

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020823\
 Data File : VU053006.D
 Acq On : 08 Feb 2023 17:59
 Operator : JC/MD
 Sample : 01412-02DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44L9DL

Quant Time: Feb 09 01:49:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 09 01:09:47 2023
 Response via : Initial Calibration

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

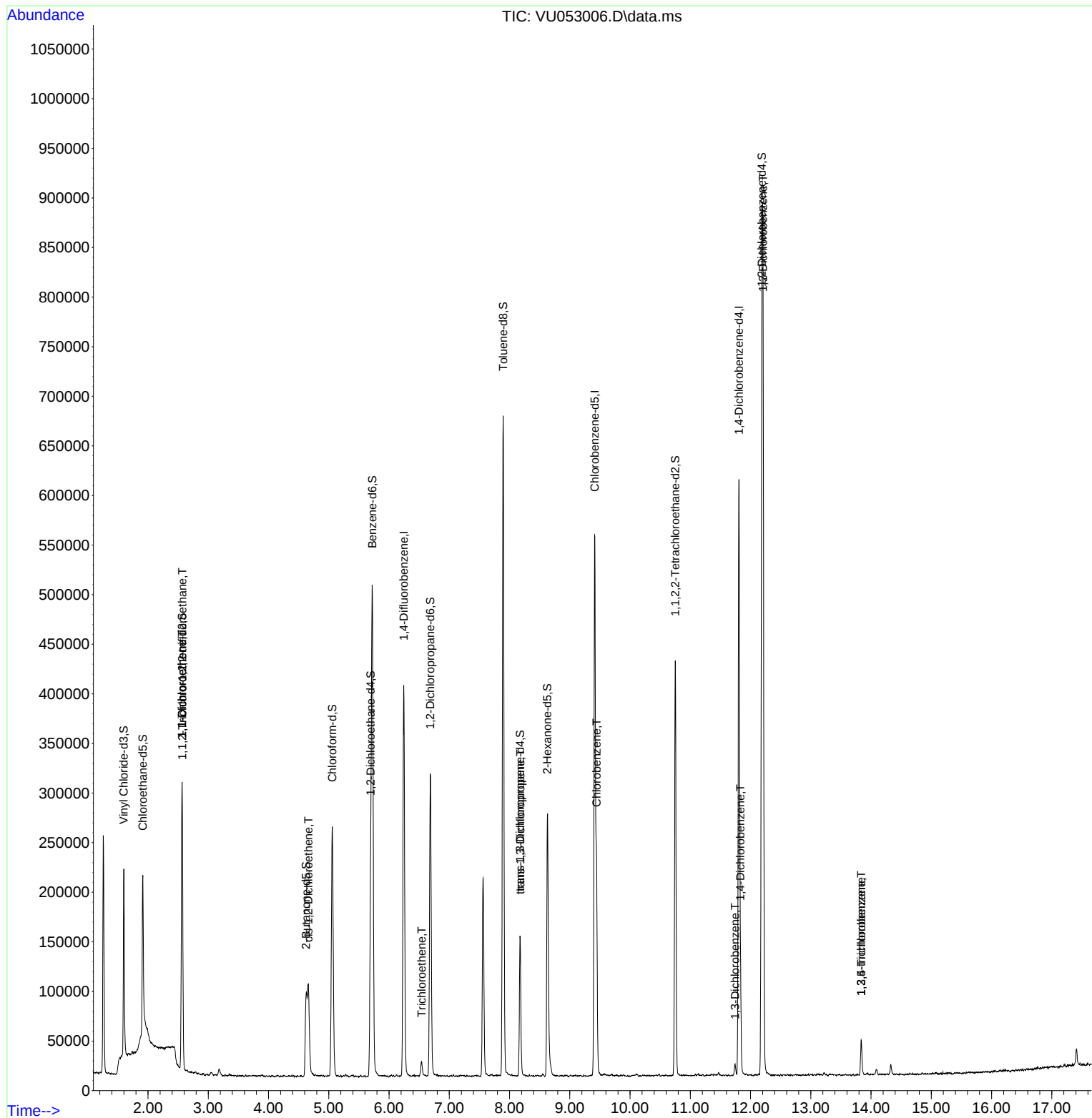
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	341534	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	315900	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	165204	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	136019	42.867	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.740%		
7) Chloroethane-d5	1.913	69	119055	46.384	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.760%		
11) 1,1-Dichloroethene-d2	2.566	63	163584	33.643	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.280%		
21) 2-Butanone-d5	4.624	46	114476	93.019	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.020%		
24) Chloroform-d	5.058	84	232063	44.232	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.460%		
26) 1,2-Dichloroethane-d4	5.695	65	142361	45.399	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.800%		
32) Benzene-d6	5.724	84	489832	46.736	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.480%		
36) 1,2-Dichloropropane-d6	6.685	67	149946	46.369	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.740%		
41) Toluene-d8	7.894	98	468708	45.641	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.280%		
43) trans-1,3-Dichloroprop...	8.174	79	82451	46.523	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.040%		
47) 2-Hexanone-d5	8.627	63	98251	100.053	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	100.050%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	207823	46.424	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.840%		
66) 1,2-Dichlorobenzene-d4	12.186	152	177235	48.205	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.420%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.569	101	1890	0.804	ug/L #	21
12) 1,1-Dichloroethene	2.566	96	1607	0.717	ug/L #	1
20) cis-1,2-Dichloroethene	4.663	96	40771	15.080	ug/L #	92
34) Trichloroethene	6.540	95	4774	1.813	ug/L	95
44) trans-1,3-Dichloropropene	8.177	75	3812	0.932	ug/L #	74
51) Chlorobenzene	9.444	112	122477	17.347	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	4751	0.927	ug/L	95
65) 1,4-Dichlorobenzene	11.833	146	41051	7.965	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	287811	55.946	ug/L	99
69) 1,3,5-Trichlorobenzene	13.836	180	11182	2.816	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	11182	3.152	ug/L	97

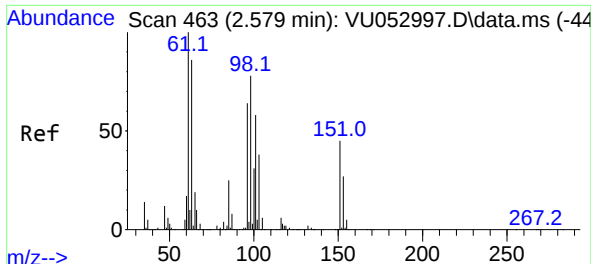
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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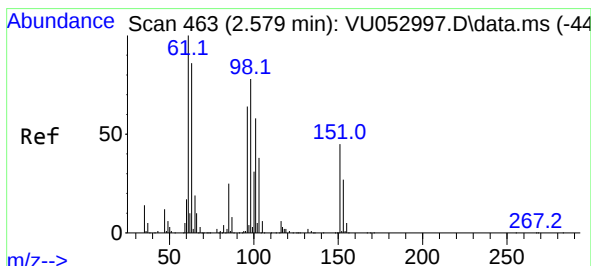
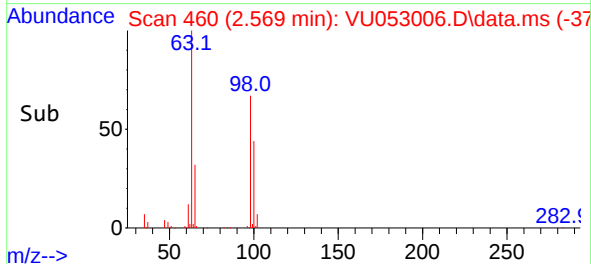
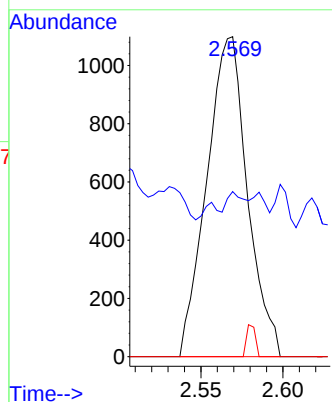
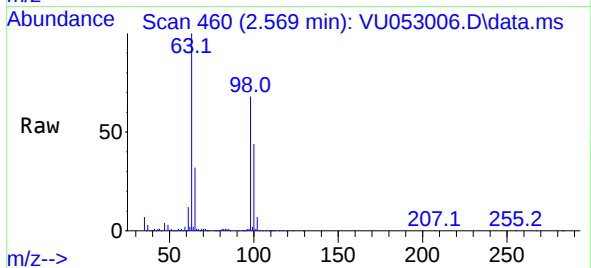




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.804 ug/L
RT: 2.569 min Scan# 410
Delta R.T. -0.010 min
Lab File: VU053006.D
Acq: 08 Feb 2023 17:59

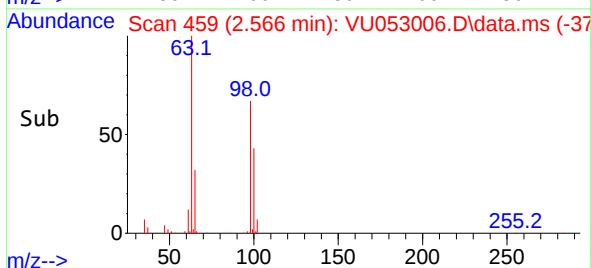
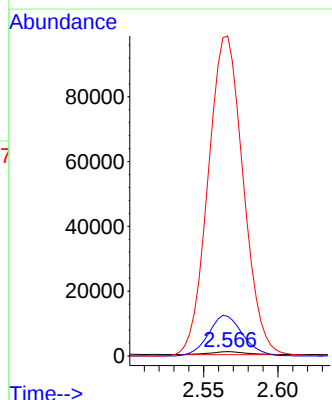
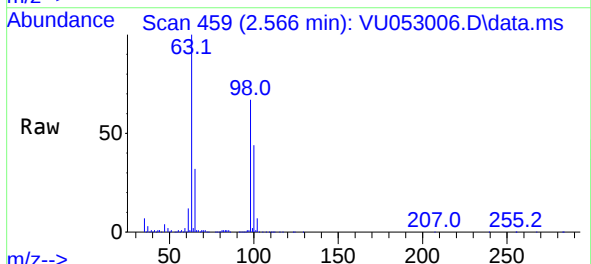
Instrument :
MSVOA_U
ClientSampleId :
A44L9DL

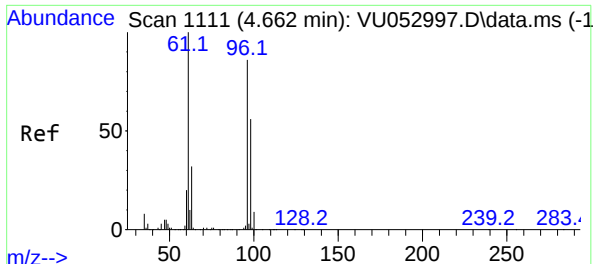
Tgt Ion:101 Resp: 1890
Ion Ratio Lower Upper
101 100
85 4.2 32.9 49.3#
151 0.0 62.6 94.0#



#12
1,1-Dichloroethene
Concen: 0.717 ug/L
RT: 2.566 min Scan# 459
Delta R.T. -0.013 min
Lab File: VU053006.D
Acq: 08 Feb 2023 17:59

Tgt Ion: 96 Resp: 1607
Ion Ratio Lower Upper
96 100
61 916.8 114.3 212.3#
63 7376.8 80.6 149.6#

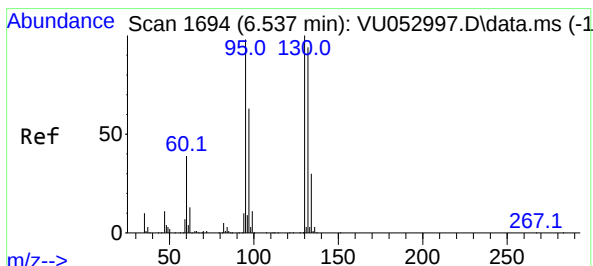
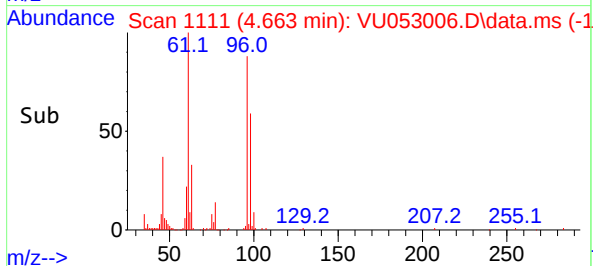
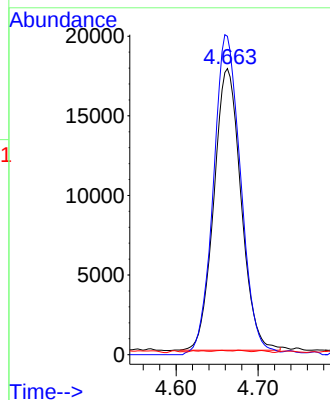
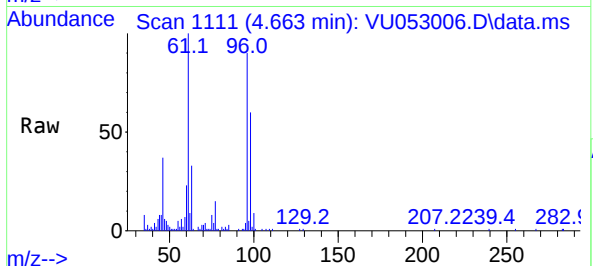




#20
cis-1,2-Dichloroethene
Concen: 15.080 ug/L
RT: 4.663 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VU053006.D
Acq: 08 Feb 2023 17:59

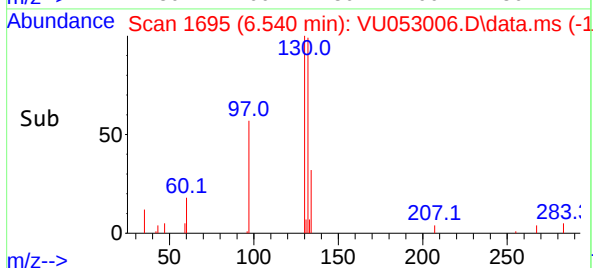
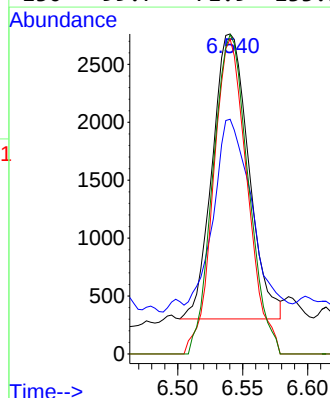
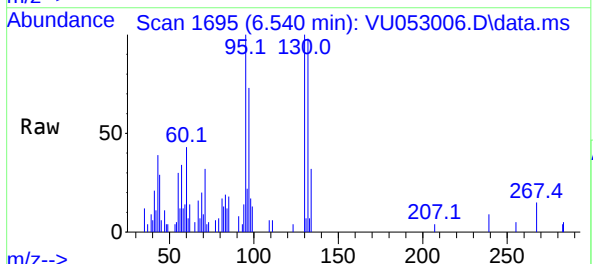
Instrument :
MSVOA_U
ClientSampleId :
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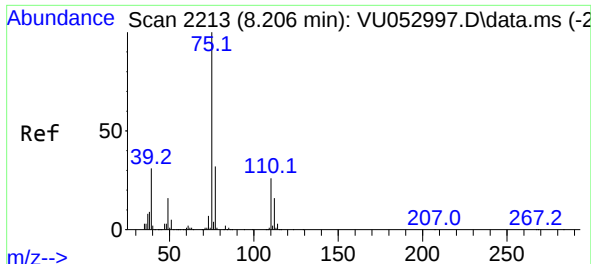
Tgt Ion: 96 Resp: 40771
Ion Ratio Lower Upper
96 100
61 111.3 84.1 156.1
68 1.4 0.0 0.0#



#34
Trichloroethene
Concen: 1.813 ug/L
RT: 6.540 min Scan# 1695
Delta R.T. 0.003 min
Lab File: VU053006.D
Acq: 08 Feb 2023 17:59

Tgt Ion: 95 Resp: 4774
Ion Ratio Lower Upper
95 100
97 73.4 44.5 82.7
132 98.4 66.8 124.0
130 99.7 71.9 133.5

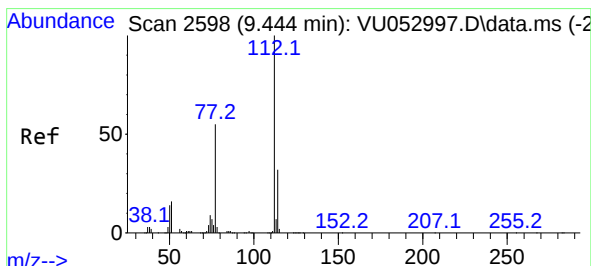
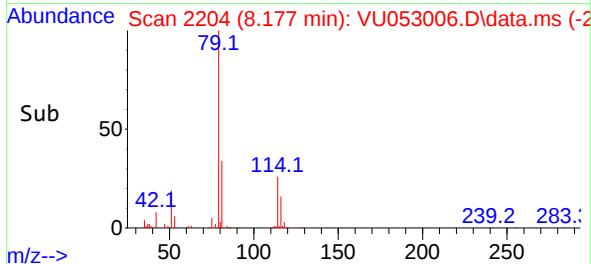
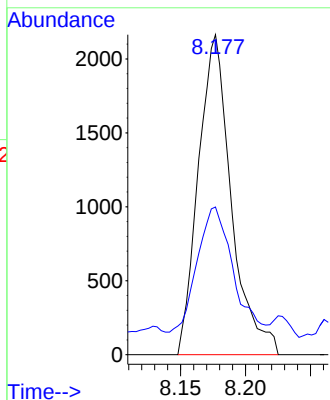
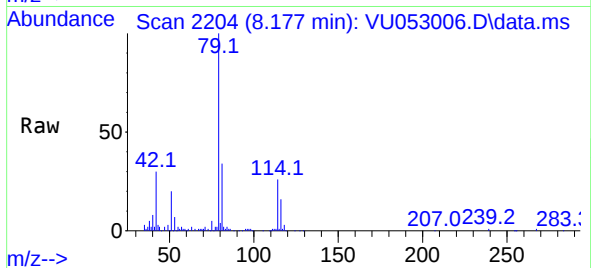




#44
trans-1,3-Dichloropropene
Concen: 0.932 ug/L
RT: 8.177 min Scan# 211
Delta R.T. -0.029 min
Lab File: VU053006.D
Acq: 08 Feb 2023 17:59

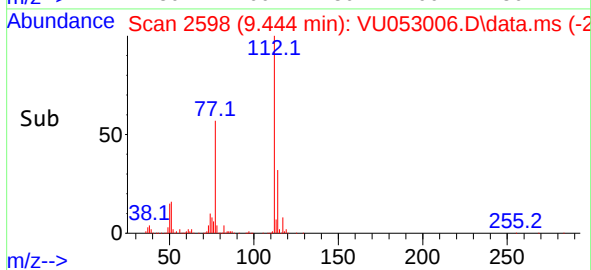
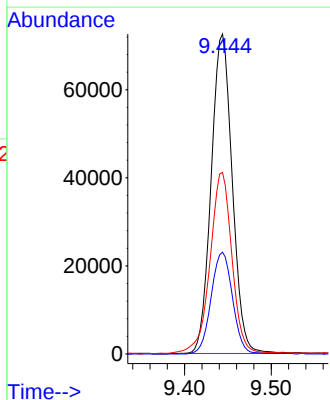
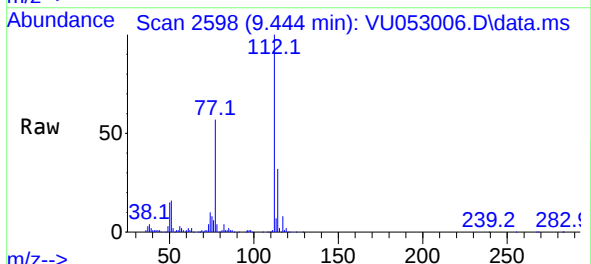
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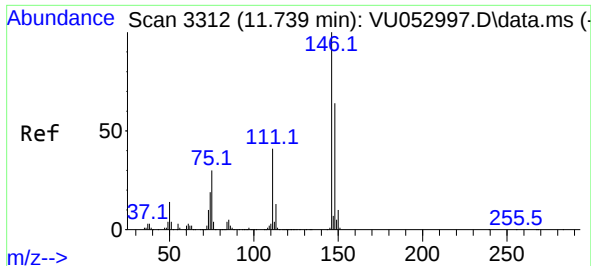
Tgt Ion: 75 Resp: 3812
Ion Ratio Lower Upper
75 100
77 46.2 22.3 41.3#



#51
Chlorobenzene
Concen: 17.347 ug/L
RT: 9.444 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU053006.D
Acq: 08 Feb 2023 17:59

Tgt Ion: 112 Resp: 122477
Ion Ratio Lower Upper
112 100
114 31.8 22.8 42.4
77 56.8 45.9 68.9

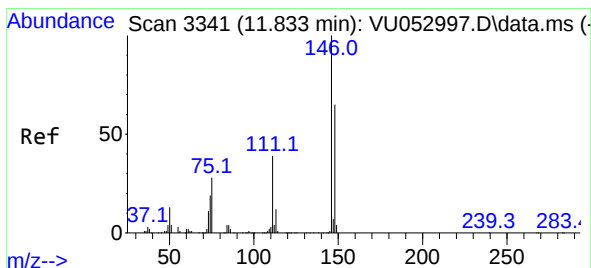
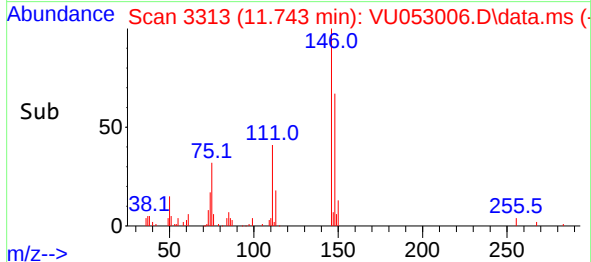
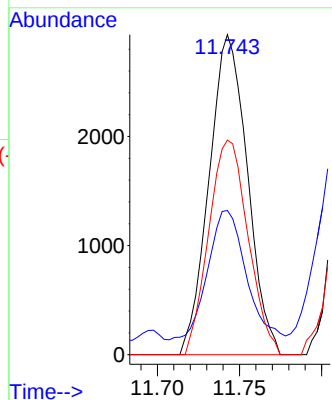
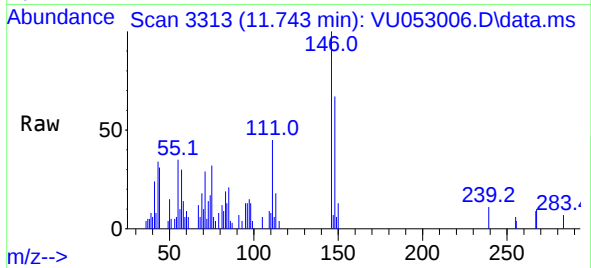




#64
1,3-Dichlorobenzene
Concen: 0.927 ug/L
RT: 11.743 min Scan# 3312
Delta R.T. 0.003 min
Lab File: VU053006.D
Acq: 08 Feb 2023 17:59

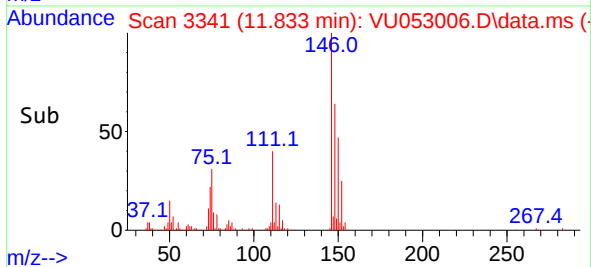
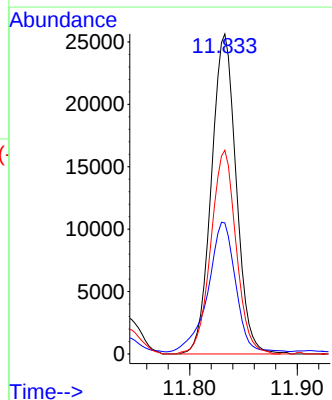
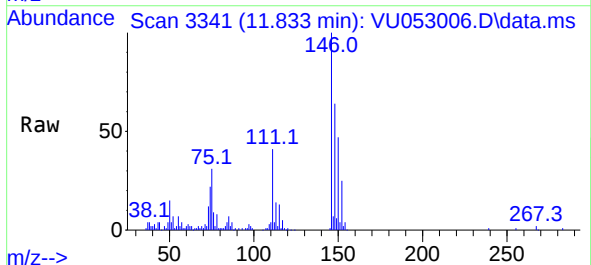
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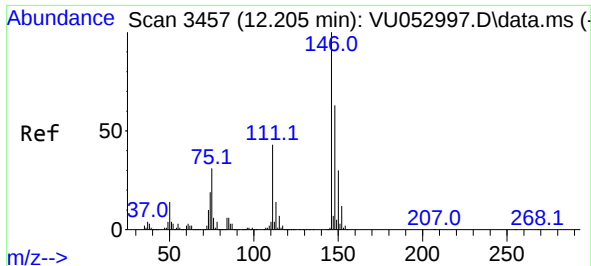
Tgt Ion:	146	Resp:	4751
Ion	Ratio	Lower	Upper
146	100		
111	45.1	27.8	51.6
148	67.0	45.5	84.5



#65
1,4-Dichlorobenzene
Concen: 7.965 ug/L
RT: 11.833 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VU053006.D
Acq: 08 Feb 2023 17:59

Tgt Ion:	146	Resp:	41051
Ion	Ratio	Lower	Upper
146	100		
111	40.9	26.7	49.7
148	63.7	45.6	84.6

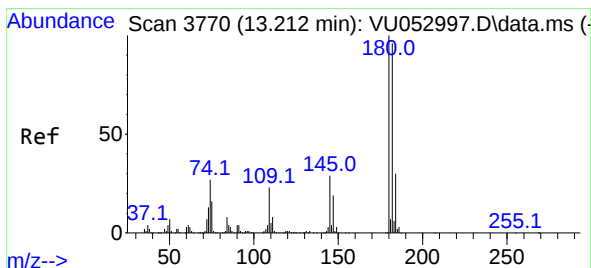
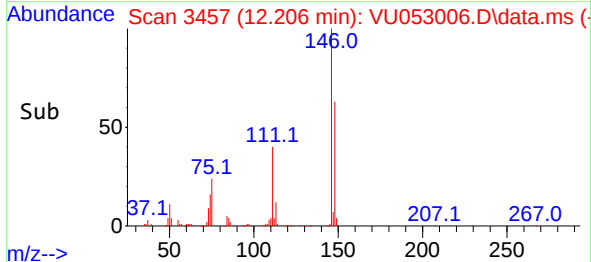
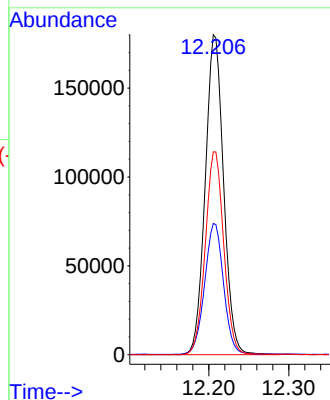
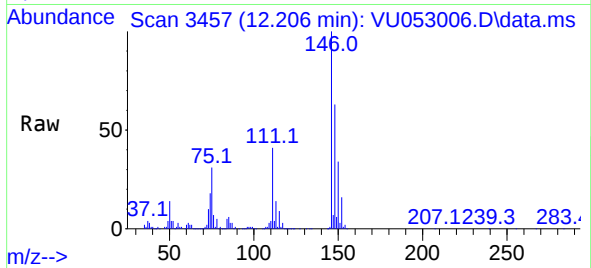




#67
1,2-Dichlorobenzene
Concen: 55.946 ug/L
RT: 12.206 min Scan# 3457
Delta R.T. 0.000 min
Lab File: VU053006.D
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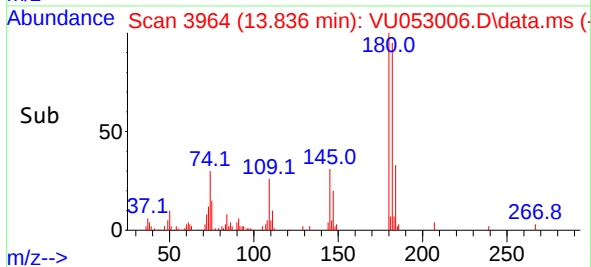
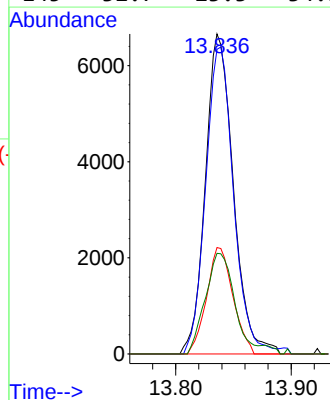
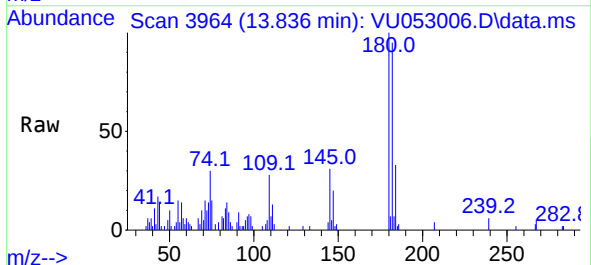
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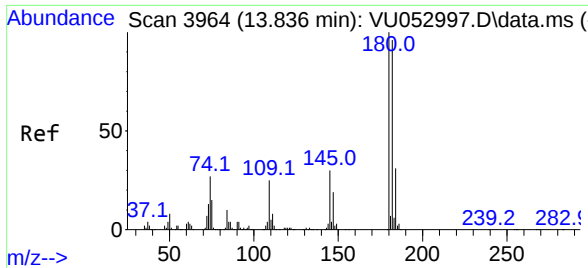
Tgt Ion:146 Resp: 287811
Ion Ratio Lower Upper
146 100
111 41.0 33.2 49.8
148 63.4 50.2 75.4



#69
1,3,5-Trichlorobenzene
Concen: 2.816 ug/L
RT: 13.836 min Scan# 3964
Delta R.T. 0.624 min
Lab File: VU053006.D
Acq: 08 Feb 2023 17:59

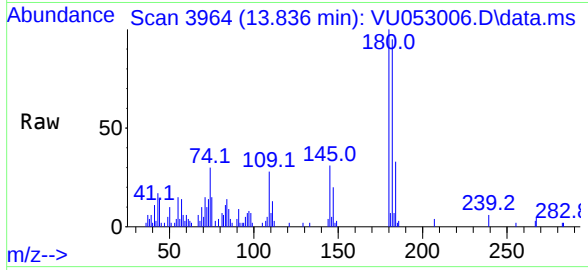
Tgt Ion:180 Resp: 11182
Ion Ratio Lower Upper
180 100
182 95.8 77.0 115.6
184 31.3 24.4 36.6
145 32.7 23.3 34.9





#70
 1,2,4-trichlorobenzene
 Concen: 3.152 ug/L
 RT: 13.836 min Scan# 3964
 Delta R.T. 0.000 min
 Lab File: VU053006.D
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Instrument : MSVOA_U
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Tgt Ion:180 Resp: 11182

Ion	Ratio	Lower	Upper
180	100		
182	95.8	78.2	117.2
145	32.7	23.4	35.2

