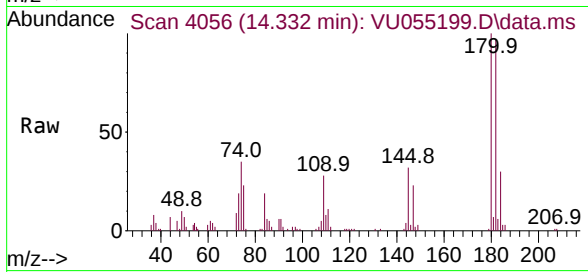
145 33.5 25.8 38.8





#72
 1,2,3-Trichlorobenzene
 Concen: 2.506 ug/L
 RT: 14.332 min Scan# 4056
 Delta R.T. 0.003 min
 Lab File: VU055199.D
 Acq: 07 Sep 2023 19:26

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	29711
Ion Ratio	Lower	Upper	
180	100		
182	95.7	75.6	113.4
145	33.4	27.0	40.6

