

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040523\
 Data File : VU053580.D
 Acq On : 05 Apr 2023 13:10
 Operator : JC/MD
 Sample : 02158-06DL 200X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-5(20230329)DL

Quant Time: Apr 06 03:37:03 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	264921	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	247691	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	131518	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	66337	32.158	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.320%
7) Chloroethane-d5	1.909	69	61413	38.612	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.220%
11) 1,1-Dichloroethene-d2	2.565	63	86442	27.071	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.140%#
21) 2-Butanone-d5	4.613	46	96808	103.653	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.650%
24) Chloroform-d	5.057	84	139891	41.005	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.000%
26) 1,2-Dichloroethane-d4	5.697	65	90270	44.779	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.560%
32) Benzene-d6	5.723	84	278847	41.707	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.420%
36) 1,2-Dichloropropane-d6	6.687	67	92165	45.100	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.200%
41) Toluene-d8	7.896	98	251476	37.844	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.680%#
43) trans-1,3-Dichloroprop...	8.176	79	43704	41.431	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.860%
47) 2-Hexanone-d5	8.629	63	74508	106.830	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.830%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	136978	47.557	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.120%
66) 1,2-Dichlorobenzene-d4	12.189	152	113170	41.224	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.440%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.562	96	925	0.569	ug/L #	1
20) cis-1,2-Dichloroethene	4.661	96	74155	39.298	ug/L	92
34) Trichloroethene	6.542	95	11862	6.077	ug/L	97
37) 1,2-Dichloropropane	6.687	63	10071	6.146	ug/L #	86
42) Toluene	7.967	91	265983	36.369	ug/L	98
44) trans-1,3-Dichloropropene	8.176	75	2094	0.827	ug/L #	78
46) Tetrachloroethene	8.552	164	47510	29.332	ug/L	97
49) Dibromochloromethane	8.549	129	46599	24.910	ug/L #	11
51) Chlorobenzene	9.446	112	10384	2.061	ug/L	93
52) Ethylbenzene	9.568	91	12586	1.546	ug/L	99
53) m,p-Xylene	9.690	106	18247	5.731	ug/L	92
54) o-xylene	10.095	106	6368	2.023	ug/L	96
60) 1,2,3-Trichloropropane	11.742	75	2942	1.543	ug/L #	68
63) 1,2,4-Trimethylbenzene	11.468	105	6666	1.041	ug/L	95
64) 1,3-Dichlorobenzene	11.745	146	10307	2.537	ug/L	95
65) 1,4-Dichlorobenzene	11.835	146	57043	13.775	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	17414	4.300	ug/L	95
69) 1,3,5-Trichlorobenzene	13.838	180	202379	67.263	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	202379	72.549	ug/L	99

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QLast Update : Sat Apr 01 04:51:17 2023
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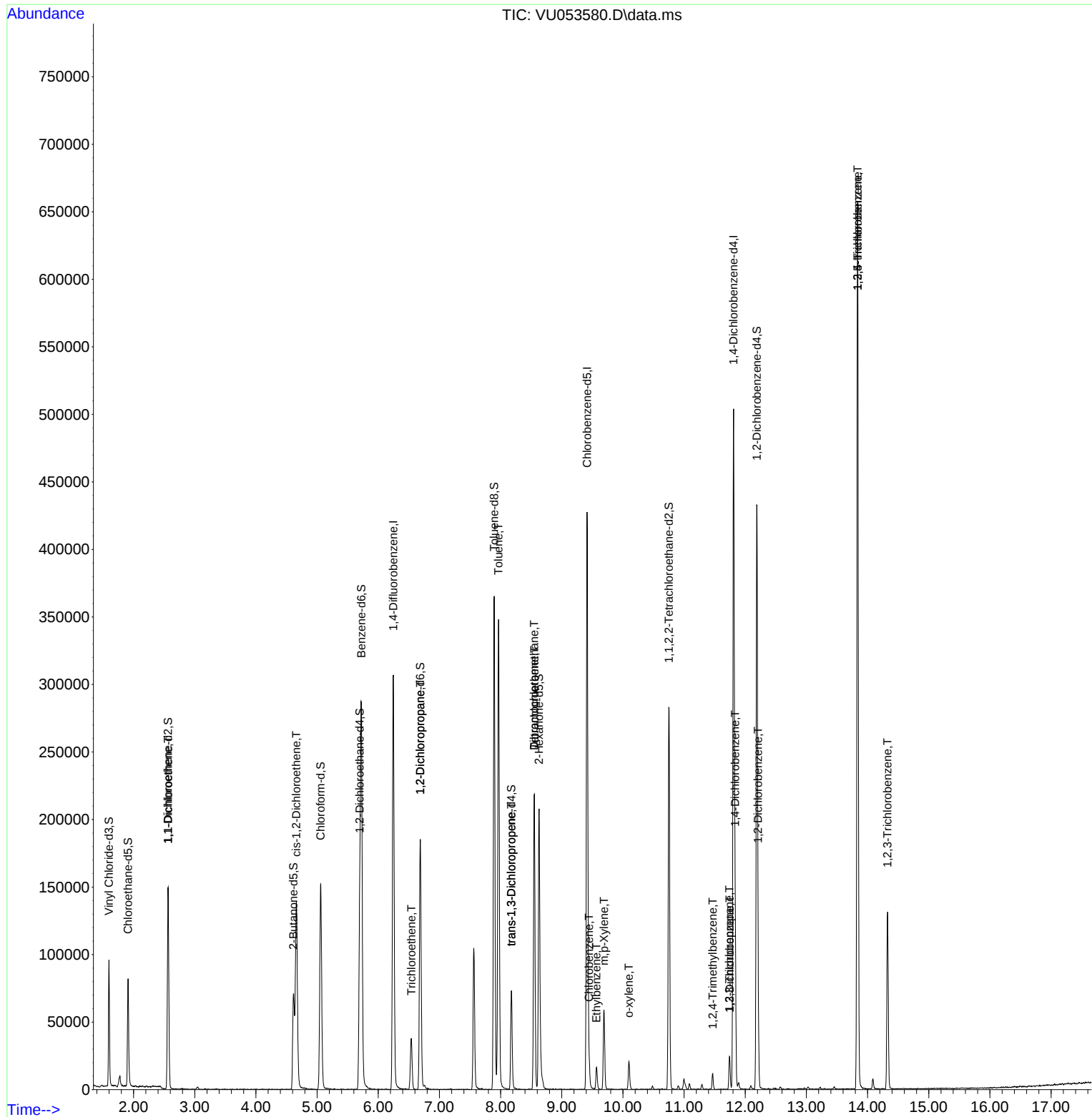
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	14.327	180	39731	14.260	ug/L	97

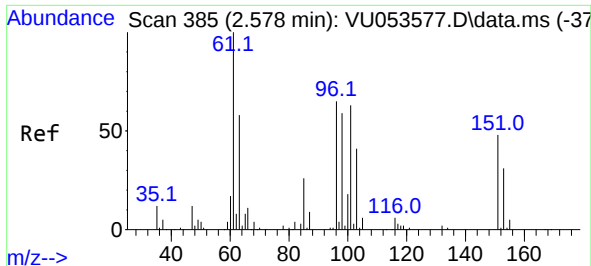
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.569 ug/L

RT: 2.562 min Scan# 3

Delta R.T. -0.016 min

Lab File: VU053580.D

Acq: 05 Apr 2023 13:10

Instrument :

MSVOA_U

ClientSampleId :

PMW-5(20230329)DL

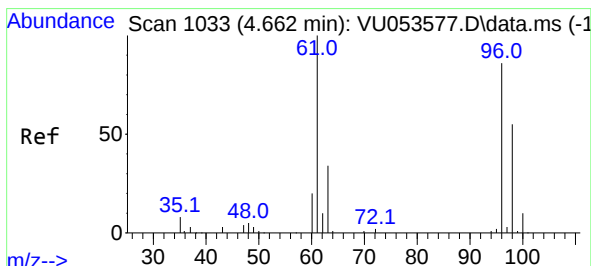
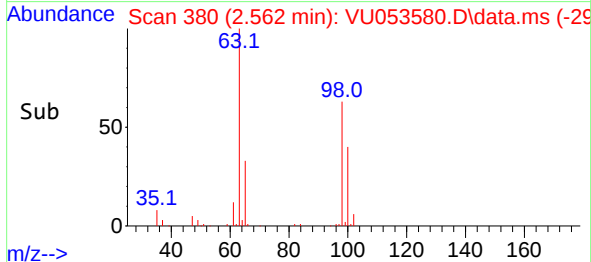
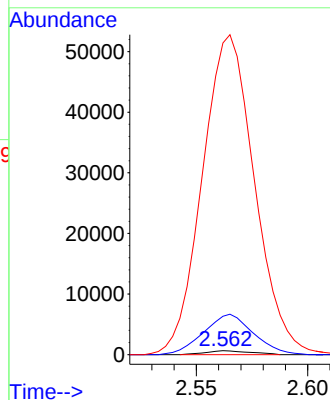
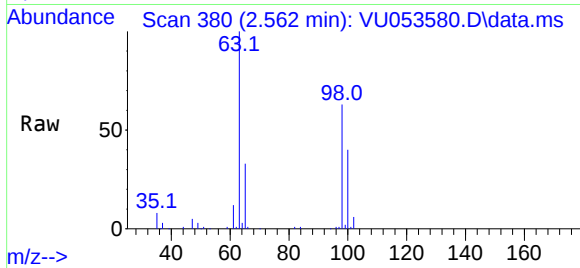
Tgt Ion: 96 Resp: 925

Ion Ratio Lower Upper

96 100

61 974.2 107.9 200.5#

63 7899.2 79.1 146.9#



#20

cis-1,2-Dichloroethene

Concen: 39.298 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU053580.D

Acq: 05 Apr 2023 13:10

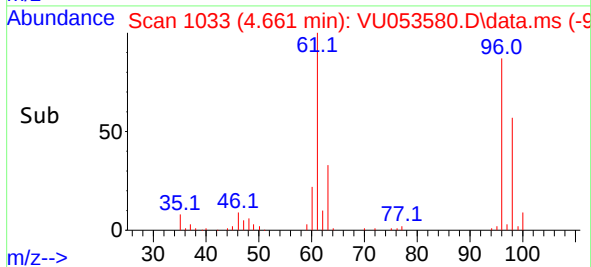
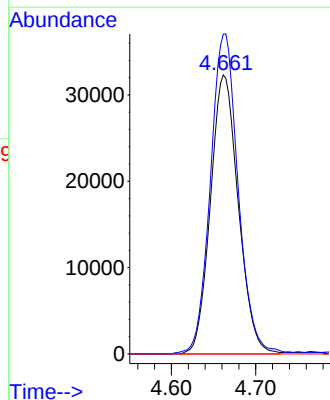
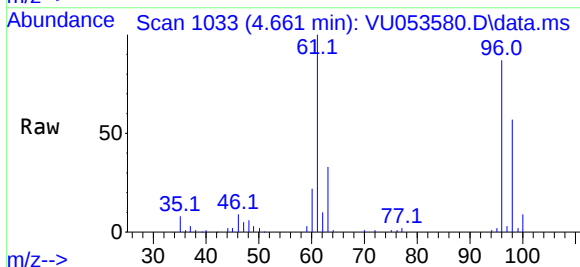
Tgt Ion: 96 Resp: 74155

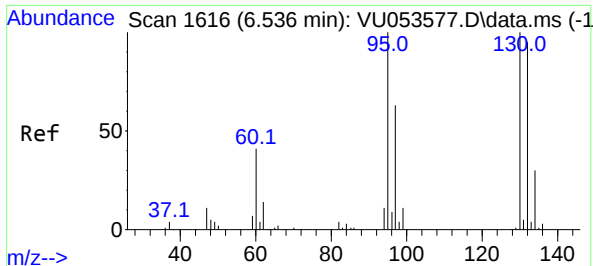
Ion Ratio Lower Upper

96 100

61 114.6 74.7 138.7

68 0.0 0.0 0.0



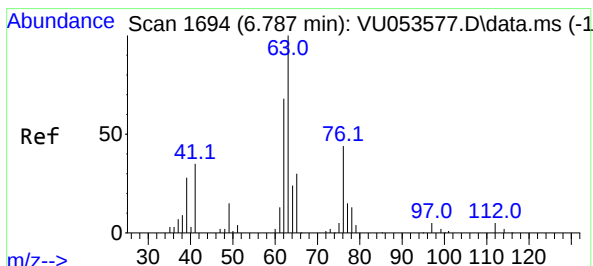
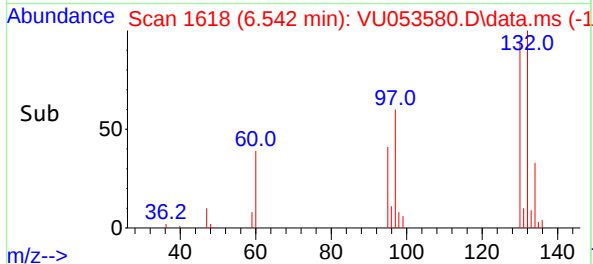
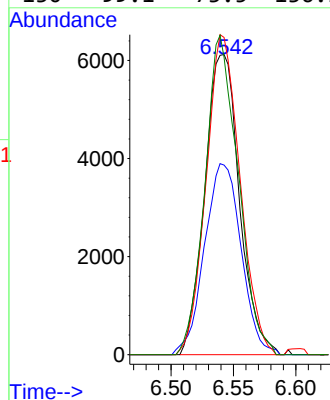
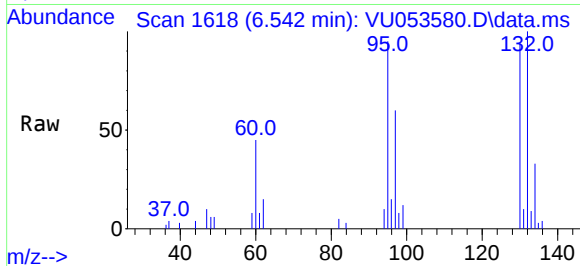


#34
Trichloroethene
Concen: 6.077 ug/L
RT: 6.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VU053580.D
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PMW-5(20230329)DL

Tgt Ion: 95 Resp: 11862

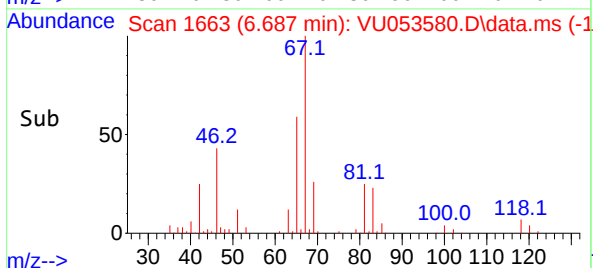
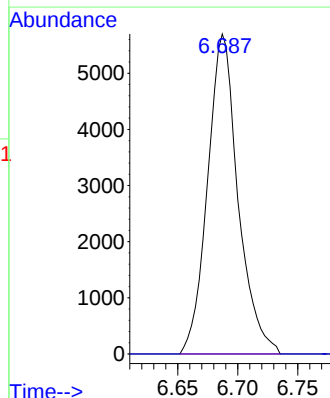
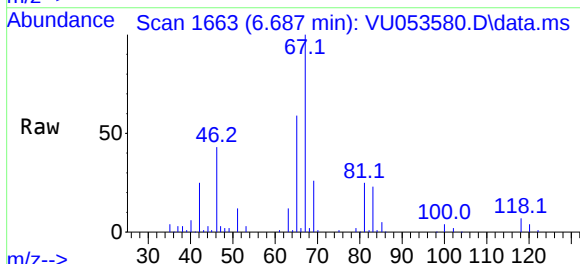
Ion	Ratio	Lower	Upper
95	100		
97	63.2	45.1	83.7
132	105.7	74.1	137.5
130	99.1	73.5	136.5

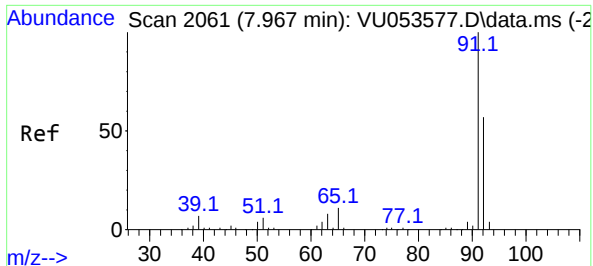


#37
1,2-Dichloropropane
Concen: 6.146 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.096 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

Tgt Ion: 63 Resp: 10071

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.8	5.6

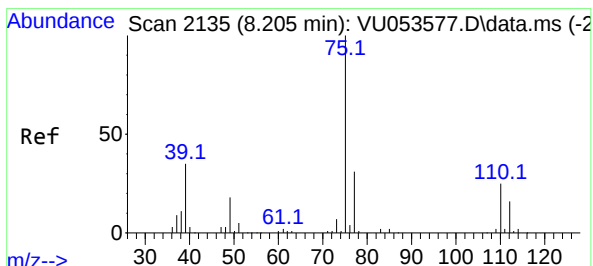
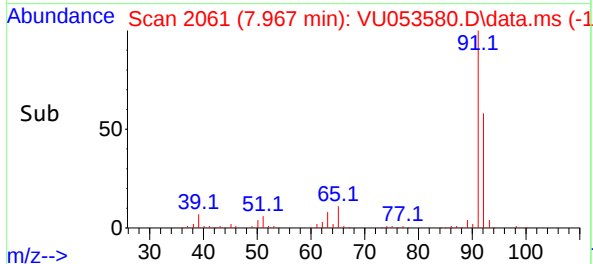
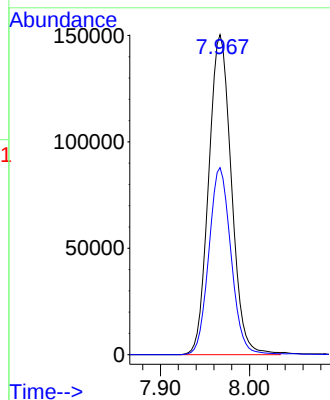
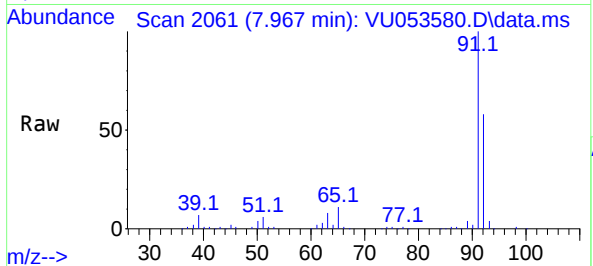




#42
Toluene
Concen: 36.369 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

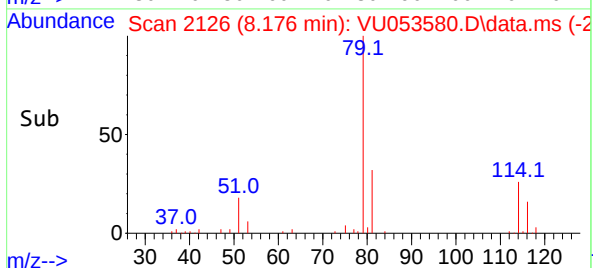
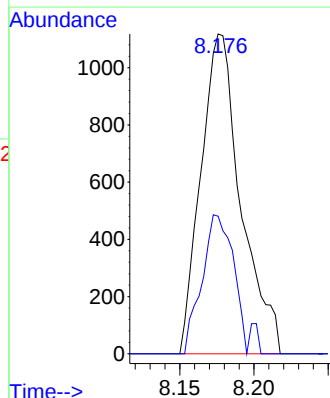
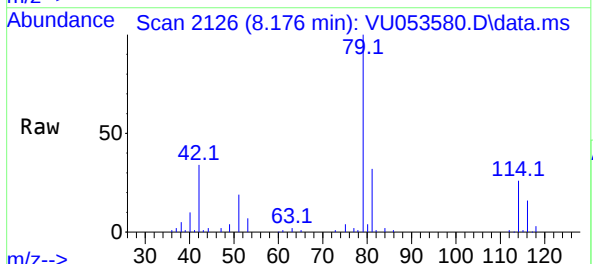
Instrument :
MSVOA_U
ClientSampleId :
PMW-5(20230329)DL

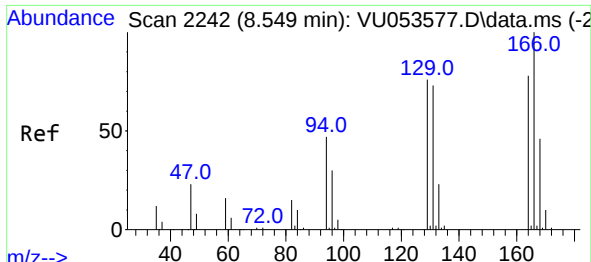
Tgt Ion: 91 Resp: 265983
Ion Ratio Lower Upper
91 100
92 58.4 39.8 73.8



#44
trans-1,3-Dichloropropene
Concen: 0.827 ug/L
RT: 8.176 min Scan# 2126
Delta R.T. -0.029 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

Tgt Ion: 75 Resp: 2094
Ion Ratio Lower Upper
75 100
77 43.0 21.8 40.4#

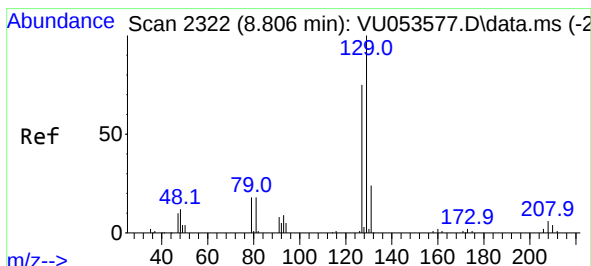
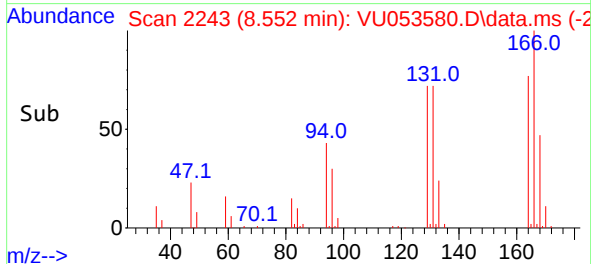
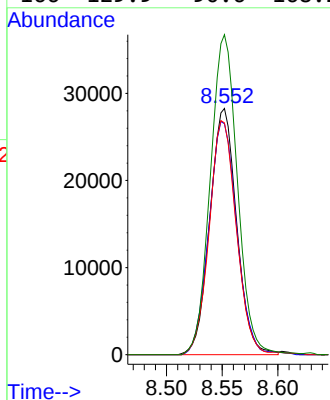
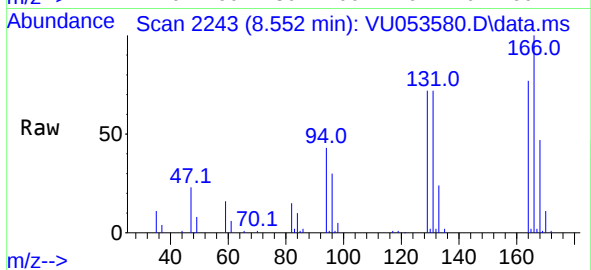




#46
Tetrachloroethene
Concen: 29.332 ug/L
RT: 8.552 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

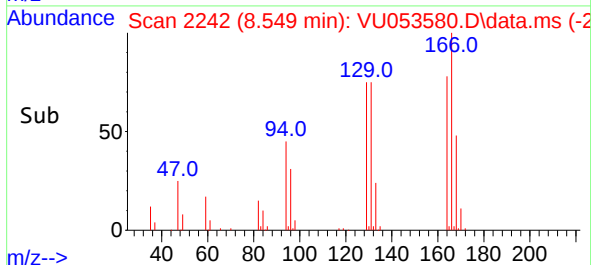
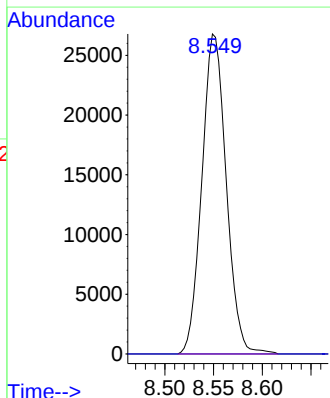
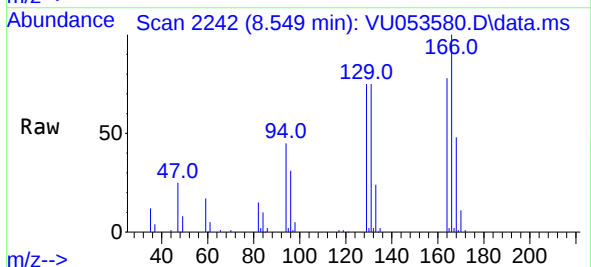
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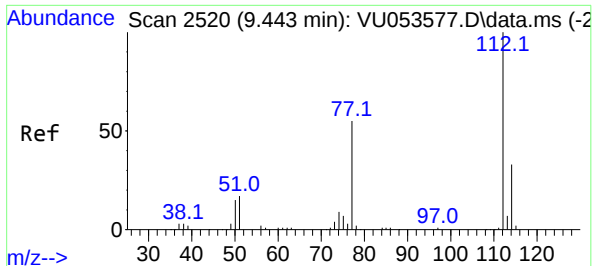
Tgt Ion:164 Resp: 47510
Ion Ratio Lower Upper
164 100
129 93.7 64.0 119.0
131 94.1 61.9 115.1
166 129.9 90.6 168.2



#49
Dibromochloromethane
Concen: 24.910 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.254 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

Tgt Ion:129 Resp: 46599
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#





#51

Chlorobenzene

Concen: 2.061 ug/L

RT: 9.446 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053580.D

Acq: 05 Apr 2023 13:10

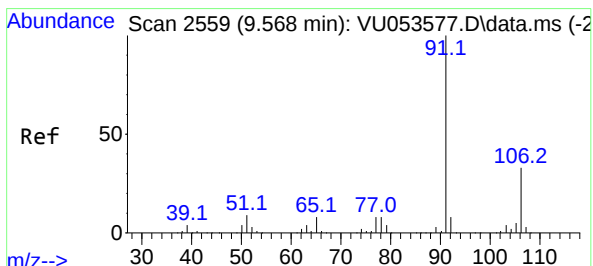
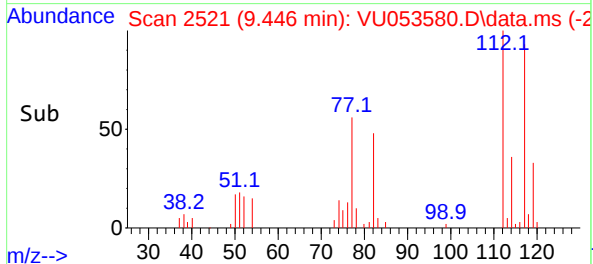
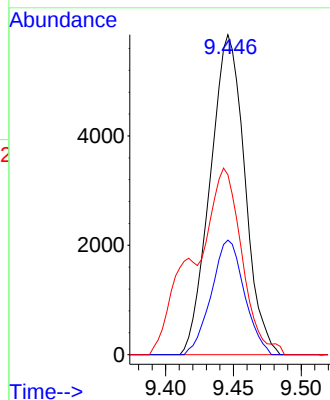
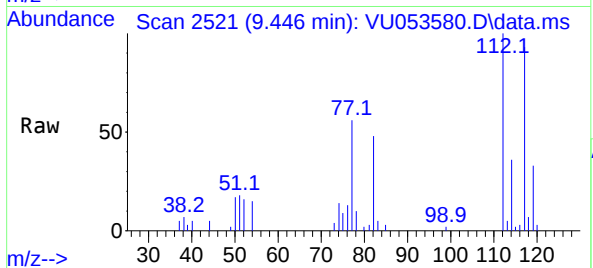
Instrument :

MSVOA_U

ClientSampleId :

PMW-5(20230329)DL

Tgt Ion:112	Resp:	10384
Ion Ratio	Lower	Upper
112	100	
114	35.8	22.2 41.2
77	56.2	41.3 61.9



#52

Ethylbenzene

Concen: 1.546 ug/L

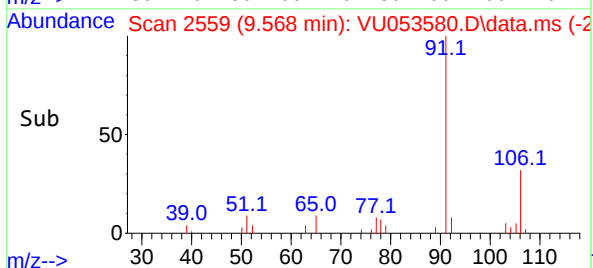
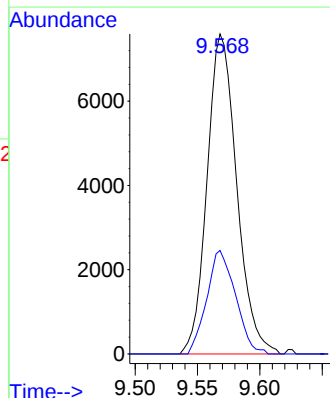
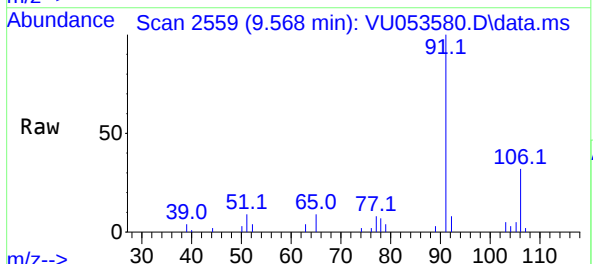
RT: 9.568 min Scan# 2559

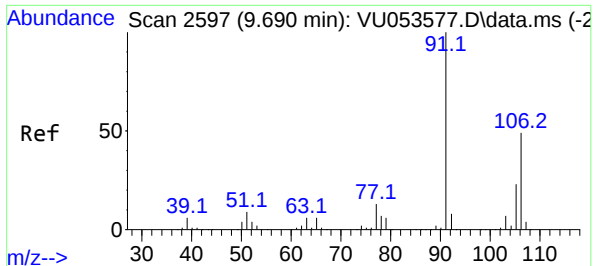
Delta R.T. 0.003 min

Lab File: VU053580.D

Acq: 05 Apr 2023 13:10

Tgt Ion: 91	Resp:	12586
Ion Ratio	Lower	Upper
91	100	
106	32.4	22.4 41.6

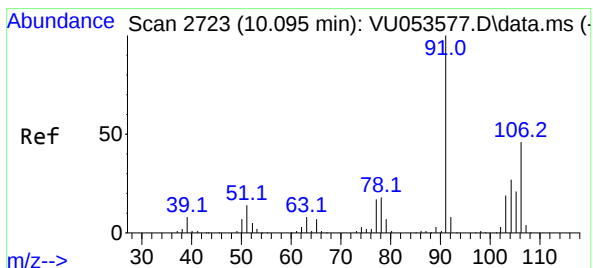
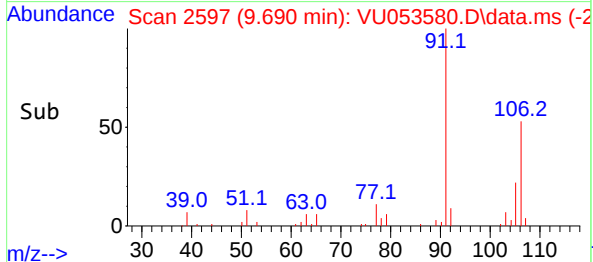
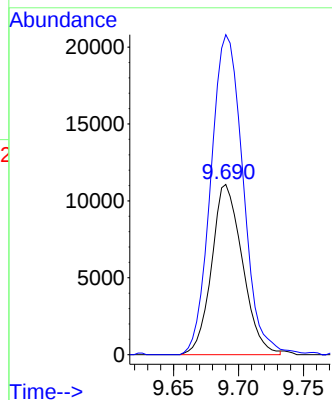
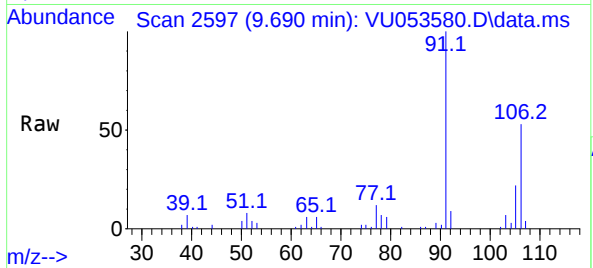




#53
m,p-Xylene
Concen: 5.731 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

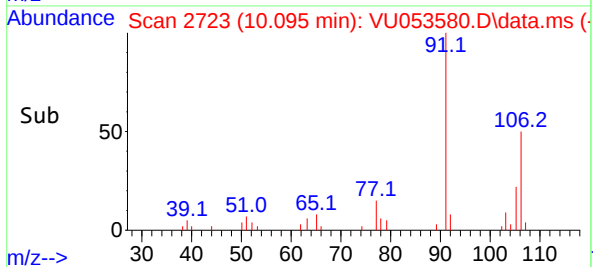
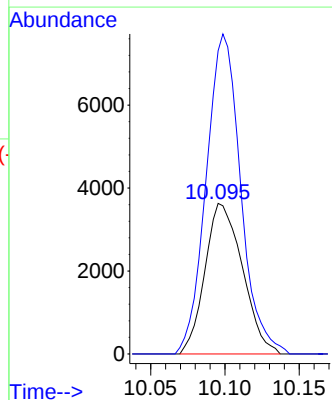
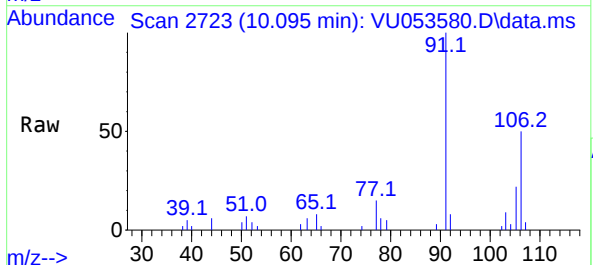
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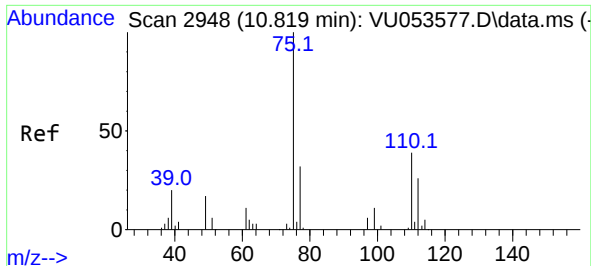
Tgt Ion:106 Resp: 18247
Ion Ratio Lower Upper
106 100
91 187.9 140.0 260.0



#54
o-xylene
Concen: 2.023 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

Tgt Ion:106 Resp: 6368
Ion Ratio Lower Upper
106 100
91 201.4 144.9 269.1

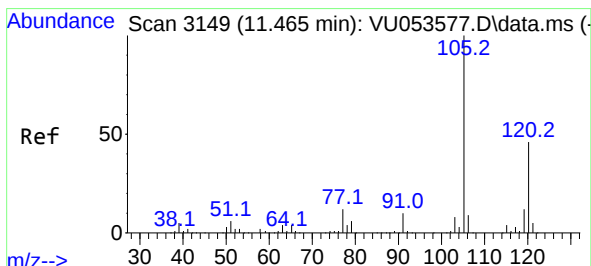
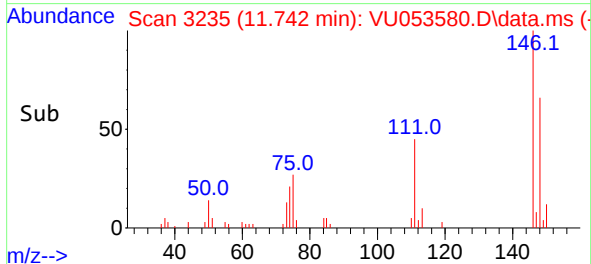
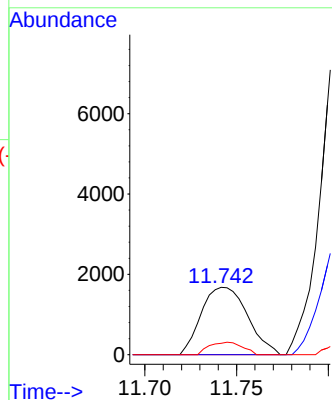
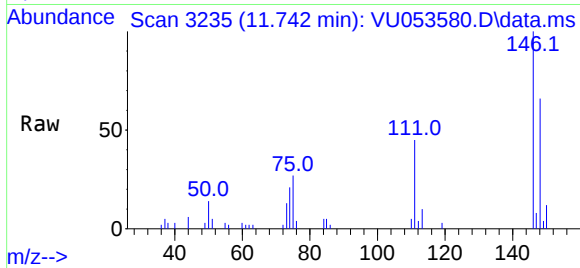




#60
1,2,3-Trichloropropane
Concen: 1.543 ug/L
RT: 11.742 min Scan# 3150
Delta R.T. 0.926 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

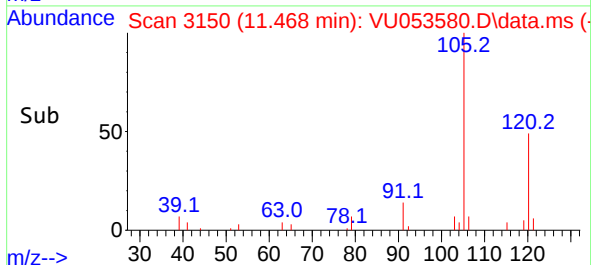
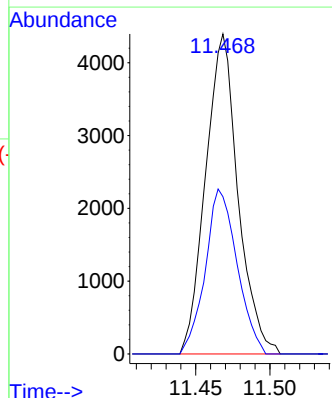
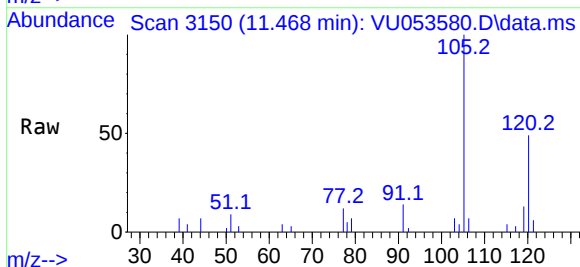
Instrument :
MSVOA_U
ClientSampleId :
PMW-5(20230329)DL

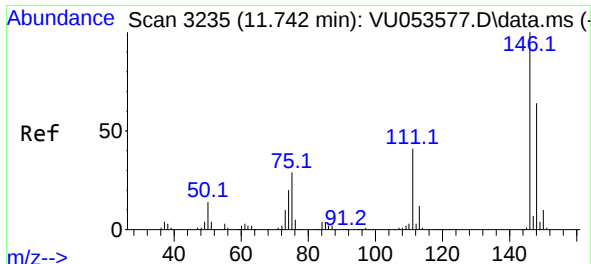
Tgt Ion: 75 Resp: 2942
Ion Ratio Lower Upper
75 100
77 23.1 26.0 39.0#
110 13.3 32.6 48.8#



#63
1,2,4-Trimethylbenzene
Concen: 1.041 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.006 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

Tgt Ion: 105 Resp: 6666
Ion Ratio Lower Upper
105 100
120 50.5 37.5 56.3

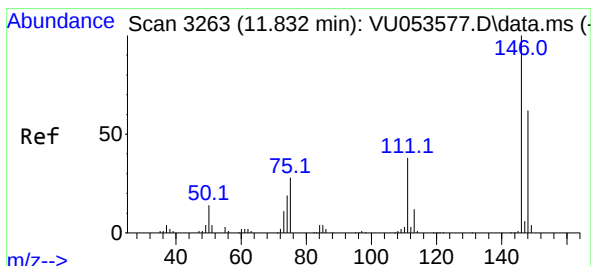
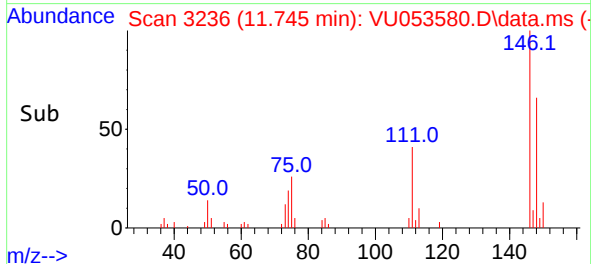
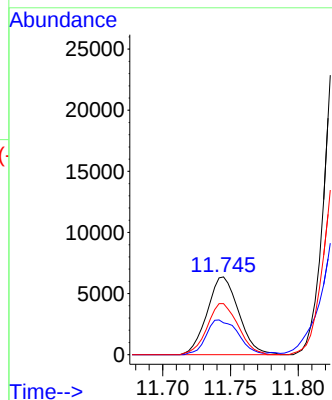
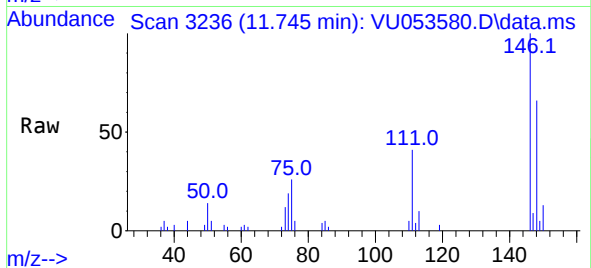




#64
1,3-Dichlorobenzene
Concen: 2.537 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

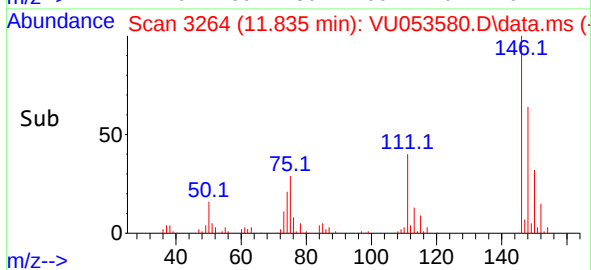
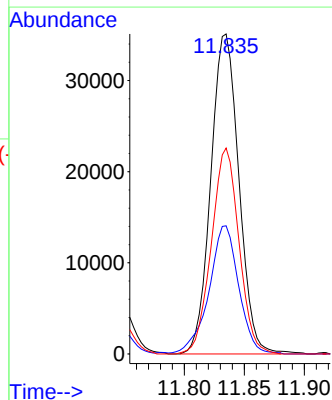
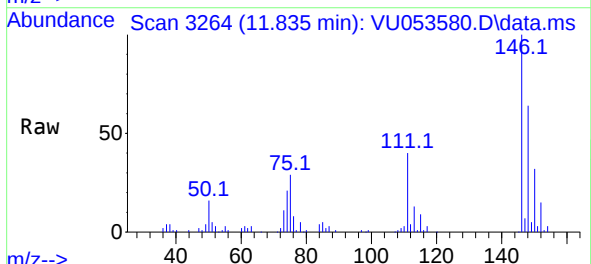
Instrument :
MSVOA_U
ClientSampleId :
PMW-5(20230329)DL

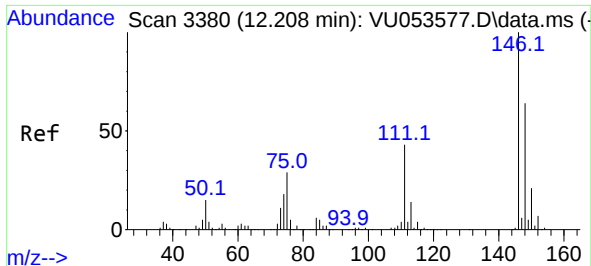
Tgt Ion:146 Resp: 10307
Ion Ratio Lower Upper
146 100
111 41.0 25.7 47.7
148 65.7 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 13.775 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

Tgt Ion:146 Resp: 57043
Ion Ratio Lower Upper
146 100
111 40.0 25.1 46.5
148 64.3 44.3 82.3

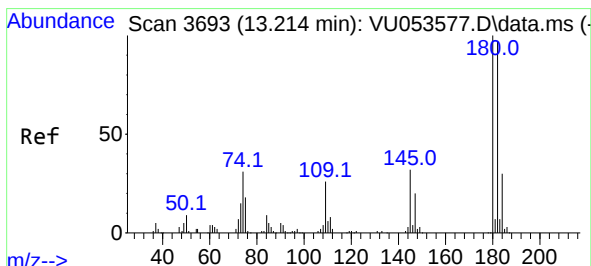
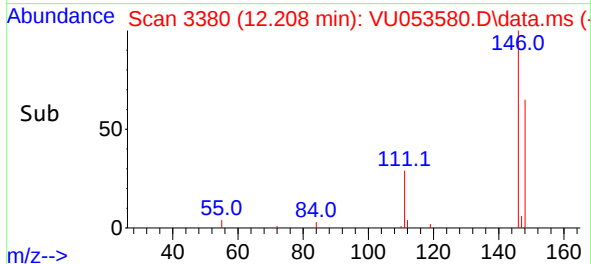
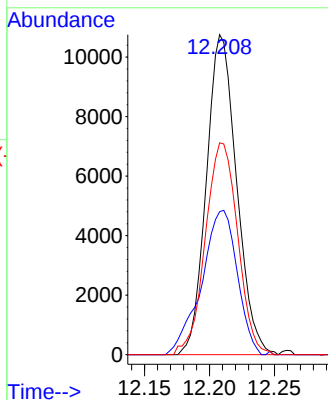
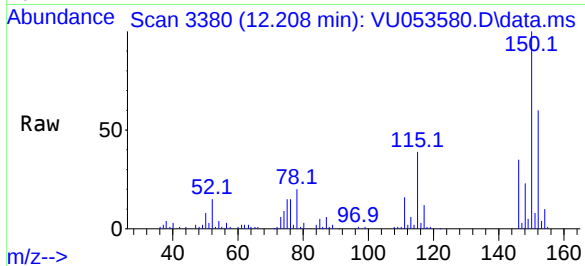




#67
1,2-Dichlorobenzene
Concen: 4.300 ug/L
RT: 12.208 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

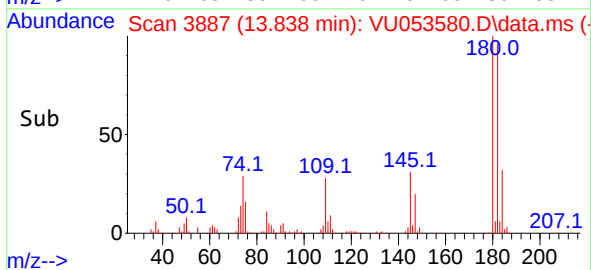
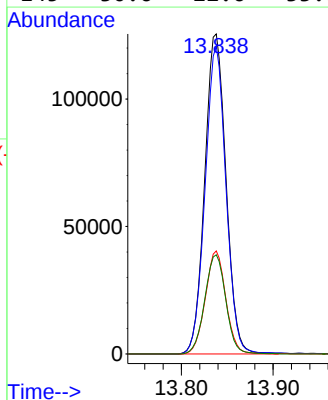
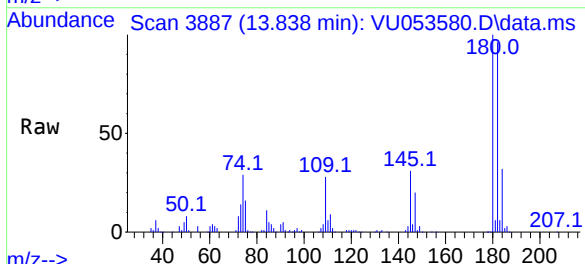
Instrument :
MSVOA_U
ClientSampleId :
PMW-5(20230329)DL

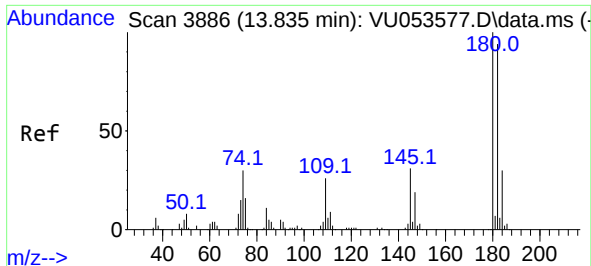
Tgt Ion:146	Resp:	17414
Ion Ratio	Lower	Upper
146	100	
111	44.7	31.5 47.3
148	66.2	51.6 77.4



#69
1,3,5-Trichlorobenzene
Concen: 67.263 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.624 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

Tgt Ion:180	Resp:	202379
Ion Ratio	Lower	Upper
180	100	
182	94.2	75.6 113.4
184	31.1	24.2 36.2
145	30.6	22.6 33.8

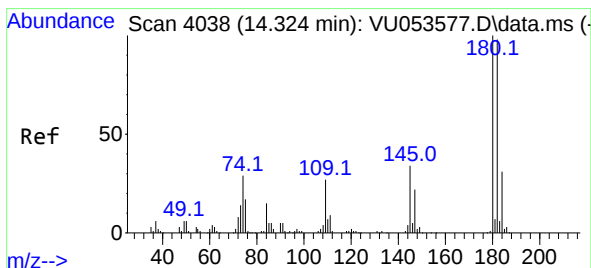
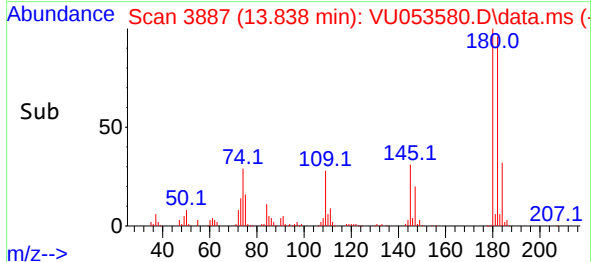
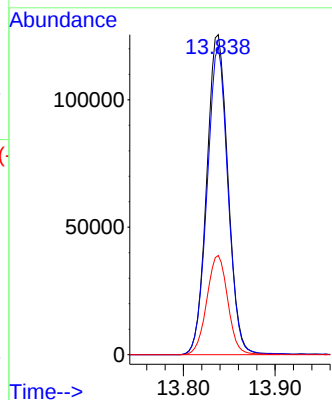
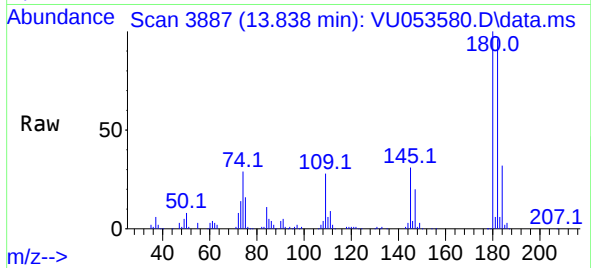




#70
1,2,4-trichlorobenzene
Concen: 72.549 ug/L
RT: 13.838 min Scan# 3886
Delta R.T. 0.003 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

Instrument :
MSVOA_U
ClientSampleId :
PMW-5(20230329)DL

Tgt Ion:180 Resp: 202379
Ion Ratio Lower Upper
180 100
182 94.2 75.8 113.8
145 30.6 23.4 35.2



#72
1,2,3-Trichlorobenzene
Concen: 14.260 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

Tgt Ion:180 Resp: 39731
Ion Ratio Lower Upper
180 100
182 97.5 77.0 115.6
145 35.9 25.4 38.0

