

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020823\
 Data File : VU053007.D
 Acq On : 08 Feb 2023 18:23
 Operator : JC/MD
 Sample : 01412-04DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

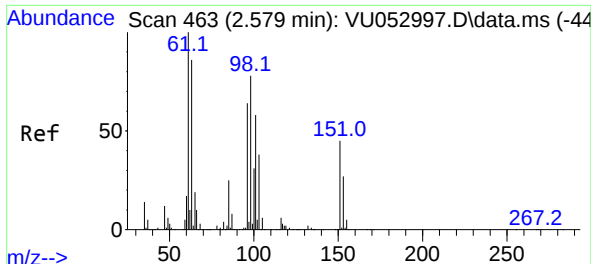
Instrument :
 MSVOA_U
 ClientSampleId :
 A44M4DL

Quant Time: Feb 09 01:49:39 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	328938	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	305064	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	156358	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	134935	44.154	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.300%		
7) Chloroethane-d5	1.913	69	118704	48.018	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.040%		
11) 1,1-Dichloroethene-d2	2.566	63	165512	35.343	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.680%		
21) 2-Butanone-d5	4.624	46	112312	94.755	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.760%		
24) Chloroform-d	5.058	84	232309	45.975	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.940%		
26) 1,2-Dichloroethane-d4	5.694	65	142386	47.146	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.300%		
32) Benzene-d6	5.723	84	485897	48.007	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.020%		
36) 1,2-Dichloropropane-d6	6.685	67	148329	47.499	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.000%		
41) Toluene-d8	7.894	98	467250	47.115	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.240%		
43) trans-1,3-Dichloroprop...	8.173	79	81461	47.597	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.200%		
47) 2-Hexanone-d5	8.630	63	98292	103.650	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	103.650%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	207343	47.962	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.920%		
66) 1,2-Dichlorobenzene-d4	12.186	152	176054	50.593	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.180%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.566	96	1714	0.794	ug/L #	1
20) cis-1,2-Dichloroethene	4.662	96	37700	14.478	ug/L #	91
34) Trichloroethene	6.540	95	4413	1.735	ug/L	91
44) trans-1,3-Dichloropropene	8.173	75	3648	0.923	ug/L #	70
51) Chlorobenzene	9.443	112	113169	16.598	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	4513	0.931	ug/L #	89
65) 1,4-Dichlorobenzene	11.829	146	38740	7.942	ug/L	97
67) 1,2-Dichlorobenzene	12.205	146	264509	54.325	ug/L	99
69) 1,3,5-Trichlorobenzene	13.839	180	10142	2.699	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	10142	3.021	ug/L	97

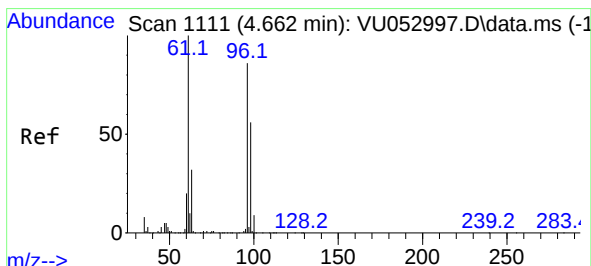
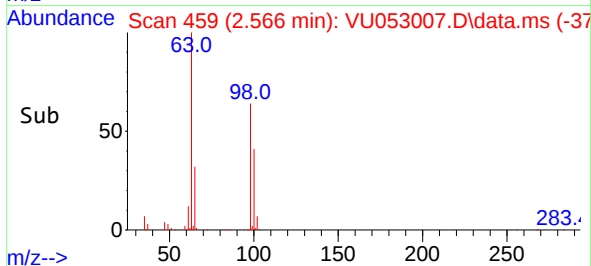
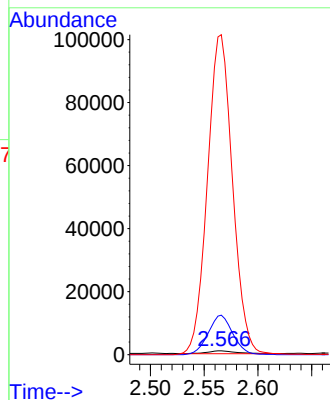
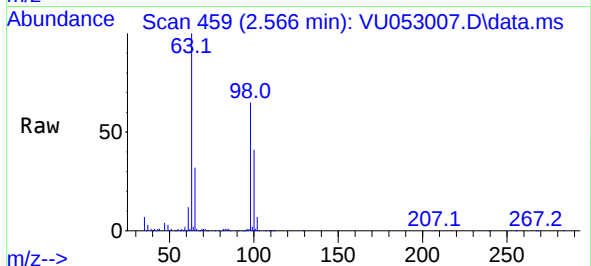
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#12
1,1-Dichloroethene
Concen: 0.794 ug/L
RT: 2.566 min Scan# 41
Delta R.T. -0.013 min
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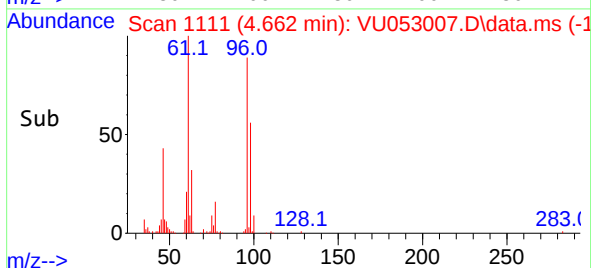
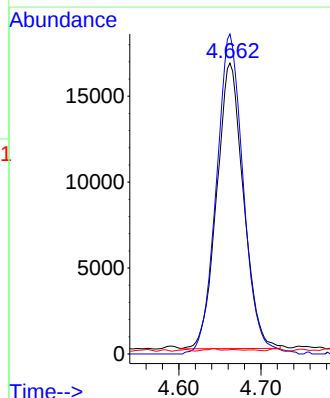
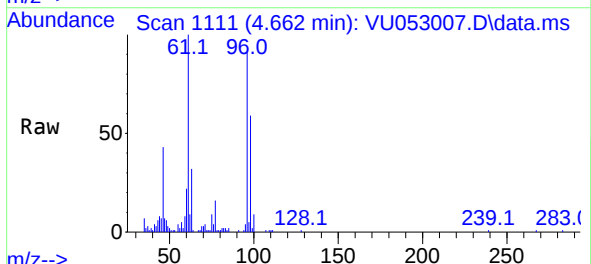
Instrument :
MSVOA_U
ClientSampleId :
A44M4DL

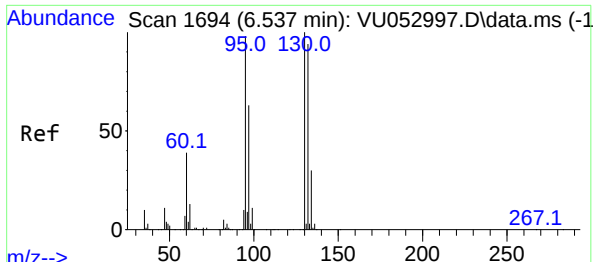
Tgt Ion: 96 Resp: 1714
Ion Ratio Lower Upper
96 100
61 1007.4 114.3 212.3#
63 8150.2 80.6 149.6#



#20
cis-1,2-Dichloroethene
Concen: 14.478 ug/L
RT: 4.662 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VU053007.D
Acq: 08 Feb 2023 18:23

Tgt Ion: 96 Resp: 37700
Ion Ratio Lower Upper
96 100
61 110.0 84.1 156.1
68 1.5 0.0 0.0#



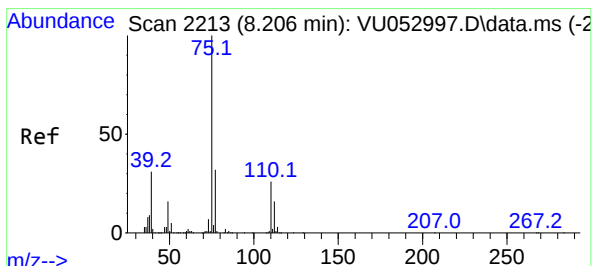
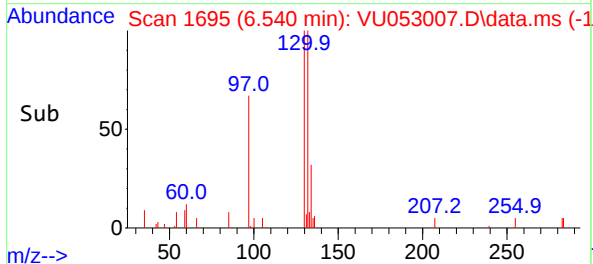
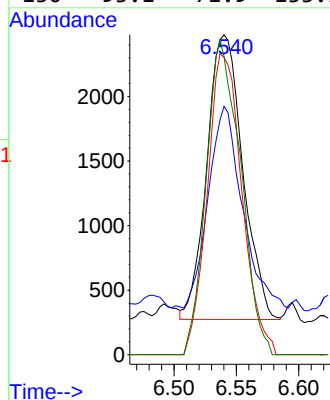
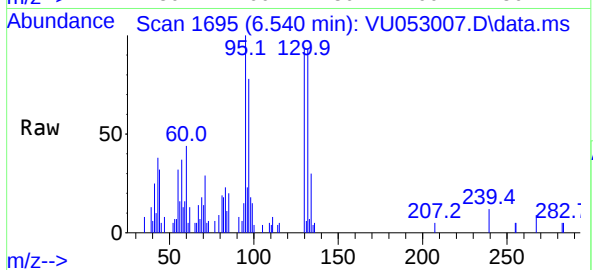


#34
Trichloroethene
Concen: 1.735 ug/L
RT: 6.540 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU053007.D
Acq: 08 Feb 2023 18:23

Instrument :
MSVOA_U
ClientSampleId :
A44M4DL

Tgt Ion: 95 Resp: 4413

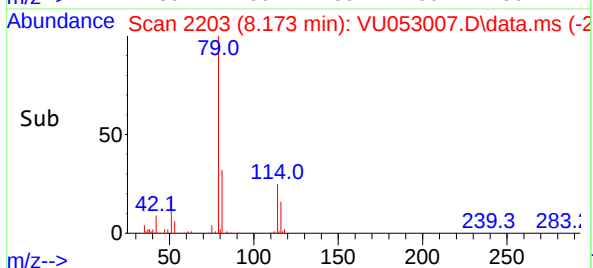
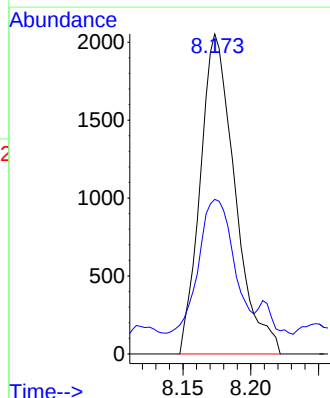
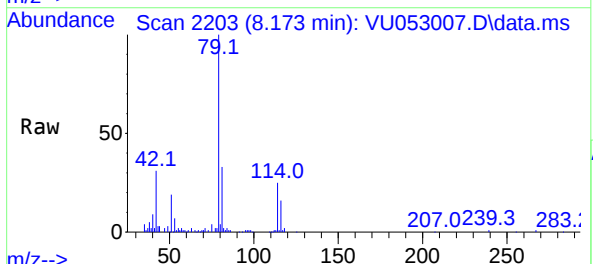
Ion	Ratio	Lower	Upper
95	100		
97	77.6	44.5	82.7
132	92.9	66.8	124.0
130	93.1	71.9	133.5

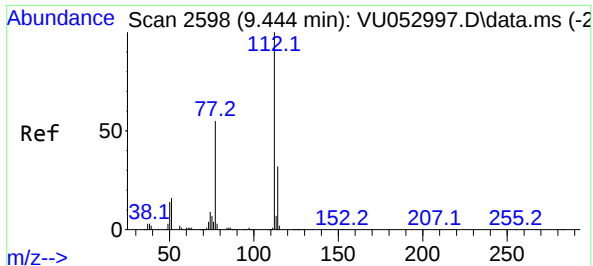


#44
trans-1,3-Dichloropropene
Concen: 0.923 ug/L
RT: 8.173 min Scan# 2203
Delta R.T. -0.032 min
Lab File: VU053007.D
Acq: 08 Feb 2023 18:23

Tgt Ion: 75 Resp: 3648

Ion	Ratio	Lower	Upper
75	100		
77	48.3	22.3	41.3#

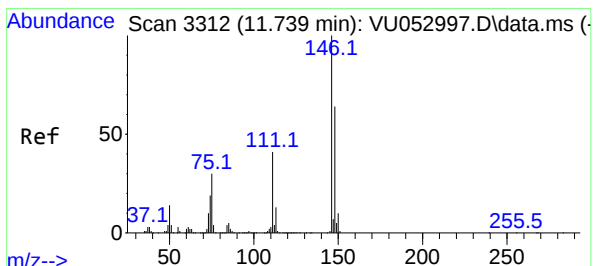
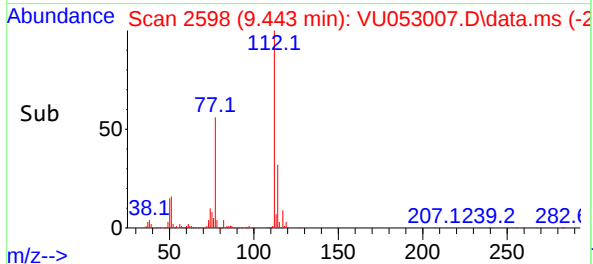
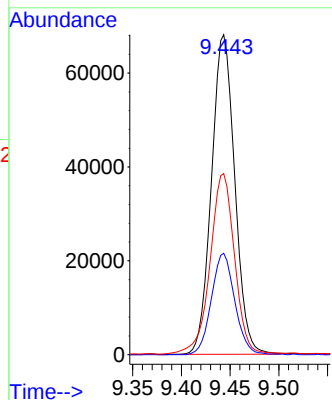
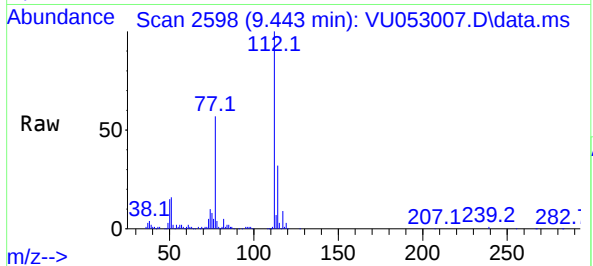




#51
Chlorobenzene
Concen: 16.598 ug/L
RT: 9.443 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053007.D
Acq: 08 Feb 2023 18:23

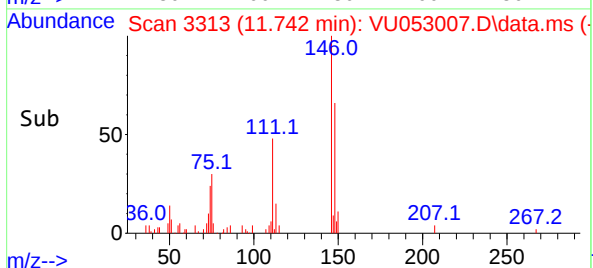
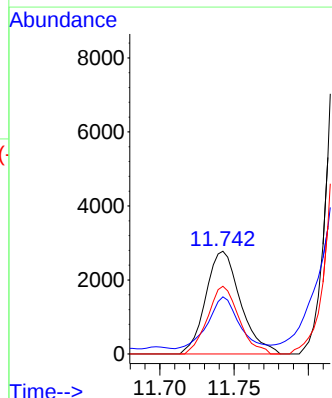
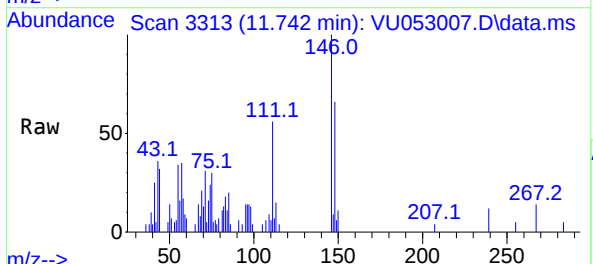
Instrument :
MSVOA_U
ClientSampleId :
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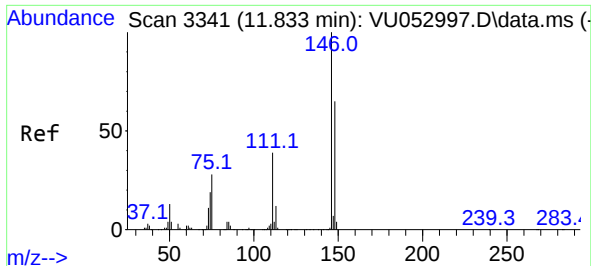
Tgt Ion:112 Resp: 113169
Ion Ratio Lower Upper
112 100
114 31.7 22.8 42.4
77 56.6 45.9 68.9



#64
1,3-Dichlorobenzene
Concen: 0.931 ug/L
RT: 11.742 min Scan# 3313
Delta R.T. 0.003 min
Lab File: VU053007.D
Acq: 08 Feb 2023 18:23

Tgt Ion:146 Resp: 4513
Ion Ratio Lower Upper
146 100
111 55.5 27.8 51.6#
148 66.0 45.5 84.5

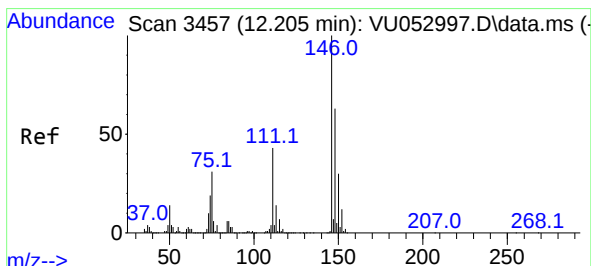
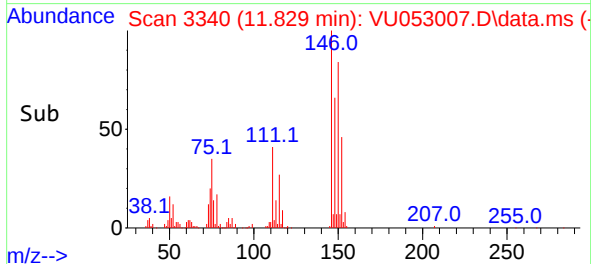
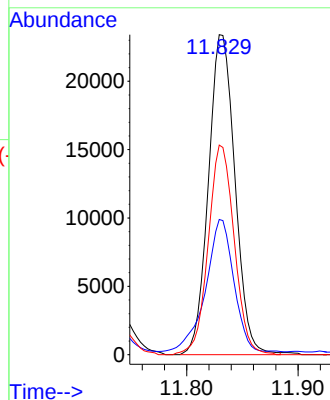
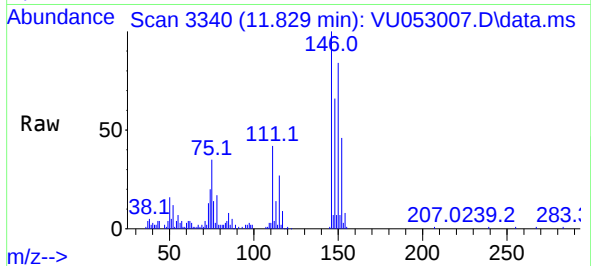




#65
1,4-Dichlorobenzene
Concen: 7.942 ug/L
RT: 11.829 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU053007.D
Acq: 08 Feb 2023 18:23

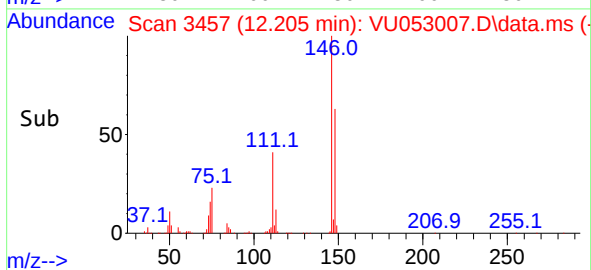
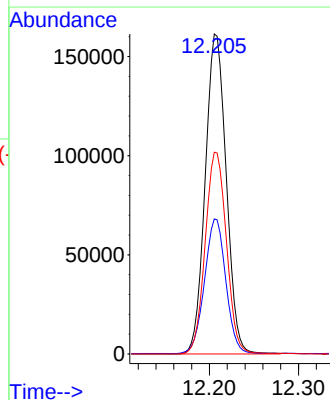
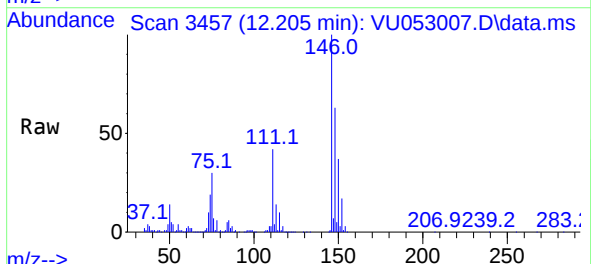
Instrument :
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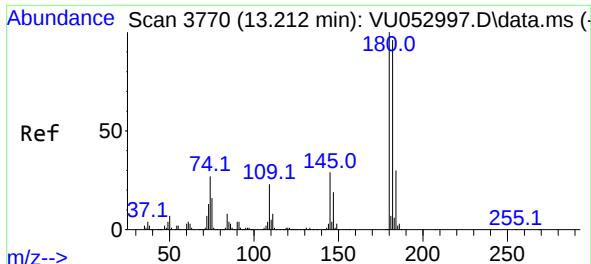
Tgt Ion:146 Resp: 38740
Ion Ratio Lower Upper
146 100
111 42.3 26.7 49.7
148 65.5 45.6 84.6



#67
1,2-Dichlorobenzene
Concen: 54.325 ug/L
RT: 12.205 min Scan# 3457
Delta R.T. -0.000 min
Lab File: VU053007.D
Acq: 08 Feb 2023 18:23

Tgt Ion:146 Resp: 264509
Ion Ratio Lower Upper
146 100
111 42.2 33.2 49.8
148 63.1 50.2 75.4

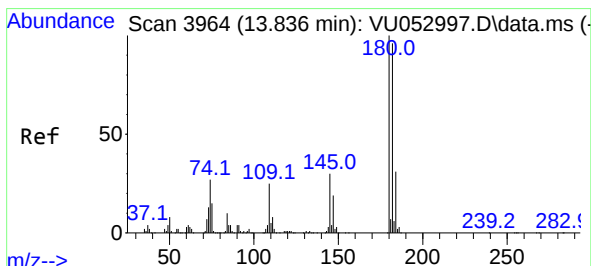
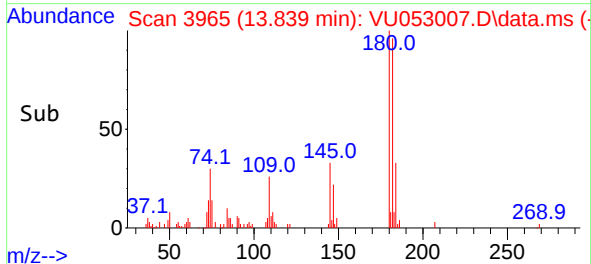
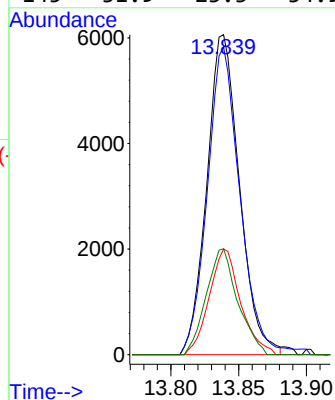
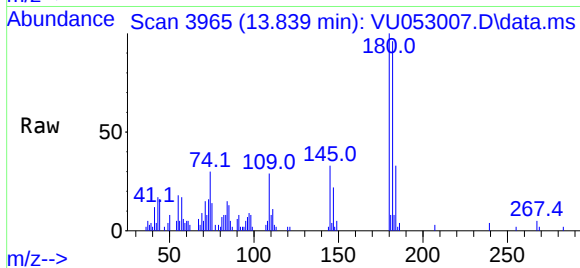




#69
1,3,5-Trichlorobenzene
Concen: 2.699 ug/L
RT: 13.839 min Scan# 3965
Delta R.T. 0.627 min
Lab File: VU053007.D
Acq: 08 Feb 2023 18:23

Instrument :
MSVOA_U
ClientSampleId :
A44M4DL

Tgt Ion:	180	Resp:	10142
Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.0	115.6
184	31.7	24.4	36.6
145	31.9	23.3	34.9



#70
1,2,4-trichlorobenzene
Concen: 3.021 ug/L
RT: 13.839 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU053007.D
Acq: 08 Feb 2023 18:23

Tgt Ion:	180	Resp:	10142
Ion	Ratio	Lower	Upper
180	100		
182	95.9	78.2	117.2
145	31.9	23.4	35.2

