

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040523\
 Data File : VU053581.D
 Acq On : 05 Apr 2023 13:37
 Operator : JC/MD
 Sample : 02158-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

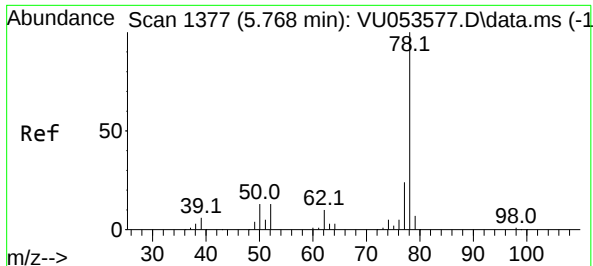
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-6(20230329)

Quant Time: Apr 06 03:37:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	281959	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	269978	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	149697	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	65864	29.999	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	60.000%	
7) Chloroethane-d5	1.912	69	63584	37.562	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	75.120%	
11) 1,1-Dichloroethene-d2	2.565	63	85041	25.023	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	50.040%#	
21) 2-Butanone-d5	4.613	46	109261	109.917	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	109.920%	
24) Chloroform-d	5.060	84	150971	41.579	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	83.160%	
26) 1,2-Dichloroethane-d4	5.697	65	99923	46.572	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	93.140%	
32) Benzene-d6	5.722	84	293183	40.231	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	80.460%	
36) 1,2-Dichloropropane-d6	6.687	67	99547	44.691	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	89.380%	
41) Toluene-d8	7.896	98	270828	37.391	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	74.780%#	
43) trans-1,3-Dichloroprop...	8.176	79	48320	42.025	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	84.060%	
47) 2-Hexanone-d5	8.629	63	80374	105.728	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	105.730%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	152027	48.425	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	96.840%	
66) 1,2-Dichlorobenzene-d4	12.188	152	123178	39.421	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	78.840%#	
Target Compounds						
					Qvalue	
33) Benzene	5.774	78	14871	2.114	ug/L	100
51) Chlorobenzene	9.443	112	956553	174.163	ug/L	96
64) 1,3-Dichlorobenzene	11.741	146	233817	50.559	ug/L	96
65) 1,4-Dichlorobenzene	11.831	146	567246	120.348	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	66450	14.417	ug/L	96
70) 1,2,4-trichlorobenzene	13.838	180	244658	77.055	ug/L	97
72) 1,2,3-Trichlorobenzene	14.327	180	10748	3.389	ug/L	98

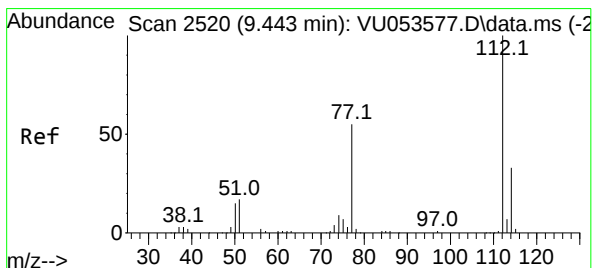
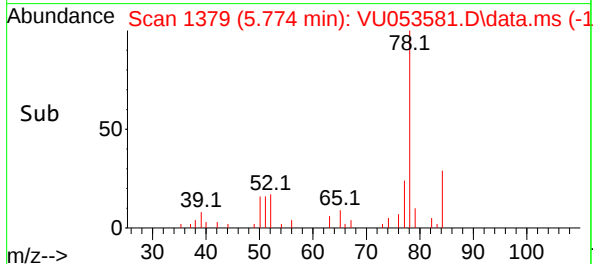
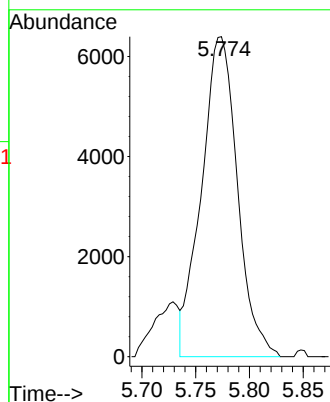
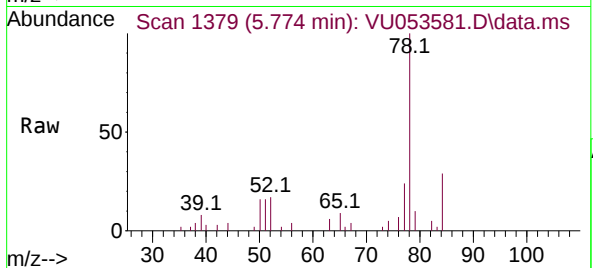
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#33
Benzene
Concen: 2.114 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU053581.D
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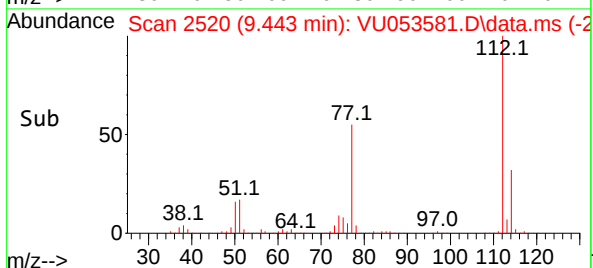
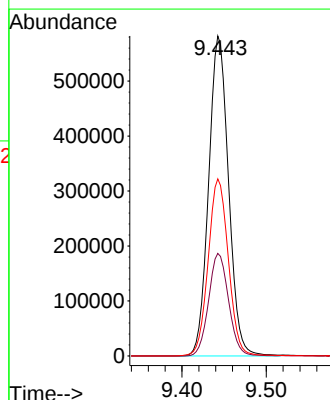
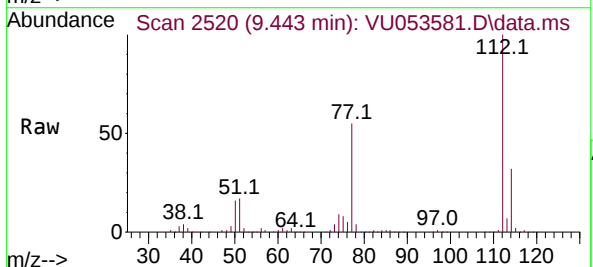
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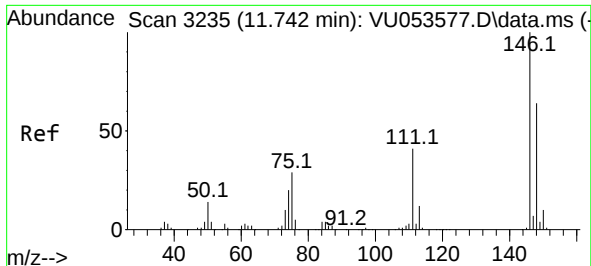
Tgt Ion: 78 Resp: 14871



#51
Chlorobenzene
Concen: 174.163 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053581.D
Acq: 05 Apr 2023 13:37

Tgt Ion: 112 Resp: 956553
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 55.3 41.3 61.9

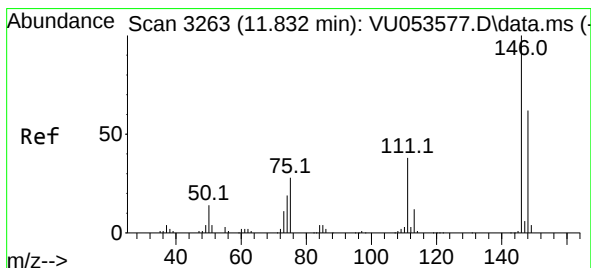
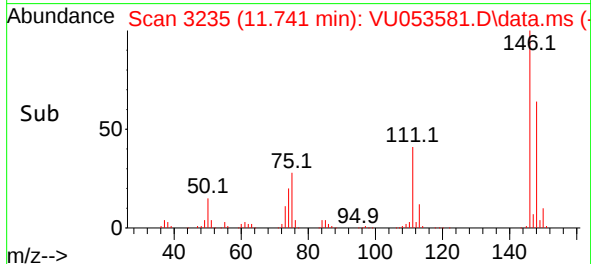
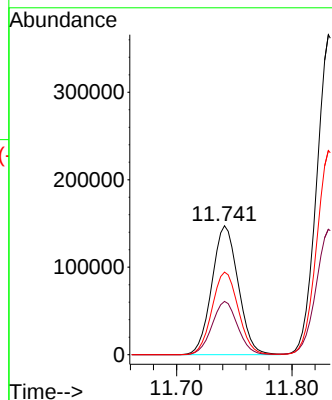
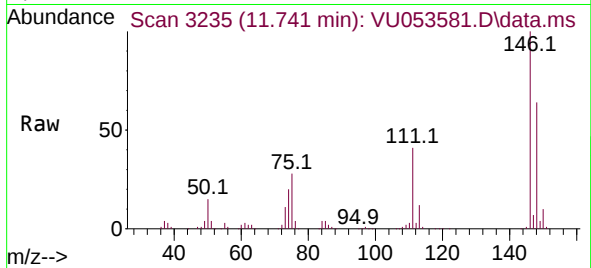




#64
1,3-Dichlorobenzene
Concen: 50.559 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053581.D
Acq: 05 Apr 2023 13:37

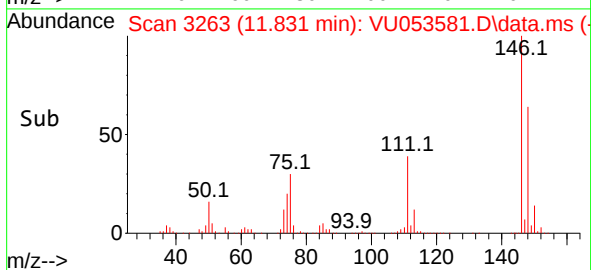
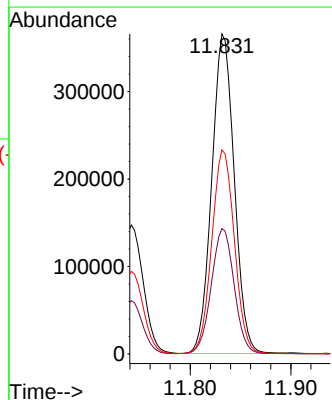
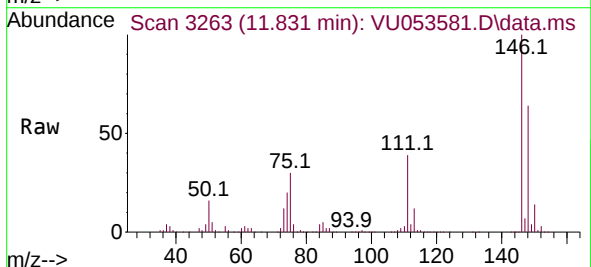
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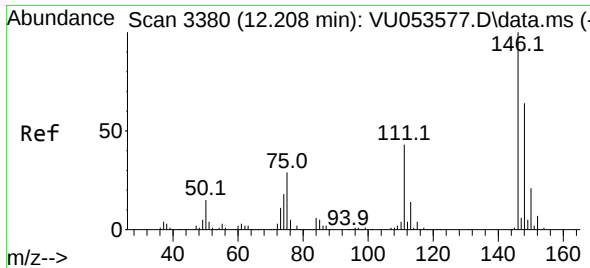
Tgt Ion:146 Resp: 233817
Ion Ratio Lower Upper
146 100
111 41.3 25.7 47.7
148 64.1 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 120.348 ug/L
RT: 11.831 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053581.D
Acq: 05 Apr 2023 13:37

Tgt Ion:146 Resp: 567246
Ion Ratio Lower Upper
146 100
111 39.2 25.1 46.5
148 63.8 44.3 82.3

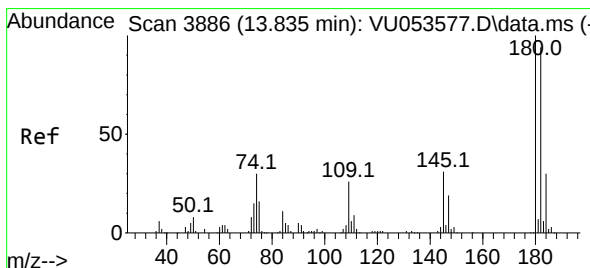
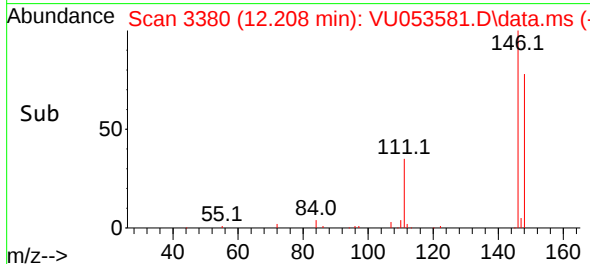
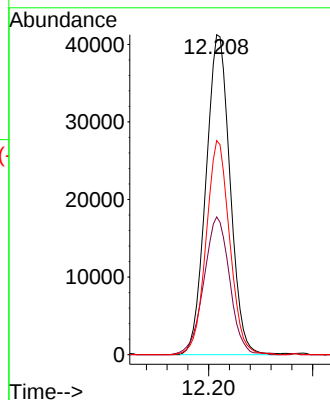
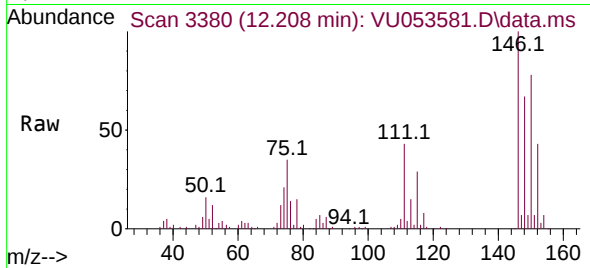




#67
 1,2-Dichlorobenzene
 Concen: 14.417 ug/L
 RT: 12.208 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VU053581.D
 Acq: 05 Apr 2023 13:37

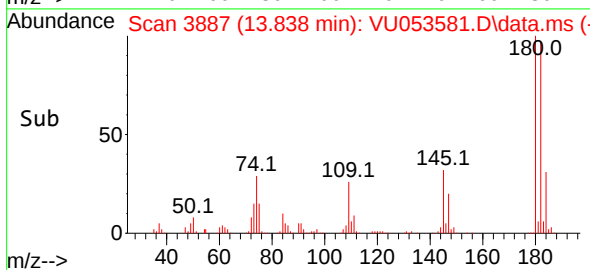
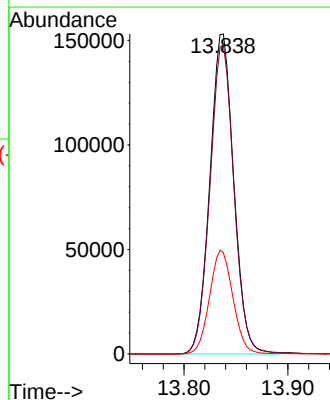
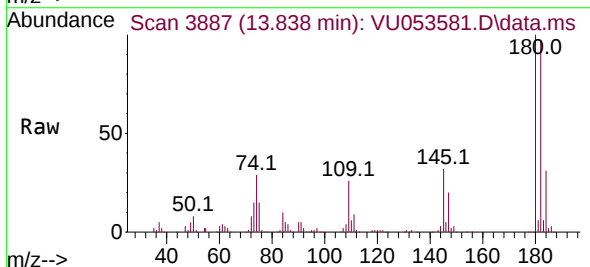
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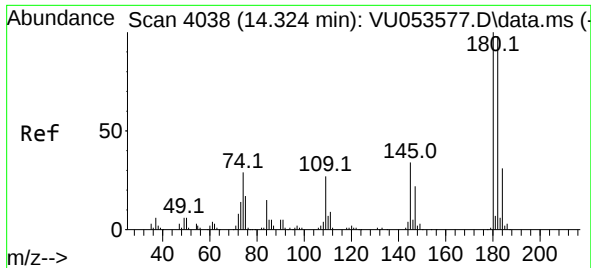
Tgt Ion:146 Resp: 66450
 Ion Ratio Lower Upper
 146 100
 111 43.1 31.5 47.3
 148 66.9 51.6 77.4



#70
 1,2,4-trichlorobenzene
 Concen: 77.055 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU053581.D
 Acq: 05 Apr 2023 13:37

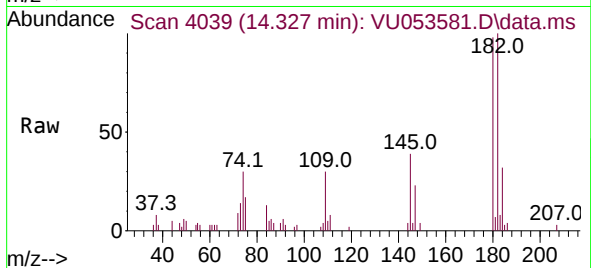
Tgt Ion:180 Resp: 244658
 Ion Ratio Lower Upper
 180 100
 182 96.8 75.8 113.8
 145 31.8 23.4 35.2





#72
 1,2,3-Trichlorobenzene
 Concen: 3.389 ug/L
 RT: 14.327 min Scan# 4039
 Delta R.T. 0.003 min
 Lab File: VU053581.D
 Acq: 05 Apr 2023 13:37

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-6(20230329)



Tgt Ion:	180	Resp:	10748
Ion	Ratio	Lower	Upper
180	100		
182	97.3	77.0	115.6
145	35.0	25.4	38.0

