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 Data File : VU053533.D
 Acq On : 03 Apr 2023 20:24
 Operator : JC/MD
 Sample : 02158-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

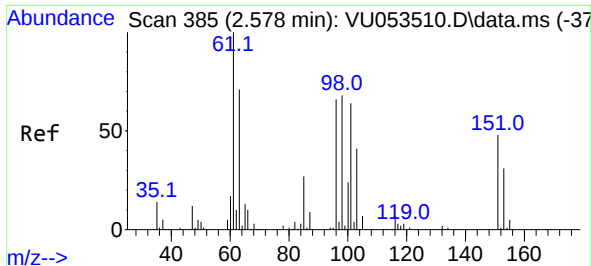
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-10(20230329)

Quant Time: Apr 04 05:19:39 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	6.243	114	265755	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	250251	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	129439	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	95389	46.097	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.200%		
7) Chloroethane-d5	1.909	69	79379	49.752	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.500%		
11) 1,1-Dichloroethene-d2	2.565	63	114423	35.721	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.440%		
21) 2-Butanone-d5	4.613	46	110367	117.800	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	117.800%		
24) Chloroform-d	5.057	84	162973	47.621	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.240%		
26) 1,2-Dichloroethane-d4	5.697	65	104806	51.827	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.660%		
32) Benzene-d6	5.722	84	336174	49.767	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.540%		
36) 1,2-Dichloropropane-d6	6.687	67	103659	50.206	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.420%		
41) Toluene-d8	7.893	98	310276	46.214	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.420%		
43) trans-1,3-Dichloroprop...	8.176	79	52108	48.892	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.780%		
47) 2-Hexanone-d5	8.626	63	85724	121.655	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	121.650%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	151913	52.203	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	104.400%		
66) 1,2-Dichlorobenzene-d4	12.188	152	126998	47.004	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.000%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1225	0.669	ug/L #	17
12) 1,1-Dichloroethene	2.565	96	1007	0.618	ug/L #	1
19) 1,1-Dichloroethane	3.867	63	17258	6.357	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	9465	5.000	ug/L	77
34) Trichloroethene	6.539	95	2315	1.174	ug/L	92
39) cis-1,3-Dichloropropene	7.558	75	3321	1.228	ug/L	91
42) Toluene	7.967	91	21740	2.942	ug/L	97
44) trans-1,3-Dichloropropene	8.176	75	2387	0.933	ug/L	98
46) Tetrachloroethene	8.545	164	9686	5.919	ug/L	95
51) Chlorobenzene	9.442	112	4106	0.807	ug/L	92
64) 1,3-Dichlorobenzene	11.745	146	3393	0.849	ug/L	95
65) 1,4-Dichlorobenzene	11.831	146	15191	3.727	ug/L	90
69) 1,3,5-Trichlorobenzene	13.838	180	84855	28.656	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	84855	30.908	ug/L	97
72) 1,2,3-Trichlorobenzene	14.327	180	14240	5.193	ug/L	98

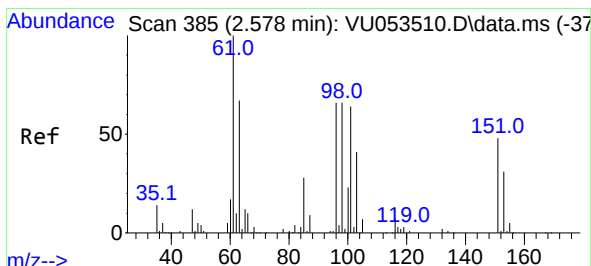
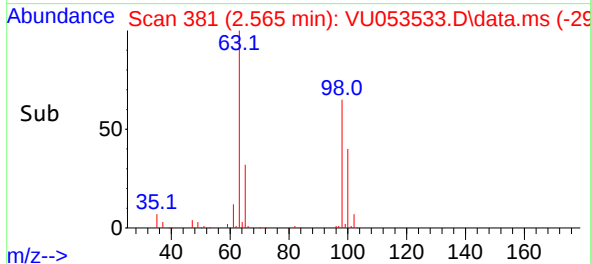
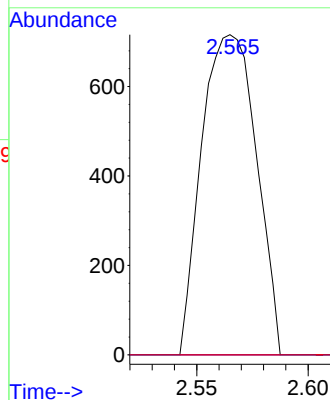
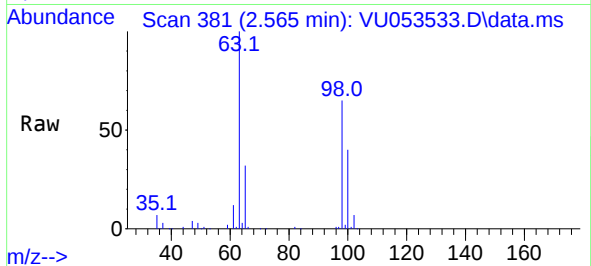
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.669 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.013 min
Lab File: VU053533.D
Acq: 03 Apr 2023 20:24

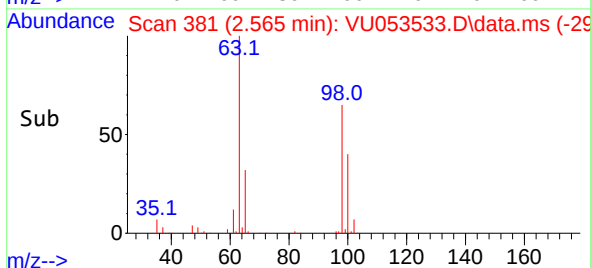
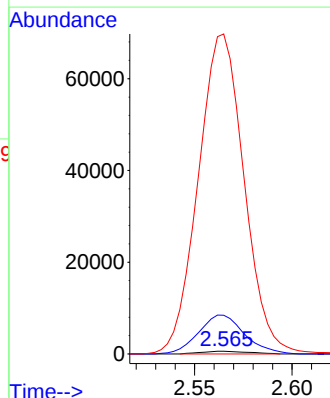
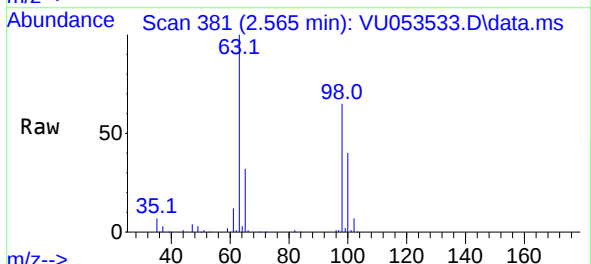
Instrument :
MSVOA_U
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PMW-10(20230329)

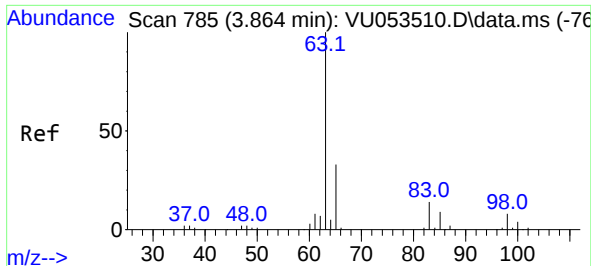
Tgt Ion:101 Resp: 1225
Ion Ratio Lower Upper
101 100
85 0.0 32.6 48.8#
151 0.0 65.8 98.6#



#12
1,1-Dichloroethene
Concen: 0.618 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.013 min
Lab File: VU053533.D
Acq: 03 Apr 2023 20:24

Tgt Ion: 96 Resp: 1007
Ion Ratio Lower Upper
96 100
61 1394.4 107.9 200.5#
63 11511.6 79.1 146.9#





#19

1,1-Dichloroethane

Concen: 6.357 ug/L

RT: 3.867 min Scan# 785

Delta R.T. 0.003 min

Lab File: VU053533.D

Acq: 03 Apr 2023 20:24

Instrument :

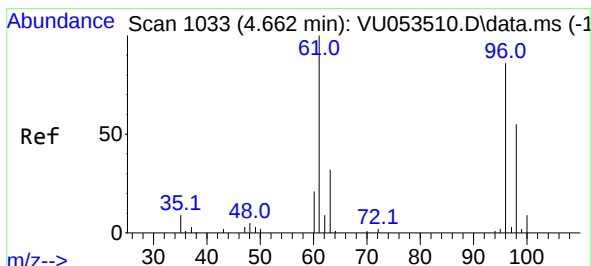
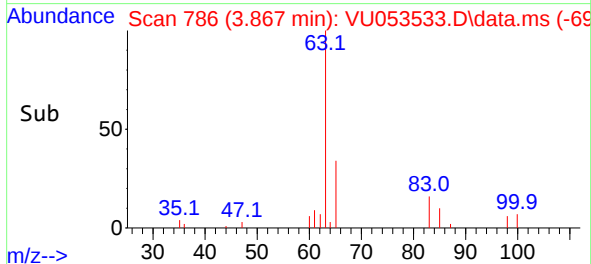
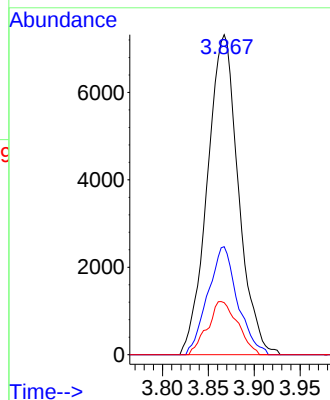
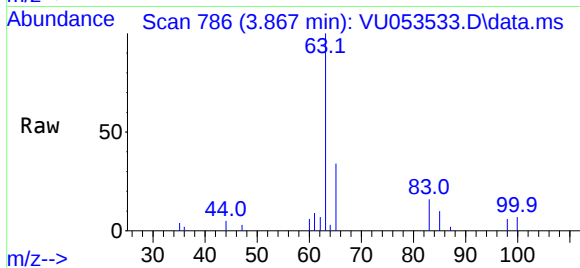
MSVOA_U

ClientSampleId :

PMW-10(20230329)

Tgt Ion: 63 Resp: 17258

Ion	Ratio	Lower	Upper
63	100		
65	33.7	22.0	41.0
83	16.3	10.8	20.0



#20

cis-1,2-Dichloroethene

Concen: 5.000 ug/L

RT: 4.665 min Scan# 1034

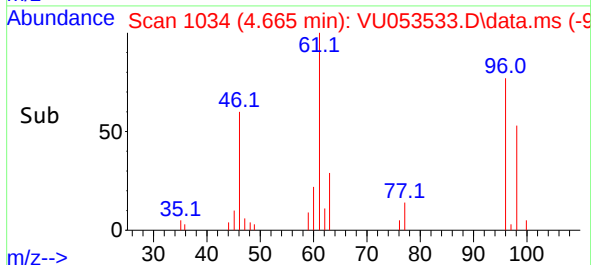
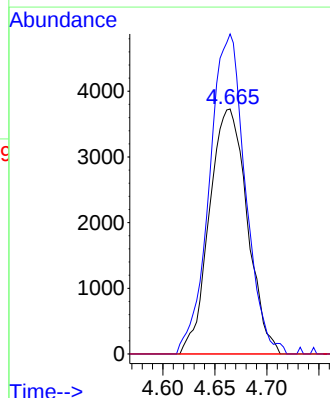
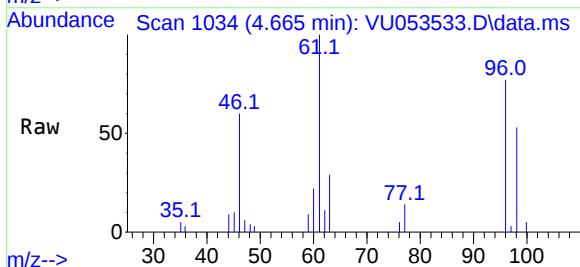
Delta R.T. 0.003 min

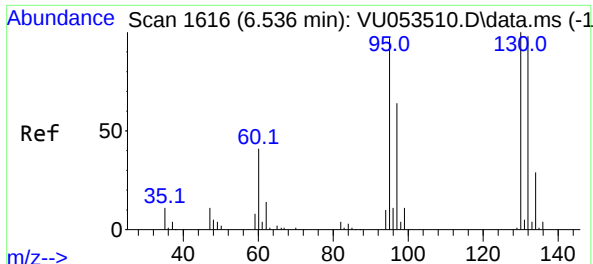
Lab File: VU053533.D

Acq: 03 Apr 2023 20:24

Tgt Ion: 96 Resp: 9465

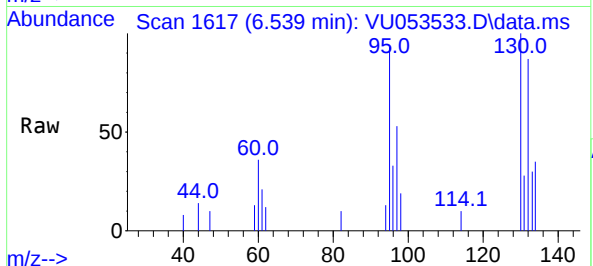
Ion	Ratio	Lower	Upper
96	100		
61	130.6	74.7	138.7
68	0.0	0.0	0.0



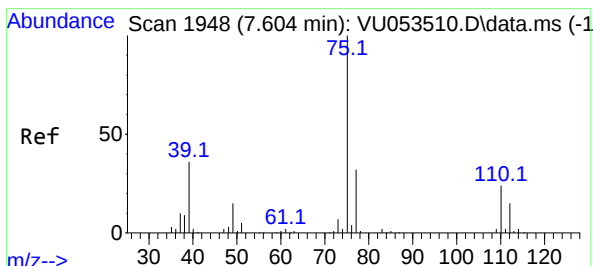
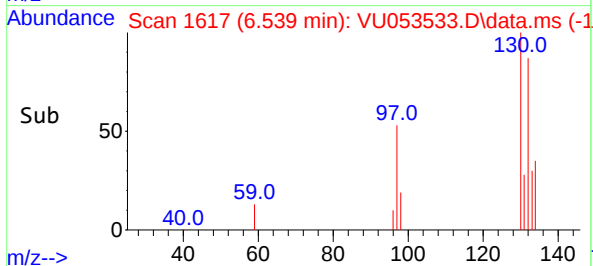
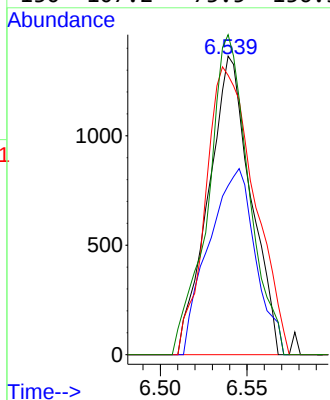


#34
Trichloroethene
Concen: 1.174 ug/L
RT: 6.539 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU053533.D
Acq: 03 Apr 2023 20:24

Instrument :
MSVOA_U
ClientSampleId :
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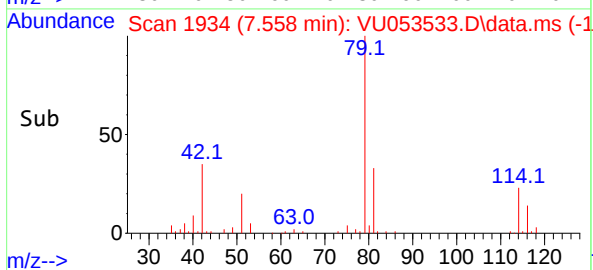
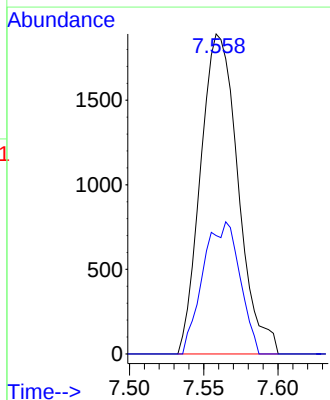
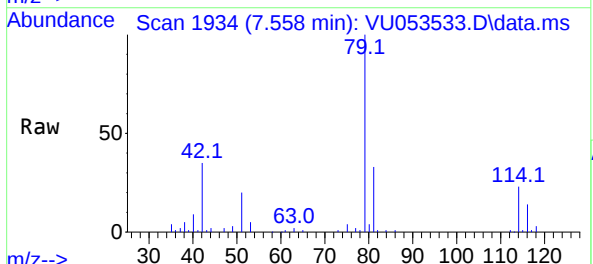


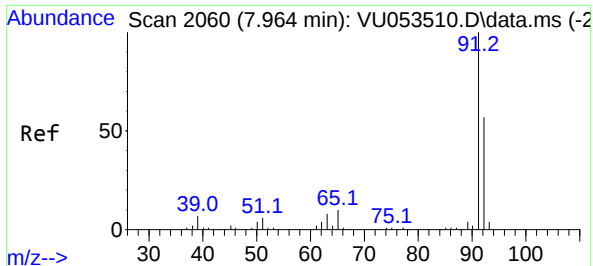
Tgt Ion: 95 Resp: 2315
Ion Ratio Lower Upper
95 100
97 56.6 45.1 83.7
132 93.5 74.1 137.5
130 107.2 73.5 136.5



#39
cis-1,3-Dichloropropene
Concen: 1.228 ug/L
RT: 7.558 min Scan# 1934
Delta R.T. -0.042 min
Lab File: VU053533.D
Acq: 03 Apr 2023 20:24

Tgt Ion: 75 Resp: 3321
Ion Ratio Lower Upper
75 100
77 37.0 22.5 41.7

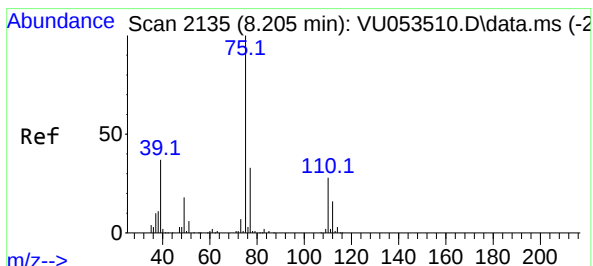
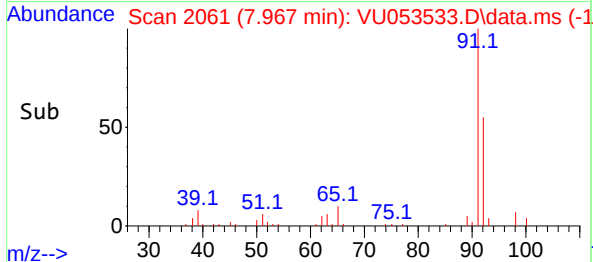
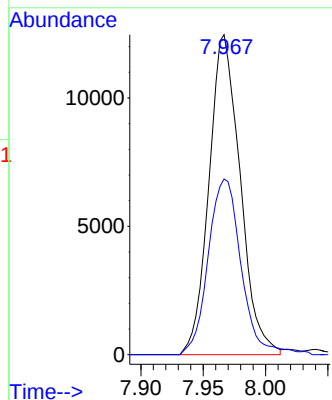
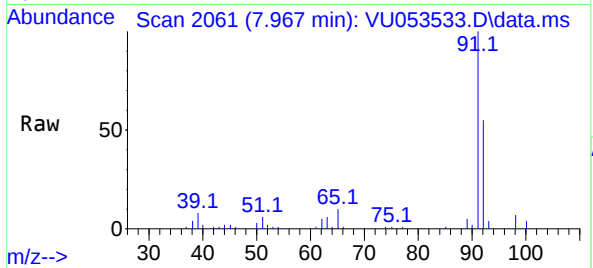




#42
Toluene
Concen: 2.942 ug/L
RT: 7.967 min Scan# 2060
Delta R.T. 0.003 min
Lab File: VU053533.D
Acq: 03 Apr 2023 20:24

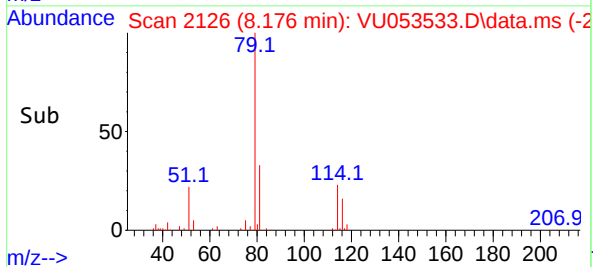
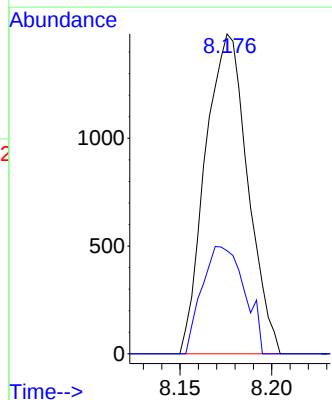
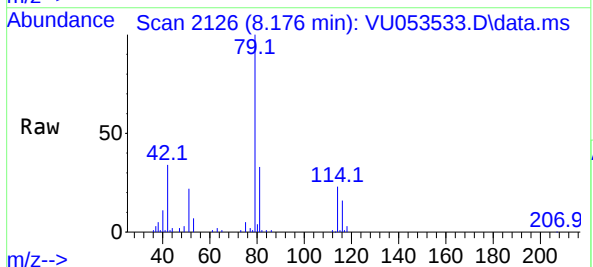
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ClientSampleId :
PMW-10(20230329)

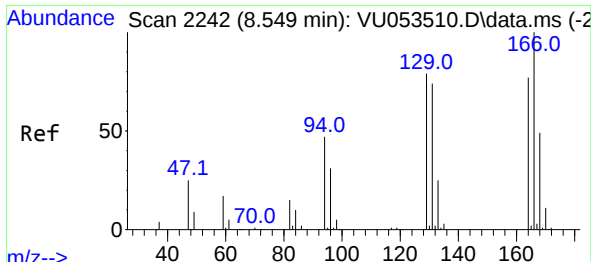
Tgt Ion: 91 Resp: 21740
Ion Ratio Lower Upper
91 100
92 54.9 39.8 73.8



#44
trans-1,3-Dichloropropene
Concen: 0.933 ug/L
RT: 8.176 min Scan# 2126
Delta R.T. -0.029 min
Lab File: VU053533.D
Acq: 03 Apr 2023 20:24

Tgt Ion: 75 Resp: 2387
Ion Ratio Lower Upper
75 100
77 32.2 21.8 40.4



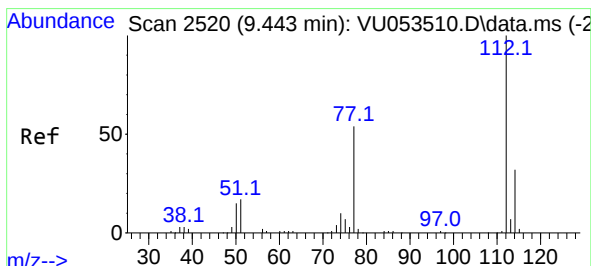
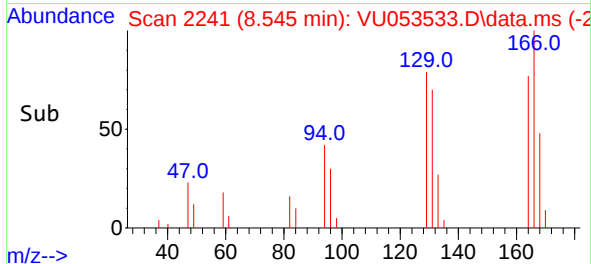
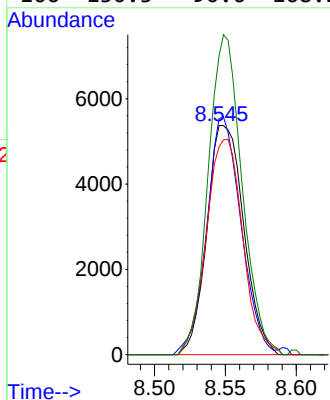
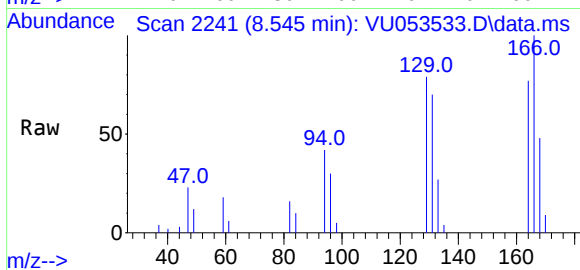


#46
Tetrachloroethene
Concen: 5.919 ug/L
RT: 8.545 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053533.D
Acq: 03 Apr 2023 20:24

Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)

Tgt Ion:164 Resp: 9686

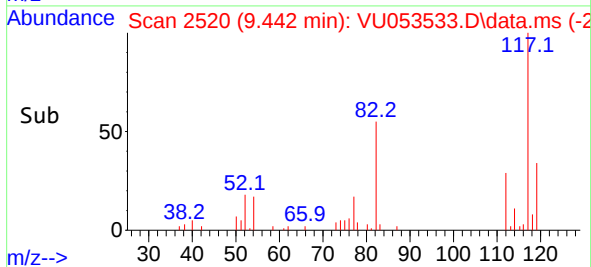
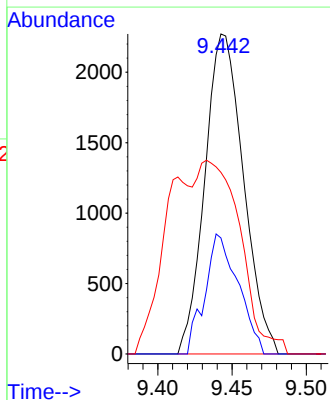
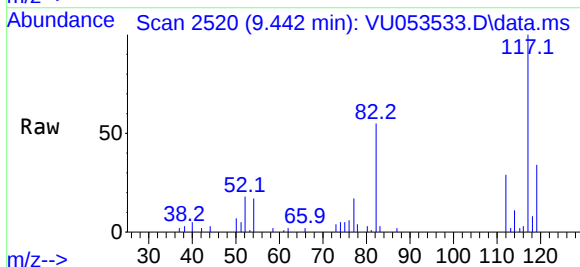
Ion	Ratio	Lower	Upper
164	100		
129	102.9	64.0	119.0
131	90.6	61.9	115.1
166	130.3	90.6	168.2

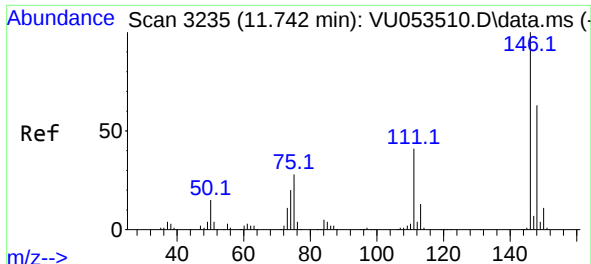


#51
Chlorobenzene
Concen: 0.807 ug/L
RT: 9.442 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053533.D
Acq: 03 Apr 2023 20:24

Tgt Ion:112 Resp: 4106

Ion	Ratio	Lower	Upper
112	100		
114	36.3	22.2	41.2
77	56.7	41.3	61.9

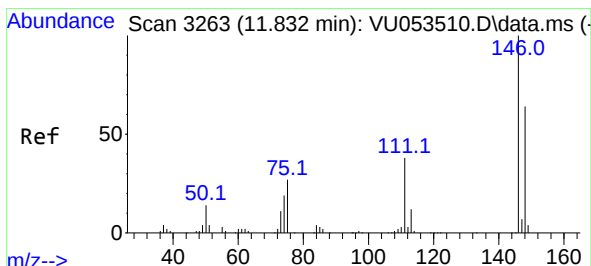
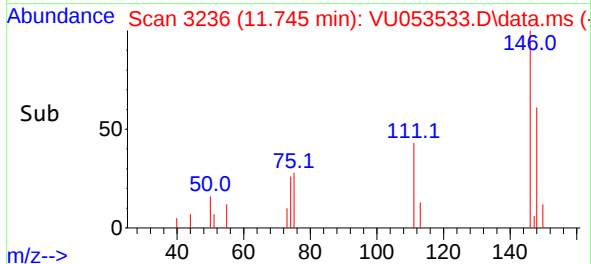
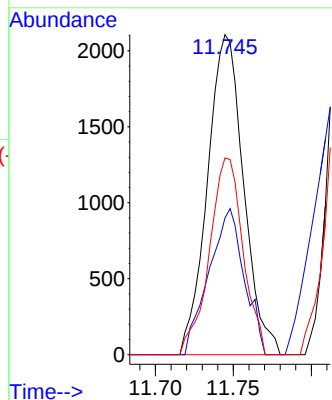
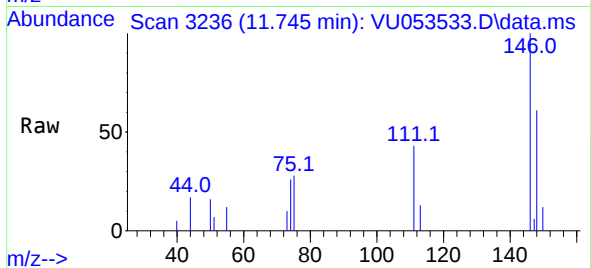




#64
1,3-Dichlorobenzene
Concen: 0.849 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053533.D
Acq: 03 Apr 2023 20:24

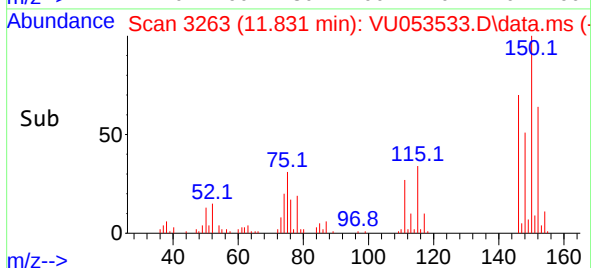
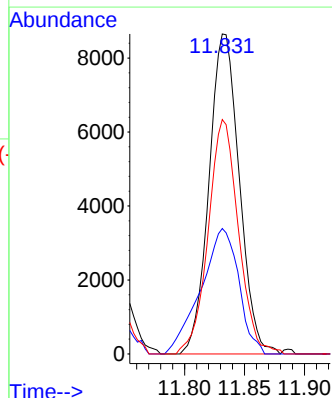
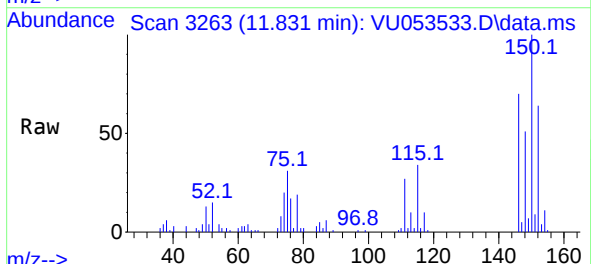
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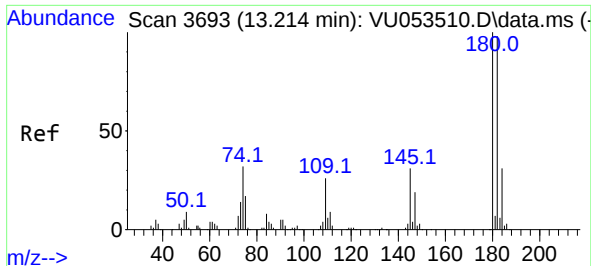
Tgt Ion:146 Resp: 3393
Ion Ratio Lower Upper
146 100
111 42.7 25.7 47.7
148 61.5 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 3.727 ug/L
RT: 11.831 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053533.D
Acq: 03 Apr 2023 20:24

Tgt Ion:146 Resp: 15191
Ion Ratio Lower Upper
146 100
111 39.2 25.1 46.5
148 73.2 44.3 82.3





#69

1,3,5-Trichlorobenzene

Concen: 28.656 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.624 min

Lab File: VU053533.D

Acq: 03 Apr 2023 20:24

Instrument :

MSVOA_U

ClientSampleId :

PMW-10(20230329)

Tgt Ion:180 Resp: 84855

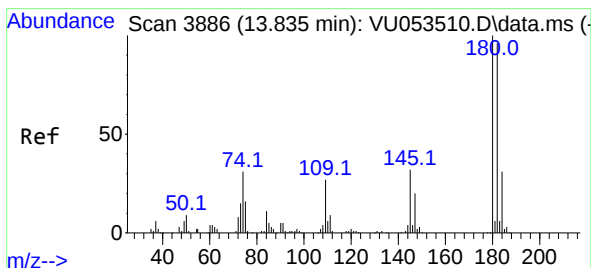
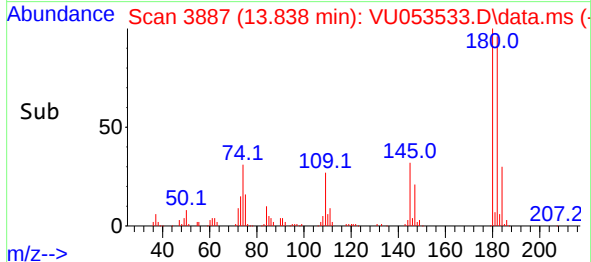
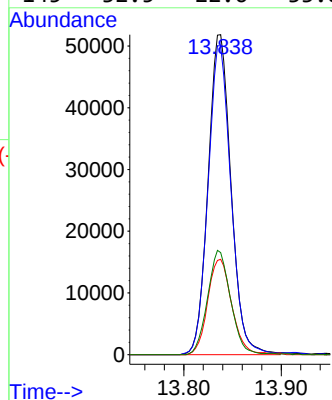
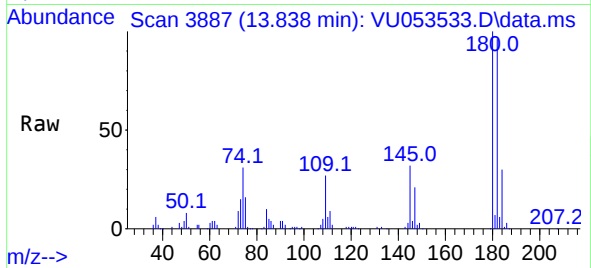
Ion Ratio Lower Upper

180 100

182 96.5 75.6 113.4

184 31.0 24.2 36.2

145 32.5 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 30.908 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU053533.D

Acq: 03 Apr 2023 20:24

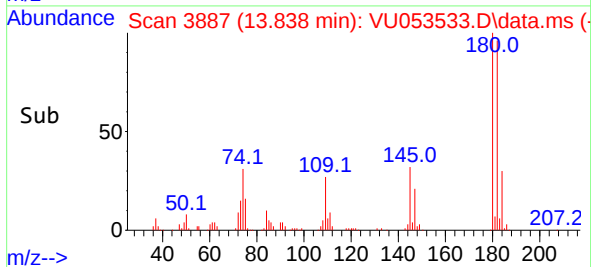
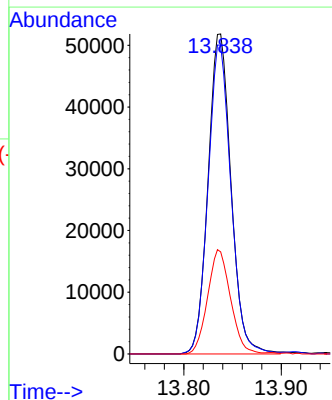
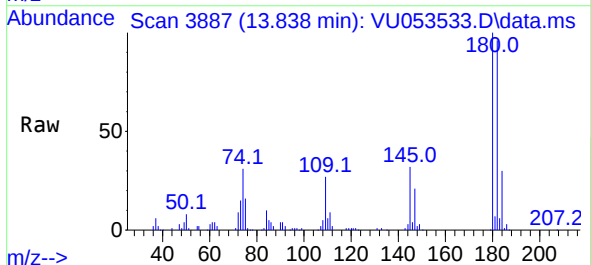
Tgt Ion:180 Resp: 84855

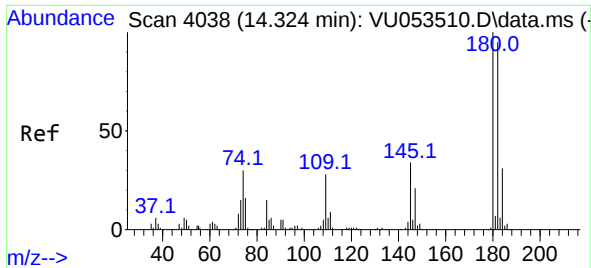
Ion Ratio Lower Upper

180 100

182 96.5 75.8 113.8

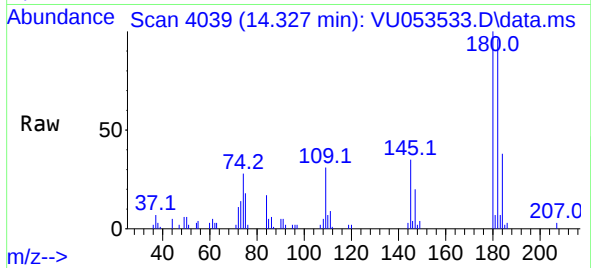
145 32.5 23.4 35.2





#72
 1,2,3-Trichlorobenzene
 Concen: 5.193 ug/L
 RT: 14.327 min Scan# 4039
 Delta R.T. 0.003 min
 Lab File: VU053533.D
 Acq: 03 Apr 2023 20:24

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-10(20230329)



Tgt Ion:	180	Resp:	14240
Ion	Ratio	Lower	Upper
180	100		
182	97.9	77.0	115.6
145	33.9	25.4	38.0

