

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)

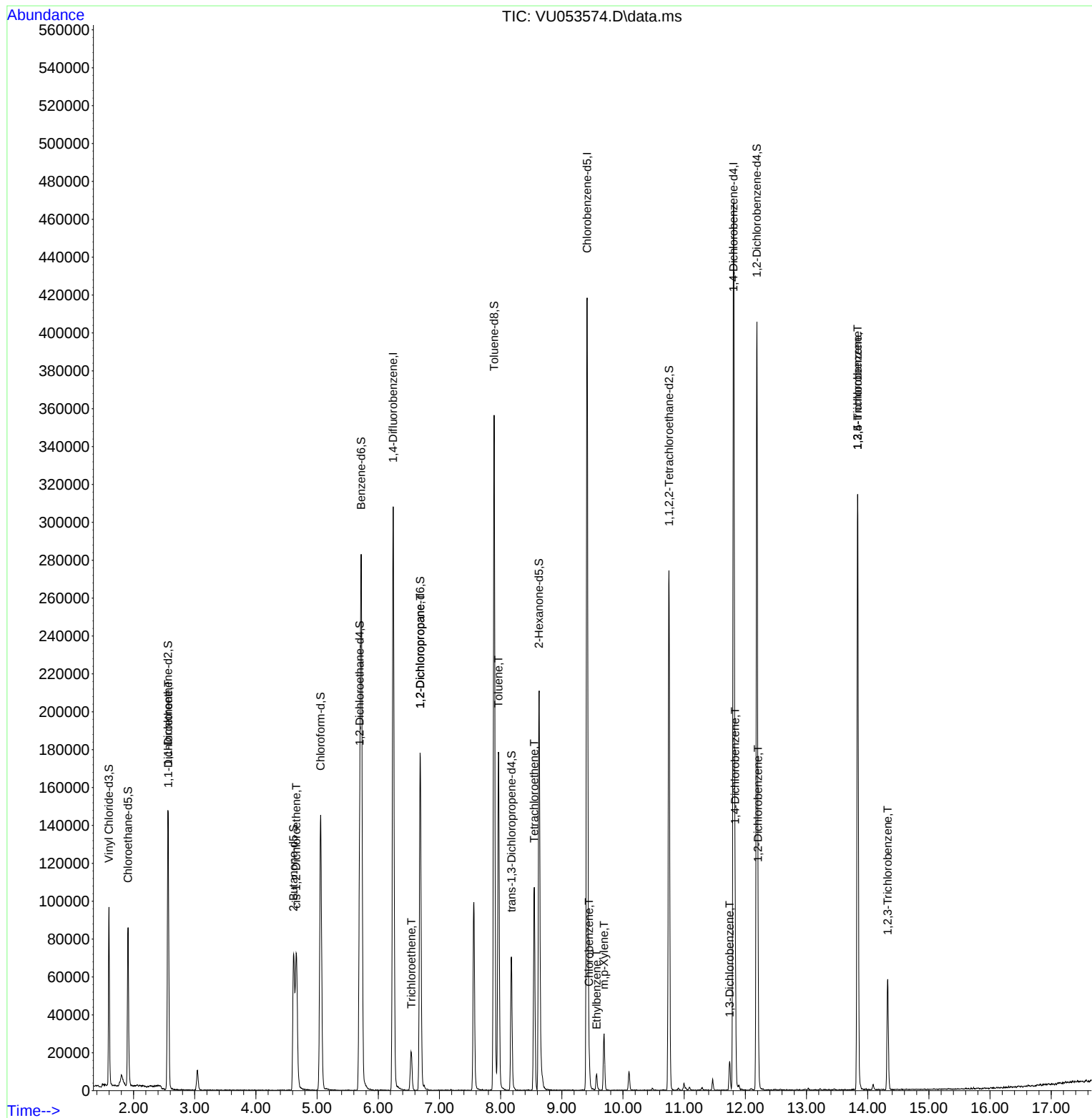
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	262133	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	245668	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	127152	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	67892	33.262	ug/L	0.00
Spiked Amount 50.000	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
12) 1,1-Dichloroethene	2.569	96	888	0.552	ug/L #	1
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
37) 1,2-Dichloropropane	6.684	63	10005	6.156	ug/L #	86
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
69) 1,3,5-Trichlorobenzene	13.835	180	95263	32.749	ug/L	97
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

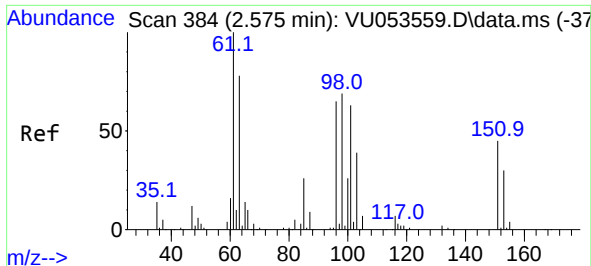
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Apr 01 04:51:17 2023
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.552 ug/L

RT: 2.569 min Scan# 382

Delta R.T. -0.009 min

Lab File: VU053574.D

Acq: 04 Apr 2023 20:17

Instrument :

MSVOA_U

ClientSampleId :

PMW-5(20230329)DL

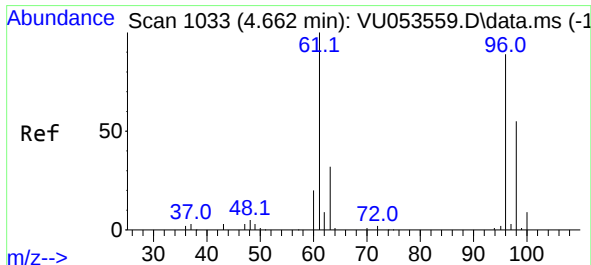
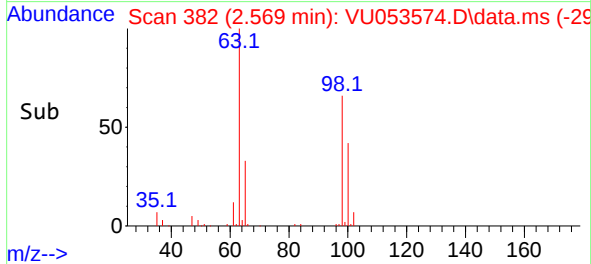
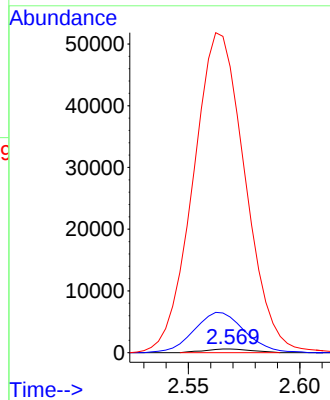
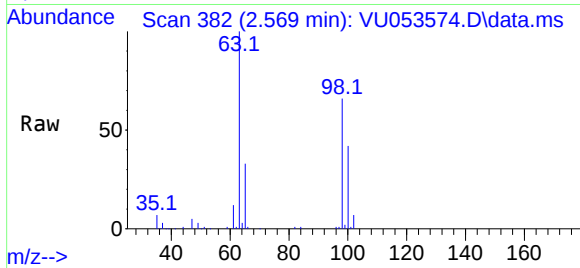
Tgt Ion: 96 Resp: 888

Ion Ratio Lower Upper

96 100

61 965.4 107.9 200.5#

63 7747.2 79.1 146.9#



#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

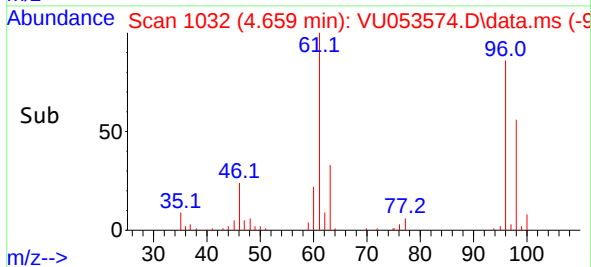
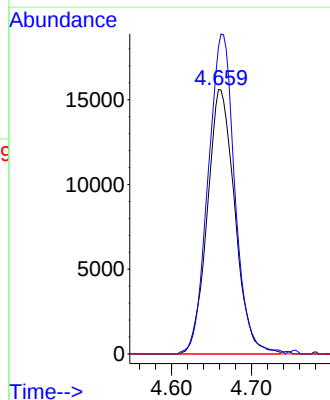
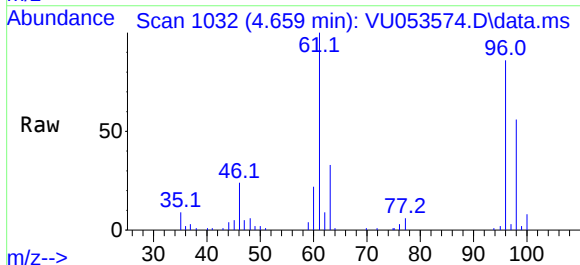
Tgt Ion: 96 Resp: 37367

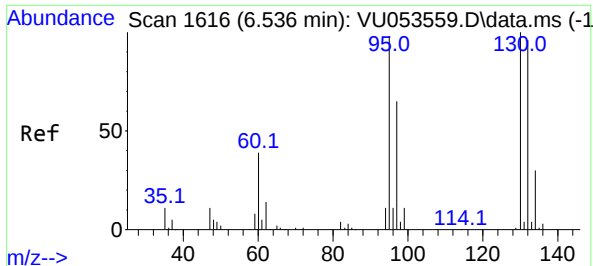
Ion Ratio Lower Upper

96 100

61 115.9 74.7 138.7

68 0.0 0.0 0.0



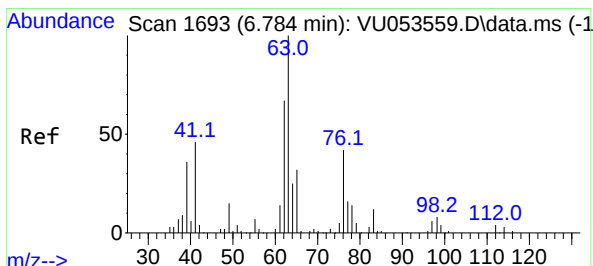
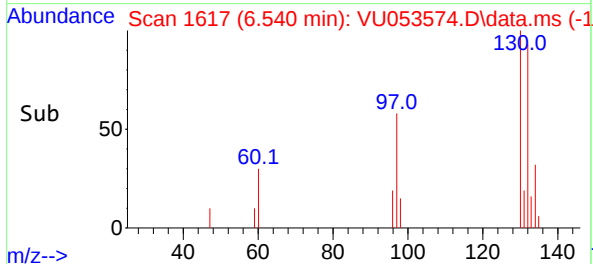
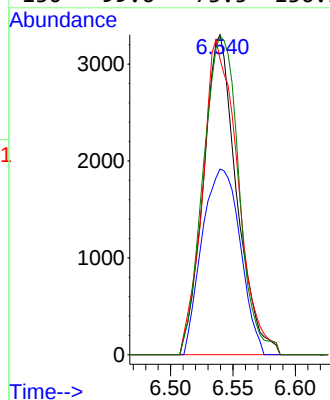
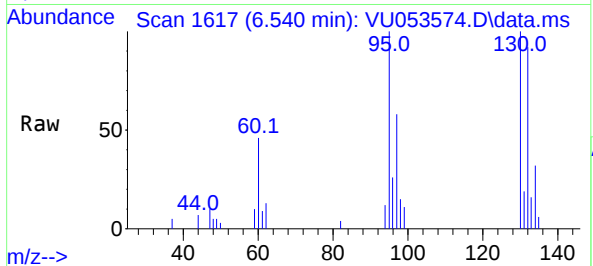


#34
Trichloroethene
Concen: 3.159 ug/L
RT: 6.540 min Scan# 1616
Delta R.T. 0.004 min
Lab File: VU053574.D
Acq: 04 Apr 2023 20:17

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

Tgt Ion: 95 Resp: 6116

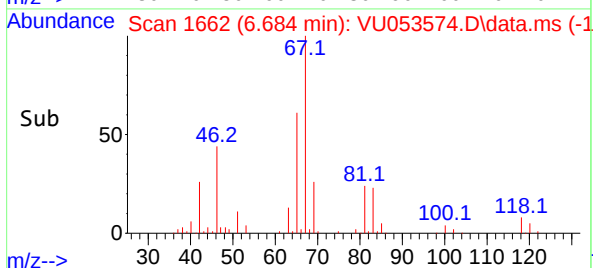
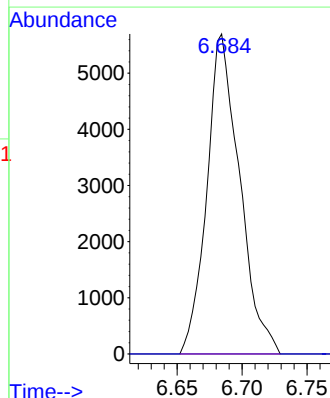
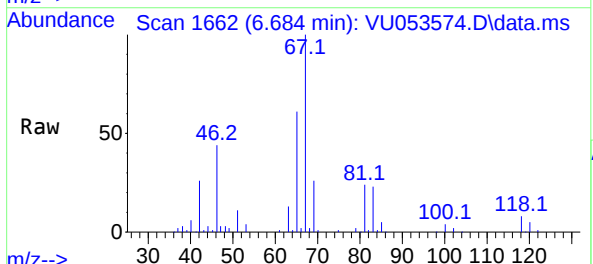
Ion	Ratio	Lower	Upper
95	100		
97	58.0	45.1	83.7
132	92.3	74.1	137.5
130	99.6	73.5	136.5

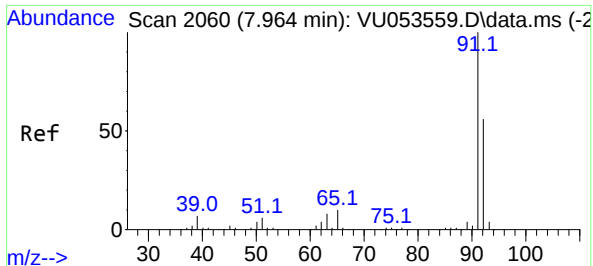


#37
1,2-Dichloropropane
Concen: 6.156 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.099 min
Lab File: VU053574.D
Acq: 04 Apr 2023 20:17

Tgt Ion: 63 Resp: 10005

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.8	5.6

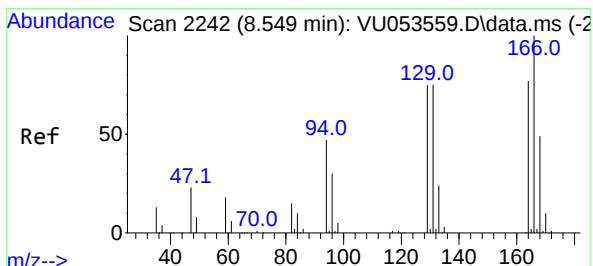
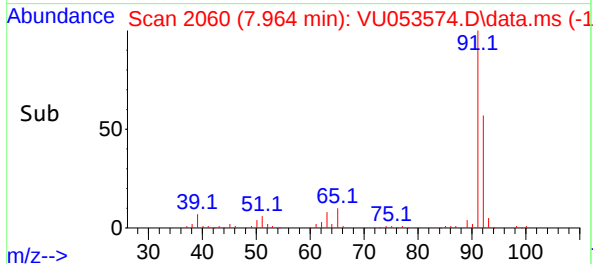
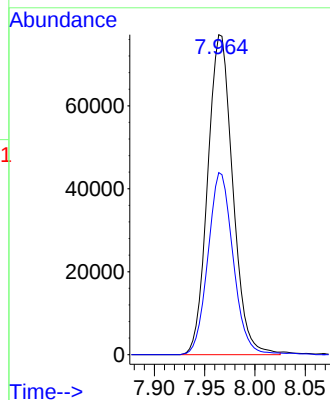
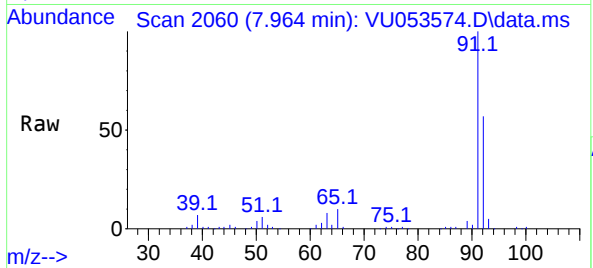




#42
Toluene
Concen: 18.457 ug/L
RT: 7.964 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VU053574.D
Acq: 04 Apr 2023 20:17

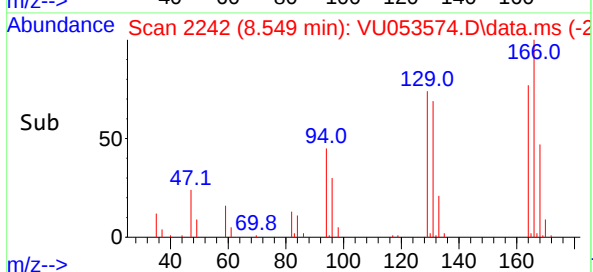
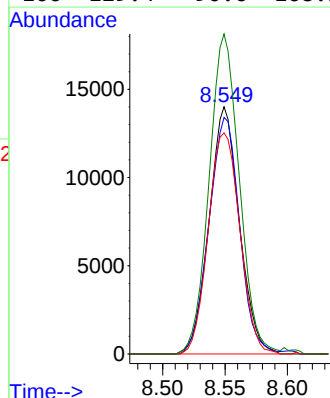
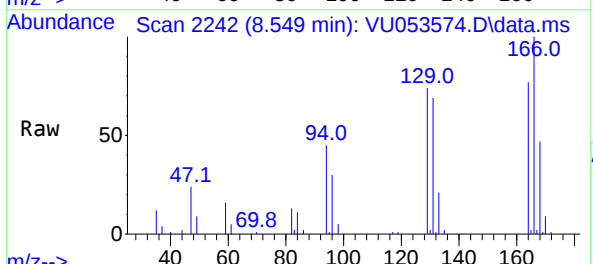
Instrument :
MSVOA_U
ClientSampleId :
PMW-5(20230329)DL

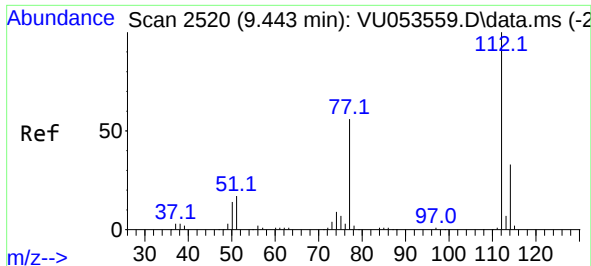
Tgt Ion: 91 Resp: 133878
Ion Ratio Lower Upper
91 100
92 56.9 39.8 73.8



#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# 21

Delta R.T. 0.000 min

Lab File: VU053574.D

Acq: 04 Apr 2023 20:17

Instrument :

MSVOA_U

ClientSampleId :

PMW-5(20230329)DL

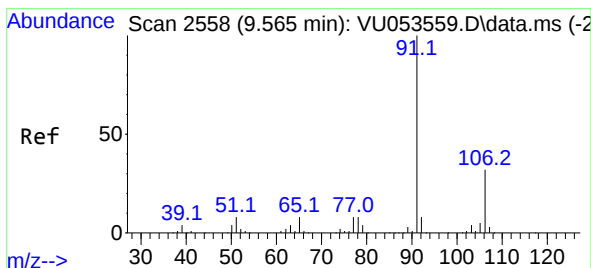
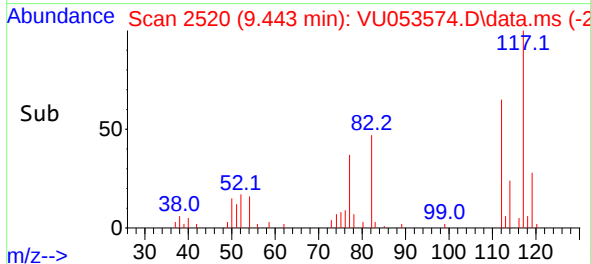
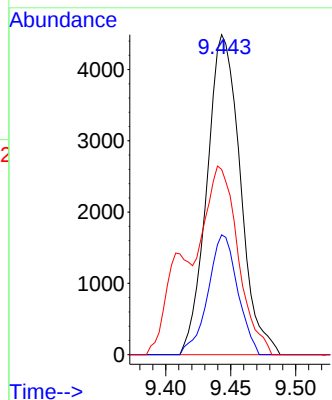
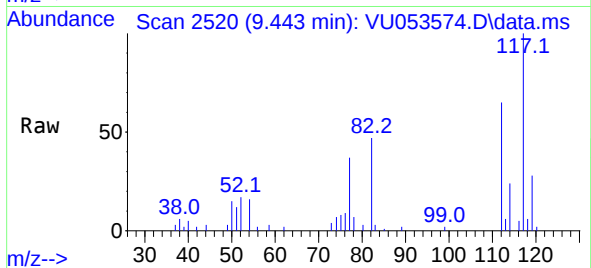
Tgt Ion:112 Resp: 8019

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

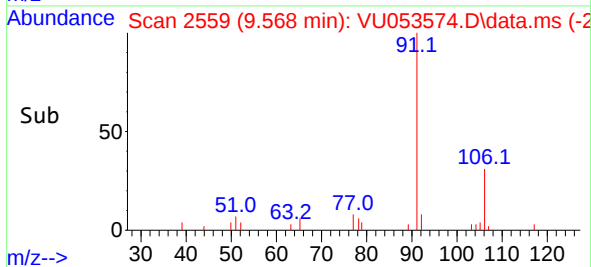
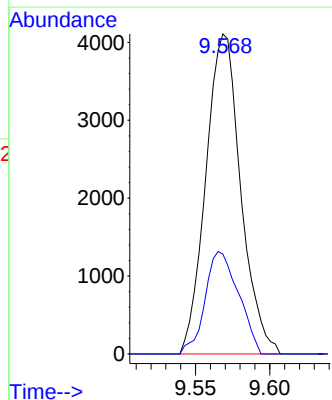
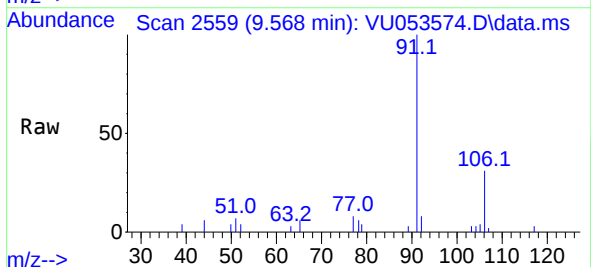
Acq: 04 Apr 2023 20:17

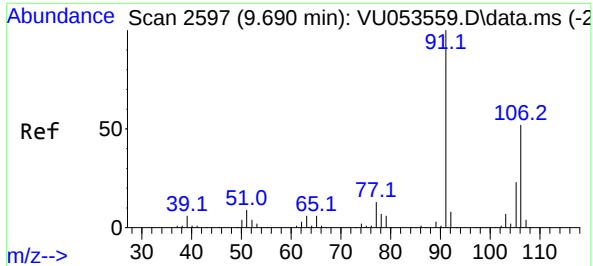
Tgt Ion: 91 Resp: 6722

Ion Ratio Lower Upper

91 100

106 31.2 22.4 41.6

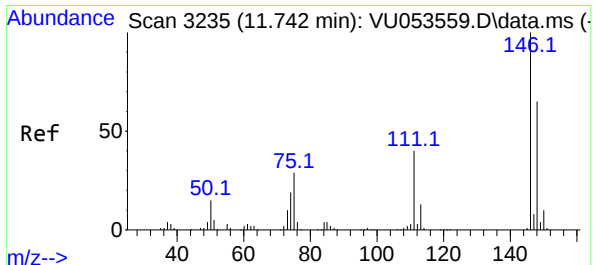
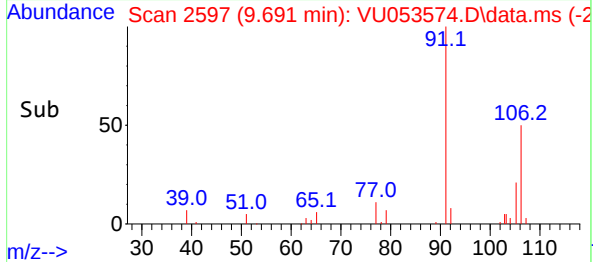
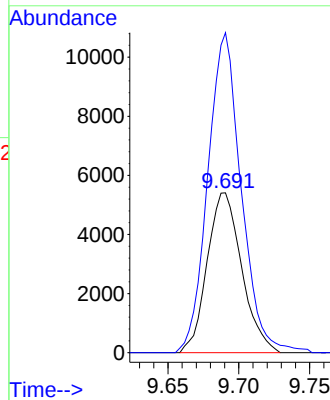
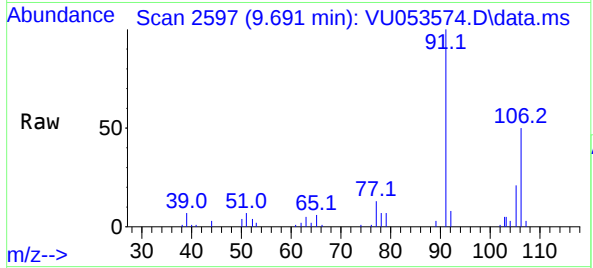




#53
m,p-Xylene
Concen: 2.906 ug/L
RT: 9.691 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053574.D
Acq: 04 Apr 2023 20:17

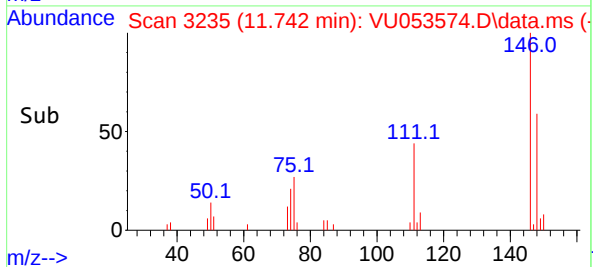
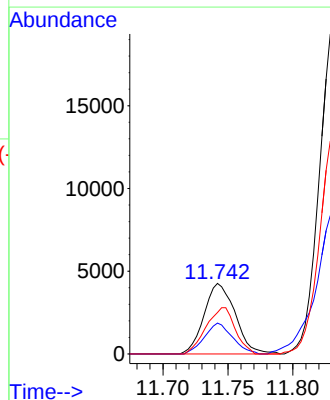
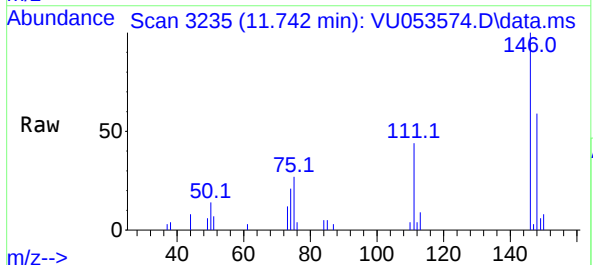
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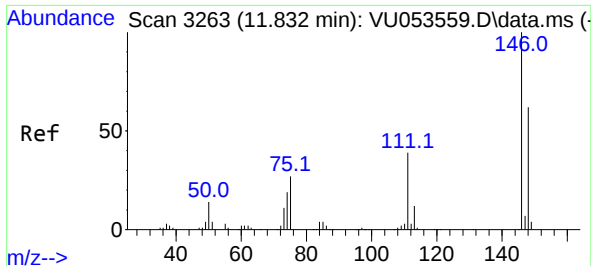
Tgt Ion:106 Resp: 9178
Ion Ratio Lower Upper
106 100
91 200.1 140.0 260.0



#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

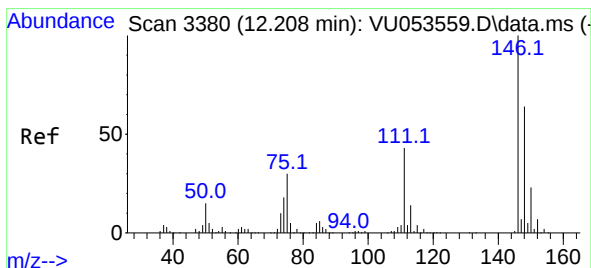
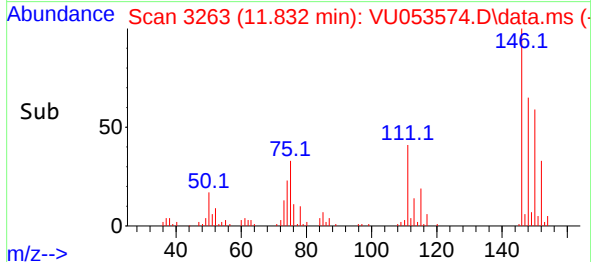
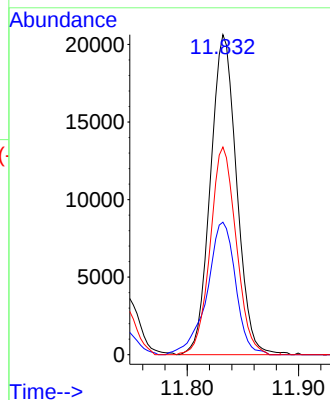
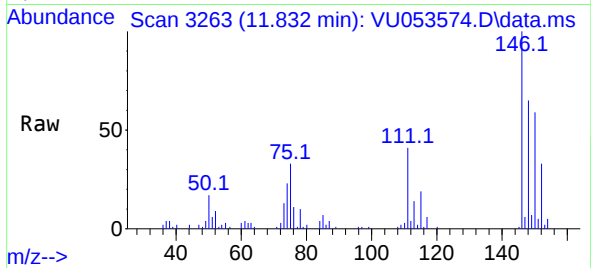




#65
1,4-Dichlorobenzene
Concen: 8.404 ug/L
RT: 11.832 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053574.D
Acq: 04 Apr 2023 20:17

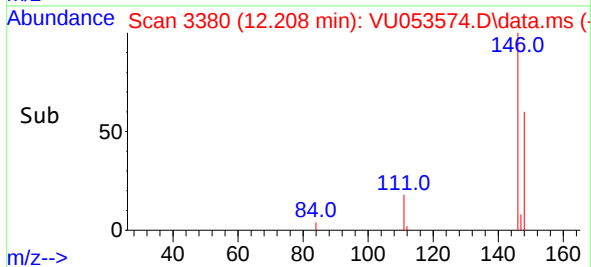
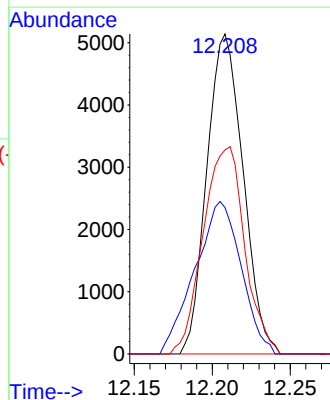
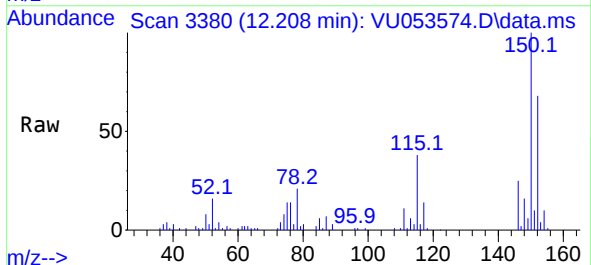
Instrument :
MSVOA_U
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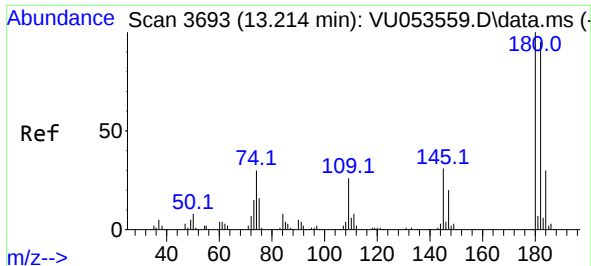
Tgt Ion:146	Resp:	33644
Ion Ratio	Lower	Upper
146	100	
111	41.4	25.1 46.5
148	64.9	44.3 82.3



#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

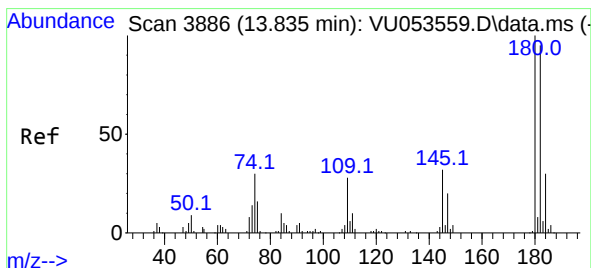
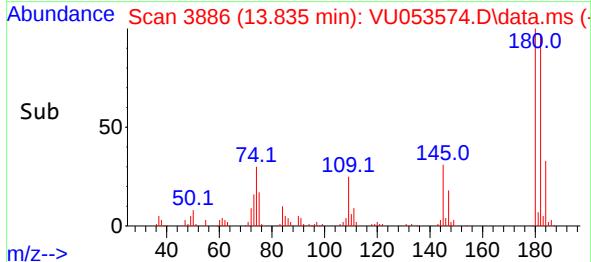
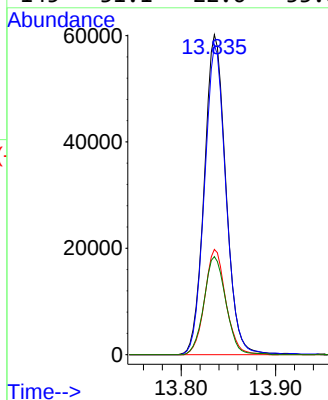
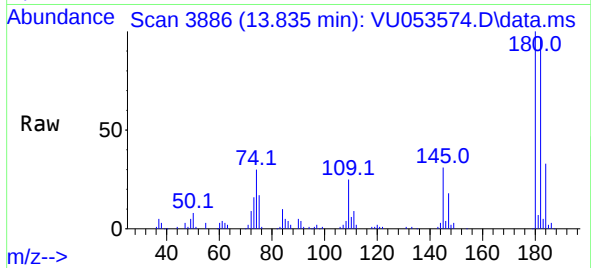




#69
 1,3,5-Trichlorobenzene
 Concen: 32.749 ug/L
 RT: 13.835 min Scan# 31
 Delta R.T. 0.621 min
 Lab File: VU053574.D
 Acq: 04 Apr 2023 20:17

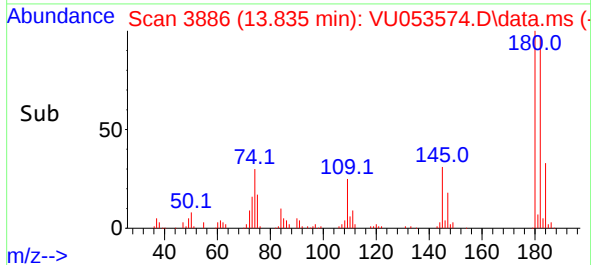
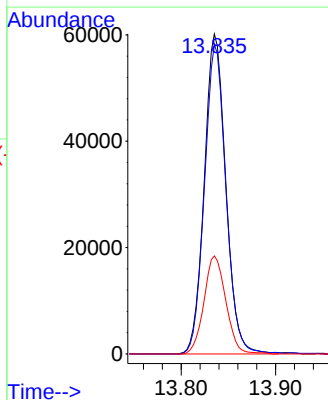
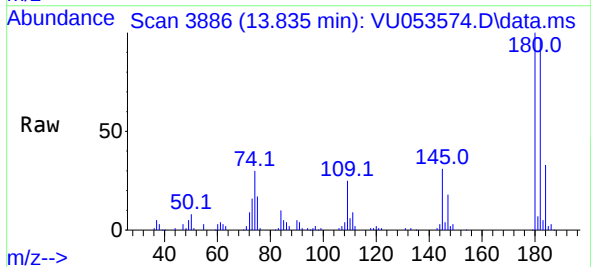
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-5(20230329)DL

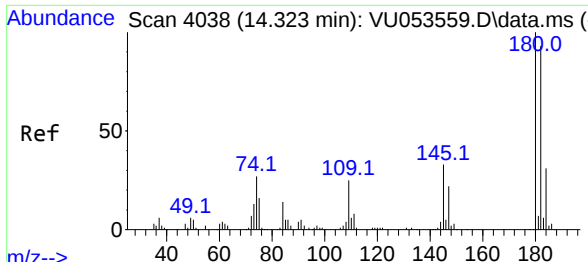
Tgt Ion:180	Resp:	95263
Ion	Ratio	Lower Upper
180	100	
182	96.1	75.6 113.4
184	32.3	24.2 36.2
145	31.1	22.6 33.8



#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

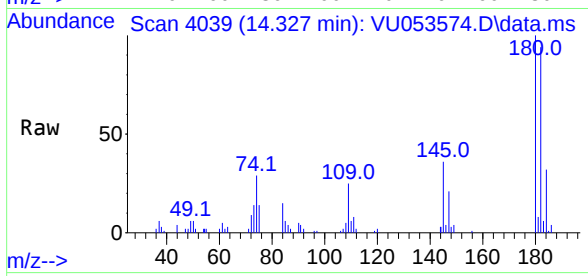
Tgt Ion:180	Resp:	95263
Ion	Ratio	Lower Upper
180	100	
182	96.1	75.8 113.8
145	31.1	23.4 35.2





#72
1,2,3-Trichlorobenzene
Concen: 6.785 ug/L
RT: 14.327 min Scan# 4038
Delta R.T. 0.004 min
Lab File: VU053574.D
Acq: 04 Apr 2023 20:17

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



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

