

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020123\
 Data File : VU052911.D
 Acq On : 01 Feb 2023 17:29
 Operator : JC/MD
 Sample : 01381-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44Q6

Quant Time: Feb 01 20:06:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 20:03:09 2023
 Response via : Initial Calibration

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

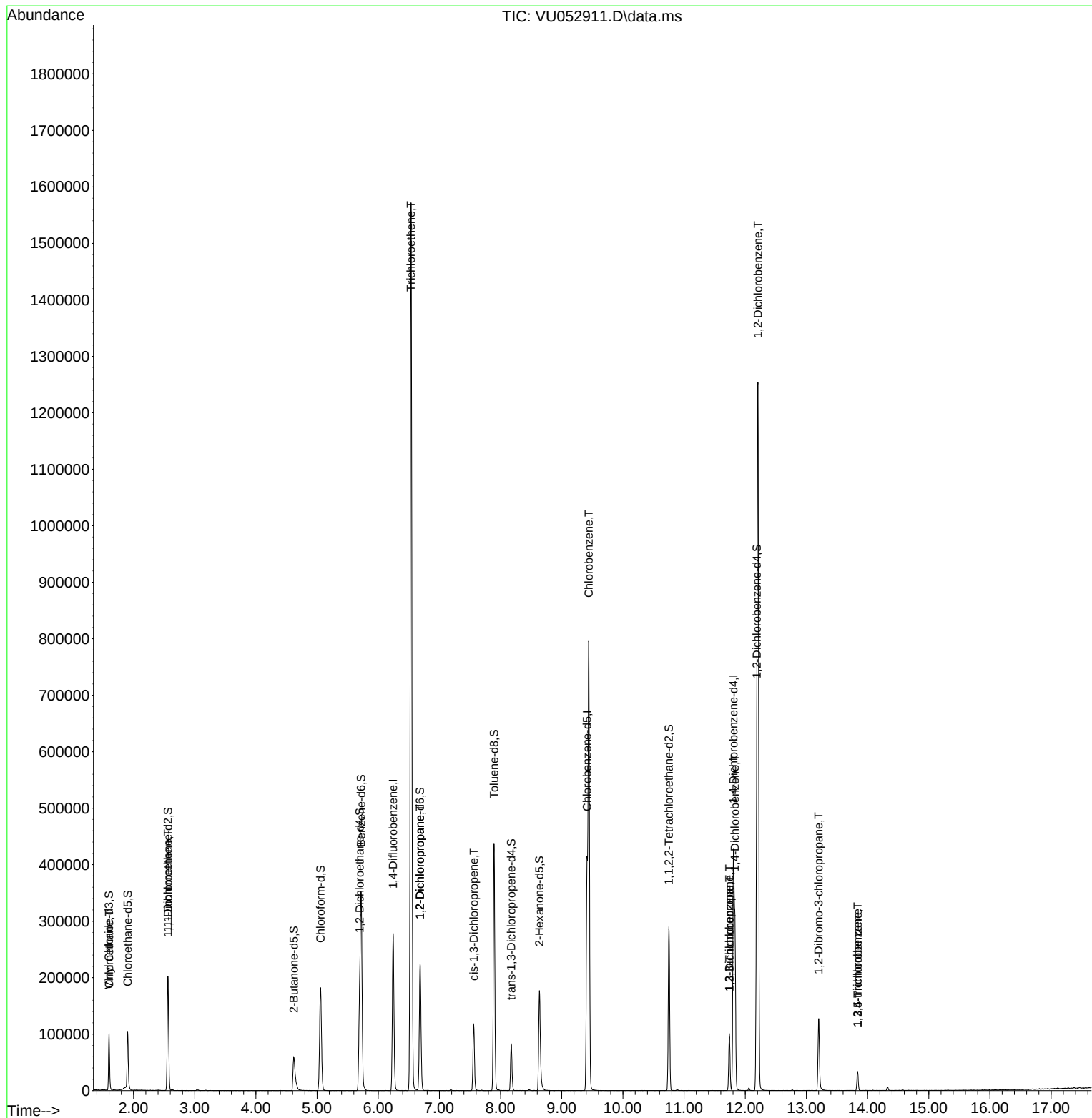
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	226896	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	223339	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	110458	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	75907	46.480	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.960%		
7) Chloroethane-d5	1.903	69	73022	54.266	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	108.540%		
11) 1,1-Dichloroethene-d2	2.562	63	118406	36.453	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.900%		
21) 2-Butanone-d5	4.620	46	88379	87.604	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	87.600%		
24) Chloroform-d	5.057	84	172606	49.524	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.040%		
26) 1,2-Dichloroethane-d4	5.697	65	115862	52.063	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.120%		
32) Benzene-d6	5.719	84	331784	48.625	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.240%		
36) 1,2-Dichloropropane-d6	6.684	67	100765	50.352	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.700%		
41) Toluene-d8	7.893	98	290210	46.708	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.420%		
43) trans-1,3-Dichloroprop...	8.176	79	46327	46.187	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.380%		
47) 2-Hexanone-d5	8.636	63	60208	85.625	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	85.620%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	134705	45.559	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.120%		
66) 1,2-Dichlorobenzene-d4	12.188	152	118731	55.358	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	110.720%		
Target Compounds						Qvalue
8) Chloroethane	1.600	64	1148	0.943	ug/L #	1
12) 1,1-Dichloroethene	2.565	96	924	0.550	ug/L #	1
34) Trichloroethene	6.536	95	522761	270.533	ug/L	97
37) 1,2-Dichloropropane	6.684	63	11658	6.237	ug/L #	85
39) cis-1,3-Dichloropropene	7.562	75	3349	1.144	ug/L #	57
51) Chlorobenzene	9.443	112	435477	81.237	ug/L	98
60) 1,2,3-Trichloropropane	11.742	75	11359	5.301	ug/L #	48
64) 1,3-Dichlorobenzene	11.742	146	40784	11.331	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	121199	32.527	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	481876	132.364	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.201	75	3511	5.717	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.838	180	11595	4.352	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	11595	5.190	ug/L	98

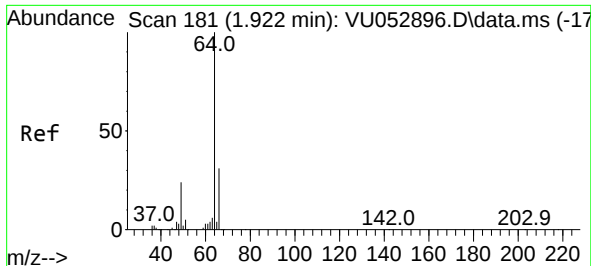
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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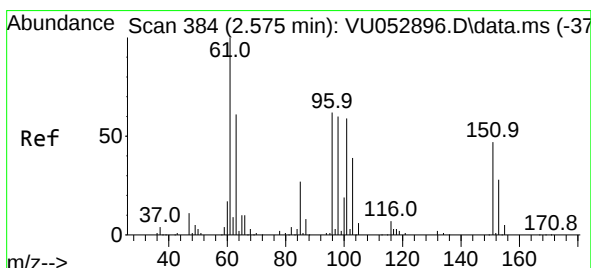
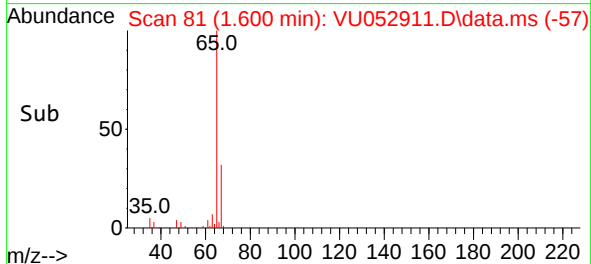
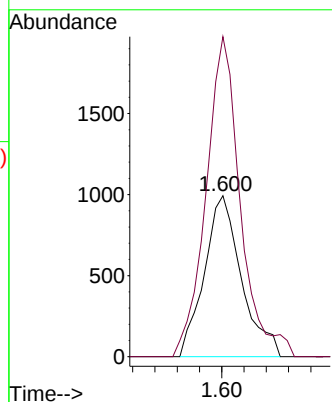
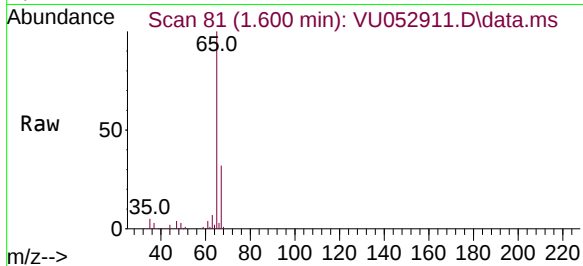




#8
Chloroethane
Concen: 0.943 ug/L
RT: 1.600 min Scan# 81
Delta R.T. -0.322 min
Lab File: VU052911.D
Acq: 01 Feb 2023 17:29

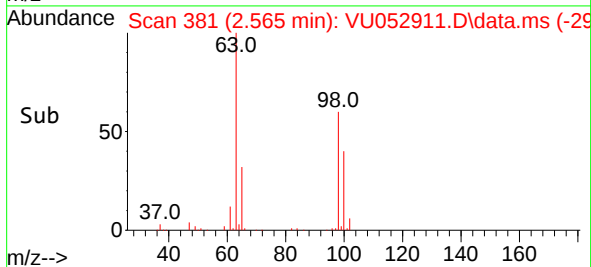
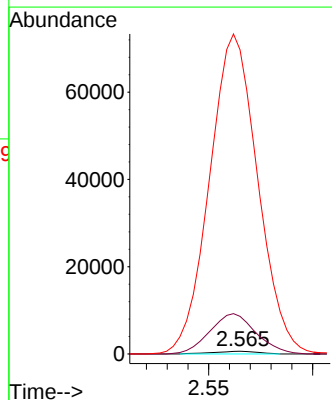
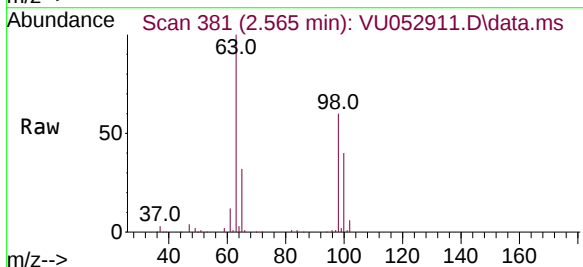
Instrument :
MSVOA_U
ClientSampleId :
A44Q6

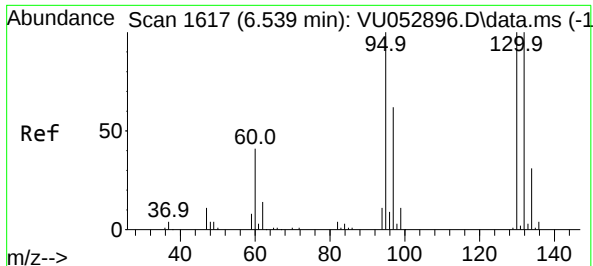
Tgt Ion: 64 Resp: 1148
Ion Ratio Lower Upper
64 100
66 198.8 24.1 44.7#



#12
1,1-Dichloroethene
Concen: 0.550 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.010 min
Lab File: VU052911.D
Acq: 01 Feb 2023 17:29

Tgt Ion: 96 Resp: 924
Ion Ratio Lower Upper
96 100
61 1403.6 114.3 212.3#
63 11353.7 80.6 149.6#





#34

Trichloroethene

Concen: 270.533 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052911.D

Acq: 01 Feb 2023 17:29

Instrument :

MSVOA_U

ClientSampleId :

A44Q6

Tgt Ion: 95 Resp: 522761

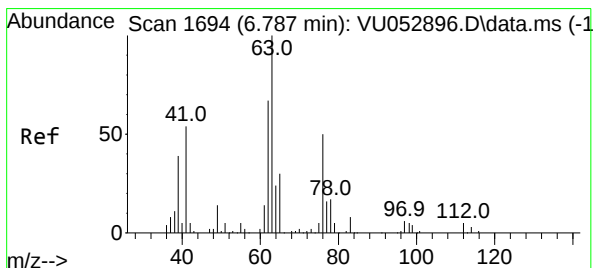
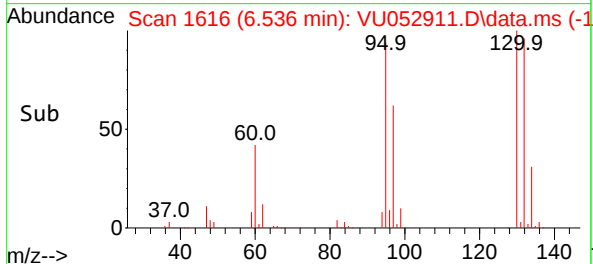
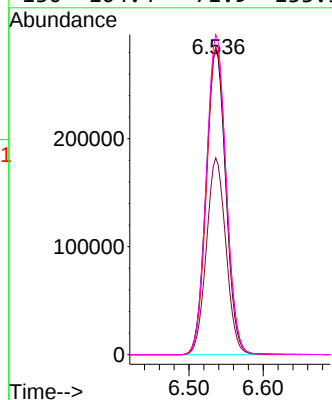
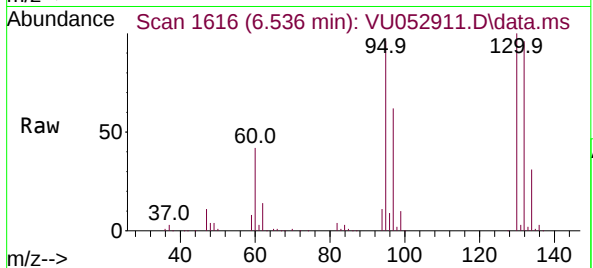
Ion Ratio Lower Upper

95 100

97 64.3 44.5 82.7

132 100.7 66.8 124.0

130 104.4 71.9 133.5



#37

1,2-Dichloropropane

Concen: 6.237 ug/L

RT: 6.684 min Scan# 1662

Delta R.T. -0.103 min

Lab File: VU052911.D

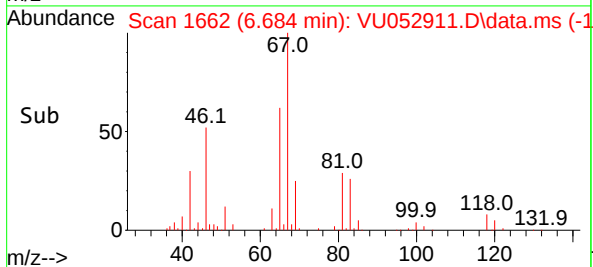
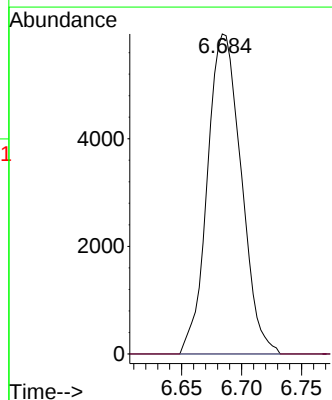
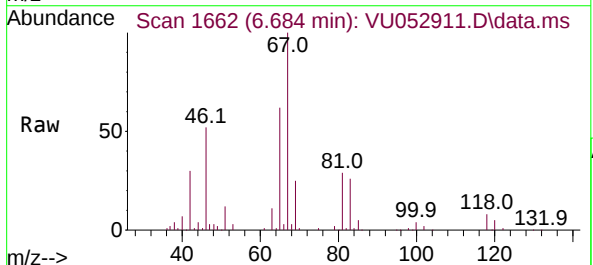
Acq: 01 Feb 2023 17:29

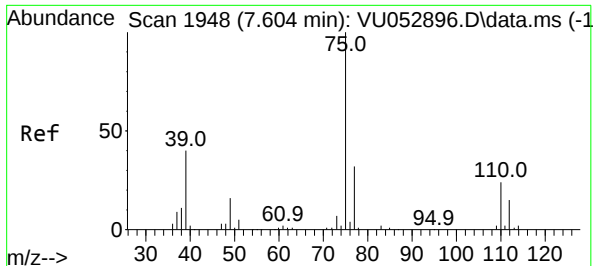
Tgt Ion: 63 Resp: 11658

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#

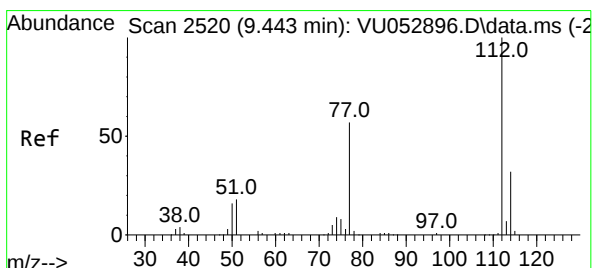
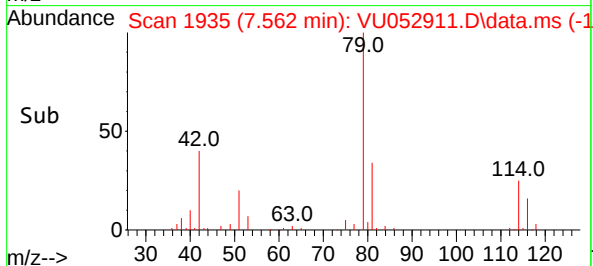
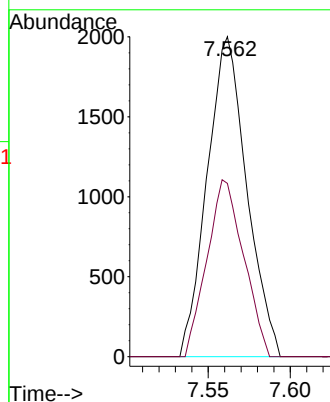
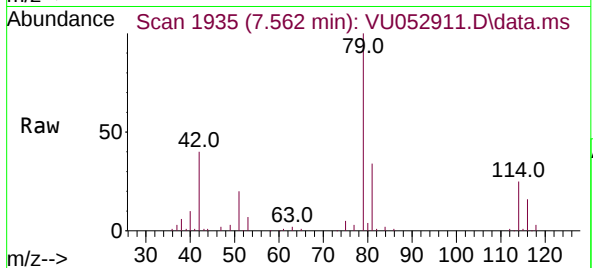




#39
 cis-1,3-Dichloropropene
 Concen: 1.144 ug/L
 RT: 7.562 min Scan# 1935
 Delta R.T. -0.042 min
 Lab File: VU052911.D
 Acq: 01 Feb 2023 17:29

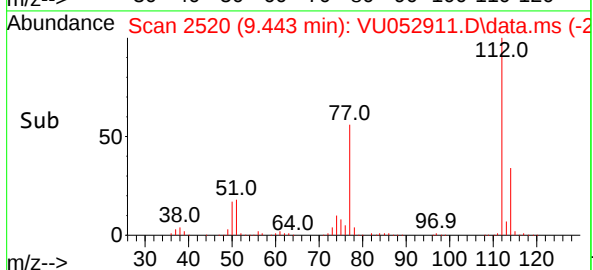
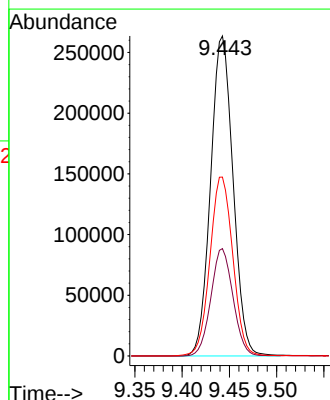
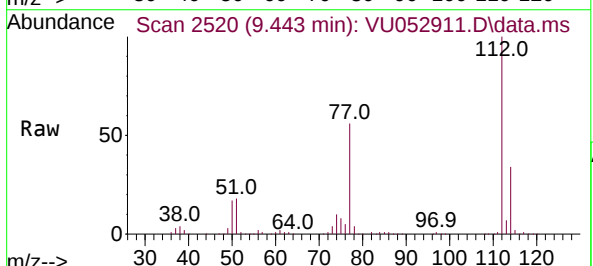
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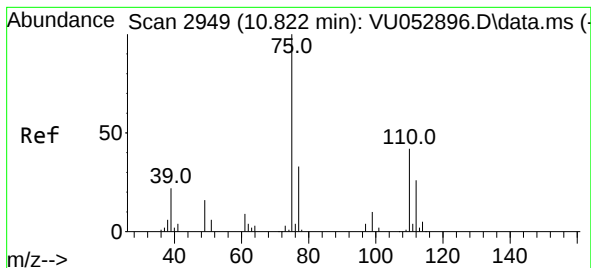
Tgt Ion: 75 Resp: 3349
 Ion Ratio Lower Upper
 75 100
 77 54.2 21.6 40.0#



#51
 Chlorobenzene
 Concen: 81.237 ug/L
 RT: 9.443 min Scan# 2520
 Delta R.T. -0.000 min
 Lab File: VU052911.D
 Acq: 01 Feb 2023 17:29

Tgt Ion: 112 Resp: 435477
 Ion Ratio Lower Upper
 112 100
 114 33.5 22.8 42.4
 77 55.9 45.9 68.9





#60

1,2,3-Trichloropropane

Concen: 5.301 ug/L

RT: 11.742 min Scan# 31

Delta R.T. 0.920 min

Lab File: VU052911.D

Acq: 01 Feb 2023 17:29

Instrument :

MSVOA_U

ClientSampleId :

A44Q6

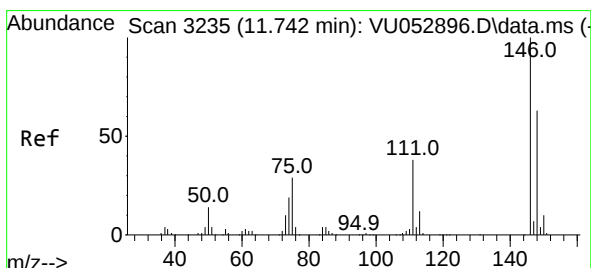
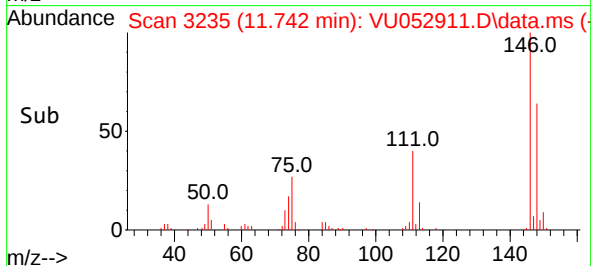
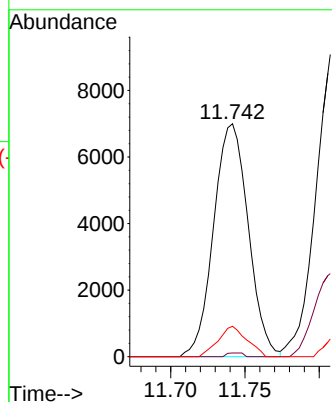
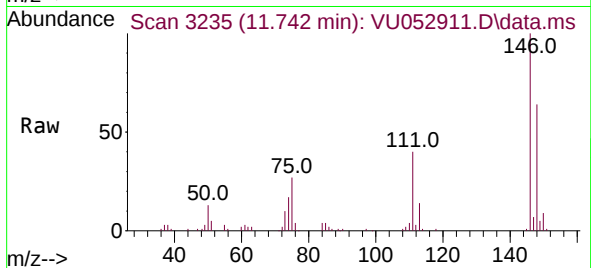
Tgt Ion: 75 Resp: 11359

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#

110 10.8 32.4 48.6#



#64

1,3-Dichlorobenzene

Concen: 11.331 ug/L

RT: 11.742 min Scan# 3235

Delta R.T. -0.000 min

Lab File: VU052911.D

Acq: 01 Feb 2023 17:29

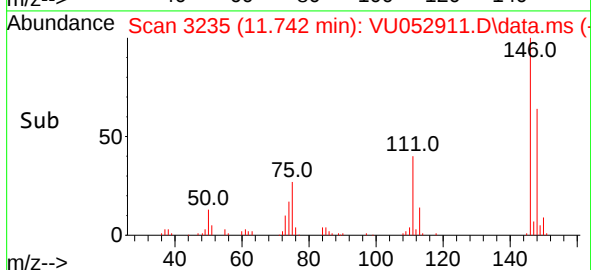
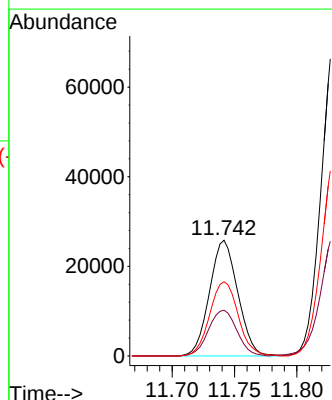
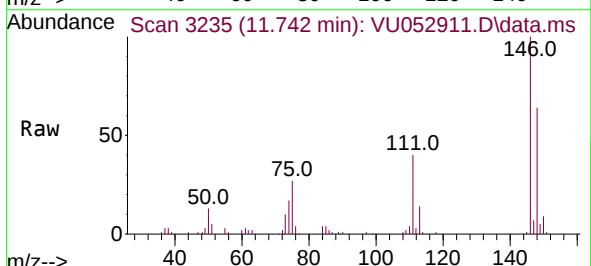
Tgt Ion:146 Resp: 40784

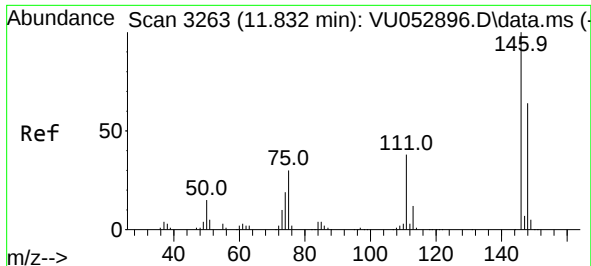
Ion Ratio Lower Upper

146 100

111 39.5 27.8 51.6

148 64.2 45.5 84.5

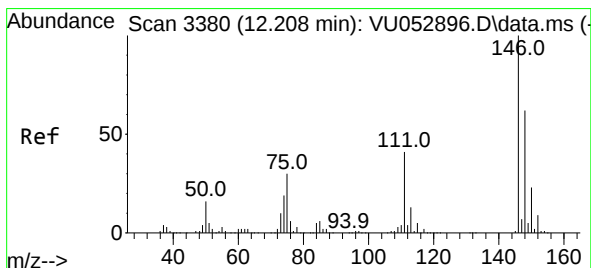
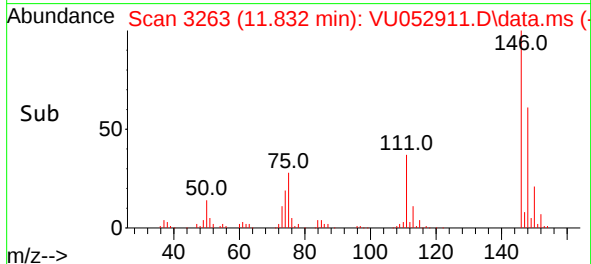
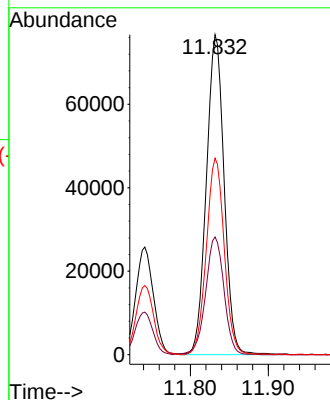
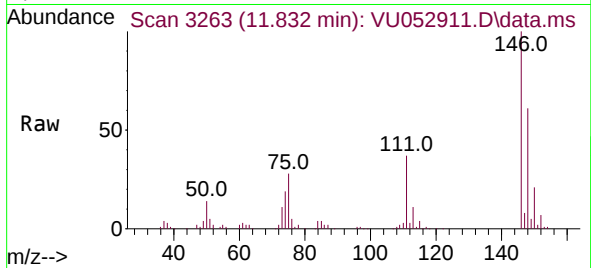




#65
1,4-Dichlorobenzene
Concen: 32.527 ug/L
RT: 11.832 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052911.D
Acq: 01 Feb 2023 17:29

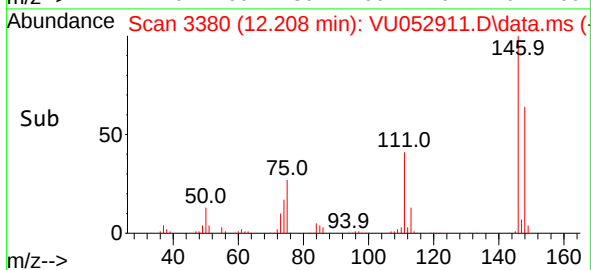
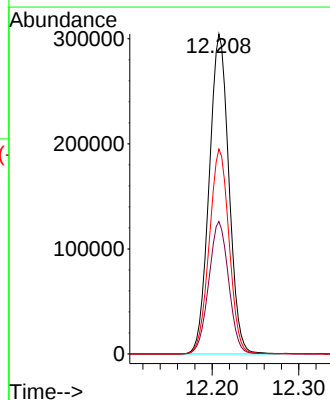
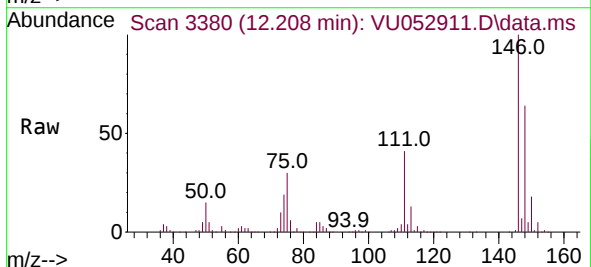
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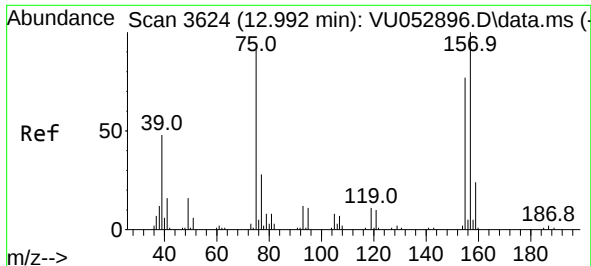
Tgt Ion:146 Resp: 121199
Ion Ratio Lower Upper
146 100
111 36.8 26.7 49.7
148 61.4 45.6 84.6



#67
1,2-Dichlorobenzene
Concen: 132.364 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU052911.D
Acq: 01 Feb 2023 17:29

Tgt Ion:146 Resp: 481876
Ion Ratio Lower Upper
146 100
111 41.4 33.2 49.8
148 64.1 50.2 75.4

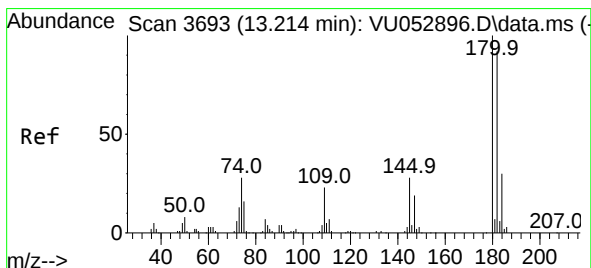
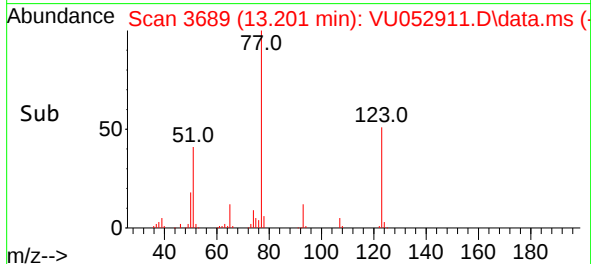
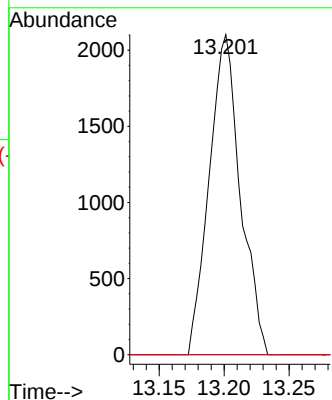
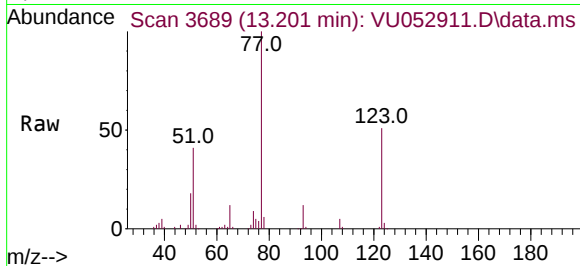




#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.717 ug/L
 RT: 13.201 min Scan# 3011
 Delta R.T. 0.209 min
 Lab File: VU052911.D
 Acq: 01 Feb 2023 17:29

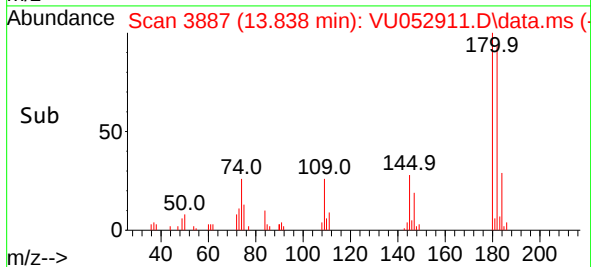
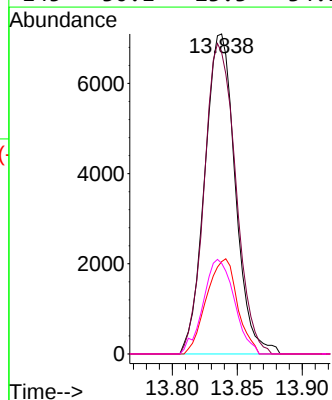
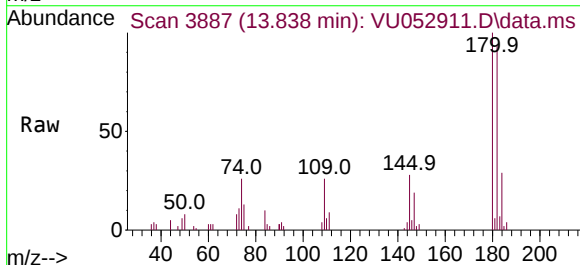
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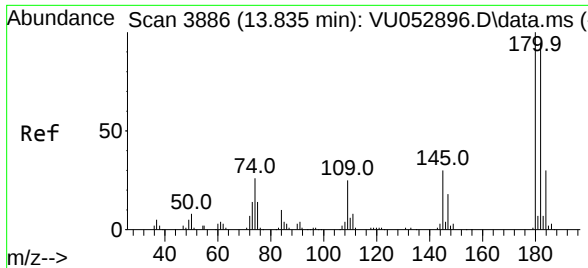
Tgt Ion: 75 Resp: 3511
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.2 103.8#
 157 0.0 91.2 136.8#



#69
 1,3,5-Trichlorobenzene
 Concen: 4.352 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.624 min
 Lab File: VU052911.D
 Acq: 01 Feb 2023 17:29

Tgt Ion: 180 Resp: 11595
 Ion Ratio Lower Upper
 180 100
 182 99.4 77.0 115.6
 184 30.0 24.4 36.6
 145 30.1 23.3 34.9





#70
 1,2,4-trichlorobenzene
 Concen: 5.190 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU052911.D
 Acq: 01 Feb 2023 17:29

Instrument :
 MSVOA_U
 ClientSampleId :
 A44Q6

Tgt Ion:	180	Resp:	11595
Ion Ratio	Lower	Upper	
180	100		
182	99.4	78.2	117.2
145	30.1	23.4	35.2

