

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013123\
 Data File : VU052884.D
 Acq On : 31 Jan 2023 17:17
 Operator : JC/MD
 Sample : 01314-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 01 00:57:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 00:53:48 2023
 Response via : Initial Calibration

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

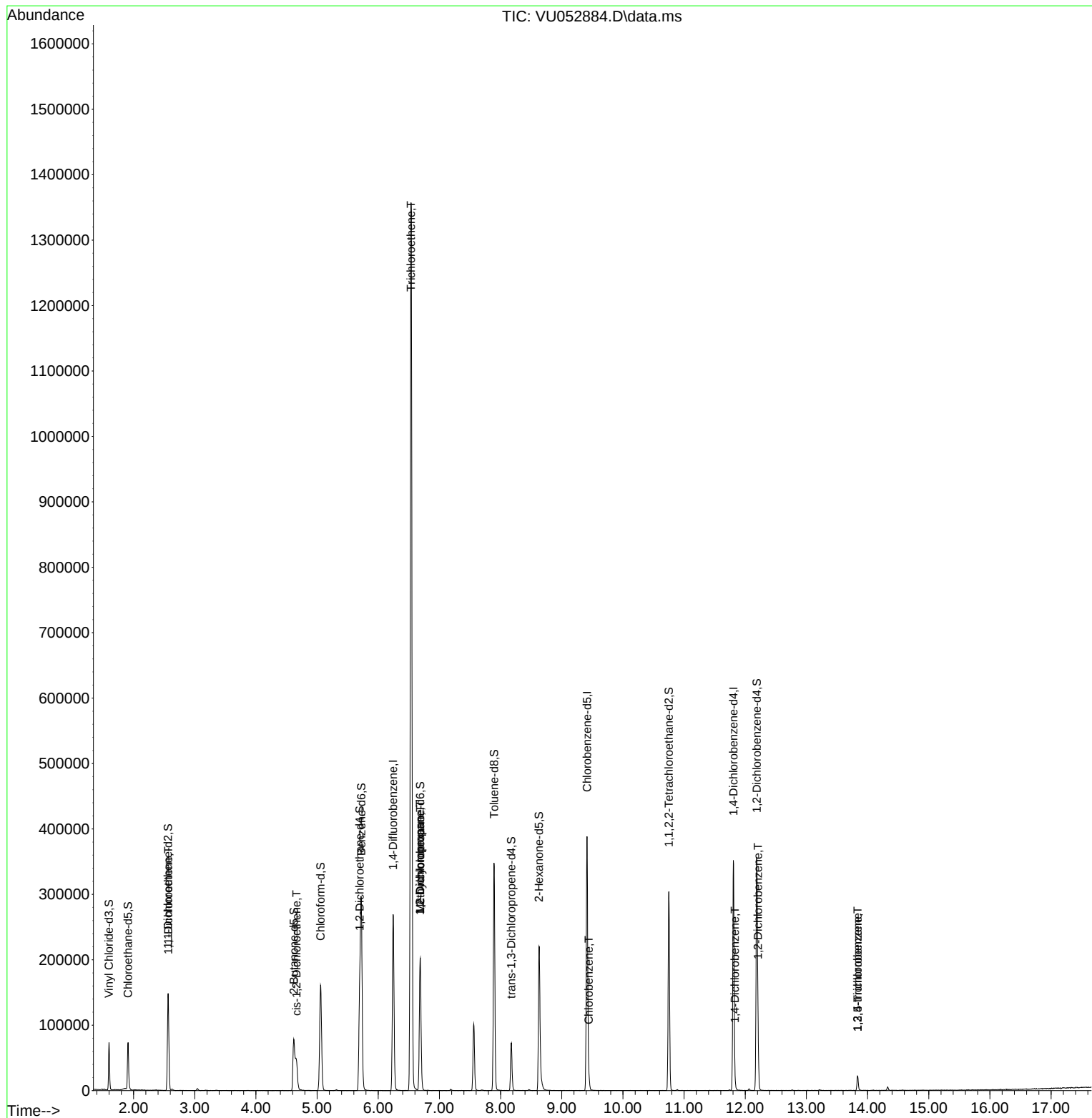
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	222034	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	218610	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	96496	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	53175	33.274	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.540%
7) Chloroethane-d5	1.909	69	55626	42.243	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.480%
11) 1,1-Dichloroethene-d2	2.565	63	88736	27.917	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.840%#
21) 2-Butanone-d5	4.620	46	113164	114.628	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.630%
24) Chloroform-d	5.057	84	154974	45.438	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.880%
26) 1,2-Dichloroethane-d4	5.697	65	107367	49.302	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.600%
32) Benzene-d6	5.722	84	273782	40.992	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.980%
36) 1,2-Dichloropropane-d6	6.687	67	93255	47.608	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.220%
41) Toluene-d8	7.893	98	230658	37.926	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.860%#
43) trans-1,3-Dichloroprop...	8.176	79	41721	42.495	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.000%
47) 2-Hexanone-d5	8.629	63	72103	104.760	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.760%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	142774	49.333	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.660%
66) 1,2-Dichlorobenzene-d4	12.188	152	92483	49.359	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.720%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.568	96	1252	0.762	ug/L #	1
20) cis-1,2-Dichloroethene	4.665	96	21444	11.315	ug/L	99
34) Trichloroethene	6.536	95	453074	239.542	ug/L	98
35) Methylcyclohexane	6.687	83	24005	8.019	ug/L #	21
37) 1,2-Dichloropropane	6.684	63	10695	5.846	ug/L #	85
51) Chlorobenzene	9.443	112	10548	2.010	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	4019	1.235	ug/L	89
67) 1,2-Dichlorobenzene	12.208	146	26825	8.435	ug/L	99
69) 1,3,5-Trichlorobenzene	13.838	180	8240	3.540	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	8240	4.222	ug/L	98

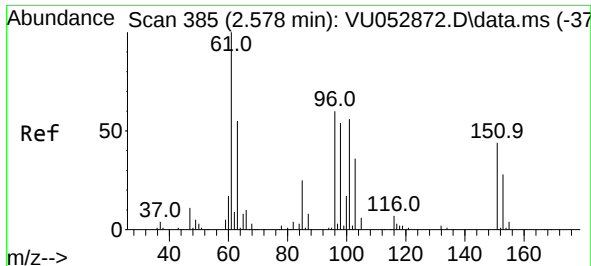
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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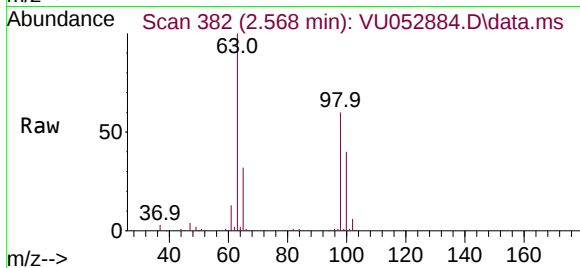
Quant Time: Feb 01 00:57:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
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QLast Update : Wed Feb 01 00:53:48 2023
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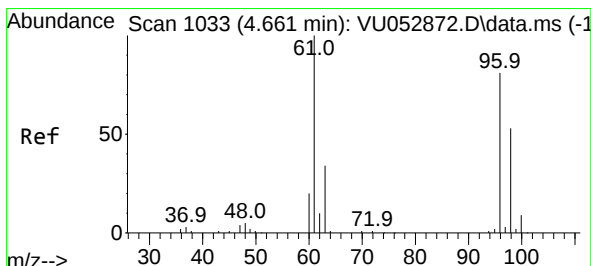
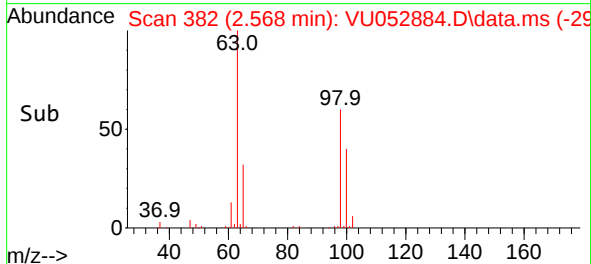
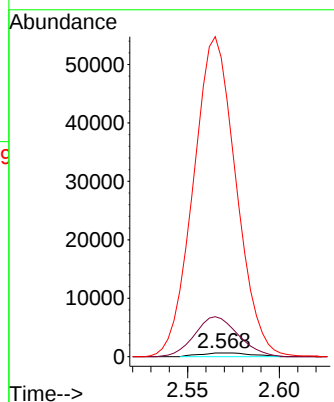


#12
 1,1-Dichloroethene
 Concen: 0.762 ug/L
 RT: 2.568 min Scan# 385
 Delta R.T. -0.010 min
 Lab File: VU052884.D
 Acq: 31 Jan 2023 17:17

Instrument :
 MSVOA_U
 ClientSampleId :

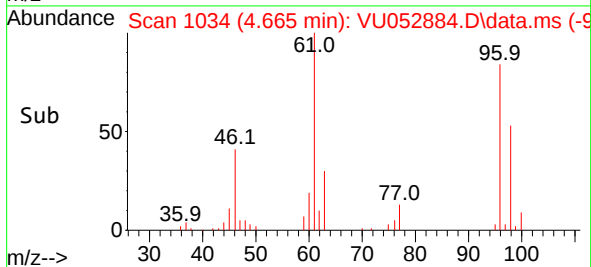
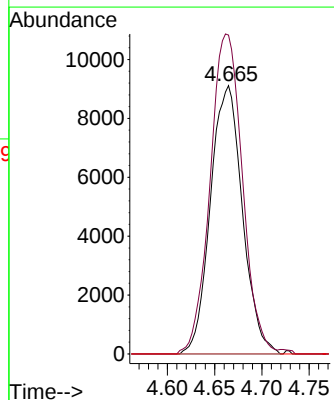
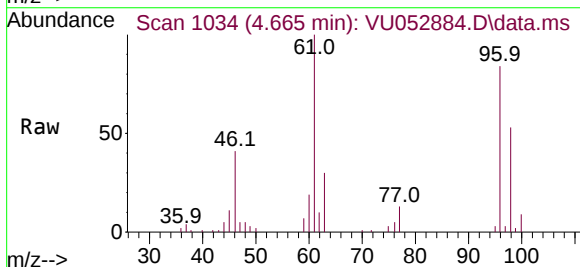


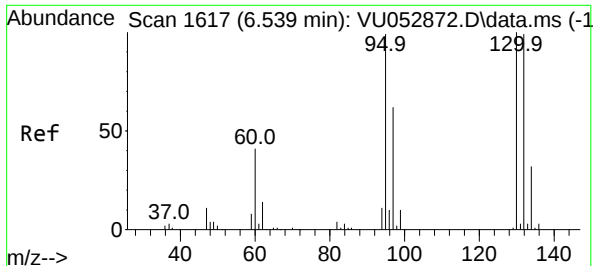
Tgt Ion: 96 Resp: 1252
 Ion Ratio Lower Upper
 96 100
 61 1010.4 114.3 212.3#
 63 7954.0 80.6 149.6#



#20
 cis-1,2-Dichloroethene
 Concen: 11.315 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.003 min
 Lab File: VU052884.D
 Acq: 31 Jan 2023 17:17

Tgt Ion: 96 Resp: 21444
 Ion Ratio Lower Upper
 96 100
 61 118.8 84.1 156.1
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 239.542 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052884.D

Acq: 31 Jan 2023 17:17

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 453074

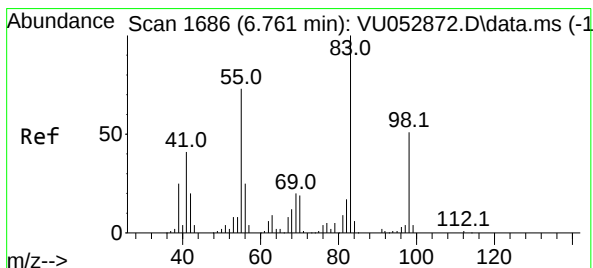
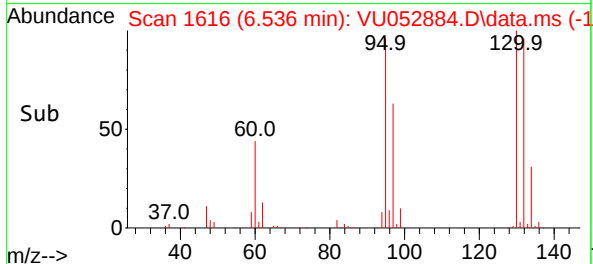
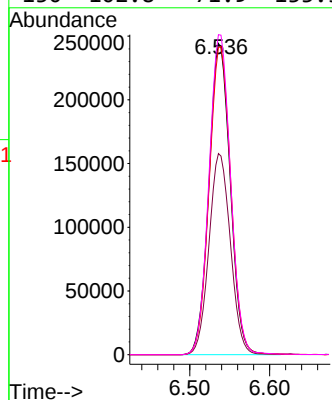
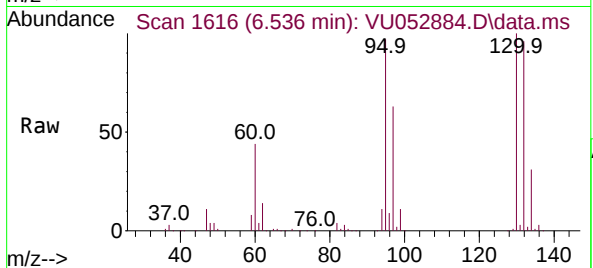
Ion Ratio Lower Upper

95 100

97 64.6 44.5 82.7

132 98.7 66.8 124.0

130 102.8 71.9 133.5



#35

Methylcyclohexane

Concen: 8.019 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.074 min

Lab File: VU052884.D

Acq: 31 Jan 2023 17:17

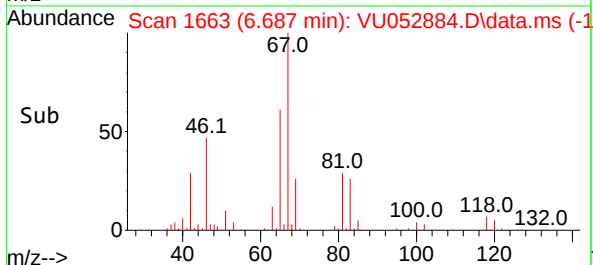
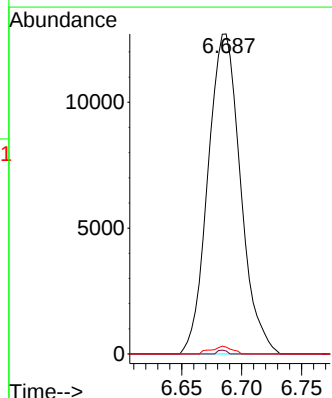
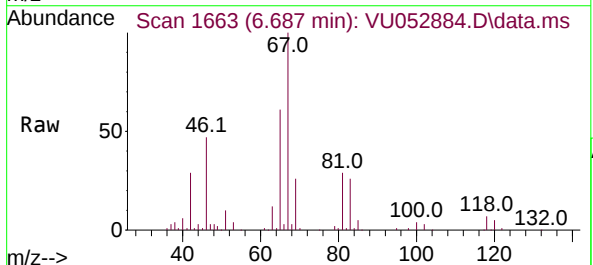
Tgt Ion: 83 Resp: 24005

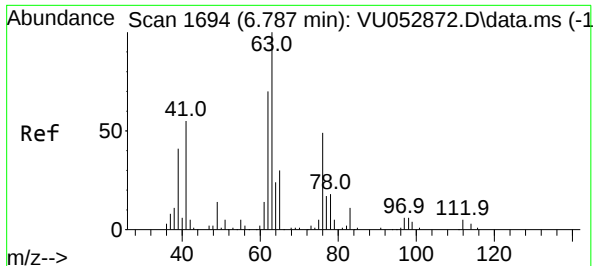
Ion Ratio Lower Upper

83 100

55 0.3 57.1 85.7#

98 1.2 38.9 58.3#





#37

1,2-Dichloropropane

Concen: 5.846 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU052884.D

Acq: 31 Jan 2023 17:17

Instrument :

MSVOA_U

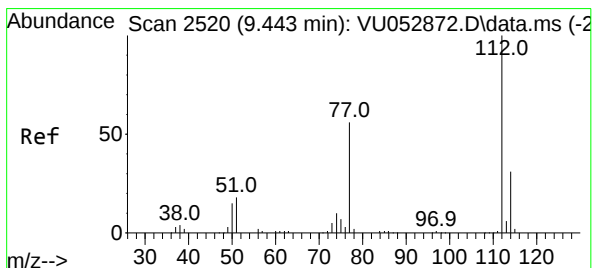
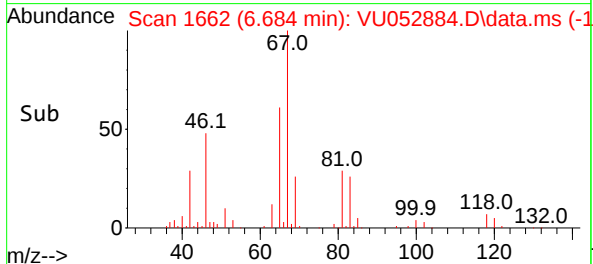
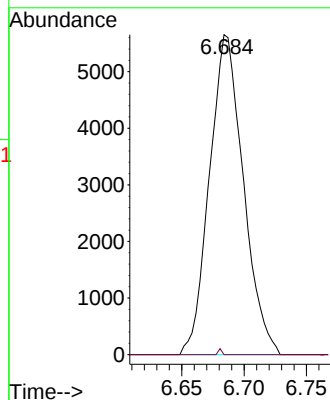
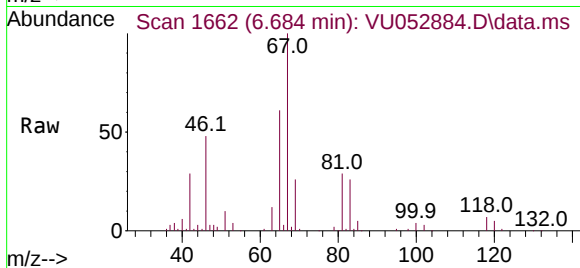
ClientSampleId :

Tgt Ion: 63 Resp: 10695

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#51

Chlorobenzene

Concen: 2.010 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU052884.D

Acq: 31 Jan 2023 17:17

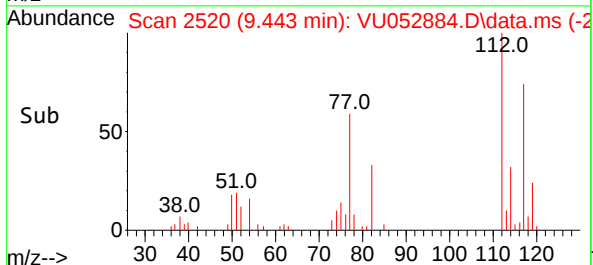
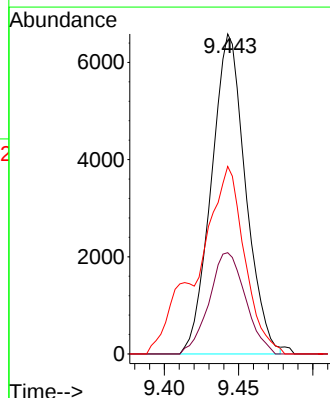
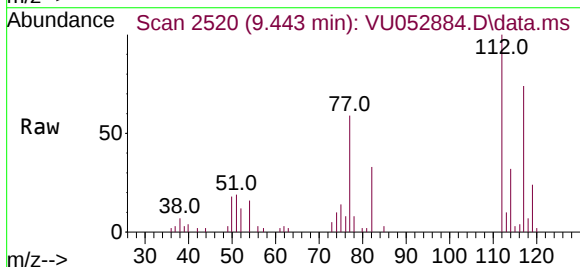
Tgt Ion: 112 Resp: 10548

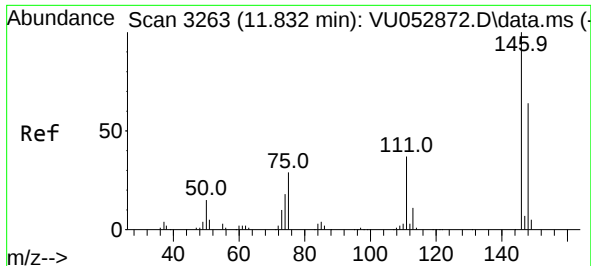
Ion Ratio Lower Upper

112 100

114 31.6 22.8 42.4

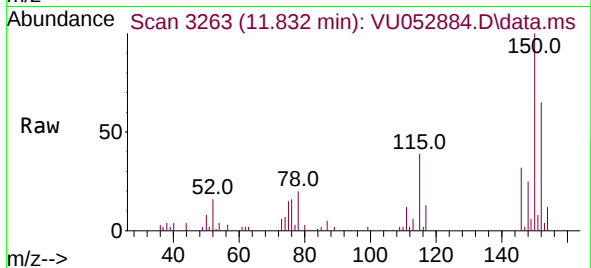
77 58.6 45.9 68.9



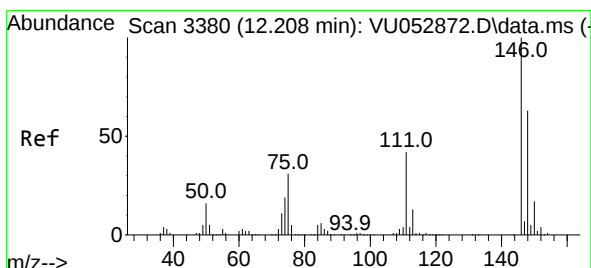
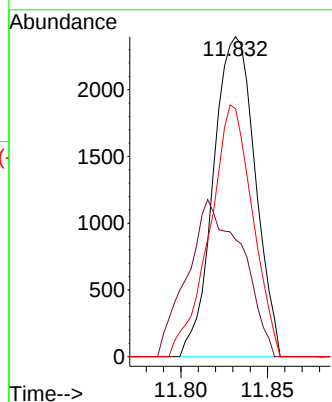
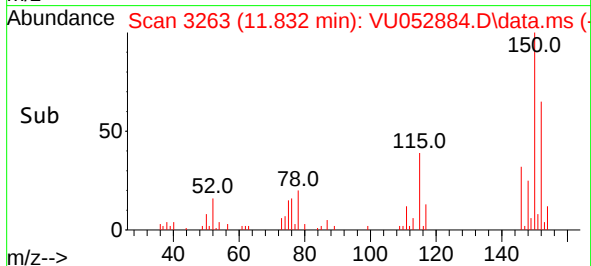


#65
1,4-Dichlorobenzene
Concen: 1.235 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052884.D
Acq: 31 Jan 2023 17:17

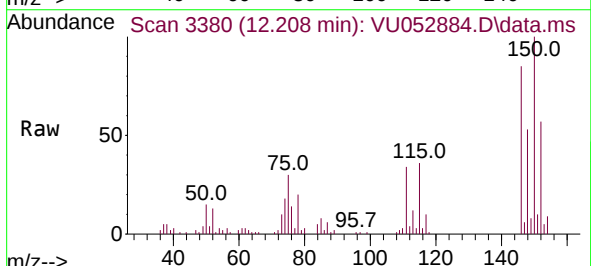
Instrument :
MSVOA_U
ClientSampleId :



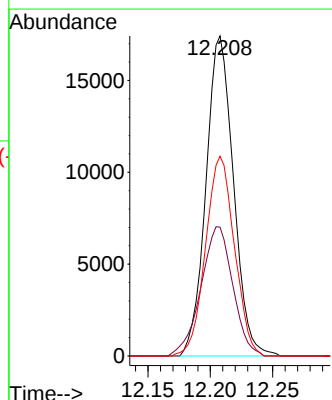
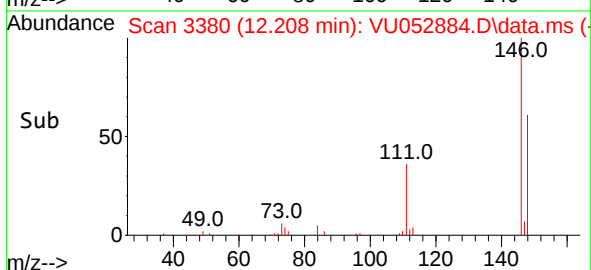
Tgt Ion:146 Resp: 4019
Ion Ratio Lower Upper
146 100
111 36.6 26.7 49.7
148 77.4 45.6 84.6

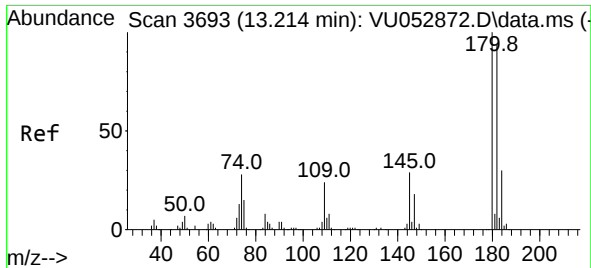


#67
1,2-Dichlorobenzene
Concen: 8.435 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU052884.D
Acq: 31 Jan 2023 17:17



Tgt Ion:146 Resp: 26825
Ion Ratio Lower Upper
146 100
111 40.3 33.2 49.8
148 62.4 50.2 75.4

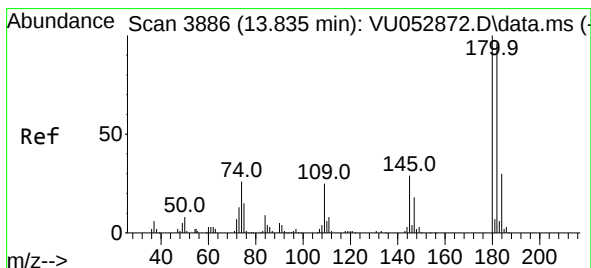
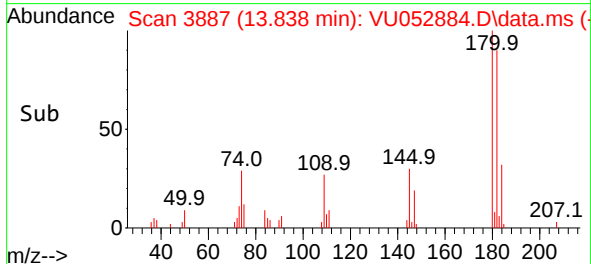
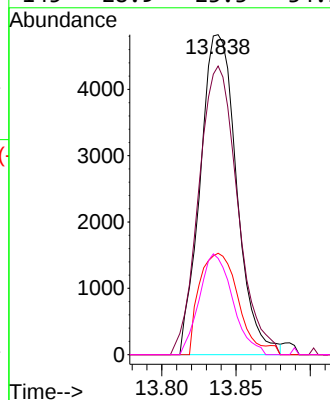
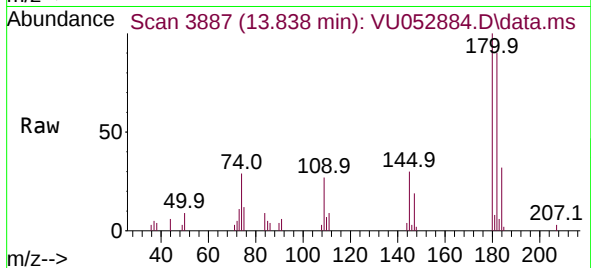




#69
 1,3,5-Trichlorobenzene
 Concen: 3.540 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.624 min
 Lab File: VU052884.D
 Acq: 31 Jan 2023 17:17

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:180	Resp:	8240
Ion Ratio	Lower	Upper
180	100	
182	95.7	77.0 115.6
184	33.2	24.4 36.6
145	28.9	23.3 34.9



#70
 1,2,4-trichlorobenzene
 Concen: 4.222 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU052884.D
 Acq: 31 Jan 2023 17:17

Tgt Ion:180	Resp:	8240
Ion Ratio	Lower	Upper
180	100	
182	95.7	78.2 117.2
145	28.9	23.4 35.2

