

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053538.D
 Acq On : 03 Apr 2023 23:09
 Operator : JC/MD
 Sample : 02158-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-7S(20230329)

Quant Time: Apr 04 06:57:36 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	261044	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	241401	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	130121	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	92876	45.692	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.380%
7) Chloroethane-d5	1.909	69	78812	50.288	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.580%
11) 1,1-Dichloroethene-d2	2.565	63	113950	36.215	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.440%
21) 2-Butanone-d5	4.613	46	111710	121.385	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.390%
24) Chloroform-d	5.057	84	161509	48.045	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.080%
26) 1,2-Dichloroethane-d4	5.697	65	103949	52.330	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.660%
32) Benzene-d6	5.722	84	331003	50.798	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.600%
36) 1,2-Dichloropropane-d6	6.684	67	102677	51.553	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.100%
41) Toluene-d8	7.893	98	311521	48.101	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.200%
43) trans-1,3-Dichloroprop...	8.176	79	50152	48.782	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.560%
47) 2-Hexanone-d5	8.626	63	85681	126.051	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	126.050%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	150027	53.445	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.880%
66) 1,2-Dichlorobenzene-d4	12.188	152	128625	47.357	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.720%
Target Compounds						Qvalue
5) Vinyl chloride	1.600	62	6326	3.135	ug/L #	69
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1120	0.623	ug/L #	23
12) 1,1-Dichloroethene	2.568	96	2185	1.364	ug/L #	1
17) trans-1,2-Dichloroethene	3.350	96	8607	5.347	ug/L	93
19) 1,1-Dichloroethane	3.864	63	27136	10.176	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	83029	44.654	ug/L	93
33) Benzene	5.771	78	10085	1.603	ug/L	100
37) 1,2-Dichloropropane	6.684	63	11115	6.960	ug/L #	86
44) trans-1,3-Dichloropropene	8.176	75	2403	0.974	ug/L	99
46) Tetrachloroethene	8.545	164	2766	1.752	ug/L	85
49) Dibromochloromethane	8.552	129	2819	1.546	ug/L #	11
51) Chlorobenzene	9.443	112	87961	17.911	ug/L	96
64) 1,3-Dichlorobenzene	11.741	146	121739	30.284	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	668195	163.094	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	11239	2.805	ug/L	97
69) 1,3,5-Trichlorobenzene	13.838	180	20953	7.039	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	20953	7.592	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
Data File : VU053538.D
Acq On : 03 Apr 2023 23:09
Operator : JC/MD
Sample : 02158-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PMW-7S(20230329)

Quant Time: Apr 04 06:57:36 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

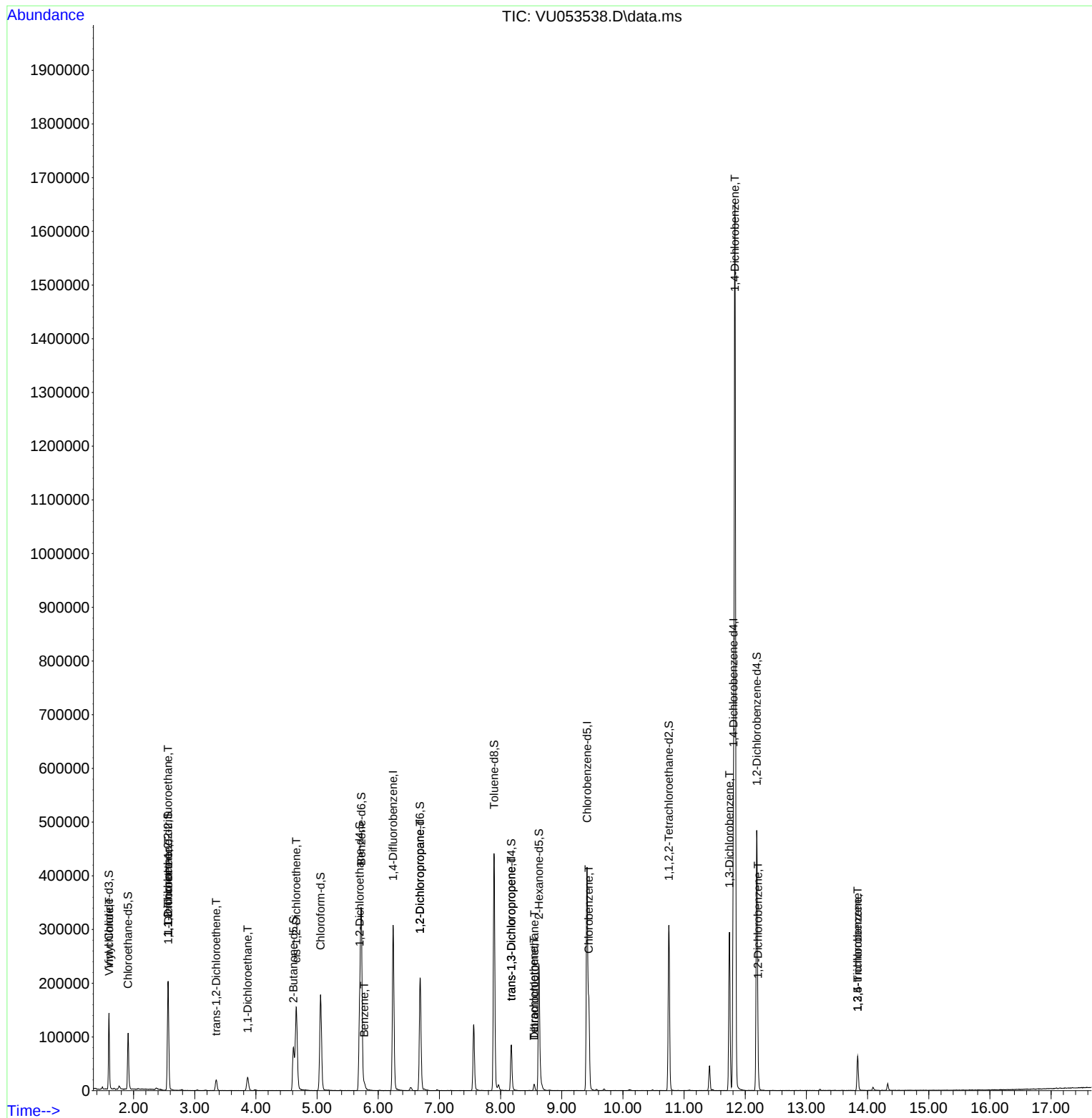
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

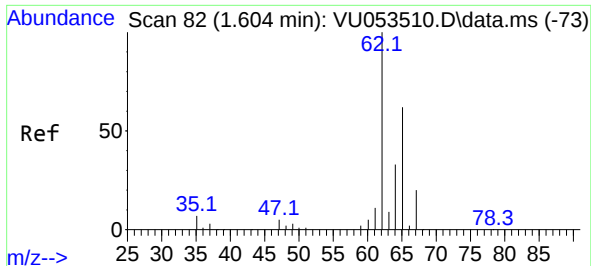
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
Data File : VU053538.D
Acq On : 03 Apr 2023 23:09
Operator : JC/MD
Sample : 02158-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PMW-7S(20230329)

Quant Time: Apr 04 06:57:36 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

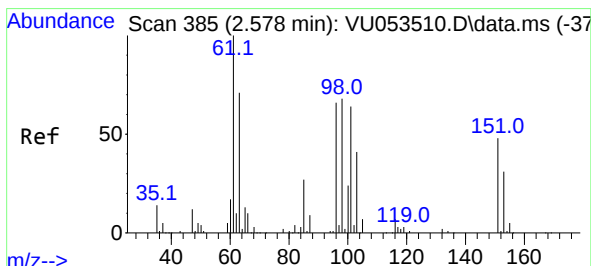
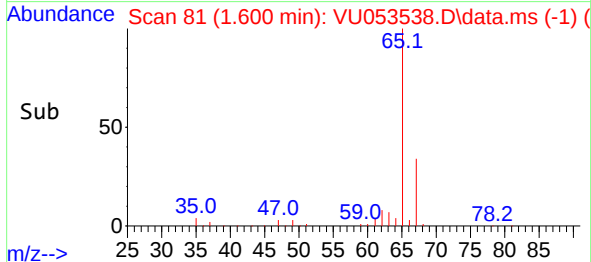
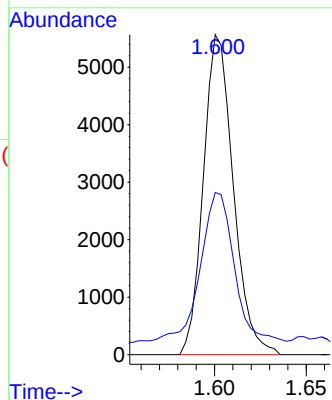
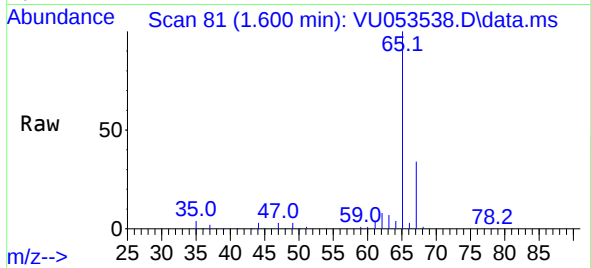




#5
 Vinyl chloride
 Concen: 3.135 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU053538.D
 Acq: 03 Apr 2023 23:09

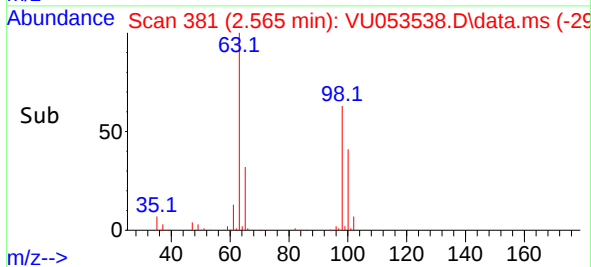
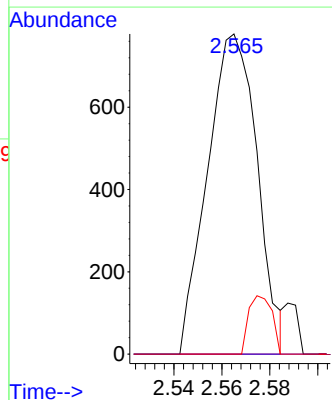
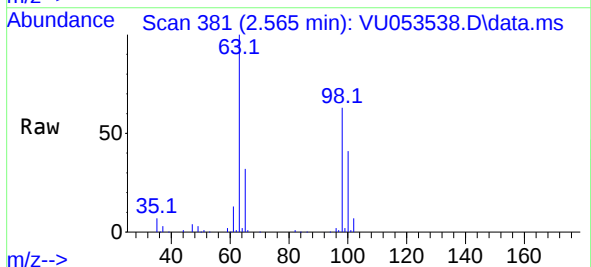
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-7S(20230329)

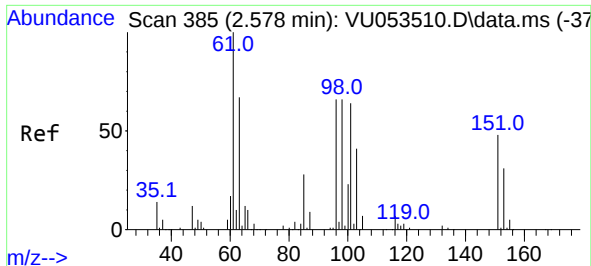
Tgt Ion: 62 Resp: 6326
 Ion Ratio Lower Upper
 62 100
 64 50.7 23.2 43.0#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.623 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.013 min
 Lab File: VU053538.D
 Acq: 03 Apr 2023 23:09

Tgt Ion: 101 Resp: 1120
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.6 48.8#
 151 8.5 65.8 98.6#





#12

1,1-Dichloroethene

Concen: 1.364 ug/L

RT: 2.568 min Scan# 385

Delta R.T. -0.010 min

Lab File: VU053538.D

Acq: 03 Apr 2023 23:09

Instrument :

MSVOA_U

ClientSampleId :

PMW-7S(20230329)

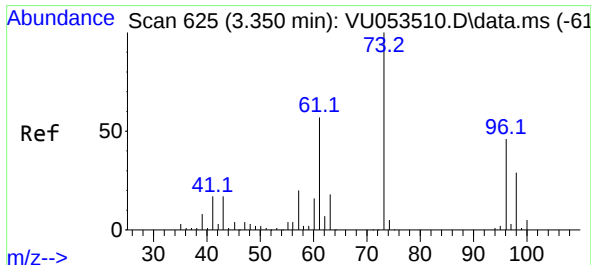
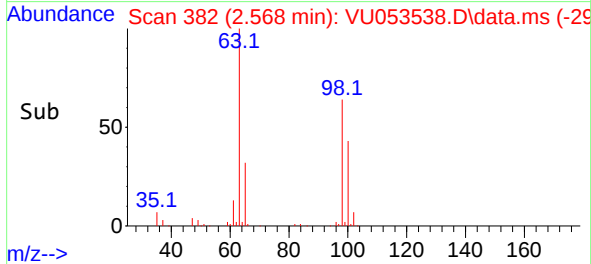
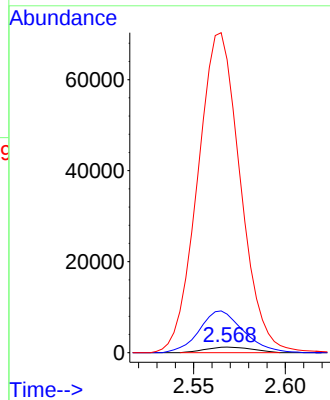
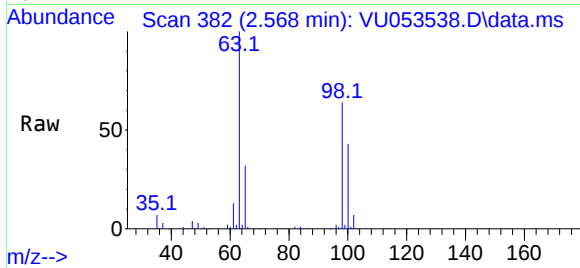
Tgt Ion: 96 Resp: 2185

Ion Ratio Lower Upper

96 100

61 690.7 107.9 200.5#

63 5257.8 79.1 146.9#



#17

trans-1,2-Dichloroethene

Concen: 5.347 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.000 min

Lab File: VU053538.D

Acq: 03 Apr 2023 23:09

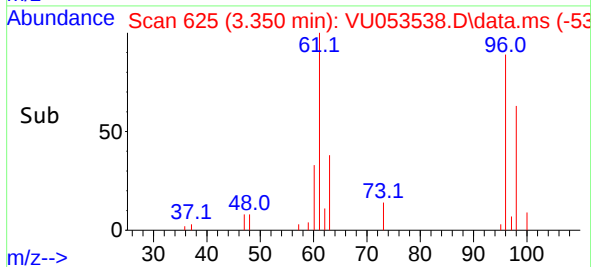
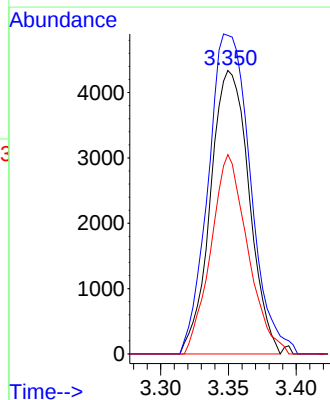
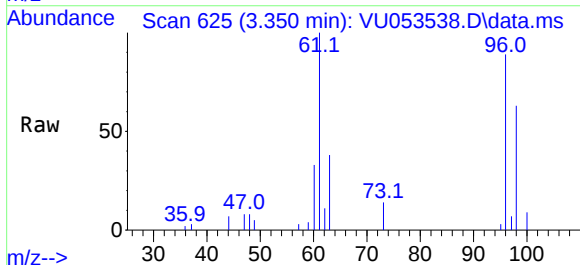
Tgt Ion: 96 Resp: 8607

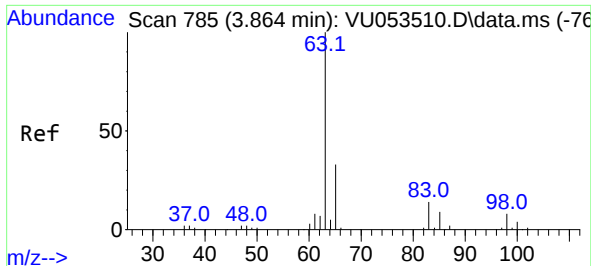
Ion Ratio Lower Upper

96 100

61 112.4 84.4 156.8

98 70.3 46.0 85.4

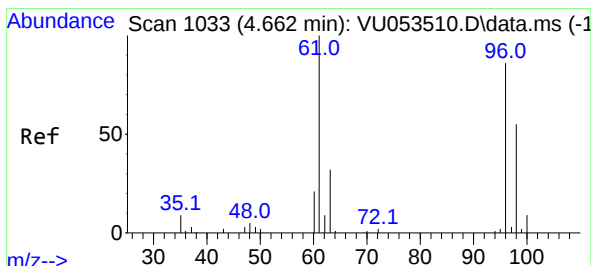
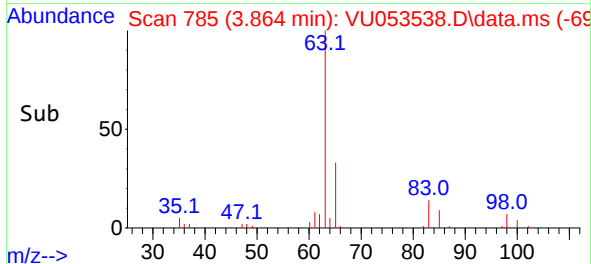
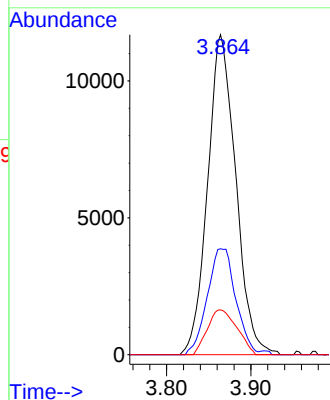
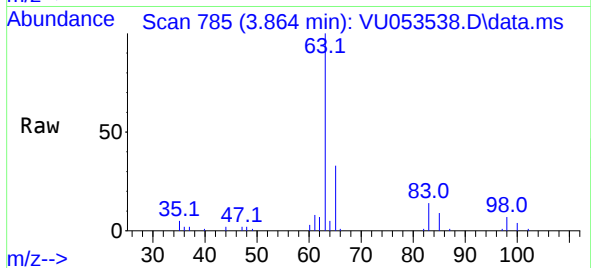




#19
1,1-Dichloroethane
Concen: 10.176 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU053538.D
Acq: 03 Apr 2023 23:09

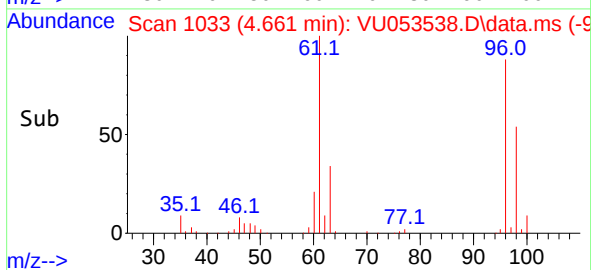
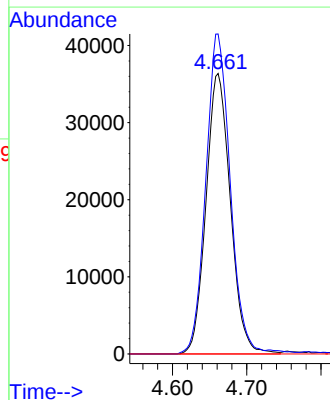
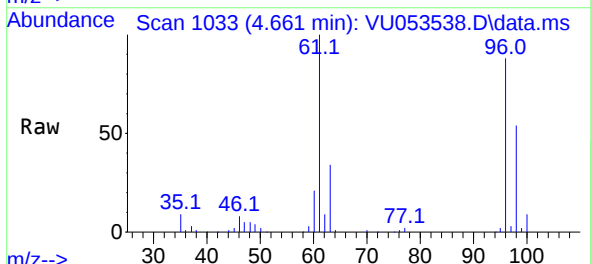
Instrument :
MSVOA_U
ClientSampleId :
PMW-7S(20230329)

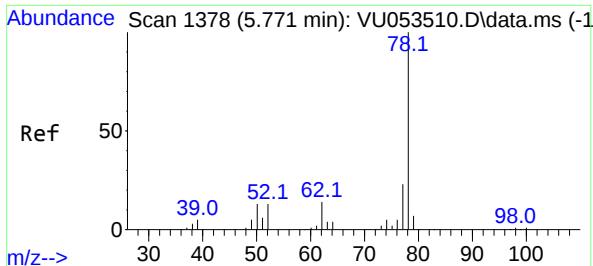
Tgt Ion: 63 Resp: 27136
Ion Ratio Lower Upper
63 100
65 33.1 22.0 41.0
83 14.0 10.8 20.0



#20
cis-1,2-Dichloroethene
Concen: 44.654 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053538.D
Acq: 03 Apr 2023 23:09

Tgt Ion: 96 Resp: 83029
Ion Ratio Lower Upper
96 100
61 114.1 74.7 138.7
68 0.0 0.0 0.0





Benzene

Concen: 1.603 ug/L

RT: 5.771 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU053538.D

Acq: 03 Apr 2023 23:09

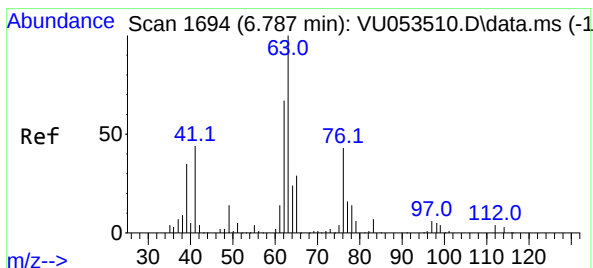
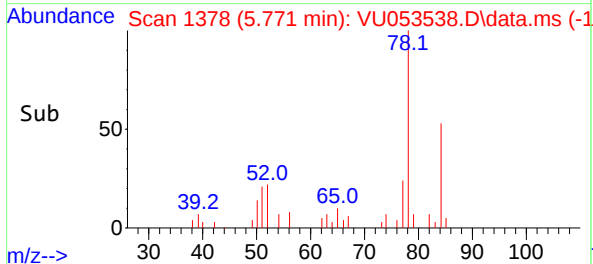
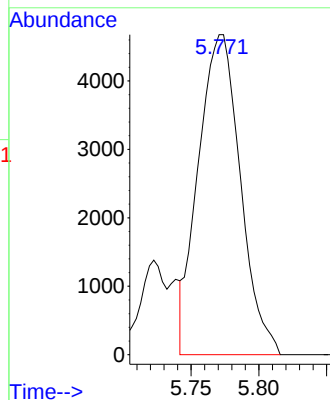
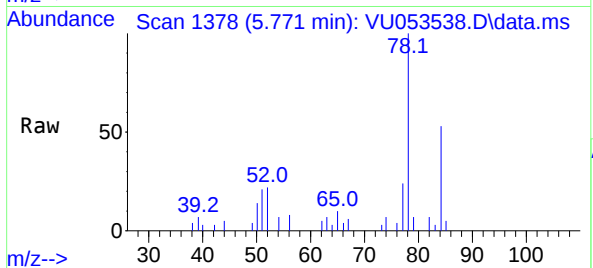
Instrument :

MSVOA_U

ClientSampleId :

PMW-7S(20230329)

Tgt Ion: 78 Resp: 10085



1,2-Dichloropropane

Concen: 6.960 ug/L

RT: 6.684 min Scan# 1662

Delta R.T. -0.100 min

Lab File: VU053538.D

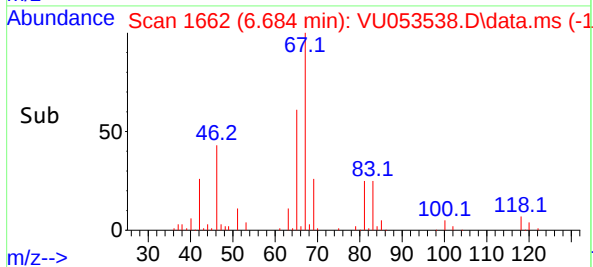
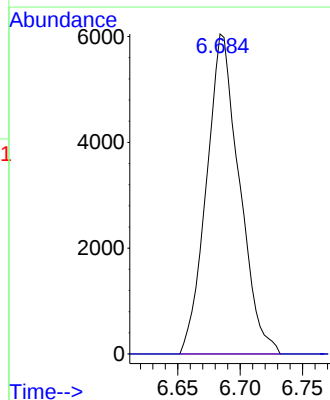
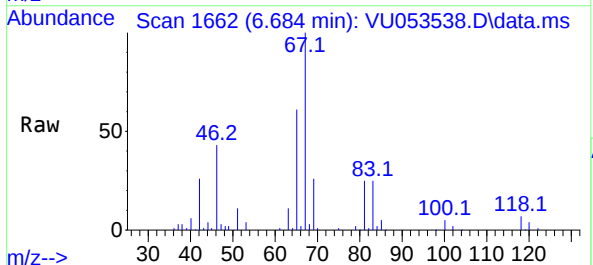
Acq: 03 Apr 2023 23:09

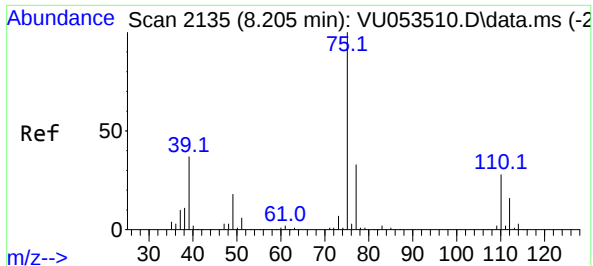
Tgt Ion: 63 Resp: 11115

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#

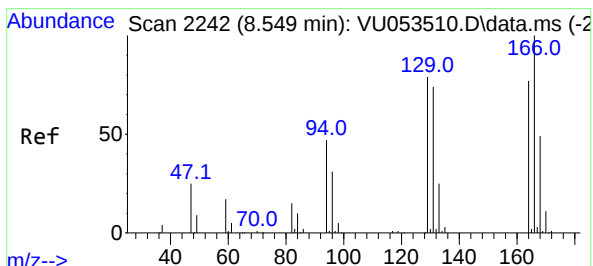
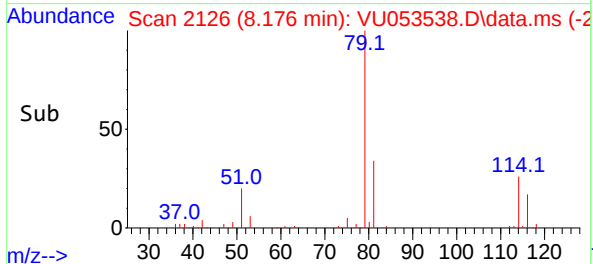
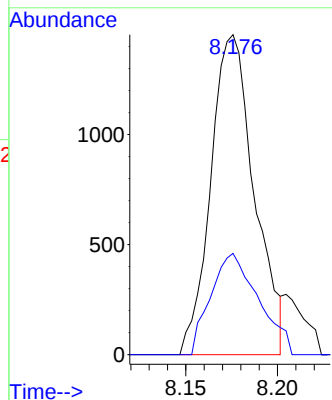
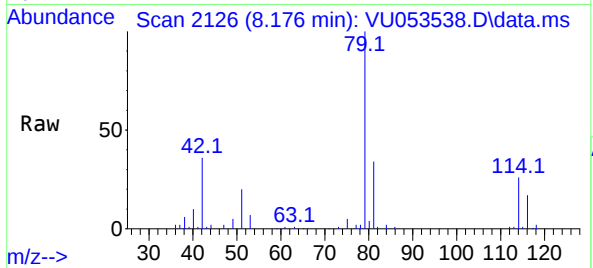




#44
trans-1,3-Dichloropropene
Concen: 0.974 ug/L
RT: 8.176 min Scan# 2135
Delta R.T. -0.029 min
Lab File: VU053538.D
Acq: 03 Apr 2023 23:09

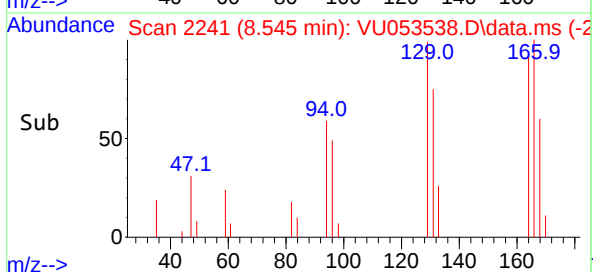
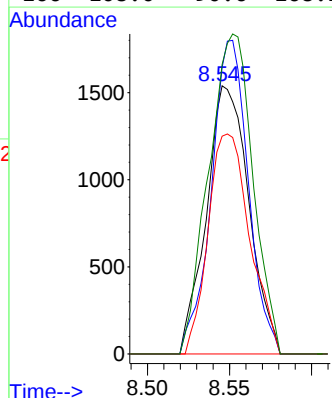
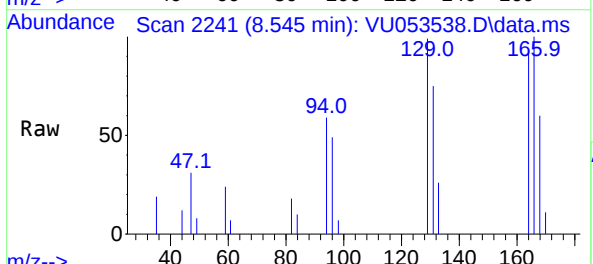
Instrument :
MSVOA_U
ClientSampleId :
PMW-7S(20230329)

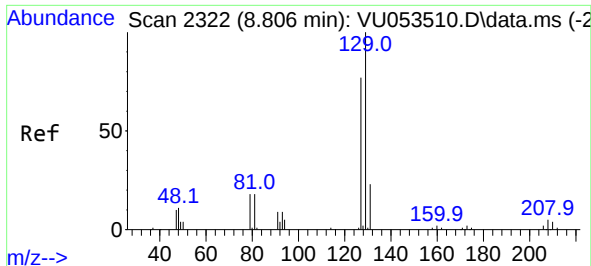
Tgt Ion: 75 Resp: 2403
Ion Ratio Lower Upper
75 100
77 31.6 21.8 40.4



#46
Tetrachloroethene
Concen: 1.752 ug/L
RT: 8.545 min Scan# 2241
Delta R.T. -0.003 min
Lab File: VU053538.D
Acq: 03 Apr 2023 23:09

Tgt Ion:164 Resp: 2766
Ion Ratio Lower Upper
164 100
129 106.9 64.0 119.0
131 81.2 61.9 115.1
166 108.0 90.6 168.2





#49

Dibromochloromethane

Concen: 1.546 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.251 min

Lab File: VU053538.D

Acq: 03 Apr 2023 23:09

Instrument :

MSVOA_U

ClientSampleId :

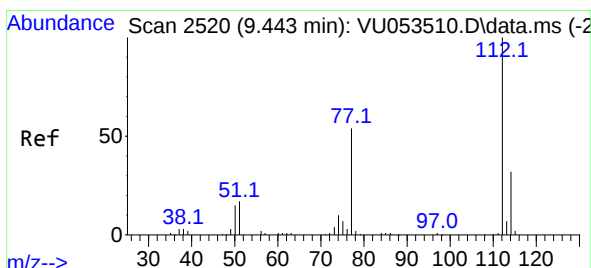
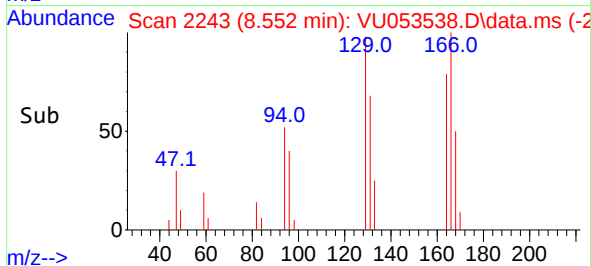
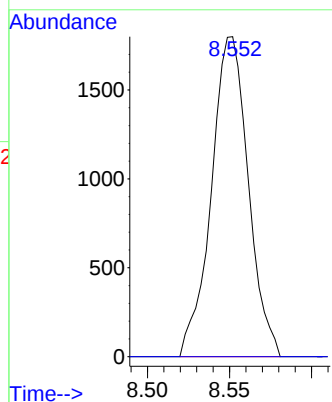
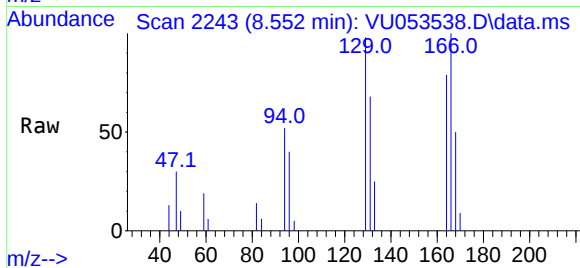
PMW-7S(20230329)

Tgt Ion:129 Resp: 2819

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#51

Chlorobenzene

Concen: 17.911 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053538.D

Acq: 03 Apr 2023 23:09

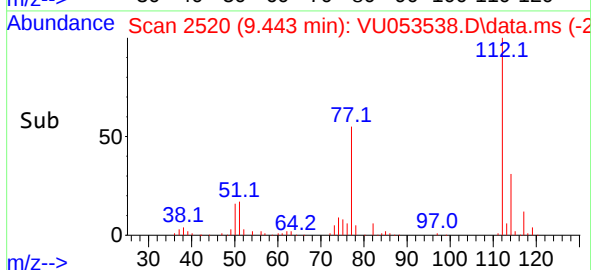
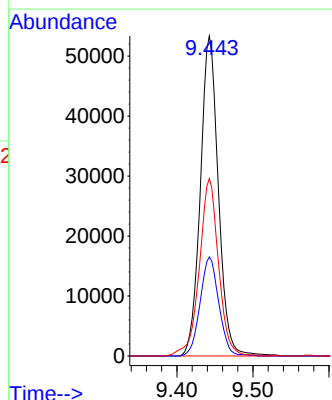
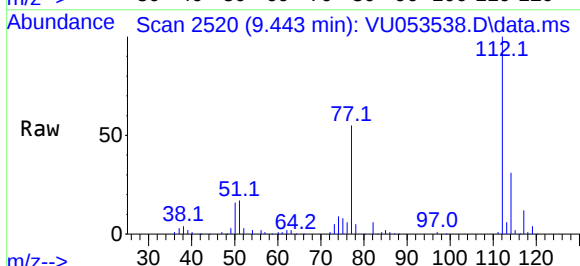
Tgt Ion:112 Resp: 87961

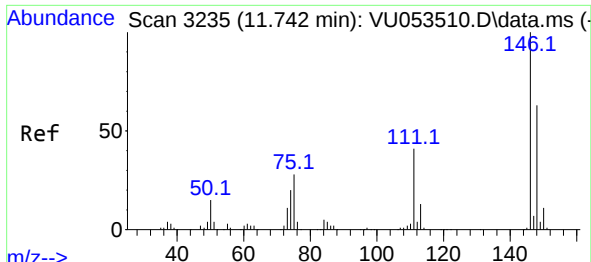
Ion Ratio Lower Upper

112 100

114 30.9 22.2 41.2

77 55.5 41.3 61.9

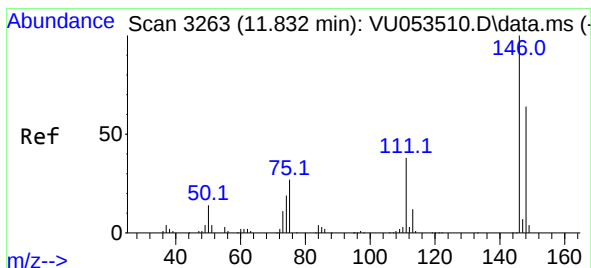
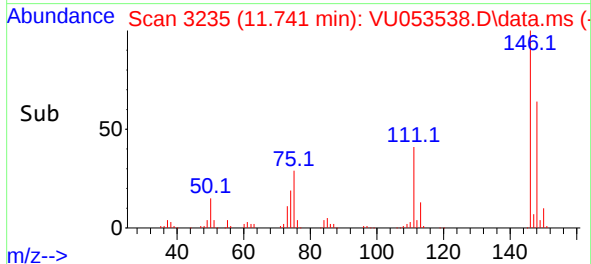
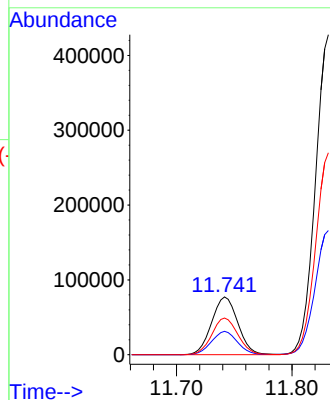
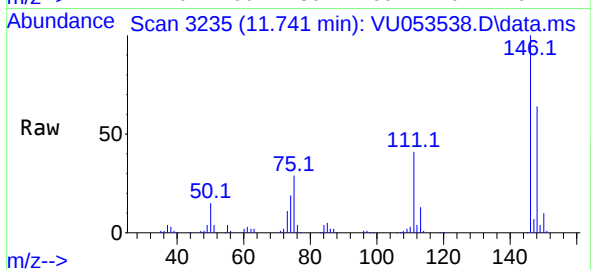




#64
1,3-Dichlorobenzene
Concen: 30.284 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053538.D
Acq: 03 Apr 2023 23:09

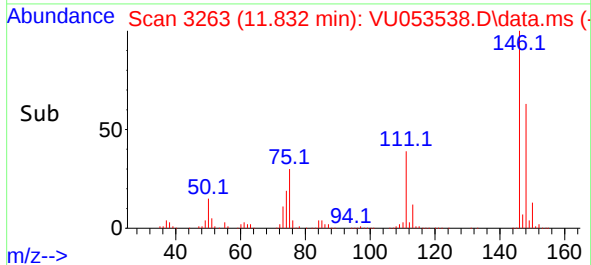
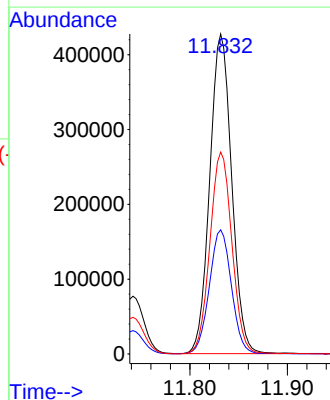
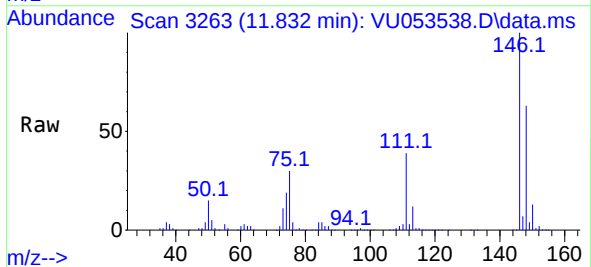
Instrument :
MSVOA_U
ClientSampleId :
PMW-7S(20230329)

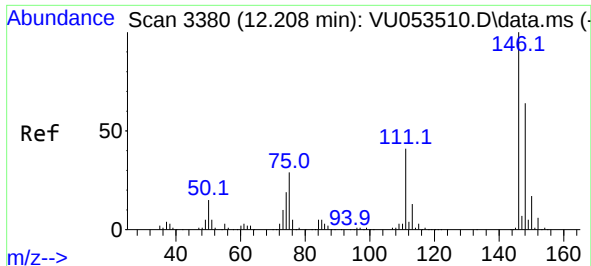
Tgt Ion:146 Resp: 121739
Ion Ratio Lower Upper
146 100
111 40.5 25.7 47.7
148 63.6 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 163.094 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053538.D
Acq: 03 Apr 2023 23:09

Tgt Ion:146 Resp: 668195
Ion Ratio Lower Upper
146 100
111 38.8 25.1 46.5
148 63.1 44.3 82.3

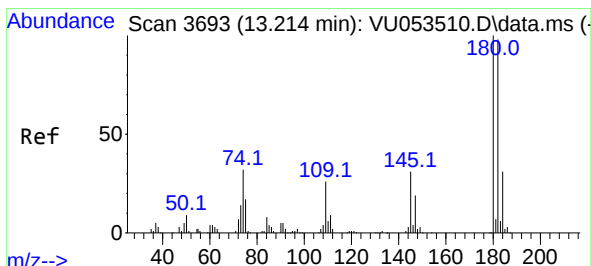
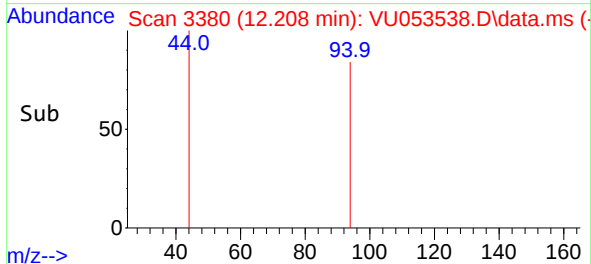
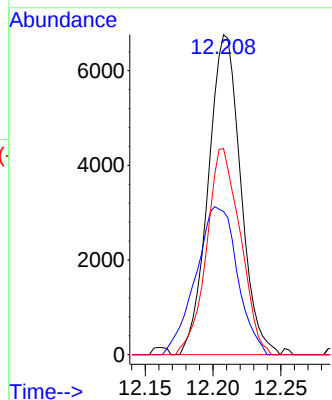
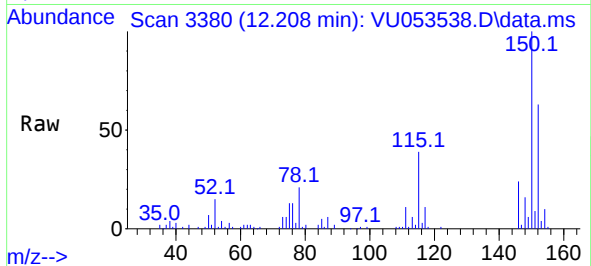




#67
1,2-Dichlorobenzene
Concen: 2.805 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU053538.D
Acq: 03 Apr 2023 23:09

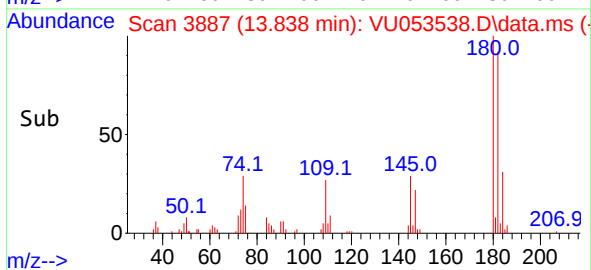
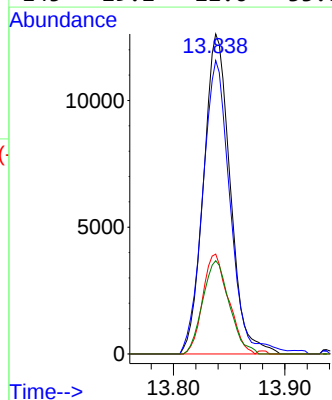
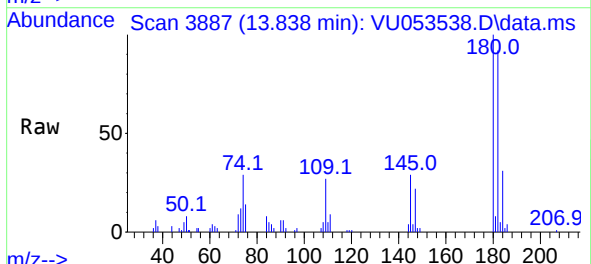
Instrument :
MSVOA_U
ClientSampleId :
PMW-7S(20230329)

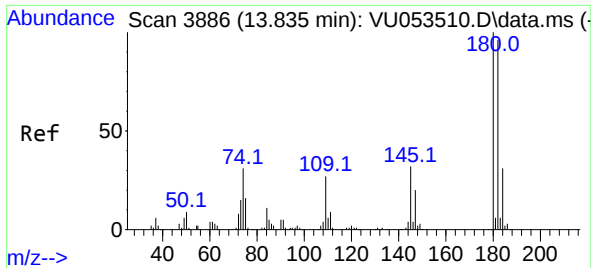
Tgt Ion:146	Resp:	11239
Ion	Ratio	Lower Upper
146	100	
111	44.7	31.5 47.3
148	64.4	51.6 77.4



#69
1,3,5-Trichlorobenzene
Concen: 7.039 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.624 min
Lab File: VU053538.D
Acq: 03 Apr 2023 23:09

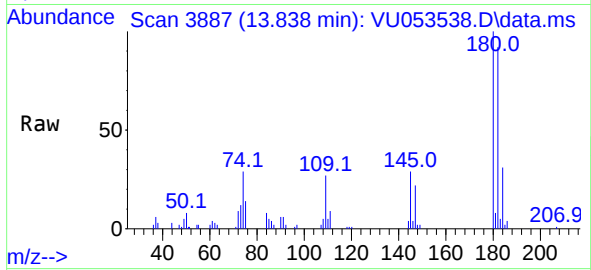
Tgt Ion:180	Resp:	20953
Ion	Ratio	Lower Upper
180	100	
182	91.9	75.6 113.4
184	30.1	24.2 36.2
145	29.2	22.6 33.8





#70
 1,2,4-trichlorobenzene
 Concen: 7.592 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU053538.D
 Acq: 03 Apr 2023 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-7S(20230329)



Tgt Ion:	180	Resp:	20953
Ion	Ratio	Lower	Upper
180	100		
182	91.9	75.8	113.8
145	29.2	23.4	35.2

