

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020123\
 Data File : VU052904.D
 Acq On : 01 Feb 2023 14:45
 Operator : JC/MD
 Sample : 01381-03DL 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44M7DL

Quant Time: Feb 01 20:05:23 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)

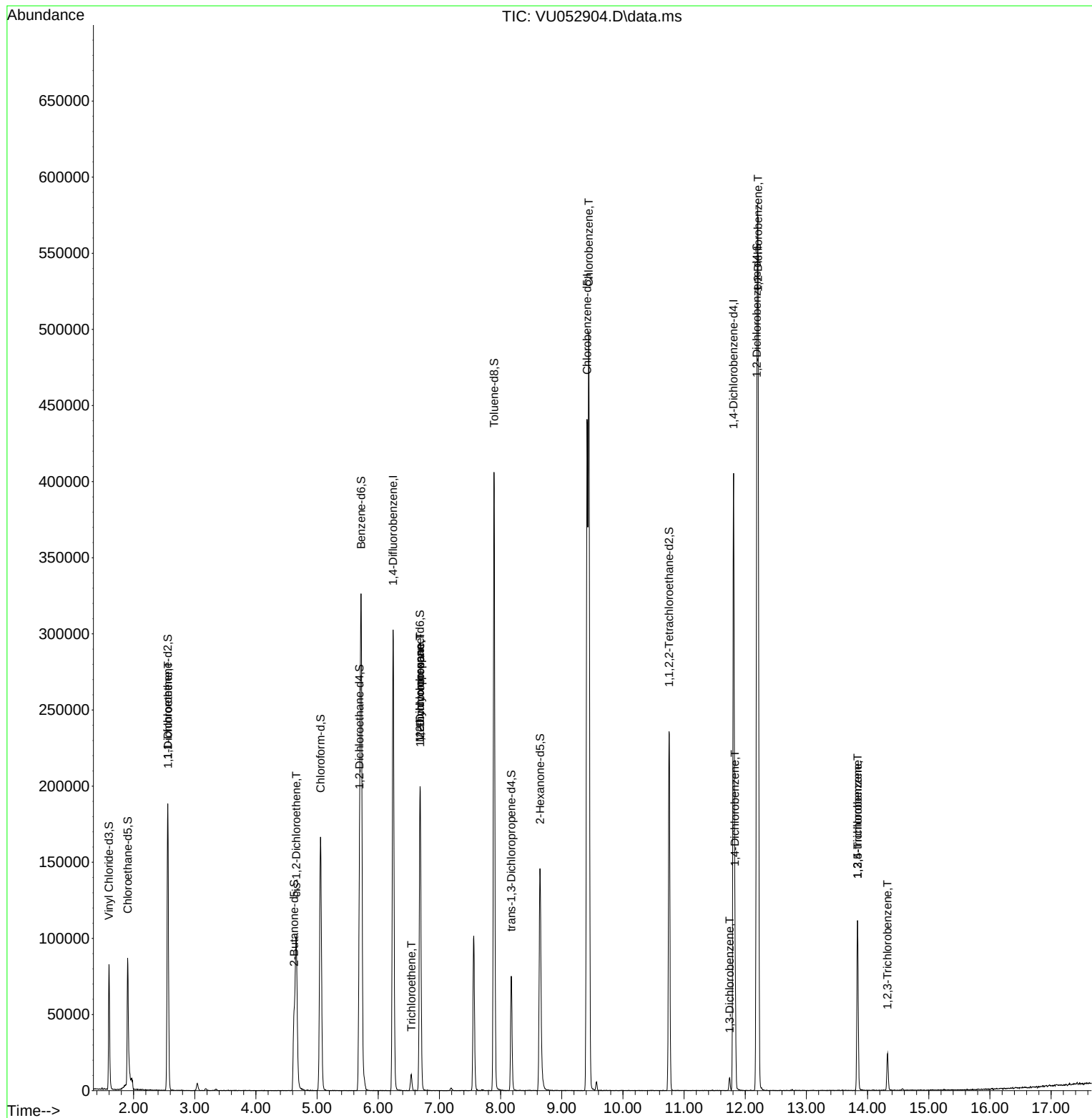
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	253871	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	249686	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	114889	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	65844	36.035	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	72.060%		
7) Chloroethane-d5	1.903	69	64932	43.127	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.260%		
11) 1,1-Dichloroethene-d2	2.559	63	110423	30.383	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	60.760%		
21) 2-Butanone-d5	4.623	46	78034	69.131	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	69.130%		
24) Chloroform-d	5.057	84	159766	40.969	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.940%		
26) 1,2-Dichloroethane-d4	5.694	65	105776	42.480	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.960%		
32) Benzene-d6	5.719	84	307889	40.361	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.720%		
36) 1,2-Dichloropropane-d6	6.684	67	90639	40.513	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	81.020%		
41) Toluene-d8	7.893	98	264831	38.126	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	76.260%#		
43) trans-1,3-Dichloroprop...	8.176	79	42883	38.242	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.480%		
47) 2-Hexanone-d5	8.645	63	54960	69.914	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	69.910%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	109154	33.022	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	66.040%		
66) 1,2-Dichlorobenzene-d4	12.188	152	105180	47.148	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.300%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.562	96	1049	0.559	ug/L #	1
20) cis-1,2-Dichloroethene	4.661	96	47926	22.117	ug/L	97
34) Trichloroethene	6.542	95	3634	1.682	ug/L	94
35) Methylcyclohexane	6.684	83	23774	6.953	ug/L #	20
37) 1,2-Dichloropropane	6.687	63	10731	5.135	ug/L #	85
51) Chlorobenzene	9.443	112	275744	46.011	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	3843	1.027	ug/L	87
65) 1,4-Dichlorobenzene	11.832	146	36061	9.305	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	213823	56.469	ug/L	98
69) 1,3,5-Trichlorobenzene	13.838	180	39664	14.312	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	39664	17.070	ug/L	97
72) 1,2,3-Trichlorobenzene	14.327	180	8797	3.582	ug/L	99

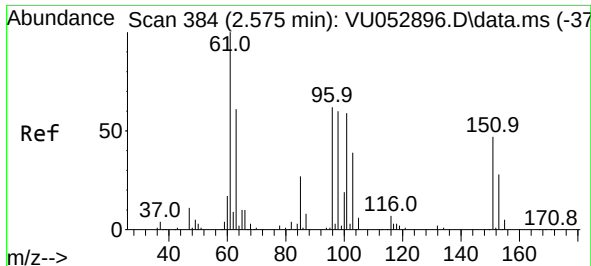
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.559 ug/L

RT: 2.562 min Scan# 384

Delta R.T. -0.013 min

Lab File: VU052904.D

Acq: 01 Feb 2023 14:45

Instrument :

MSVOA_U

ClientSampleId :

A44M7DL

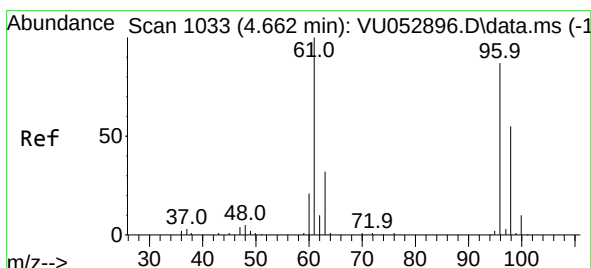
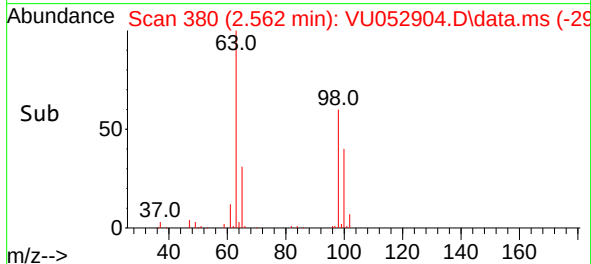
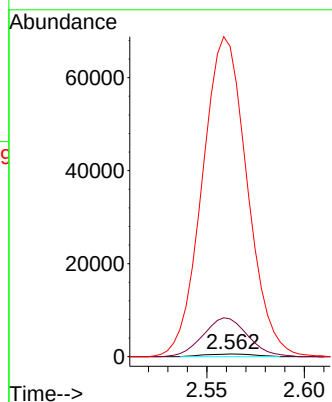
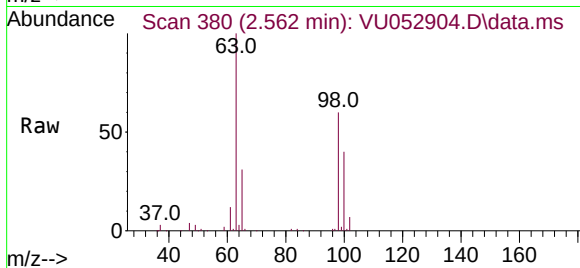
Tgt Ion: 96 Resp: 1049

Ion Ratio Lower Upper

96 100

61 1401.2 114.3 212.3#

63 11520.6 80.6 149.6#



#20

cis-1,2-Dichloroethene

Concen: 22.117 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052904.D

Acq: 01 Feb 2023 14:45

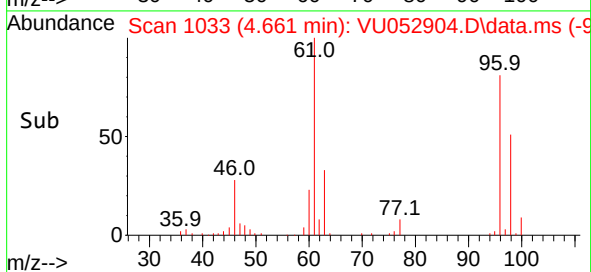
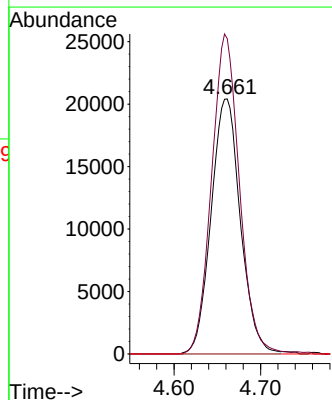
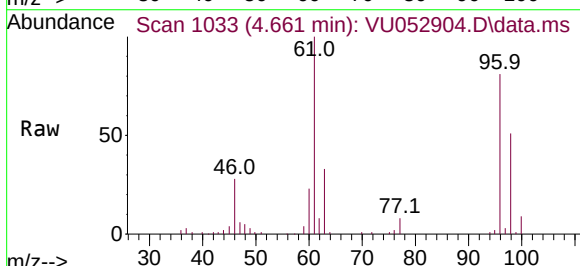
Tgt Ion: 96 Resp: 47926

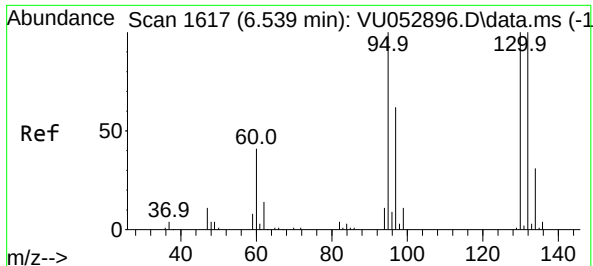
Ion Ratio Lower Upper

96 100

61 123.6 84.1 156.1

68 0.0 0.0 0.0

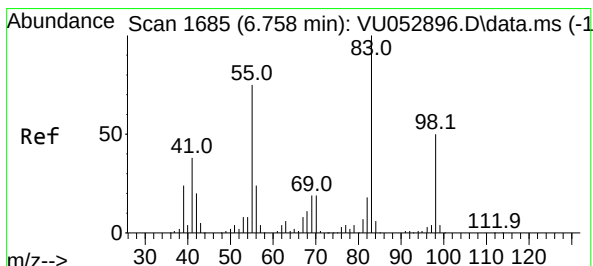
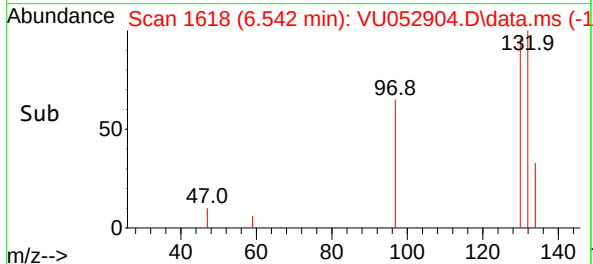
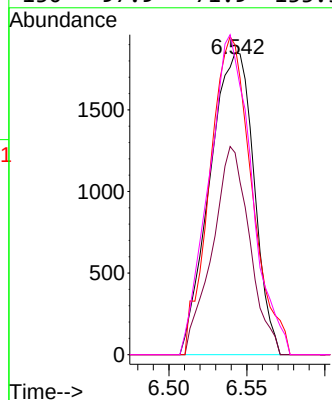
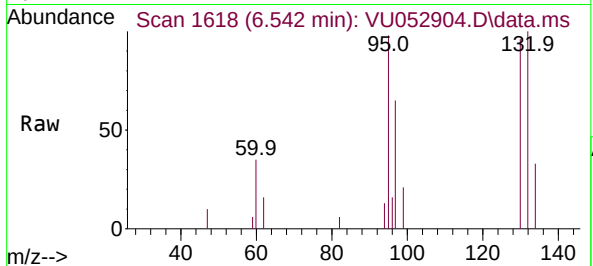




#34
Trichloroethene
Concen: 1.682 ug/L
RT: 6.542 min Scan# 1662
Delta R.T. 0.003 min
Lab File: VU052904.D
Acq: 01 Feb 2023 14:45

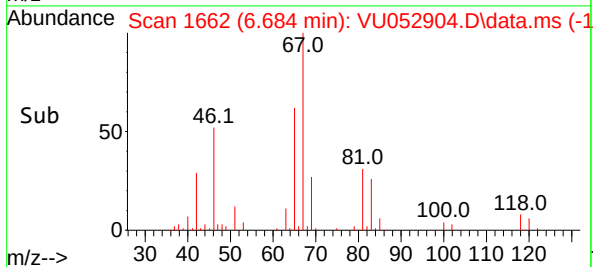
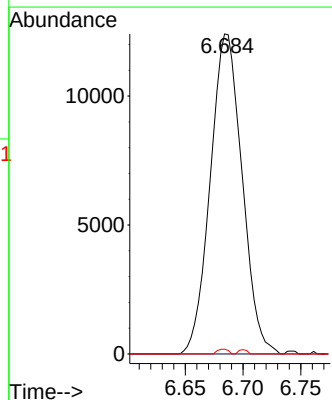
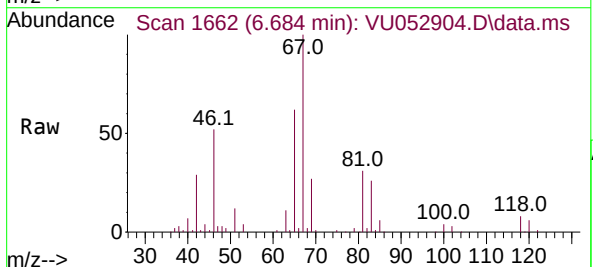
Instrument :
MSVOA_U
ClientSampleId :
A44M7DL

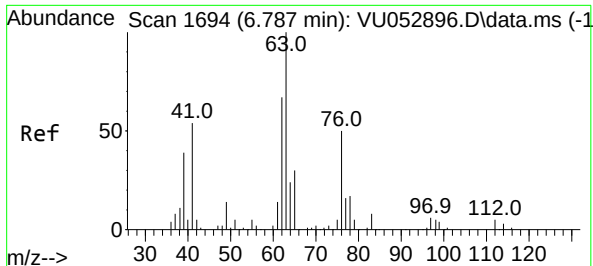
Tgt Ion: 95 Resp: 3634
Ion Ratio Lower Upper
95 100
97 66.9 44.5 82.7
132 102.5 66.8 124.0
130 97.9 71.9 133.5



#35
Methylcyclohexane
Concen: 6.953 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.074 min
Lab File: VU052904.D
Acq: 01 Feb 2023 14:45

Tgt Ion: 83 Resp: 23774
Ion Ratio Lower Upper
83 100
55 0.0 57.1 85.7#
98 0.5 38.9 58.3#





#37

1,2-Dichloropropane

Concen: 5.135 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU052904.D

Acq: 01 Feb 2023 14:45

Instrument :

MSVOA_U

ClientSampleId :

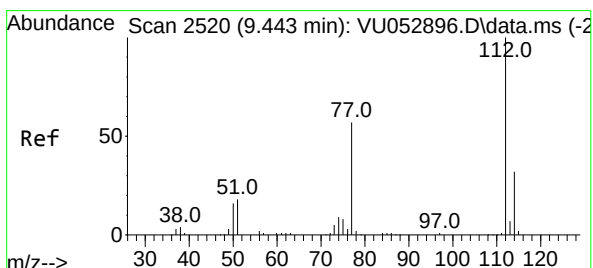
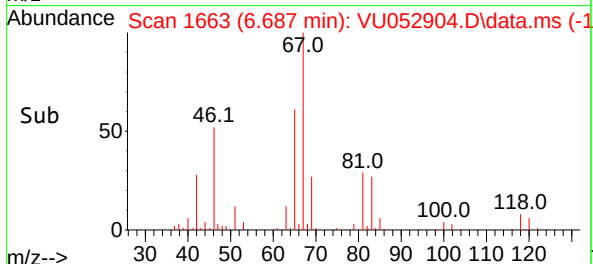
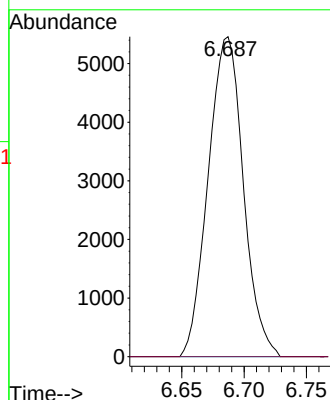
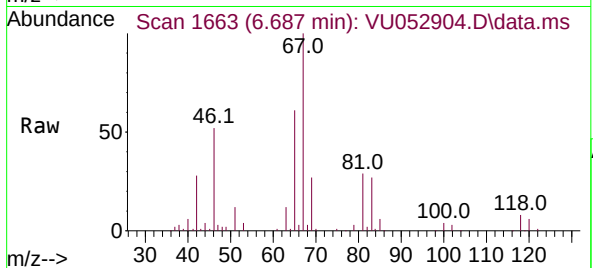
A44M7DL

Tgt Ion: 63 Resp: 10731

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#51

Chlorobenzene

Concen: 46.011 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052904.D

Acq: 01 Feb 2023 14:45

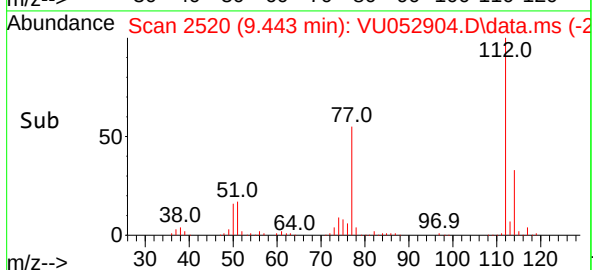
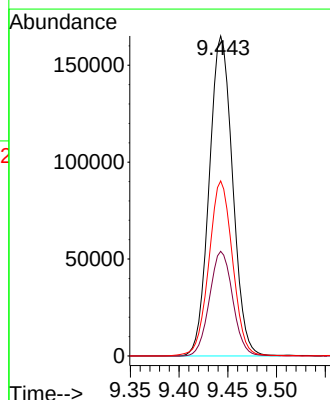
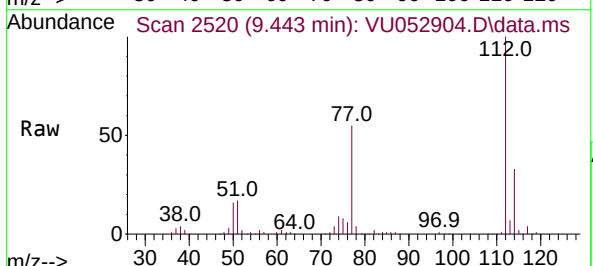
Tgt Ion: 112 Resp: 275744

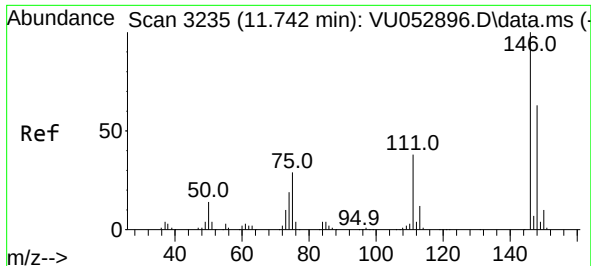
Ion Ratio Lower Upper

112 100

114 32.7 22.8 42.4

77 54.7 45.9 68.9

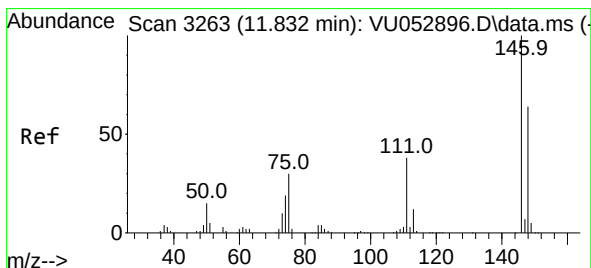
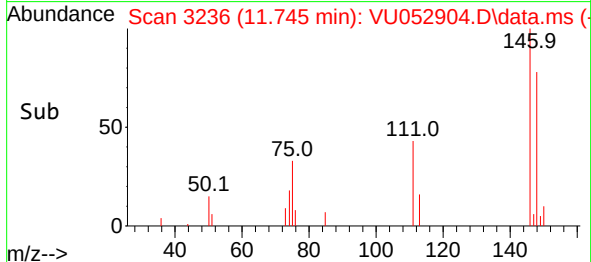
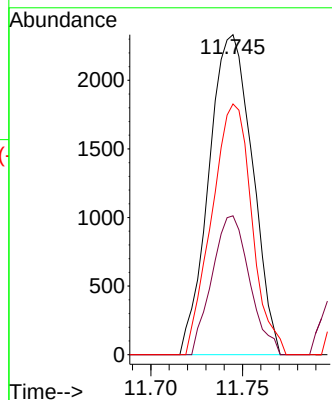
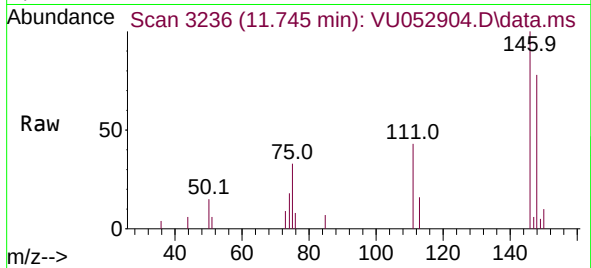




#64
1,3-Dichlorobenzene
Concen: 1.027 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU052904.D
Acq: 01 Feb 2023 14:45

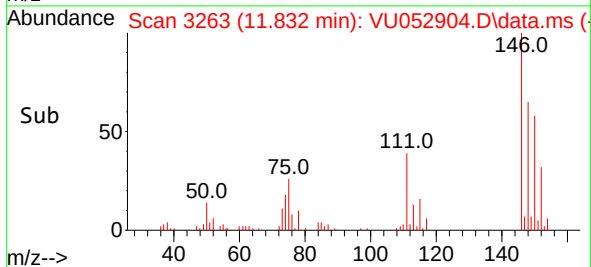
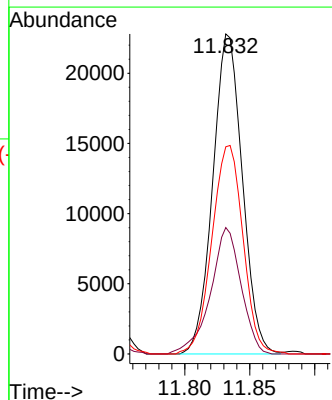
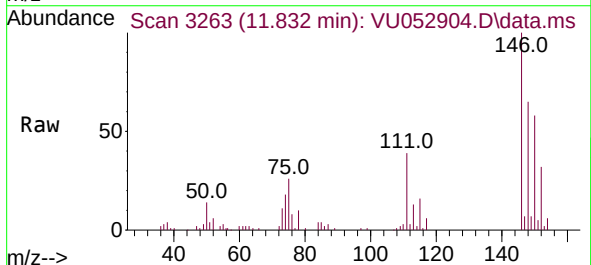
Instrument :
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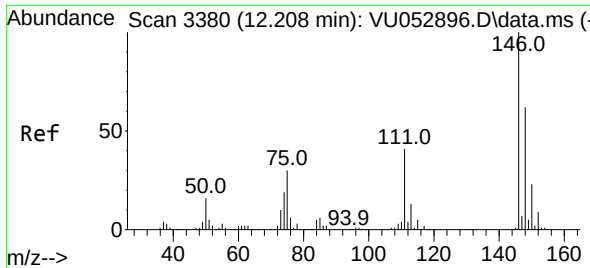
Tgt Ion:146 Resp: 3843
Ion Ratio Lower Upper
146 100
111 43.4 27.8 51.6
148 78.4 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 9.305 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052904.D
Acq: 01 Feb 2023 14:45

Tgt Ion:146 Resp: 36061
Ion Ratio Lower Upper
146 100
111 39.5 26.7 49.7
148 64.8 45.6 84.6

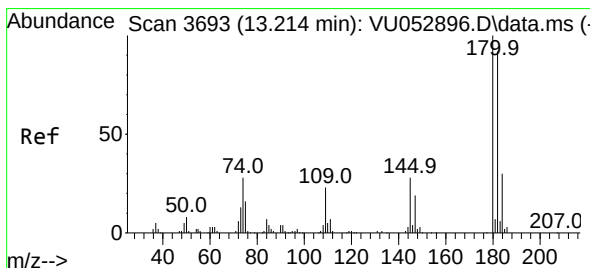
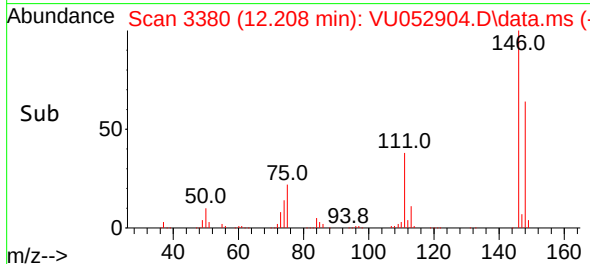
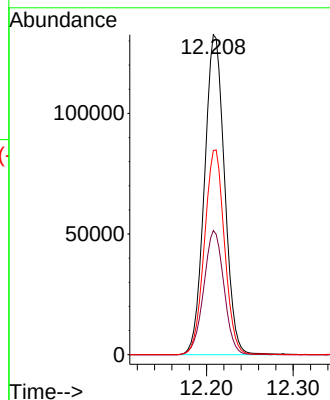
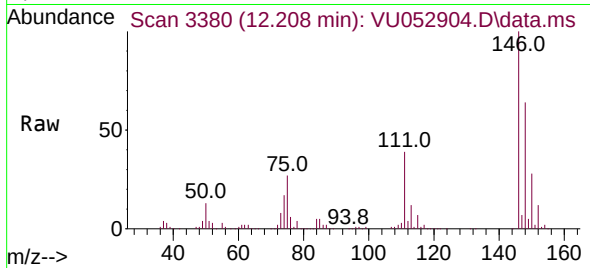




#67
1,2-Dichlorobenzene
Concen: 56.469 ug/L
RT: 12.208 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052904.D
Acq: 01 Feb 2023 14:45

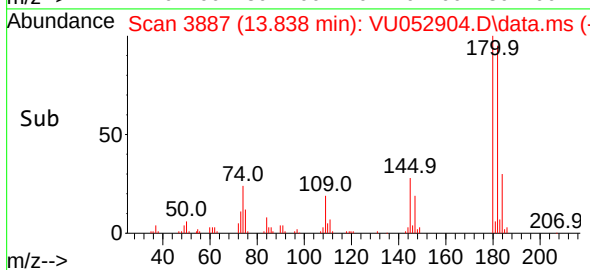
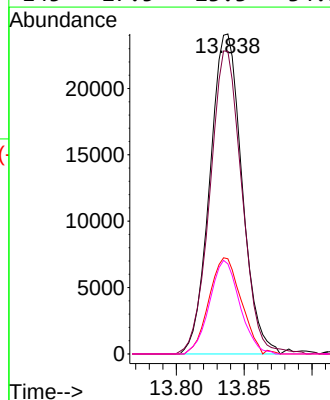
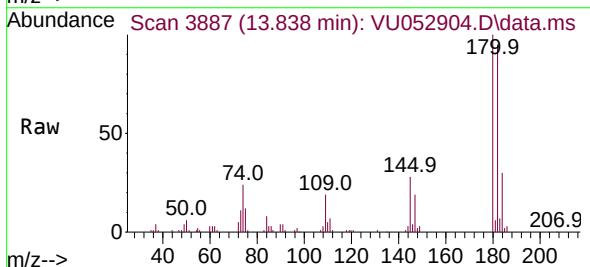
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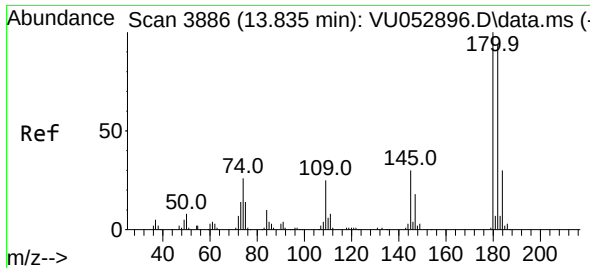
Tgt Ion:146 Resp: 213823
Ion Ratio Lower Upper
146 100
111 38.8 33.2 49.8
148 63.8 50.2 75.4



#69
1,3,5-Trichlorobenzene
Concen: 14.312 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.624 min
Lab File: VU052904.D
Acq: 01 Feb 2023 14:45

Tgt Ion:180 Resp: 39664
Ion Ratio Lower Upper
180 100
182 94.3 77.0 115.6
184 29.9 24.4 36.6
145 27.5 23.3 34.9

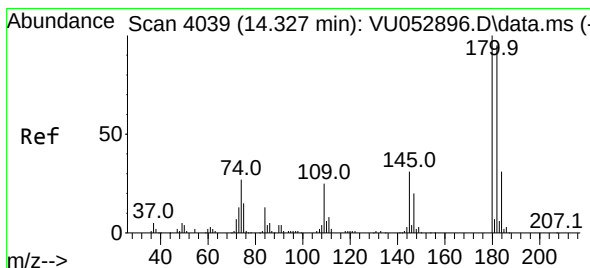
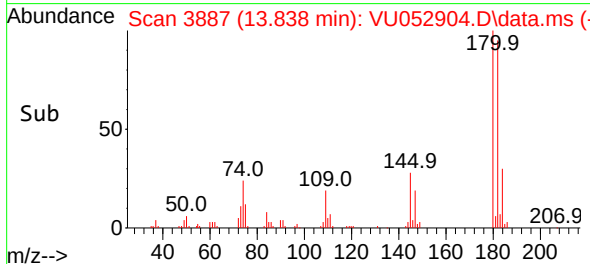
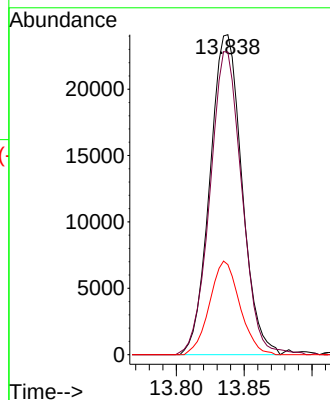
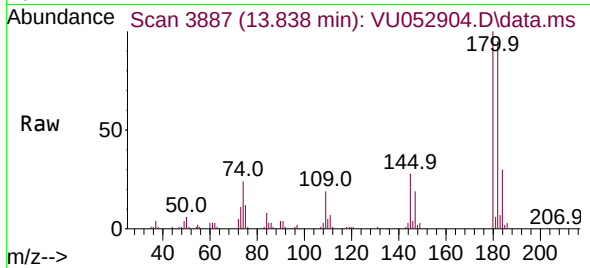




#70
1,2,4-trichlorobenzene
Concen: 17.070 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.003 min
Lab File: VU052904.D
Acq: 01 Feb 2023 14:45

Instrument :
MSVOA_U
ClientSampleId :
A44M7DL

Tgt Ion:180 Resp: 39664
Ion Ratio Lower Upper
180 100
182 94.3 78.2 117.2
145 27.5 23.4 35.2



#72
1,2,3-Trichlorobenzene
Concen: 3.582 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU052904.D
Acq: 01 Feb 2023 14:45

Tgt Ion:180 Resp: 8797
Ion Ratio Lower Upper
180 100
182 96.1 77.5 116.3
145 30.5 24.2 36.4

