

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053541.D
 Acq On : 04 Apr 2023 00:21
 Operator : JC/MD
 Sample : 02158-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-9D(20230330)

Quant Time: Apr 04 06:58:06 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

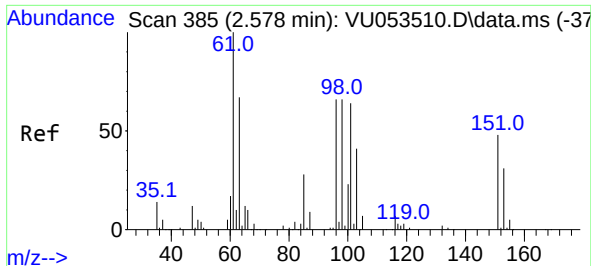
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	262897	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	242503	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	134346	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	89943	43.937	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.880%		
7) Chloroethane-d5	1.909	69	76746	48.624	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.240%		
11) 1,1-Dichloroethene-d2	2.565	63	113120	35.698	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.400%		
21) 2-Butanone-d5	4.613	46	107470	115.955	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	115.950%		
24) Chloroform-d	5.057	84	157929	46.649	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.300%		
26) 1,2-Dichloroethane-d4	5.697	65	101575	50.775	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.540%		
32) Benzene-d6	5.722	84	322957	49.338	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.680%		
36) 1,2-Dichloropropane-d6	6.684	67	102452	51.207	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.420%		
41) Toluene-d8	7.893	98	304848	46.857	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.720%		
43) trans-1,3-Dichloroprop...	8.173	79	49730	48.152	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.300%		
47) 2-Hexanone-d5	8.626	63	83664	122.525	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	122.520%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	146992	52.126	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	104.260%		
66) 1,2-Dichlorobenzene-d4	12.188	152	131006	46.716	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.440%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.562	96	873	0.541	ug/L #	1
37) 1,2-Dichloropropane	6.684	63	11172	6.964	ug/L #	86
44) trans-1,3-Dichloropropene	8.176	75	2296	0.926	ug/L #	77
46) Tetrachloroethene	8.555	164	1932	1.218	ug/L	83
49) Dibromochloromethane	8.549	129	1797	0.981	ug/L #	11
51) Chlorobenzene	9.443	112	230547	46.732	ug/L	95
60) 1,2,3-Trichloropropane	11.742	75	110385	56.667	ug/L #	48
64) 1,3-Dichlorobenzene	11.742	146	384759	92.705	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	1048664	247.910	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	121163	29.291	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	4078073	1431.144	ug/L	98
72) 1,2,3-Trichlorobenzene	14.323	180	230058	80.832	ug/L	97

(#) = 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: 0.541 ug/L

RT: 2.562 min Scan# 31

Delta R.T. -0.016 min

Lab File: VU053541.D

Acq: 04 Apr 2023 00:21

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MSVOA_U

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PMW-9D(20230330)

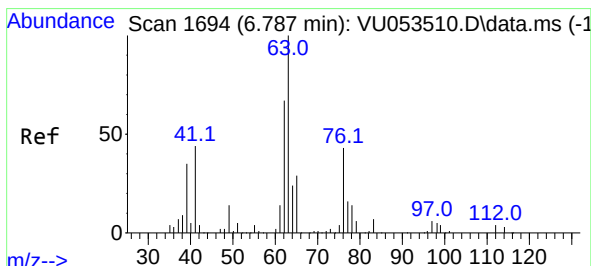
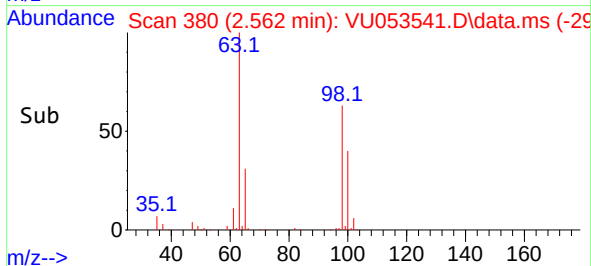
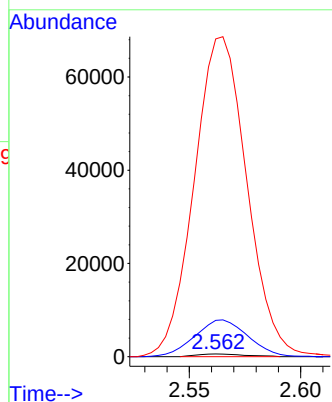
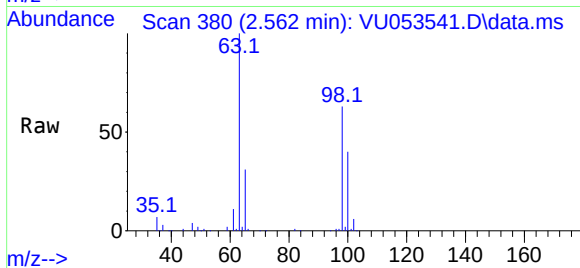
Tgt Ion: 96 Resp: 873

Ion Ratio Lower Upper

96 100

61 1350.9 107.9 200.5#

63 11831.9 79.1 146.9#



#37

1,2-Dichloropropane

Concen: 6.964 ug/L

RT: 6.684 min Scan# 1662

Delta R.T. -0.100 min

Lab File: VU053541.D

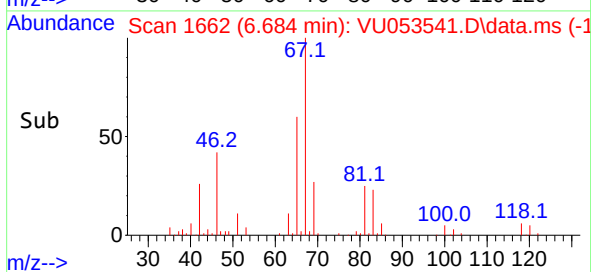
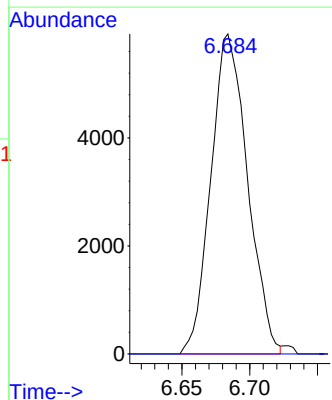
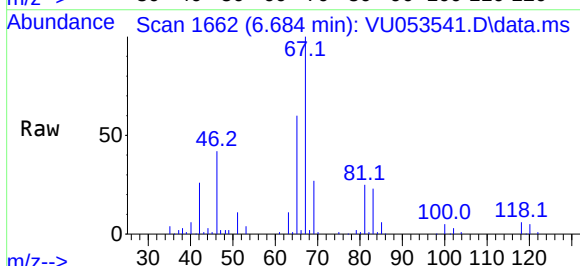
Acq: 04 Apr 2023 00:21

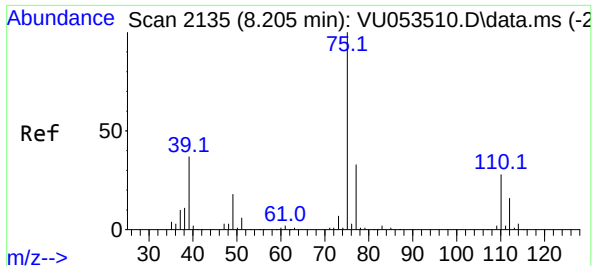
Tgt Ion: 63 Resp: 11172

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#

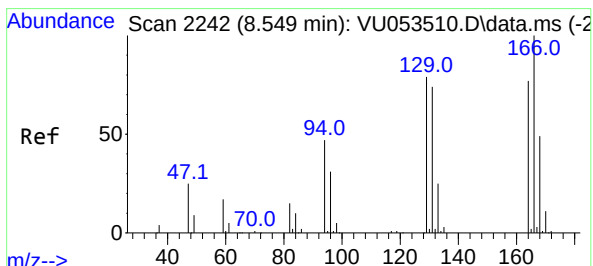
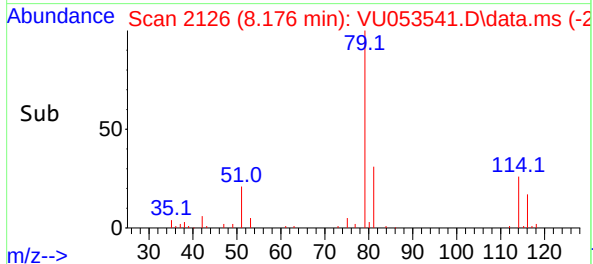
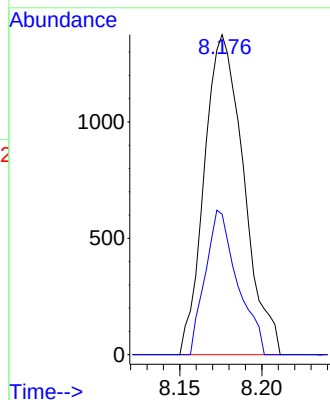
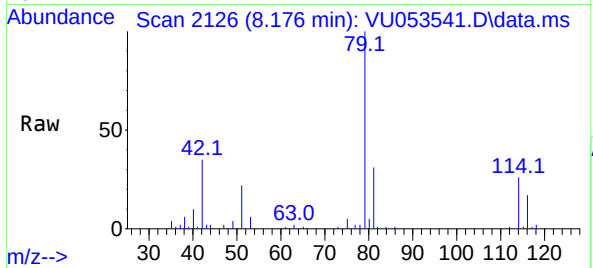




#44
trans-1,3-Dichloropropene
Concen: 0.926 ug/L
RT: 8.176 min Scan# 2135
Delta R.T. -0.029 min
Lab File: VU053541.D
Acq: 04 Apr 2023 00:21

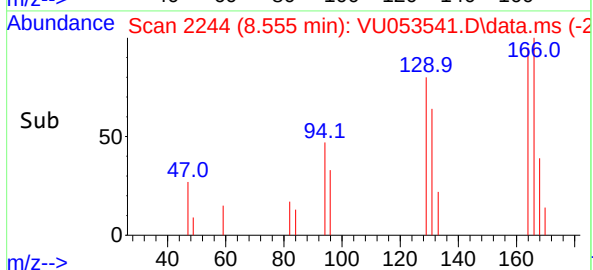
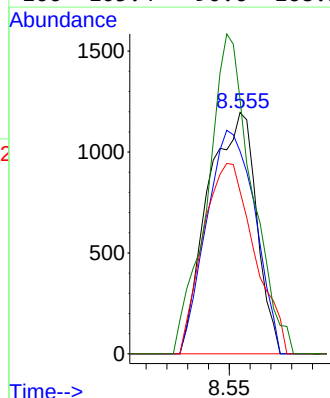
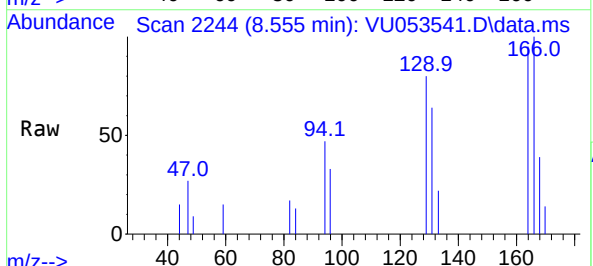
Instrument :
MSVOA_U
ClientSampleId :
PMW-9D(20230330)

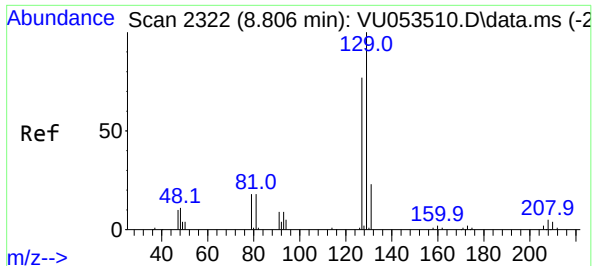
Tgt Ion: 75 Resp: 2296
Ion Ratio Lower Upper
75 100
77 43.9 21.8 40.4#



#46
Tetrachloroethene
Concen: 1.218 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.006 min
Lab File: VU053541.D
Acq: 04 Apr 2023 00:21

Tgt Ion:164 Resp: 1932
Ion Ratio Lower Upper
164 100
129 83.9 64.0 119.0
131 67.3 61.9 115.1
166 105.4 90.6 168.2





#49

Dibromochloromethane

Concen: 0.981 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU053541.D

Acq: 04 Apr 2023 00:21

Instrument :

MSVOA_U

ClientSampleId :

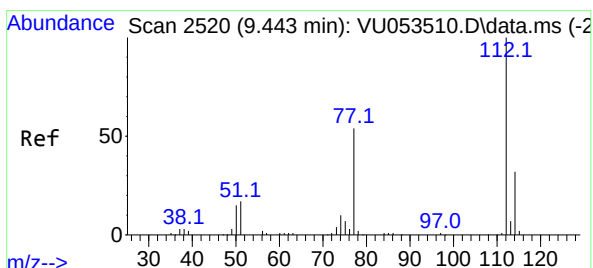
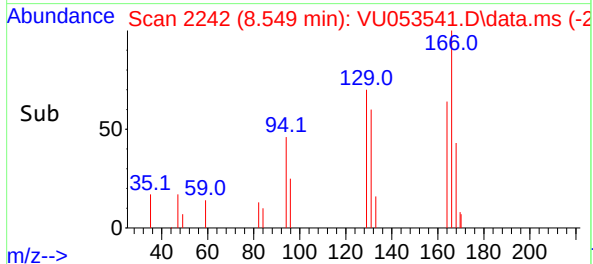
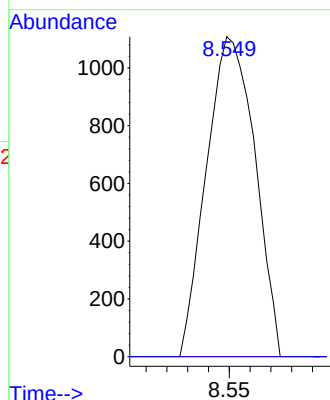
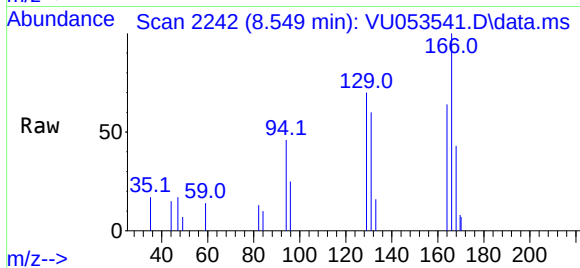
PMW-9D(20230330)

Tgt Ion:129 Resp: 1797

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#51

Chlorobenzene

Concen: 46.732 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053541.D

Acq: 04 Apr 2023 00:21

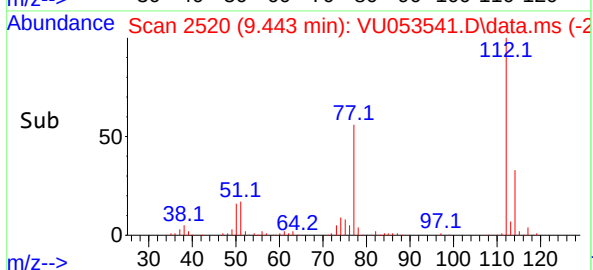
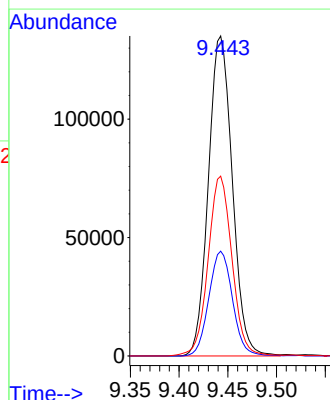
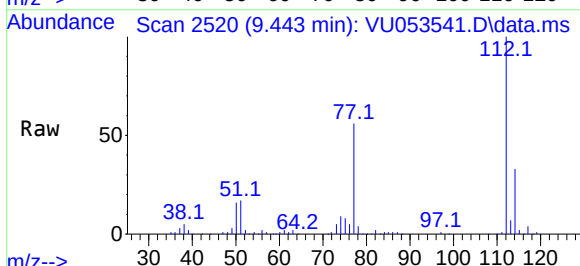
Tgt Ion:112 Resp: 230547

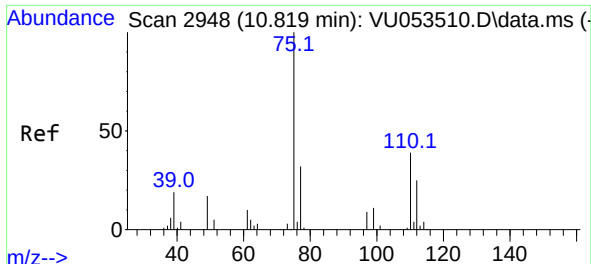
Ion Ratio Lower Upper

112 100

114 32.8 22.2 41.2

77 56.2 41.3 61.9

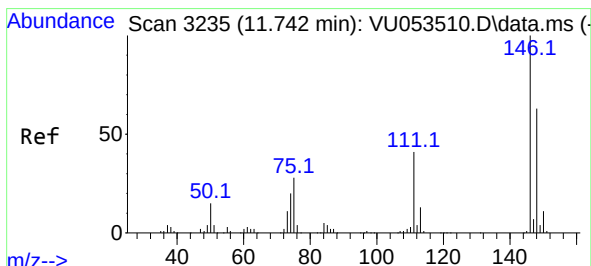
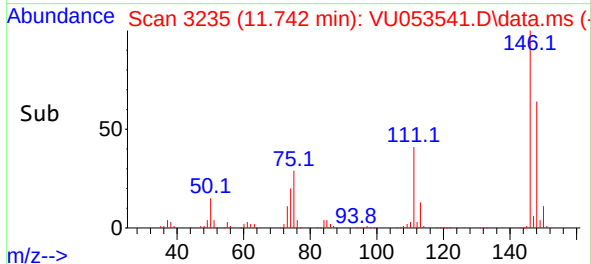
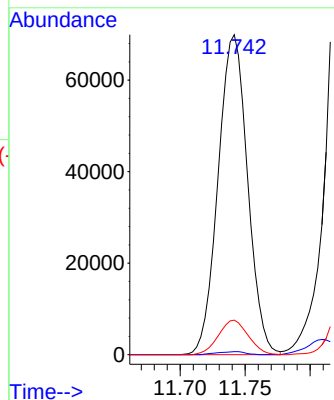
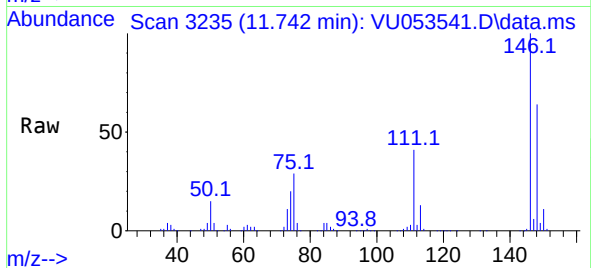




#60
1,2,3-Trichloropropane
Concen: 56.667 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.926 min
Lab File: VU053541.D
Acq: 04 Apr 2023 00:21

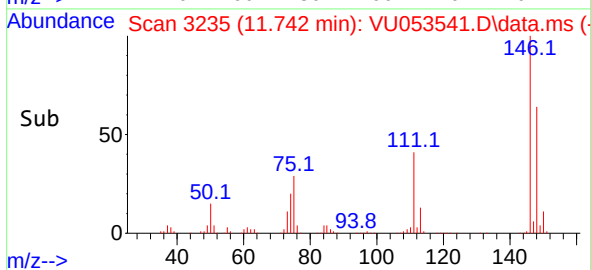
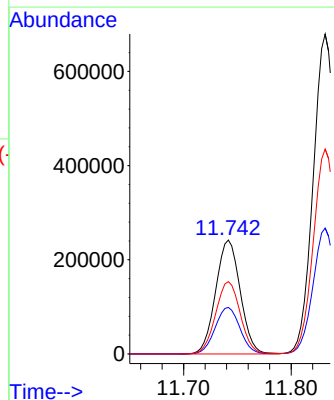
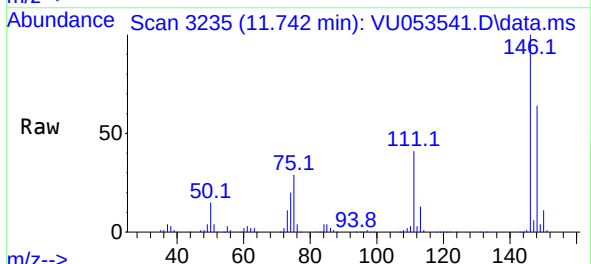
Instrument :
MSVOA_U
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PMW-9D(20230330)

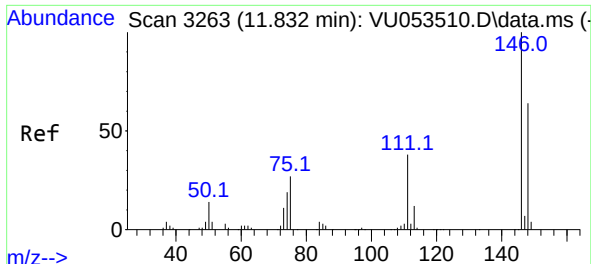
Tgt Ion: 75 Resp: 110385
Ion Ratio Lower Upper
75 100
77 0.9 26.0 39.0#
110 10.9 32.6 48.8#



#64
1,3-Dichlorobenzene
Concen: 92.705 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053541.D
Acq: 04 Apr 2023 00:21

Tgt Ion:146 Resp: 384759
Ion Ratio Lower Upper
146 100
111 40.8 25.7 47.7
148 63.5 44.2 82.2

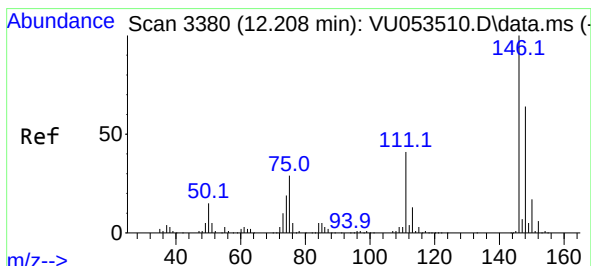
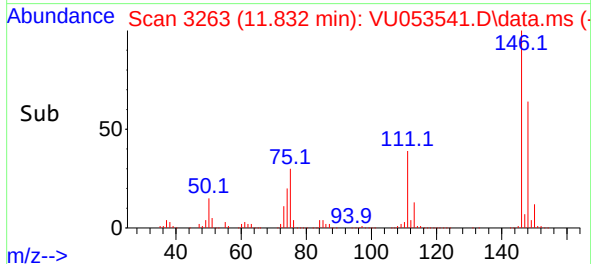
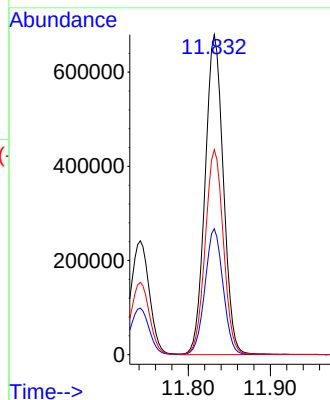
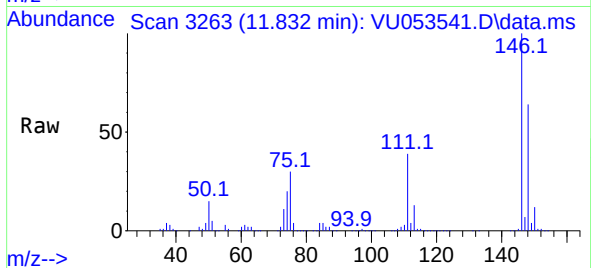




#65
1,4-Dichlorobenzene
Concen: 247.910 ug/L
RT: 11.832 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053541.D
Acq: 04 Apr 2023 00:21

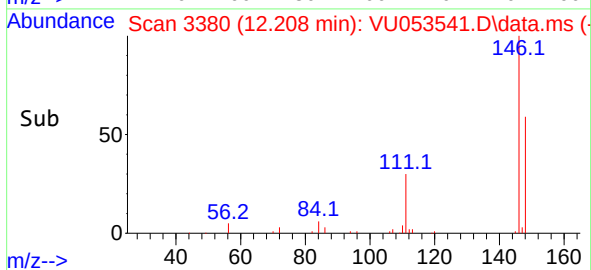
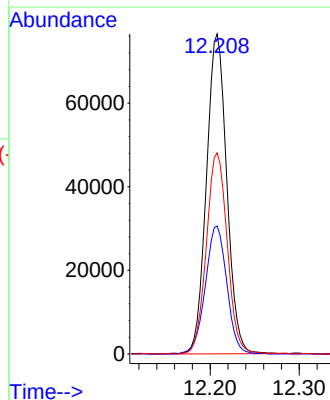
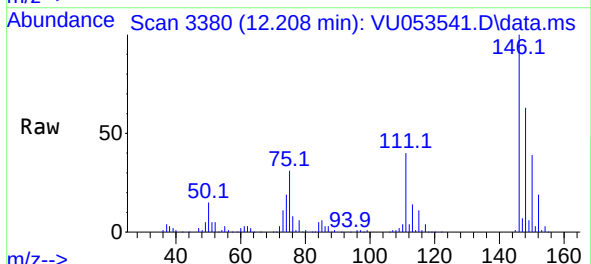
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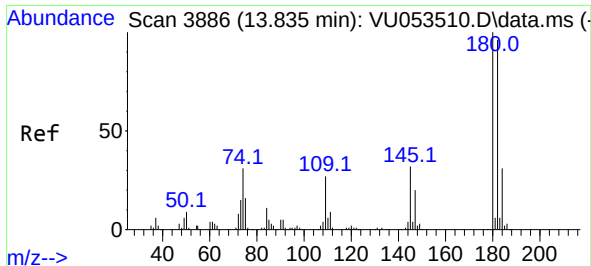
Tgt Ion:146 Resp: 1048664
Ion Ratio Lower Upper
146 100
111 39.4 25.1 46.5
148 64.0 44.3 82.3



#67
1,2-Dichlorobenzene
Concen: 29.291 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU053541.D
Acq: 04 Apr 2023 00:21

Tgt Ion:146 Resp: 121163
Ion Ratio Lower Upper
146 100
111 40.0 31.5 47.3
148 62.9 51.6 77.4

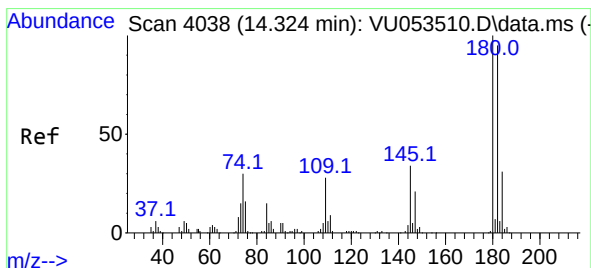
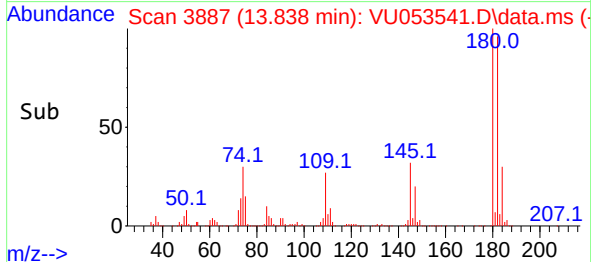
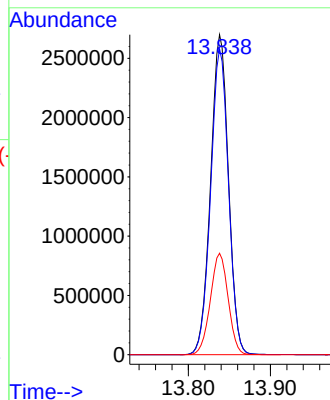
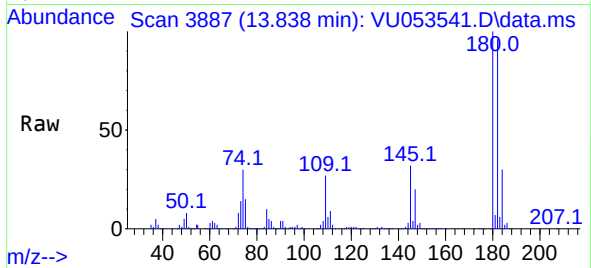




#70
1,2,4-trichlorobenzene
Concen: 1431.144 ug/L
RT: 13.838 min Scan# 3886
Delta R.T. 0.003 min
Lab File: VU053541.D
Acq: 04 Apr 2023 00:21

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Tgt Ion:180 Resp: 4078073
Ion Ratio Lower Upper
180 100
182 95.5 75.8 113.8
145 31.5 23.4 35.2



#72
1,2,3-Trichlorobenzene
Concen: 80.832 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053541.D
Acq: 04 Apr 2023 00:21

Tgt Ion:180 Resp: 230058
Ion Ratio Lower Upper
180 100
182 93.9 77.0 115.6
145 33.3 25.4 38.0

