

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020123\
 Data File : VU052900.D
 Acq On : 01 Feb 2023 13:11
 Operator : JC/MD
 Sample : 01381-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44N1

Quant Time: Feb 01 20:04:29 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)

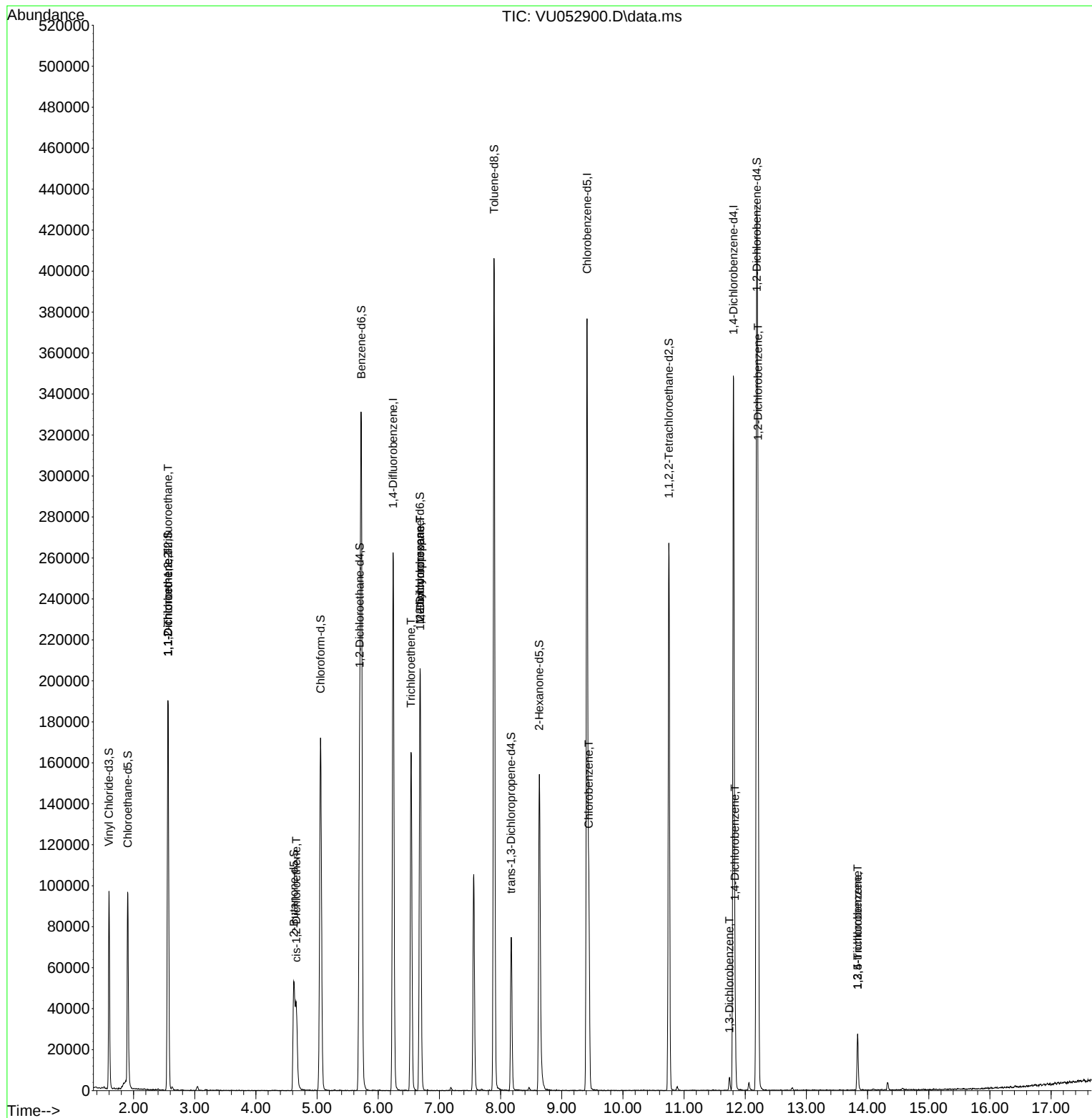
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	217275	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	210730	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	97141	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	74750	47.799	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.600%		
7) Chloroethane-d5	1.903	69	70283	54.543	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	109.080%		
11) 1,1-Dichloroethene-d2	2.562	63	113254	36.411	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.820%		
21) 2-Butanone-d5	4.620	46	75083	77.720	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	77.720%		
24) Chloroform-d	5.057	84	163991	49.135	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.280%		
26) 1,2-Dichloroethane-d4	5.697	65	108388	50.861	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.720%		
32) Benzene-d6	5.722	84	309326	48.046	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.100%		
36) 1,2-Dichloropropane-d6	6.684	67	94114	49.843	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.680%		
41) Toluene-d8	7.893	98	267412	45.614	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.220%		
43) trans-1,3-Dichloroprop...	8.173	79	44359	46.872	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.740%		
47) 2-Hexanone-d5	8.632	63	52180	78.648	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	78.650%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	121892	43.692	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	87.380%		
66) 1,2-Dichlorobenzene-d4	12.188	152	103442	54.841	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	109.680%		
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1072	0.612	ug/L #	19
12) 1,1-Dichloroethene	2.562	96	1003	0.624	ug/L #	1
20) cis-1,2-Dichloroethene	4.661	96	17901	9.652	ug/L	96
34) Trichloroethene	6.536	95	55056	30.197	ug/L	93
35) Methylcyclohexane	6.684	83	25381	8.795	ug/L #	20
37) 1,2-Dichloropropane	6.687	63	11000	6.237	ug/L #	85
51) Chlorobenzene	9.443	112	52224	10.325	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	3219	1.017	ug/L	94
65) 1,4-Dichlorobenzene	11.832	146	19184	5.854	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	94139	29.403	ug/L	96
69) 1,3,5-Trichlorobenzene	13.838	180	9734	4.154	ug/L	96
70) 1,2,4-trichlorobenzene	13.838	180	9734	4.955	ug/L	95

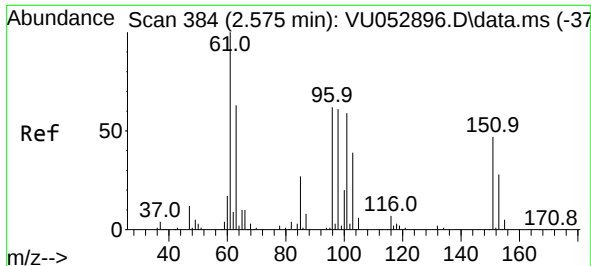
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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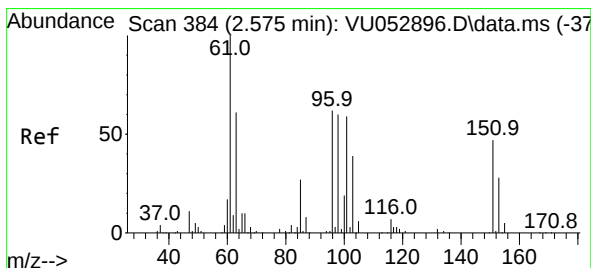
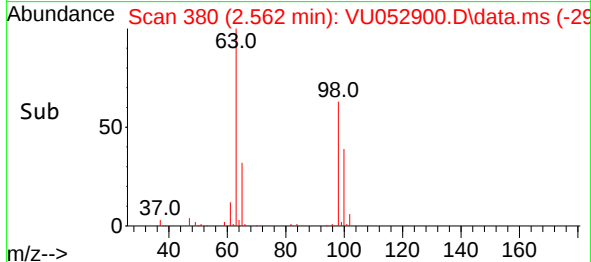
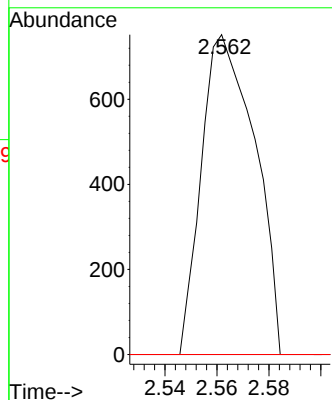
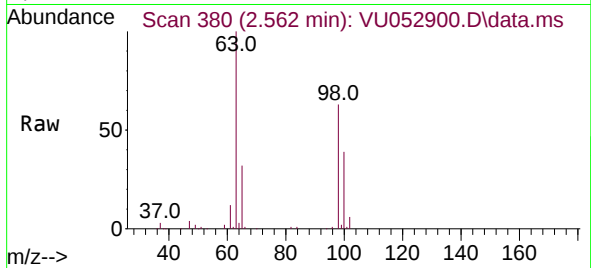




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.612 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.013 min
 Lab File: VU052900.D
 Acq: 01 Feb 2023 13:11

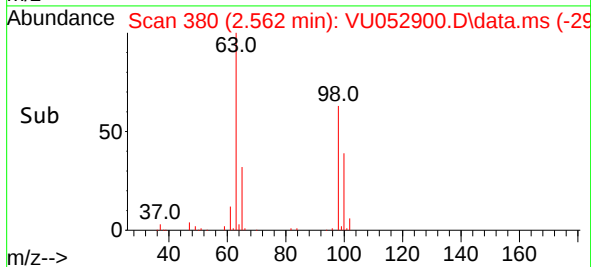
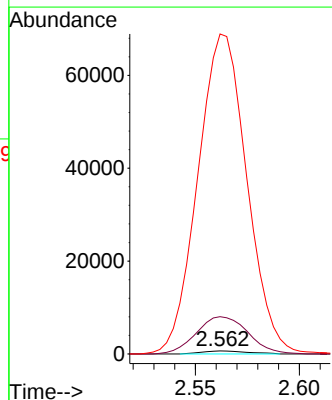
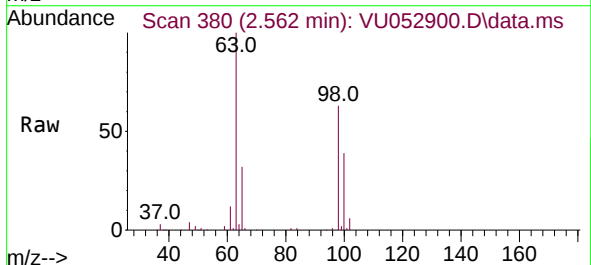
Instrument :
 MSVOA_U
 ClientSampleId :
 A44N1

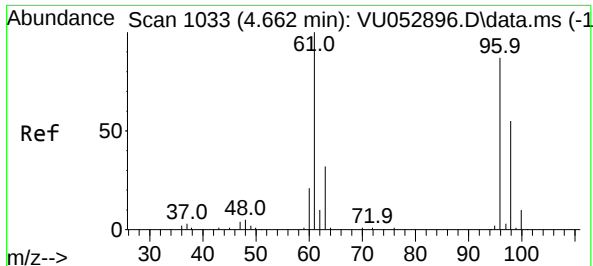
Tgt Ion:101 Resp: 1072
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.9 49.3#
 151 0.0 62.6 94.0#



#12
 1,1-Dichloroethene
 Concen: 0.624 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.013 min
 Lab File: VU052900.D
 Acq: 01 Feb 2023 13:11

Tgt Ion: 96 Resp: 1003
 Ion Ratio Lower Upper
 96 100
 61 1253.4 114.3 212.3#
 63 10735.2 80.6 149.6#

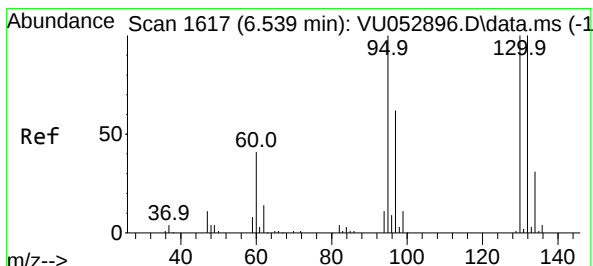
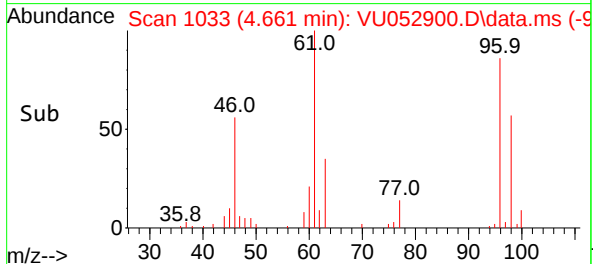
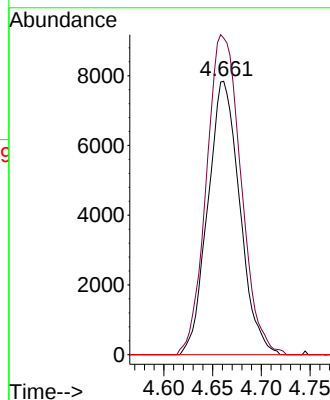
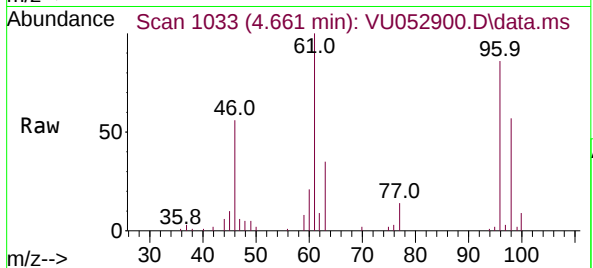




#20
cis-1,2-Dichloroethene
Concen: 9.652 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU052900.D
Acq: 01 Feb 2023 13:11

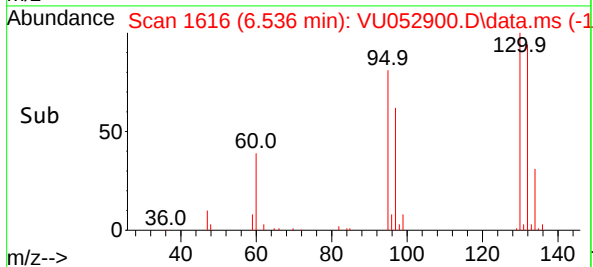
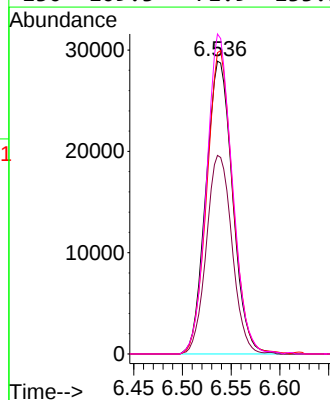
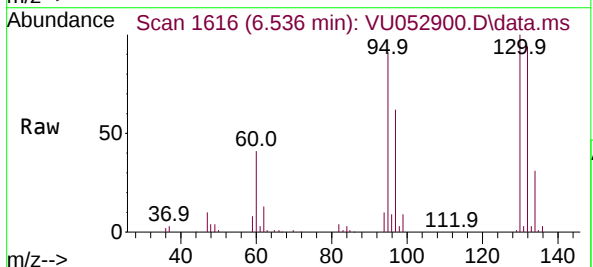
Instrument :
MSVOA_U
ClientSampleId :
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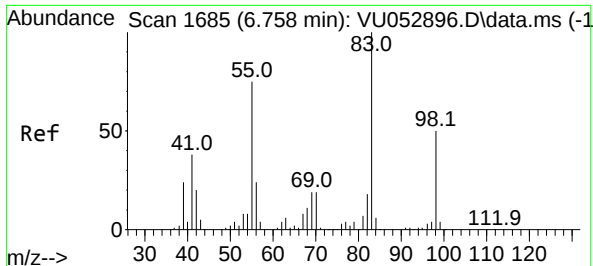
Tgt Ion: 96 Resp: 17901
Ion Ratio Lower Upper
96 100
61 115.7 84.1 156.1
68 0.0 0.0 0.0



#34
Trichloroethene
Concen: 30.197 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU052900.D
Acq: 01 Feb 2023 13:11

Tgt Ion: 95 Resp: 55056
Ion Ratio Lower Upper
95 100
97 67.8 44.5 82.7
132 102.9 66.8 124.0
130 109.3 71.9 133.5





#35

Methylcyclohexane

Concen: 8.795 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU052900.D

Acq: 01 Feb 2023 13:11

Instrument :

MSVOA_U

ClientSampleId :

A44N1

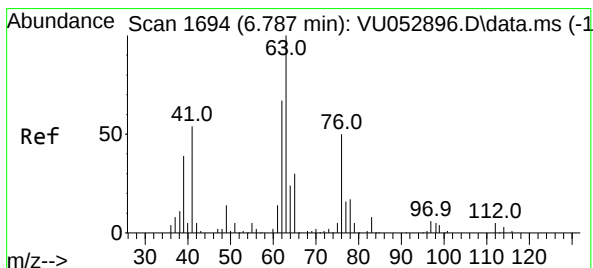
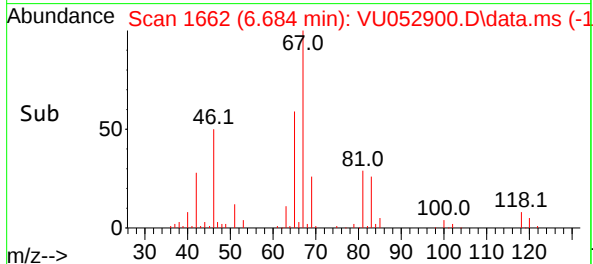
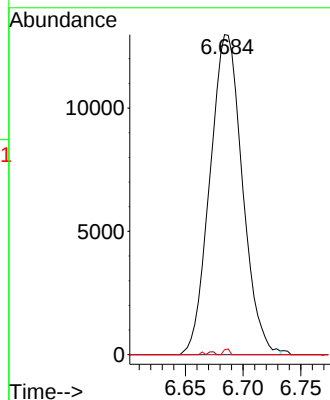
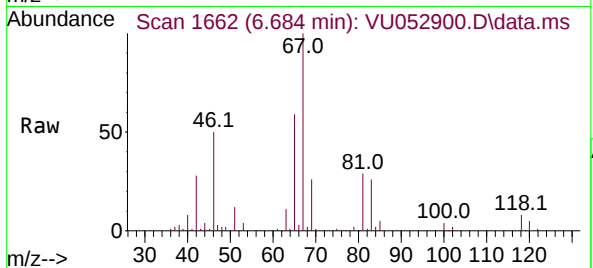
Tgt Ion: 83 Resp: 25381

Ion Ratio Lower Upper

83 100

55 0.2 57.1 85.7#

98 0.3 38.9 58.3#



#37

1,2-Dichloropropane

Concen: 6.237 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.100 min

Lab File: VU052900.D

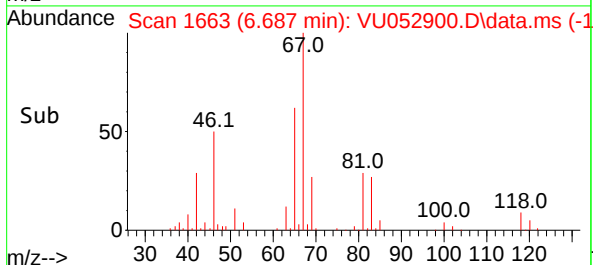
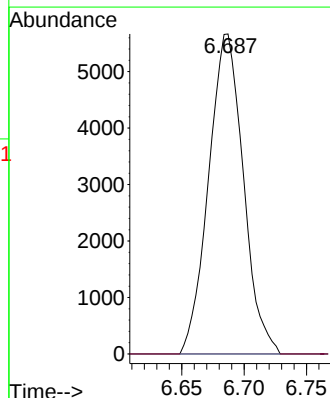
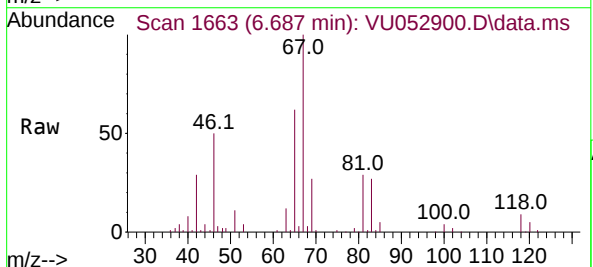
Acq: 01 Feb 2023 13:11

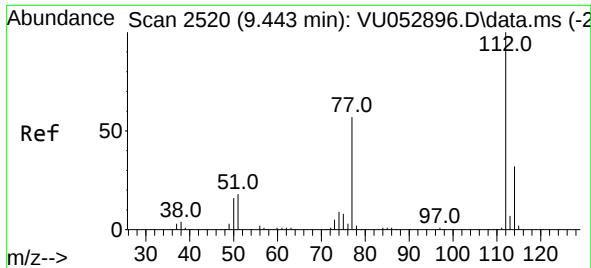
Tgt Ion: 63 Resp: 11000

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#

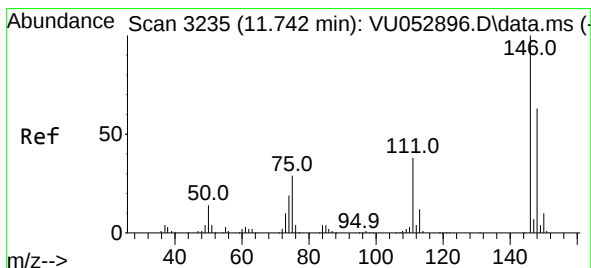
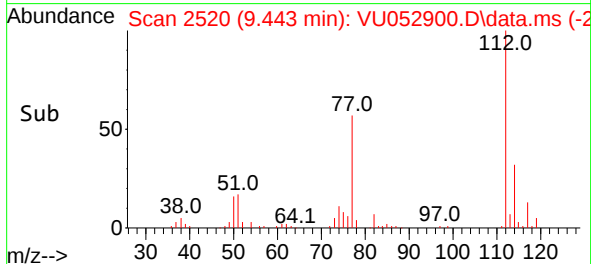
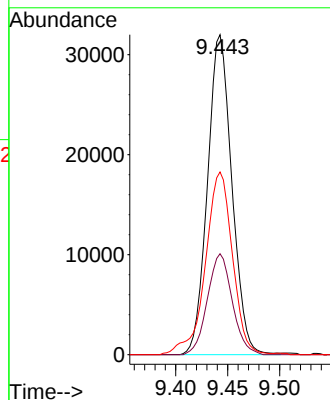
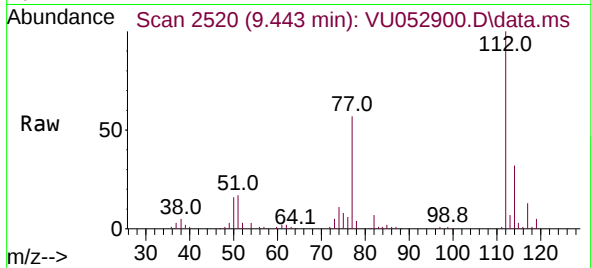




#51
Chlorobenzene
Concen: 10.325 ug/L
RT: 9.443 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052900.D
Acq: 01 Feb 2023 13:11

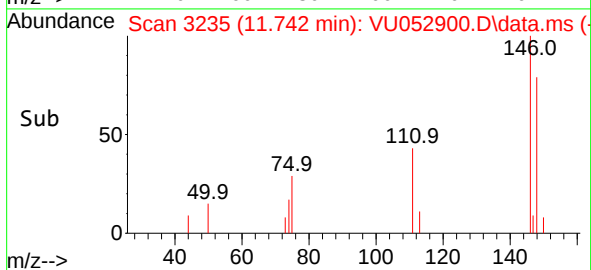
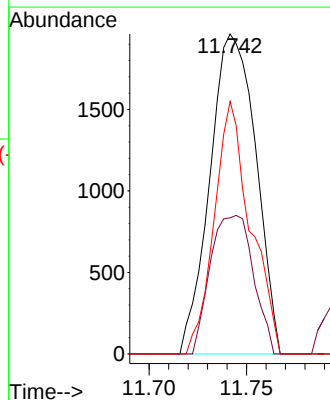
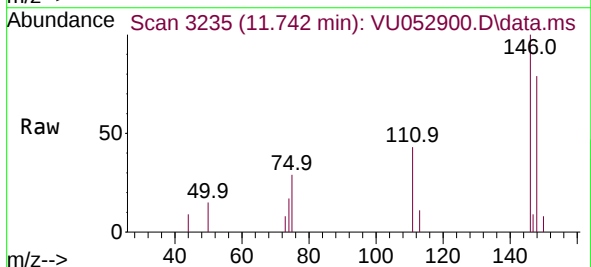
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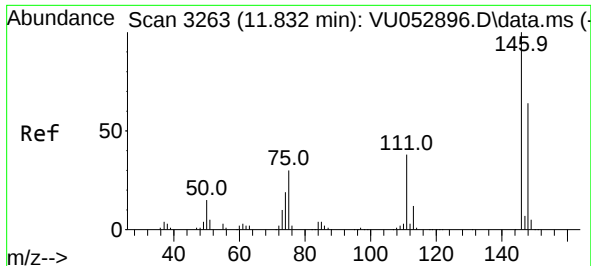
Tgt Ion:112 Resp: 52224
Ion Ratio Lower Upper
112 100
114 31.5 22.8 42.4
77 57.1 45.9 68.9



#64
1,3-Dichlorobenzene
Concen: 1.017 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU052900.D
Acq: 01 Feb 2023 13:11

Tgt Ion:146 Resp: 3219
Ion Ratio Lower Upper
146 100
111 39.1 27.8 51.6
148 72.6 45.5 84.5

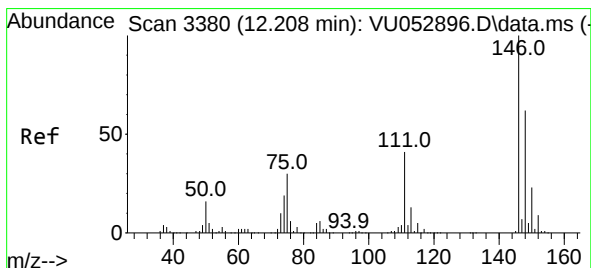
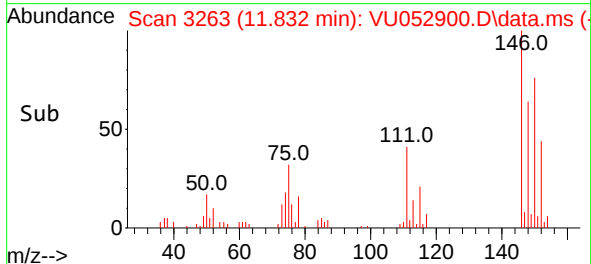
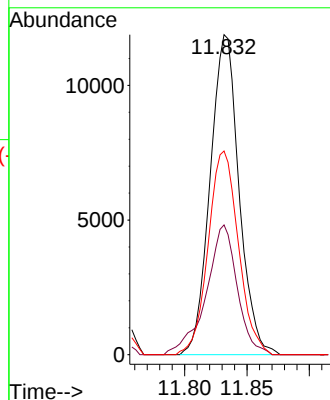
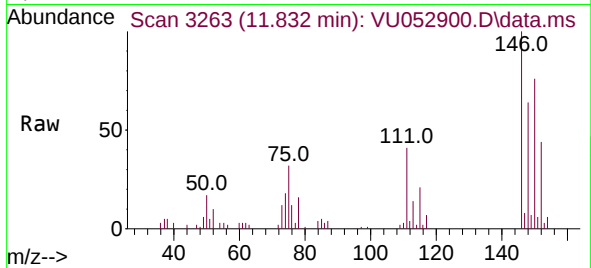




#65
 1,4-Dichlorobenzene
 Concen: 5.854 ug/L
 RT: 11.832 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU052900.D
 Acq: 01 Feb 2023 13:11

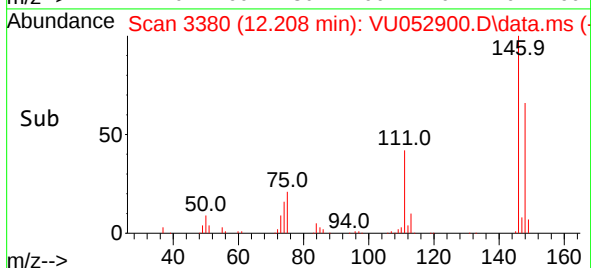
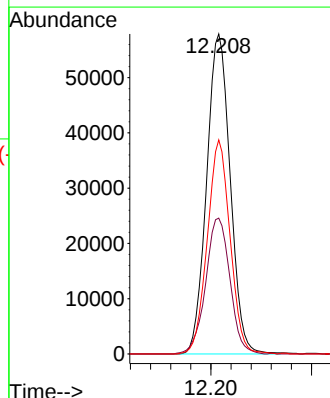
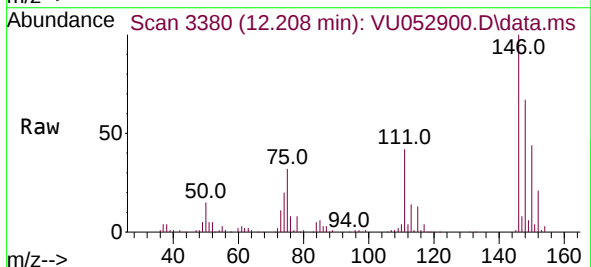
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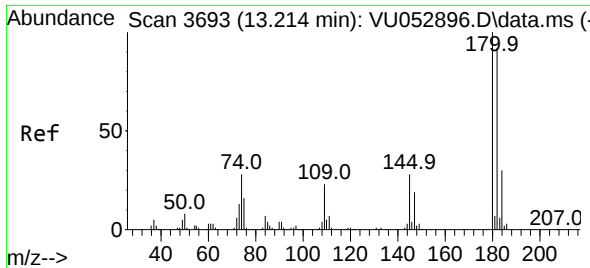
Tgt Ion:146	Resp:	19184
Ion Ratio	Lower	Upper
146	100	
111	40.5	26.7 49.7
148	63.6	45.6 84.6



#67
 1,2-Dichlorobenzene
 Concen: 29.403 ug/L
 RT: 12.208 min Scan# 3380
 Delta R.T. -0.000 min
 Lab File: VU052900.D
 Acq: 01 Feb 2023 13:11

Tgt Ion:146	Resp:	94139
Ion Ratio	Lower	Upper
146	100	
111	42.5	33.2 49.8
148	66.9	50.2 75.4

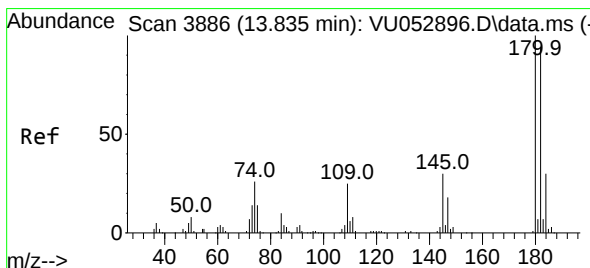
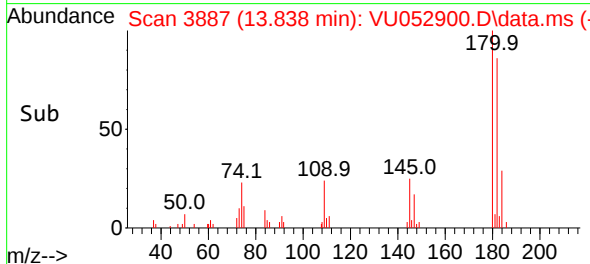
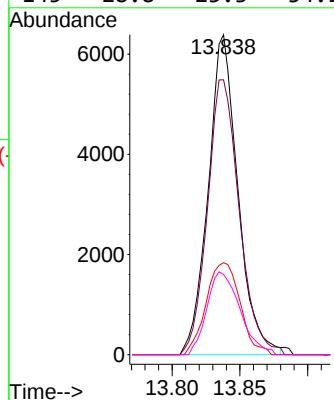
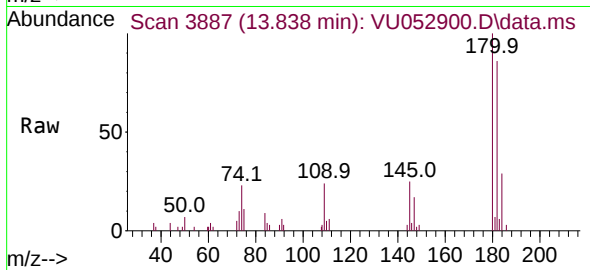




#69
 1,3,5-Trichlorobenzene
 Concen: 4.154 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.624 min
 Lab File: VU052900.D
 Acq: 01 Feb 2023 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion:180	Resp:	9734
Ion Ratio	Lower	Upper
180	100	
182	91.5	77.0 115.6
184	32.8	24.4 36.6
145	28.8	23.3 34.9



#70
 1,2,4-trichlorobenzene
 Concen: 4.955 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU052900.D
 Acq: 01 Feb 2023 13:11

Tgt Ion:180	Resp:	9734
Ion Ratio	Lower	Upper
180	100	
182	91.5	78.2 117.2
145	28.8	23.4 35.2

