

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040423\
 Data File : VU053574.D
 Acq On : 04 Apr 2023 20:17
 Operator : JC/MD
 Sample : 02158-06DL 400X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Apr 04 23:14:27 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)

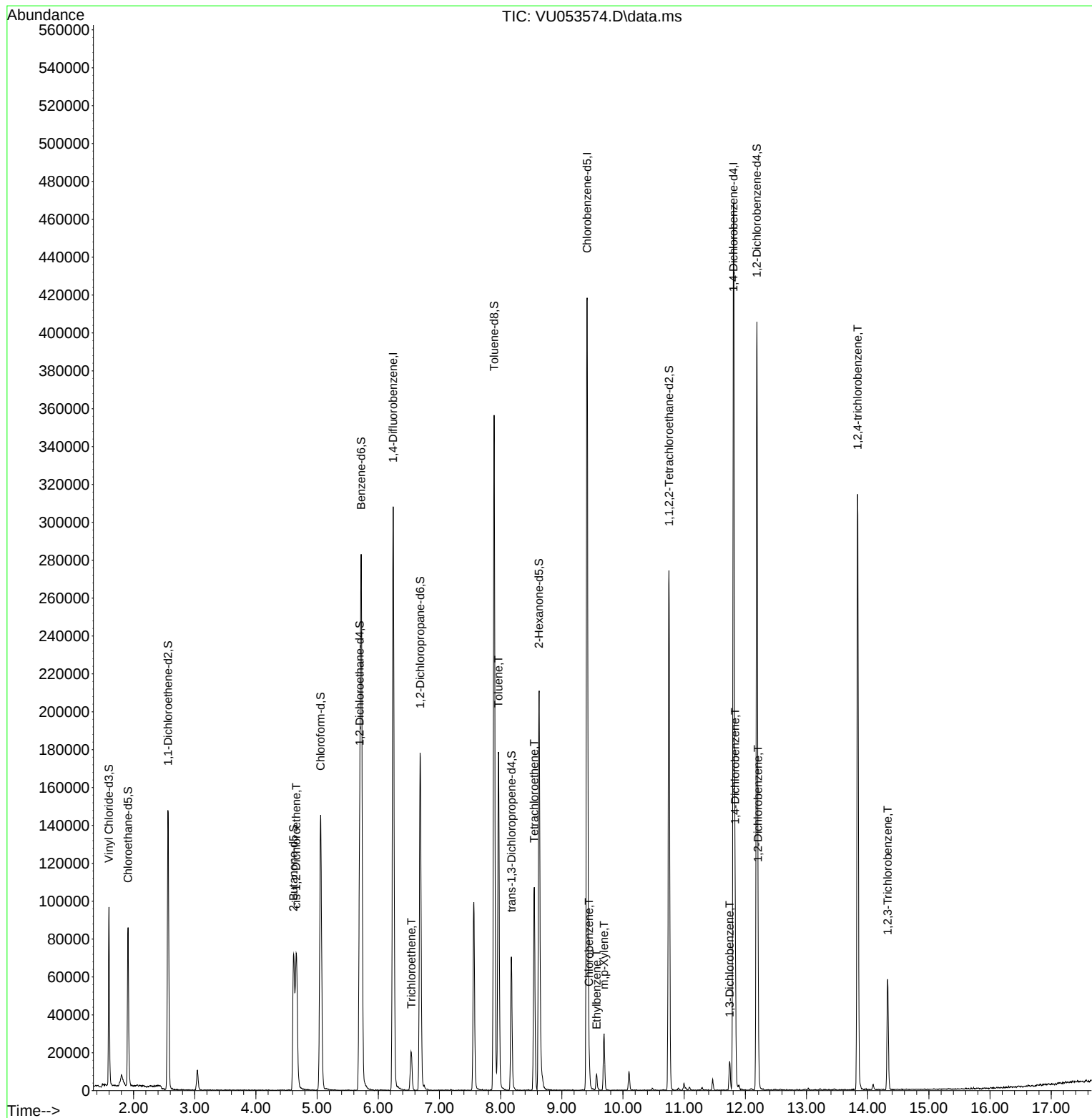
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	262133	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	245668	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	127152	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	67892	33.262	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.520%
7) Chloroethane-d5	1.910	69	62586	39.768	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.540%
11) 1,1-Dichloroethene-d2	2.562	63	84344	26.695	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.380%#
21) 2-Butanone-d5	4.614	46	102233	110.626	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.630%
24) Chloroform-d	5.057	84	134568	39.864	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.720%
26) 1,2-Dichloroethane-d4	5.697	65	88214	44.225	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.440%
32) Benzene-d6	5.720	84	269972	40.712	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.420%
36) 1,2-Dichloropropane-d6	6.684	67	87974	43.404	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.800%
41) Toluene-d8	7.893	98	246229	37.359	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.720%#
43) trans-1,3-Dichloroprop...	8.176	79	42123	40.261	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.520%
47) 2-Hexanone-d5	8.626	63	78406	113.345	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.350%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	131763	46.123	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.240%
66) 1,2-Dichlorobenzene-d4	12.189	152	106093	39.973	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.940%#
Target Compounds						
					Qvalue	
20) cis-1,2-Dichloroethene	4.659	96	37367	20.013	ug/L	91
34) Trichloroethene	6.540	95	6116	3.159	ug/L	91
42) Toluene	7.964	91	133878	18.457	ug/L	100
46) Tetrachloroethene	8.549	164	23570	14.672	ug/L	98
51) Chlorobenzene	9.443	112	8019	1.605	ug/L	90
52) Ethylbenzene	9.568	91	6722	0.832	ug/L	99
53) m,p-Xylene	9.691	106	9178	2.906	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	7087	1.804	ug/L	92
65) 1,4-Dichlorobenzene	11.832	146	33644	8.404	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	8320	2.125	ug/L	95
70) 1,2,4-trichlorobenzene	13.835	180	95263	35.323	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	18276	6.785	ug/L	98

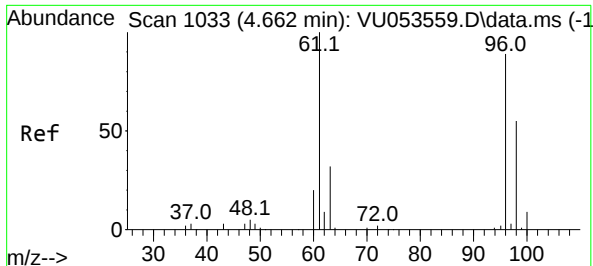
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 01 04:51:17 2023
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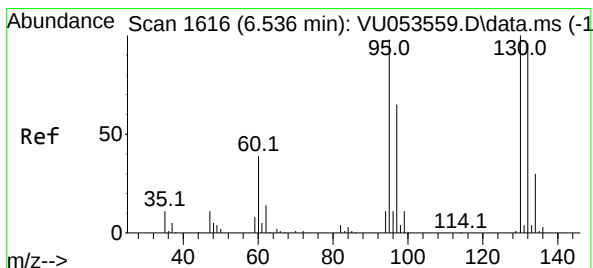
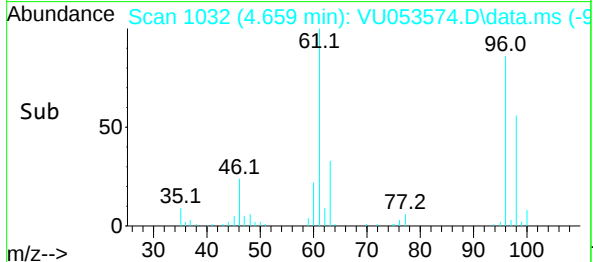
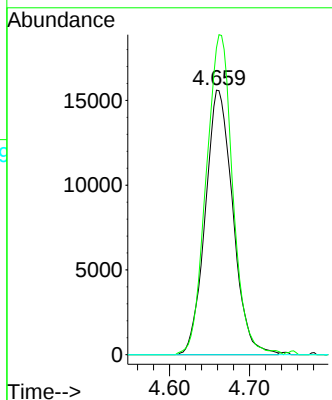
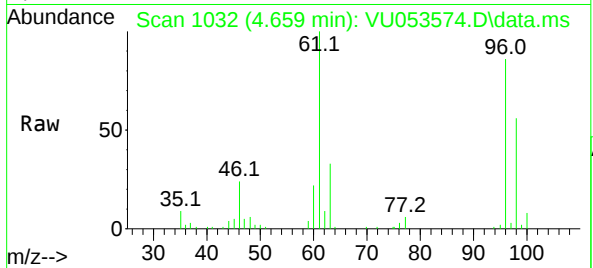




#20
cis-1,2-Dichloroethene
Concen: 20.013 ug/L
RT: 4.659 min Scan# 1032
Delta R.T. -0.003 min
Lab File: VU053574.D
Acq: 04 Apr 2023 20:17

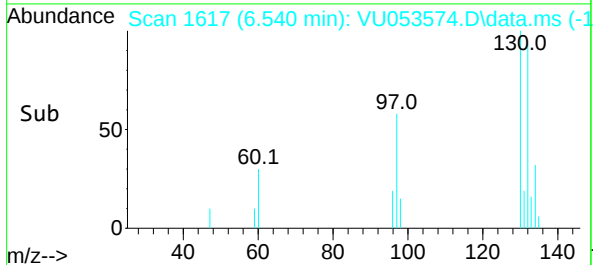
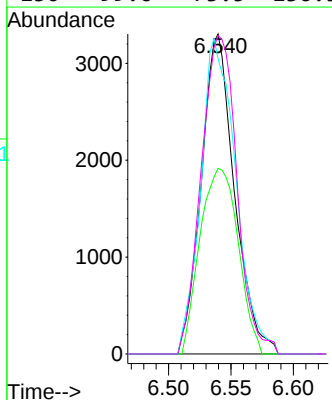
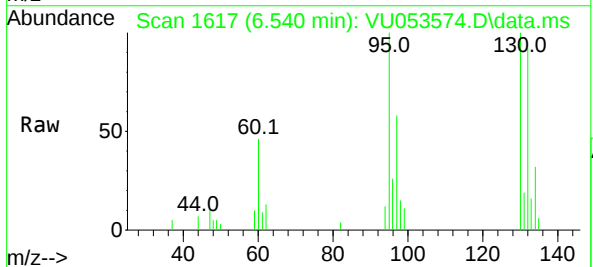
Instrument :
MSVOA_U
ClientSampleId :
PMW-5(20230329)DL

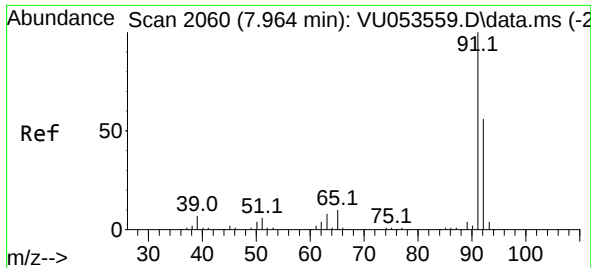
Tgt Ion: 96 Resp: 37367
Ion Ratio Lower Upper
96 100
61 115.9 74.7 138.7
68 0.0 0.0 0.0



#34
Trichloroethene
Concen: 3.159 ug/L
RT: 6.540 min Scan# 1617
Delta R.T. 0.004 min
Lab File: VU053574.D
Acq: 04 Apr 2023 20:17

Tgt Ion: 95 Resp: 6116
Ion Ratio Lower Upper
95 100
97 58.0 45.1 83.7
132 92.3 74.1 137.5
130 99.6 73.5 136.5





#42

Toluene

Concen: 18.457 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053574.D

Acq: 04 Apr 2023 20:17

Instrument :

MSVOA_U

ClientSampleId :

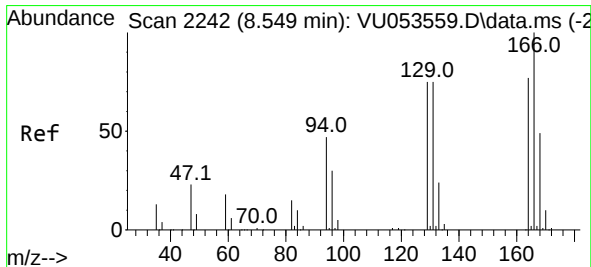
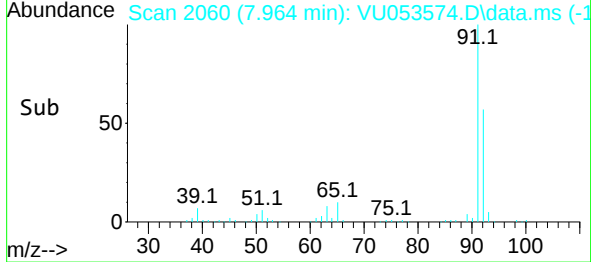
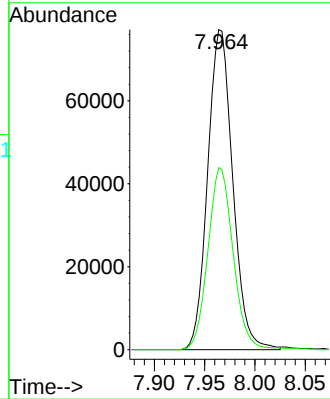
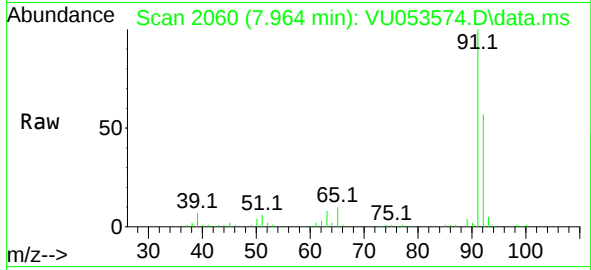
PMW-5(20230329)DL

Tgt Ion: 91 Resp: 133878

Ion Ratio Lower Upper

91 100

92 56.9 39.8 73.8



#46

Tetrachloroethene

Concen: 14.672 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU053574.D

Acq: 04 Apr 2023 20:17

Tgt Ion: 164 Resp: 23570

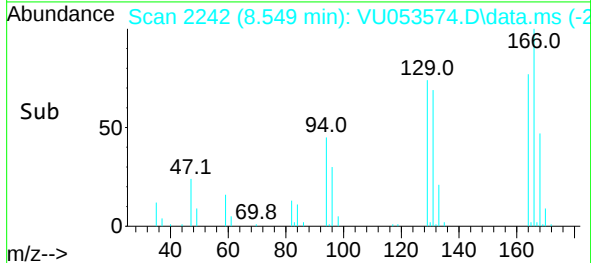
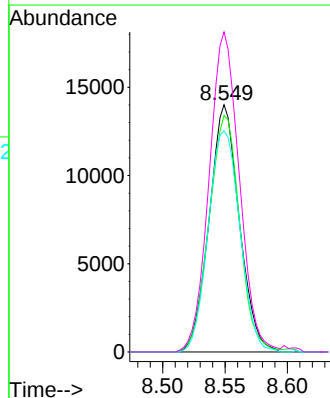
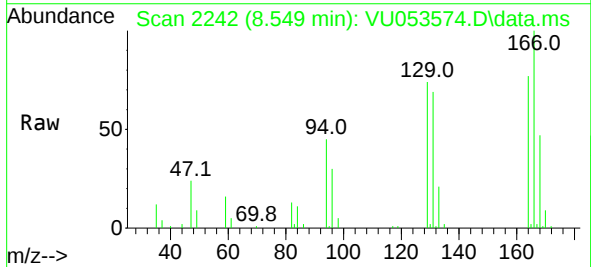
Ion Ratio Lower Upper

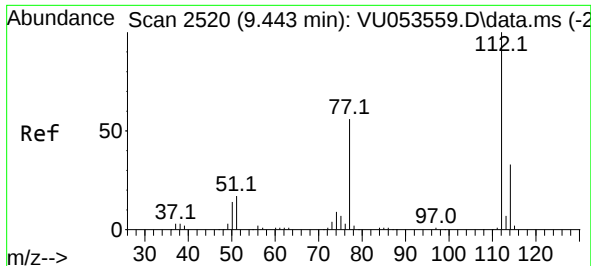
164 100

129 95.7 64.0 119.0

131 89.5 61.9 115.1

166 129.4 90.6 168.2

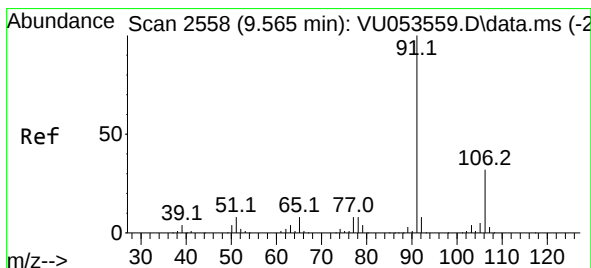
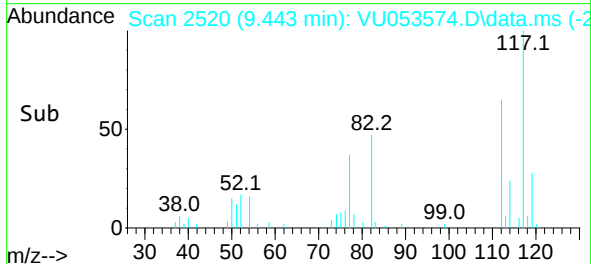
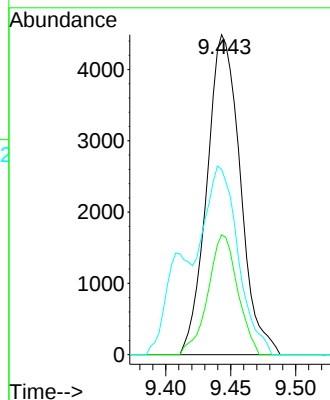
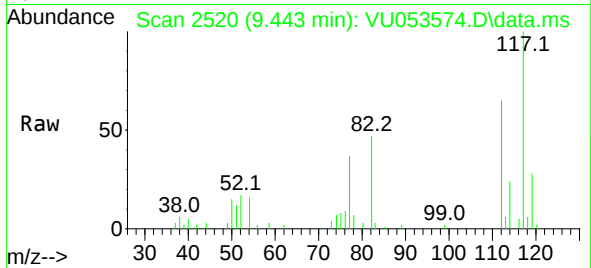




#51
Chlorobenzene
Concen: 1.605 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053574.D
Acq: 04 Apr 2023 20:17

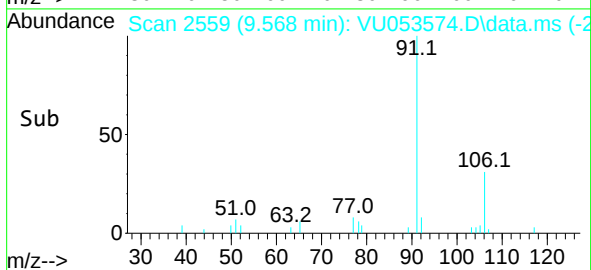
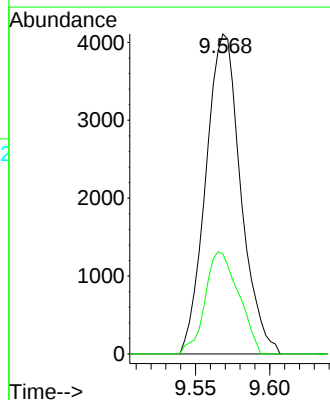
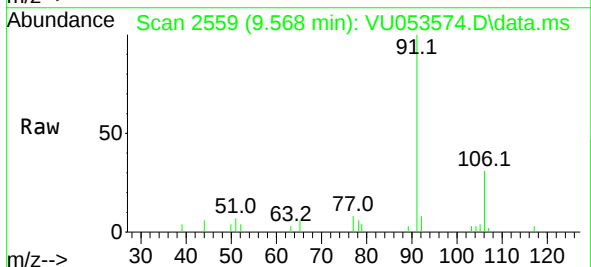
Instrument :
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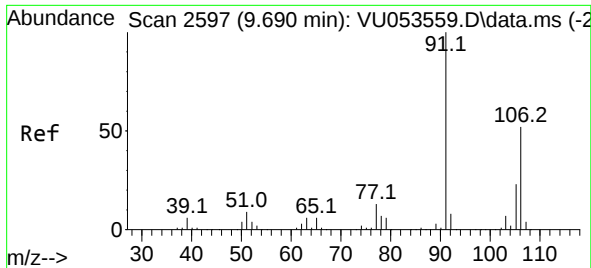
Tgt Ion:	112	Resp:	8019
Ion Ratio	Lower	Upper	
112	100		
114	37.5	22.2	41.2
77	57.9	41.3	61.9



#52
Ethylbenzene
Concen: 0.832 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.004 min
Lab File: VU053574.D
Acq: 04 Apr 2023 20:17

Tgt Ion:	91	Resp:	6722
Ion Ratio	Lower	Upper	
91	100		
106	31.2	22.4	41.6

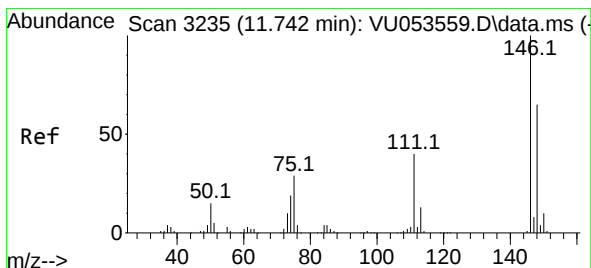
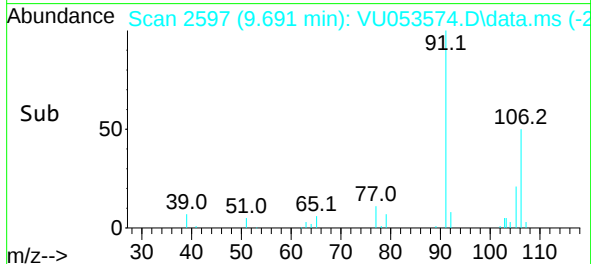
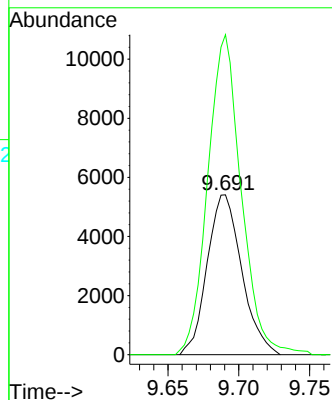
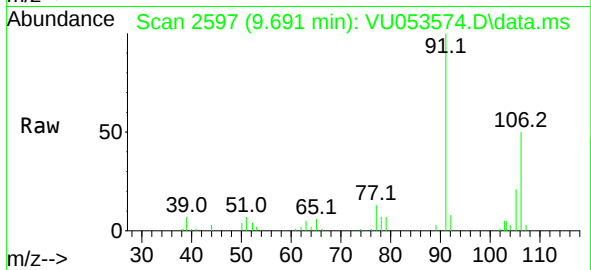




#53
m,p-Xylene
Concen: 2.906 ug/L
RT: 9.691 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053574.D
Acq: 04 Apr 2023 20:17

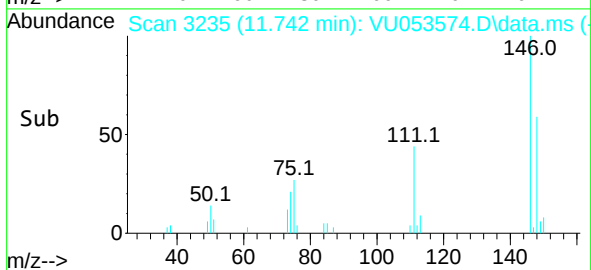
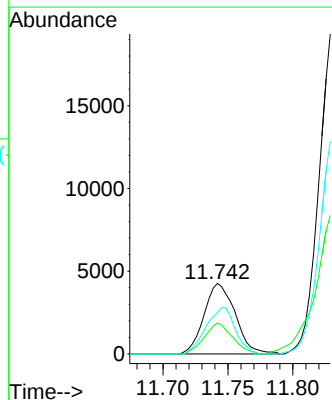
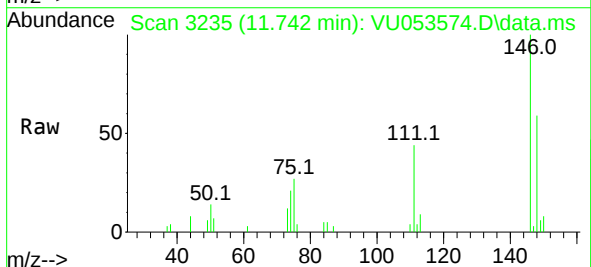
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PMW-5(20230329)DL

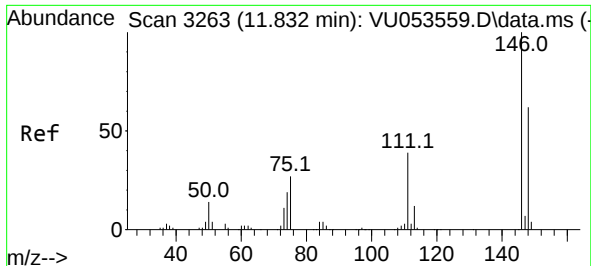
Tgt Ion:106 Resp: 9178
Ion Ratio Lower Upper
106 100
91 200.1 140.0 260.0



#64
1,3-Dichlorobenzene
Concen: 1.804 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053574.D
Acq: 04 Apr 2023 20:17

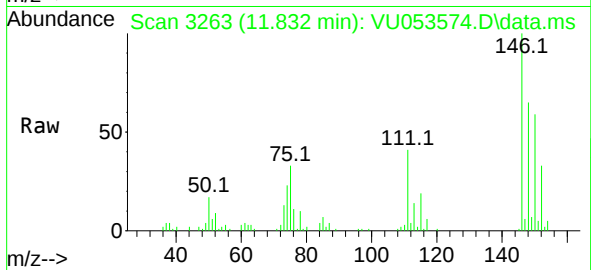
Tgt Ion:146 Resp: 7087
Ion Ratio Lower Upper
146 100
111 43.8 25.7 47.7
148 58.7 44.2 82.2



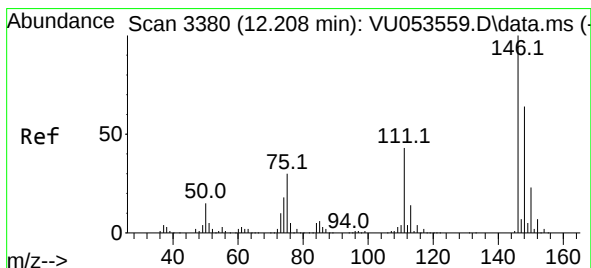
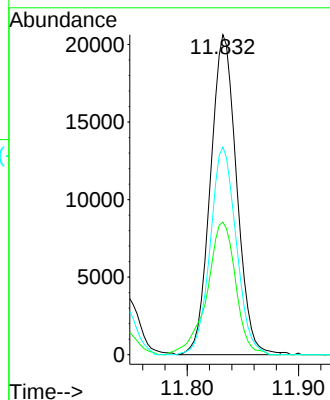
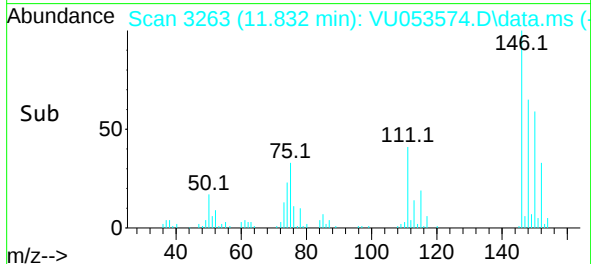


#65
1,4-Dichlorobenzene
Concen: 8.404 ug/L
RT: 11.832 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053574.D
Acq: 04 Apr 2023 20:17

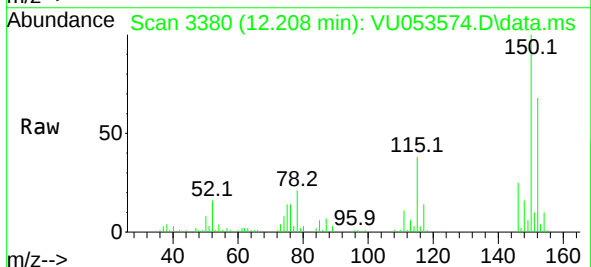
Instrument :
MSVOA_U
ClientSampleId :
PMW-5(20230329)DL



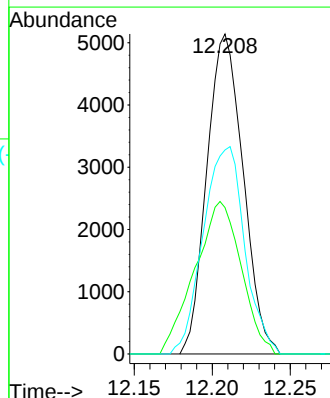
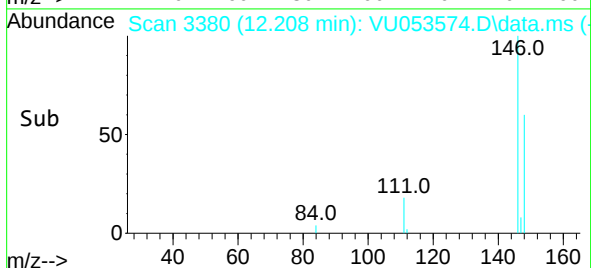
Tgt Ion:146 Resp: 33644
Ion Ratio Lower Upper
146 100
111 41.4 25.1 46.5
148 64.9 44.3 82.3

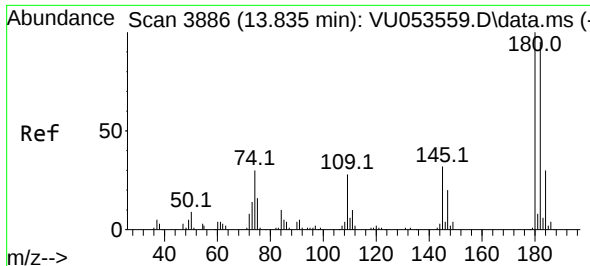


#67
1,2-Dichlorobenzene
Concen: 2.125 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU053574.D
Acq: 04 Apr 2023 20:17



Tgt Ion:146 Resp: 8320
Ion Ratio Lower Upper
146 100
111 45.7 31.5 47.3
148 63.7 51.6 77.4

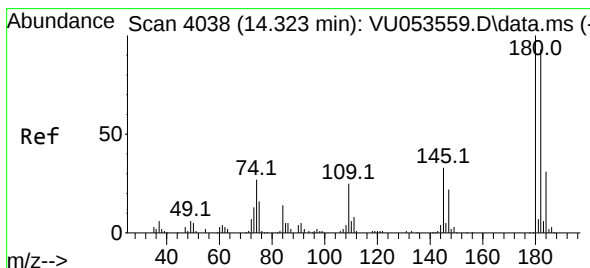
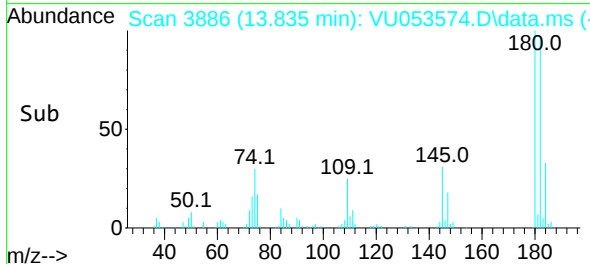
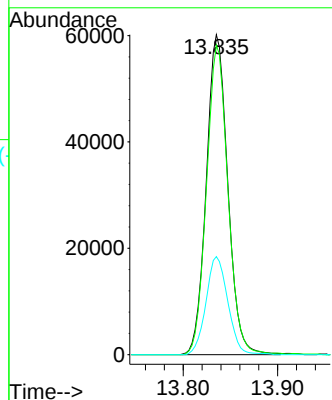
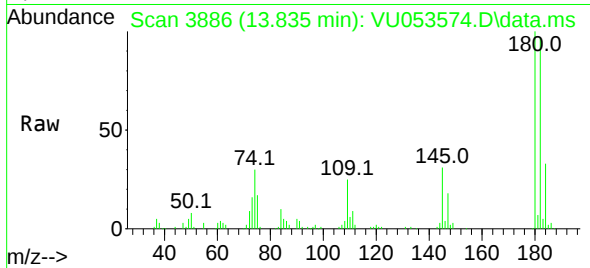




#70
1,2,4-trichlorobenzene
Concen: 35.323 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. 0.000 min
Lab File: VU053574.D
Acq: 04 Apr 2023 20:17

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

Tgt Ion:180 Resp: 95263
Ion Ratio Lower Upper
180 100
182 96.1 75.8 113.8
145 31.1 23.4 35.2



#72
1,2,3-Trichlorobenzene
Concen: 6.785 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.004 min
Lab File: VU053574.D
Acq: 04 Apr 2023 20:17

Tgt Ion:180 Resp: 18276
Ion Ratio Lower Upper
180 100
182 97.4 77.0 115.6
145 34.2 25.4 38.0

