

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053534.D
 Acq On : 03 Apr 2023 20:48
 Operator : JC/MD
 Sample : 02158-04MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-10(20230329)MS

Quant Time: Apr 04 05:19:46 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	271553	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	259106	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	138444	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	97069	45.907	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.820%
7) Chloroethane-d5	1.909	69	78500	48.150	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.300%
11) 1,1-Dichloroethene-d2	2.565	63	152588	46.618	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.240%
21) 2-Butanone-d5	4.610	46	111144	116.096	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.100%
24) Chloroform-d	5.057	84	166455	47.600	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.697	65	103563	50.118	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.240%
32) Benzene-d6	5.722	84	334359	47.807	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.620%
36) 1,2-Dichloropropane-d6	6.684	67	101871	47.654	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.300%
41) Toluene-d8	7.893	98	322157	46.344	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.680%
43) trans-1,3-Dichloroprop...	8.176	79	53034	48.061	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.120%
47) 2-Hexanone-d5	8.626	63	87895	120.473	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.470%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	154551	51.294	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.580%
66) 1,2-Dichlorobenzene-d4	12.188	152	131584	45.534	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	98739	44.799	ug/L	100
3) Chloromethane	1.520	50	96823	53.461	ug/L	99
5) Vinyl chloride	1.600	62	111405	53.077	ug/L	99
6) Bromomethane	1.851	94	65439	42.849	ug/L	97
8) Chloroethane	1.932	64	66020	52.298	ug/L	99
9) Trichlorofluoromethane	2.134	101	153271	47.477	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	85388	45.670	ug/L	93
12) 1,1-Dichloroethene	2.575	96	77392	46.446	ug/L	88
13) Acetone	2.616	43	66610	77.421	ug/L	97
14) Carbon disulfide	2.790	76	217111	49.257	ug/L	98
15) Methyl Acetate	2.941	43	72277	54.846	ug/L	94
16) Methylene chloride	3.041	84	89561	47.820	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	80691	48.185	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	256947	52.641	ug/L	100
19) 1,1-Dichloroethane	3.864	63	163194	58.830	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	101486	52.468	ug/L	92
22) 2-Butanone	4.694	43	101798	97.664	ug/L	94
23) Bromochloromethane	4.967	128	49706	46.135	ug/L	88
25) Chloroform	5.083	83	158041	49.672	ug/L	99

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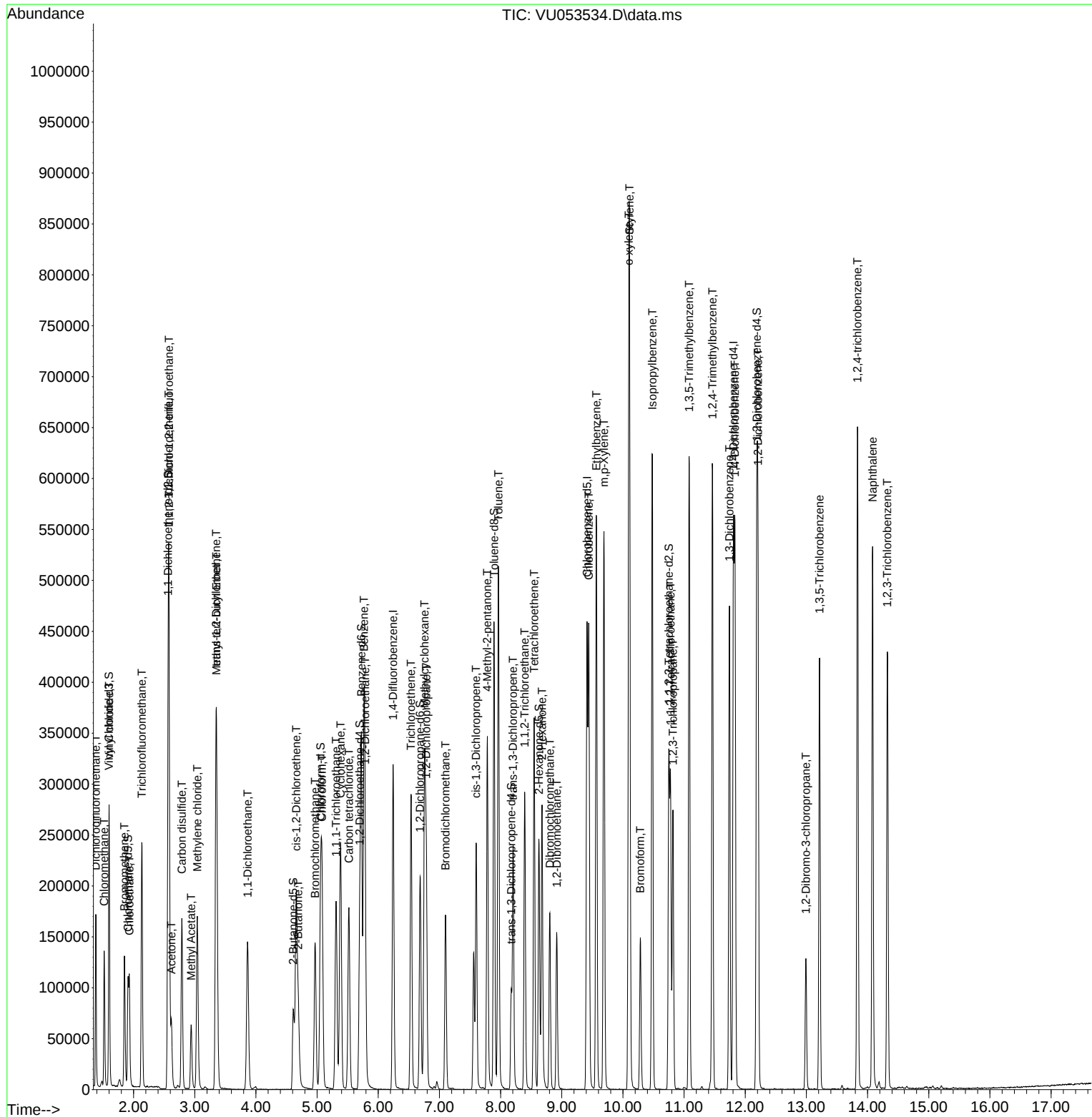
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	118989	51.067	ug/L	97
29) Cyclohexane	5.385	56	125227	50.204	ug/L	95
30) 1,1,1-Trichloroethane	5.311	97	138188	48.402	ug/L	99
31) Carbon tetrachloride	5.520	117	118711	46.409	ug/L	99
33) Benzene	5.767	78	339742	50.326	ug/L	100
34) Trichloroethene	6.536	95	96288	47.158	ug/L	96
35) Methylcyclohexane	6.758	83	143049	47.663	ug/L	98
37) 1,2-Dichloropropane	6.783	63	85781	50.043	ug/L	99
38) Bromodichloromethane	7.099	83	112397	49.151	ug/L	96
39) cis-1,3-Dichloropropene	7.600	75	138505	49.446	ug/L	99
40) 4-Methyl-2-pentanone	7.783	43	208212	111.776	ug/L	99
42) Toluene	7.963	91	387520	50.654	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	135583	51.201	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	92368	49.080	ug/L	97
46) Tetrachloroethene	8.549	164	78633	46.409	ug/L	97
48) 2-Hexanone	8.677	43	163107	108.246	ug/L	99
49) Dibromochloromethane	8.806	129	90297	46.143	ug/L	99
50) 1,2-Dibromoethane	8.918	107	103361	49.089	ug/L	99
51) Chlorobenzene	9.443	112	249383	47.311	ug/L	96
52) Ethylbenzene	9.565	91	410588	48.212	ug/L	100
53) m,p-Xylene	9.690	106	162384	48.753	ug/L	99
54) o-xylene	10.095	106	158465	48.120	ug/L	97
55) Styrene	10.108	104	263815	49.184	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	146849	53.144	ug/L	97
59) Bromoform	10.285	173	65861	46.477	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	114472	57.025	ug/L	98
61) Isopropylbenzene	10.481	105	410001	50.090	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	345716	50.809	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	344038	51.050	ug/L	97
64) 1,3-Dichlorobenzene	11.741	146	197111	46.086	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	207188	47.531	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	198565	46.582	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	30941	57.818	ug/L	91
69) 1,3,5-Trichlorobenzene	13.214	180	128691	40.632	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	198134	67.474	ug/L	99
71) Naphthalene	14.082	128	429425	48.858	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	133717	45.591	ug/L	99

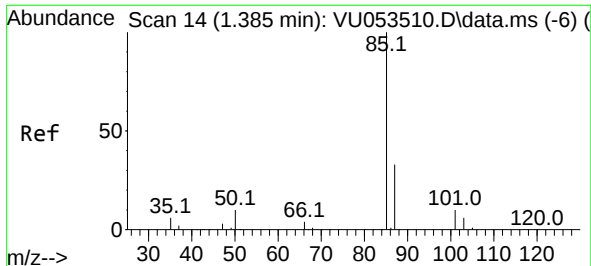
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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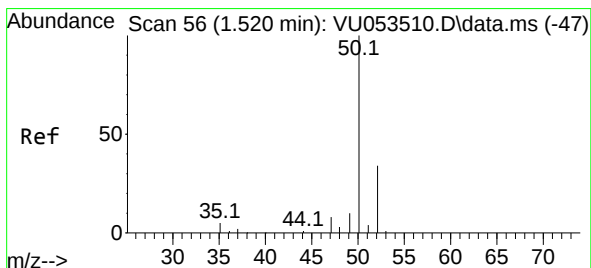
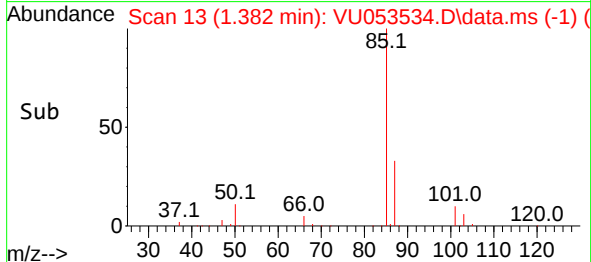
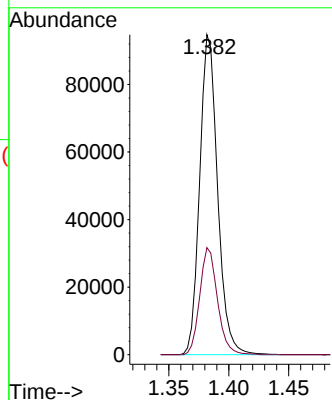
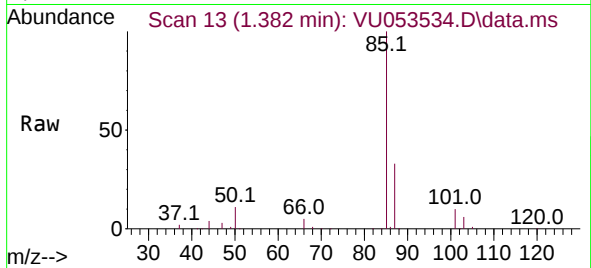




#2
Dichlorodifluoromethane
Concen: 44.799 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

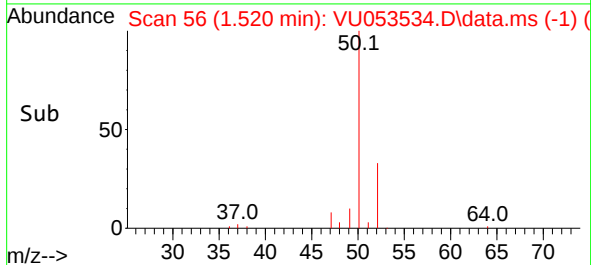
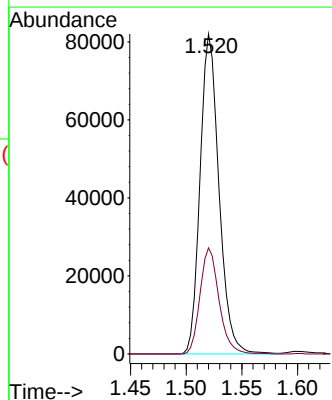
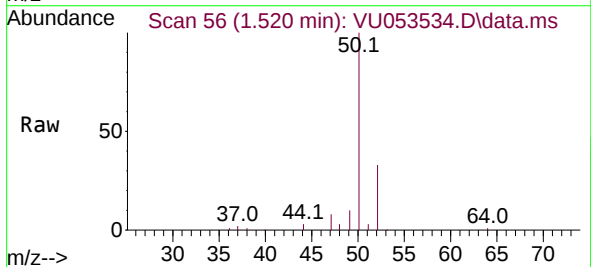
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MS

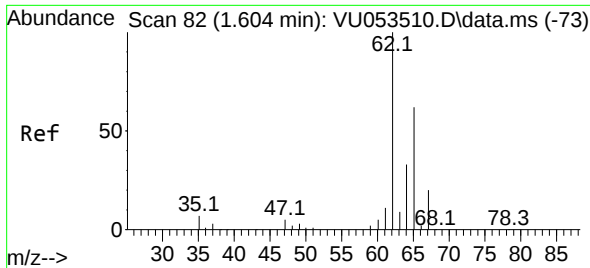
Tgt Ion: 85 Resp: 98739
Ion Ratio Lower Upper
85 100
87 33.0 26.4 39.6



#3
Chloromethane
Concen: 53.461 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Tgt Ion: 50 Resp: 96823
Ion Ratio Lower Upper
50 100
52 33.1 22.7 42.1

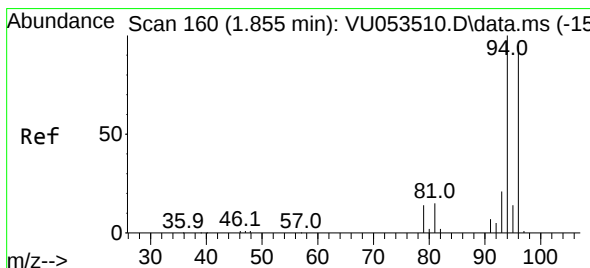
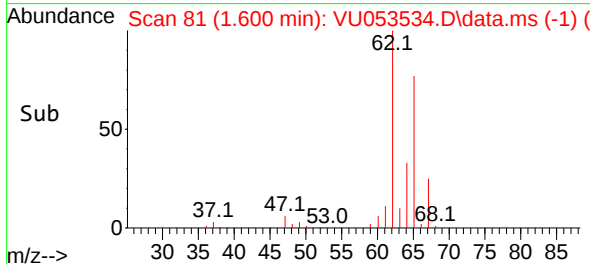
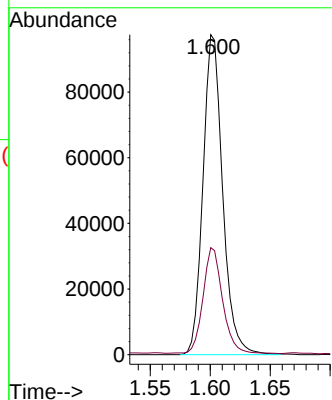
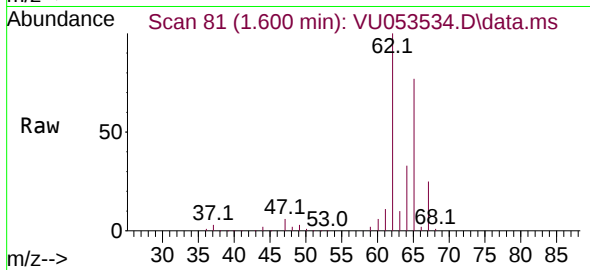




#5
Vinyl chloride
Concen: 53.077 ug/L
RT: 1.600 min Scan# 81
Delta R.T. -0.003 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

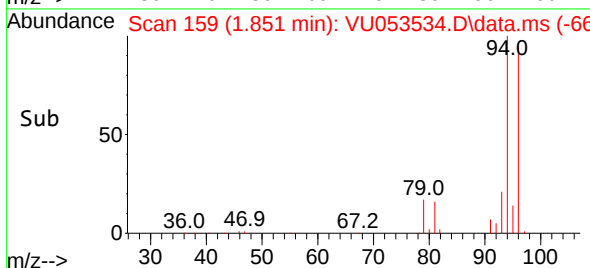
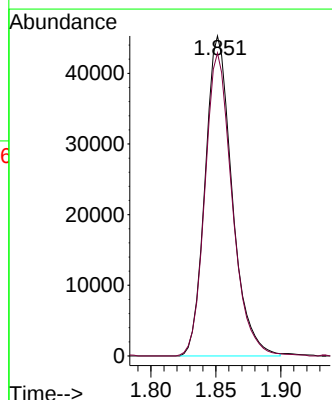
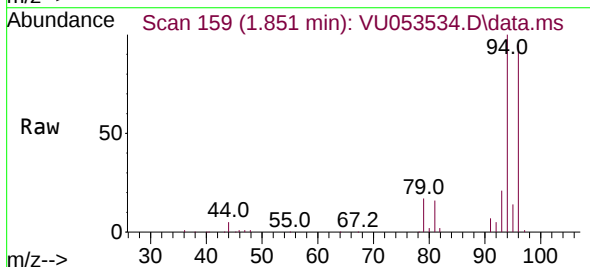
Instrument :
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ClientSampleId :
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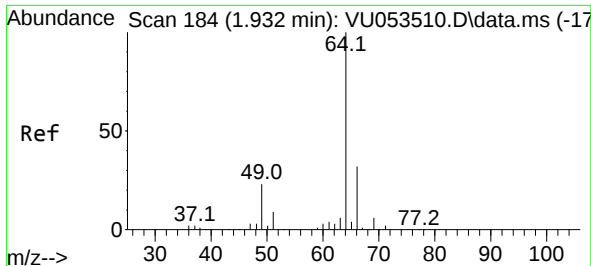
Tgt Ion: 62 Resp: 111405
Ion Ratio Lower Upper
62 100
64 33.4 23.2 43.0



#6
Bromomethane
Concen: 42.849 ug/L
RT: 1.851 min Scan# 159
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Tgt Ion: 94 Resp: 65439
Ion Ratio Lower Upper
94 100
96 94.7 64.4 119.6

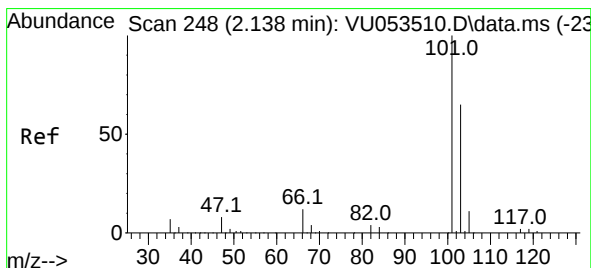
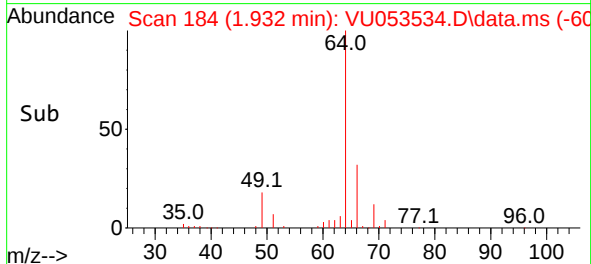
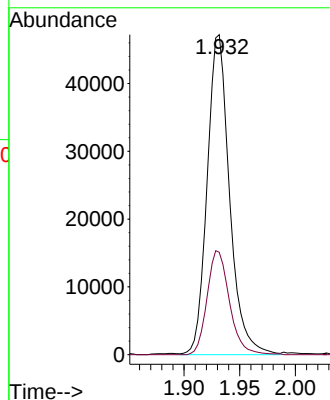
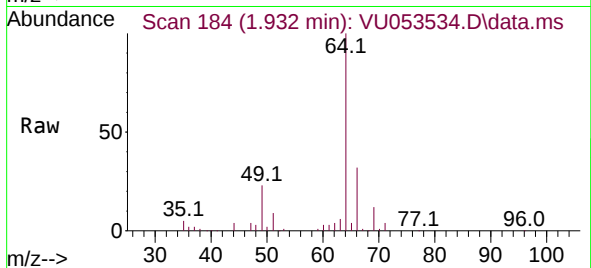




#8
Chloroethane
Concen: 52.298 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

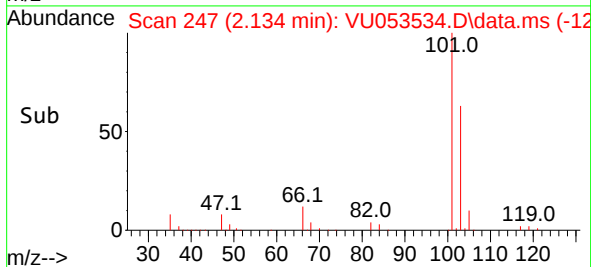
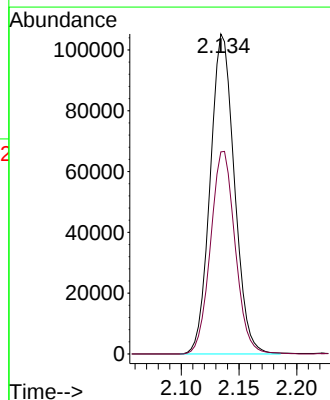
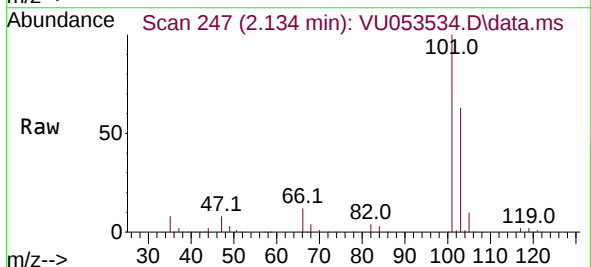
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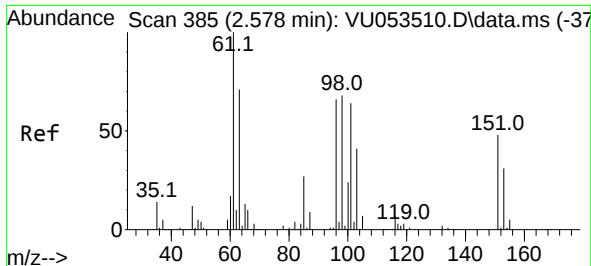
Tgt Ion: 64 Resp: 66020
Ion Ratio Lower Upper
64 100
66 32.0 21.8 40.6



#9
Trichlorofluoromethane
Concen: 47.477 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Tgt Ion:101 Resp: 153271
Ion Ratio Lower Upper
101 100
103 64.5 52.5 78.7

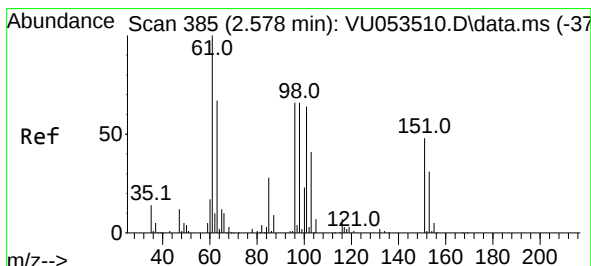
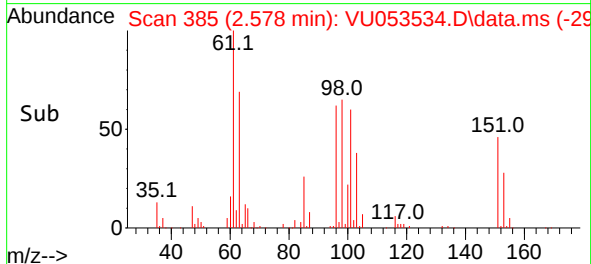
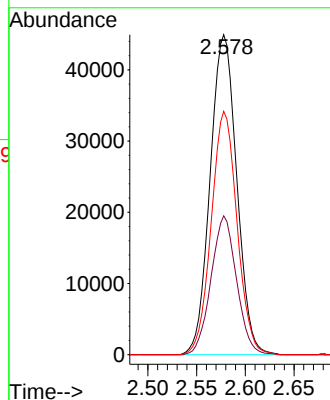
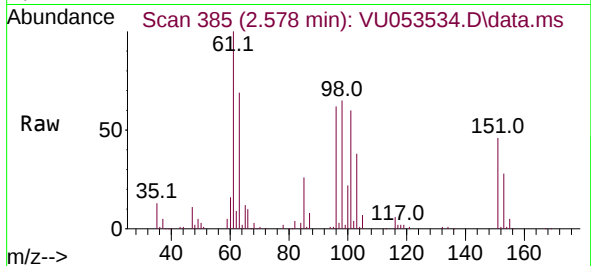




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.670 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053534.D
 Acq: 03 Apr 2023 20:48

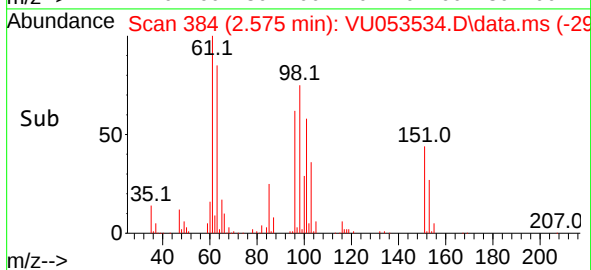
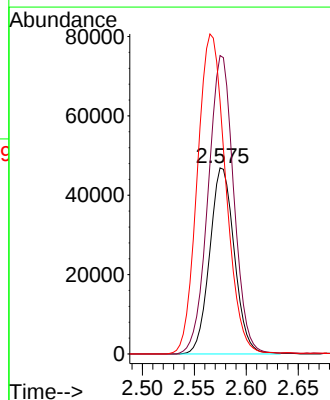
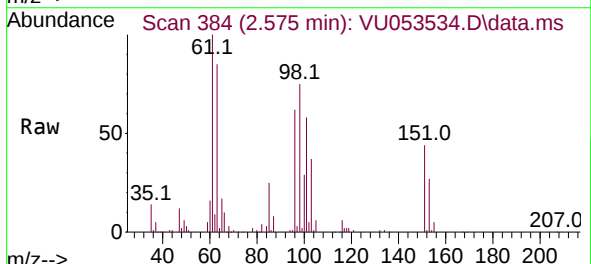
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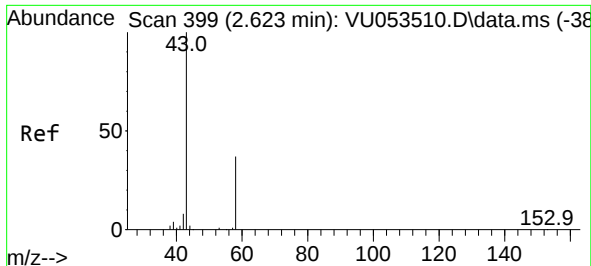
Tgt Ion:	101	Resp:	85388
Ion	Ratio	Lower	Upper
101	100		
85	41.6	32.6	48.8
151	73.8	65.8	98.6



#12
 1,1-Dichloroethene
 Concen: 46.446 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU053534.D
 Acq: 03 Apr 2023 20:48

Tgt Ion:	96	Resp:	77392
Ion	Ratio	Lower	Upper
96	100		
61	160.4	107.9	200.5
63	136.0	79.1	146.9





#13

Acetone

Concen: 77.421 ug/L

RT: 2.616 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU053534.D

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Instrument :

MSVOA_U

ClientSampleId :

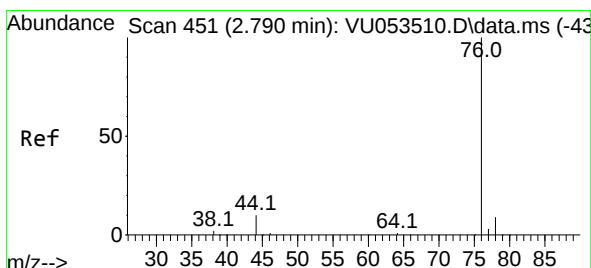
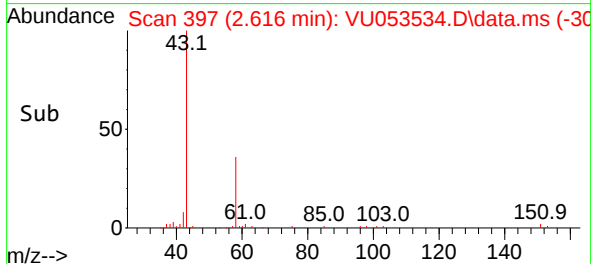
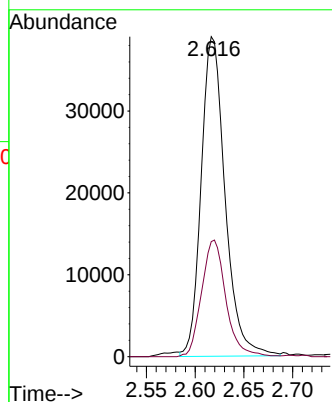
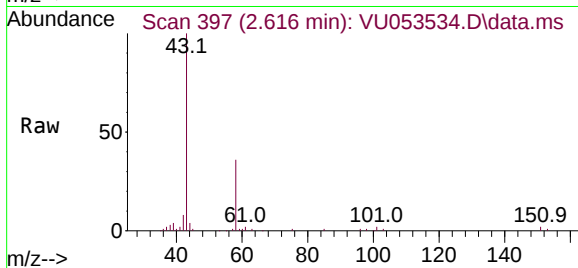
PMW-10(20230329)MS

Tgt Ion: 43 Resp: 66610

Ion Ratio Lower Upper

43 100

58 37.0 0.0 70.2



#14

Carbon disulfide

Concen: 49.257 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

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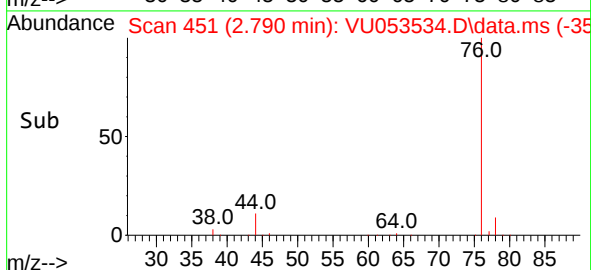
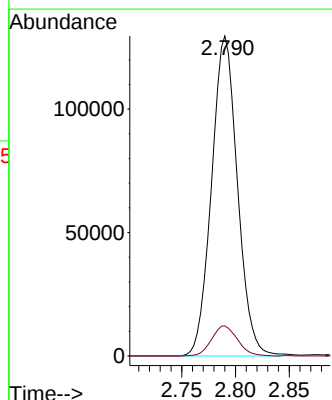
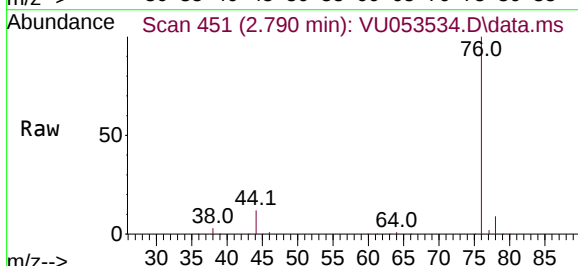
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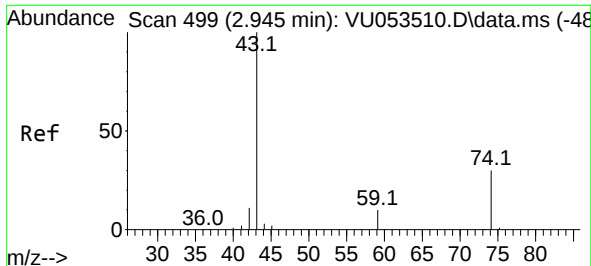
Tgt Ion: 76 Resp: 217111

Ion Ratio Lower Upper

76 100

78 9.4 8.2 12.2

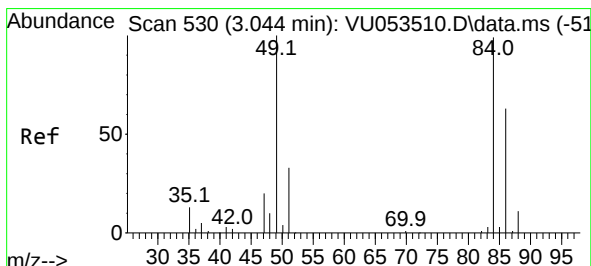
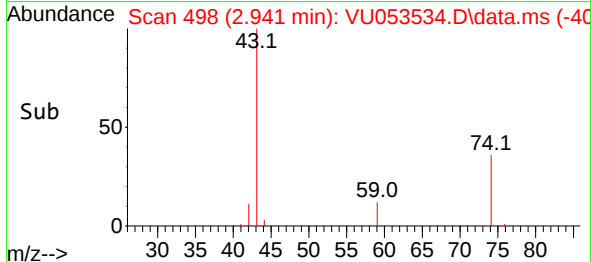
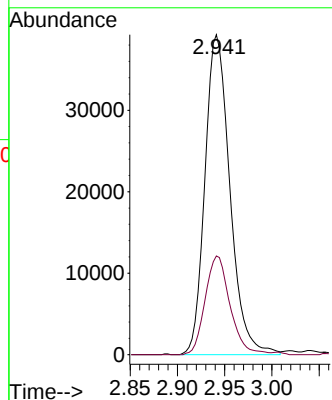
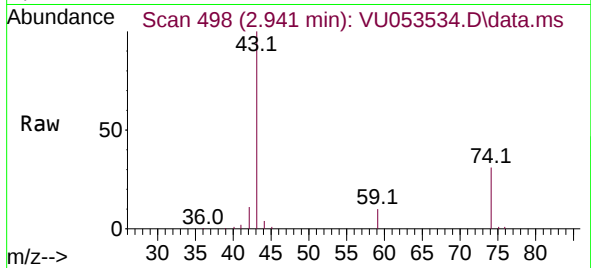




#15
Methyl Acetate
Concen: 54.846 ug/L
RT: 2.941 min Scan# 498
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

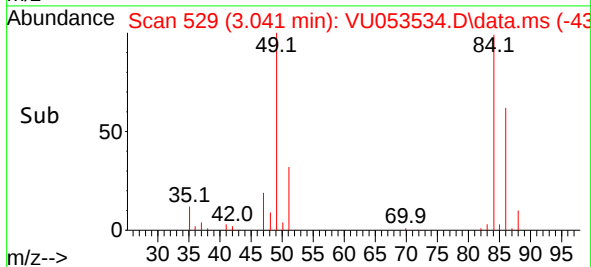
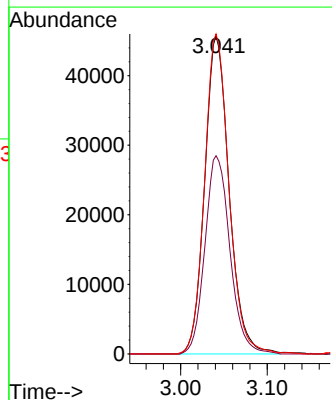
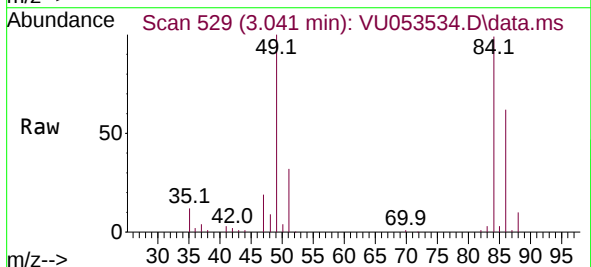
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MS

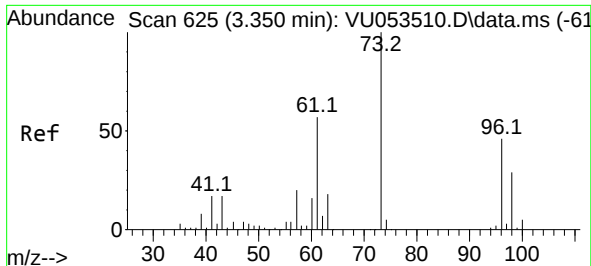
Tgt Ion: 43 Resp: 72277
Ion Ratio Lower Upper
43 100
74 30.7 22.0 33.0



#16
Methylene chloride
Concen: 47.820 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Tgt Ion: 84 Resp: 89561
Ion Ratio Lower Upper
84 100
86 62.3 43.5 80.9
49 100.6 69.7 129.5

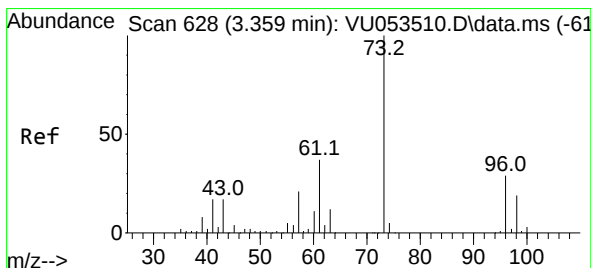
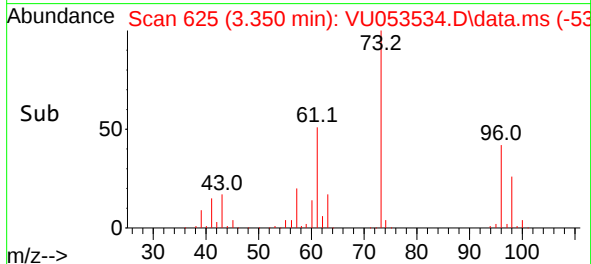
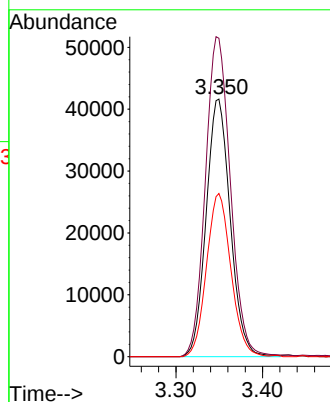
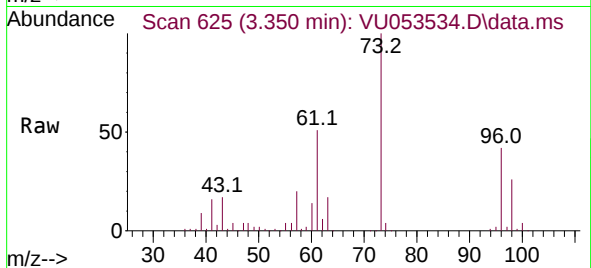




#17
trans-1,2-Dichloroethene
Concen: 48.185 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

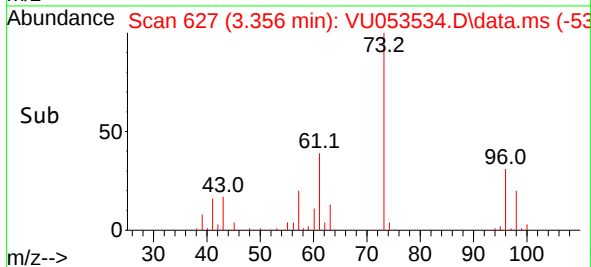
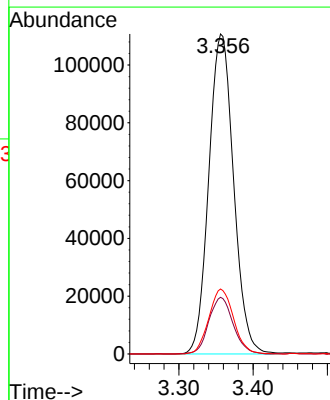
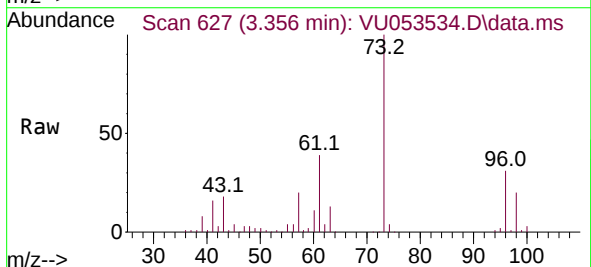
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MS

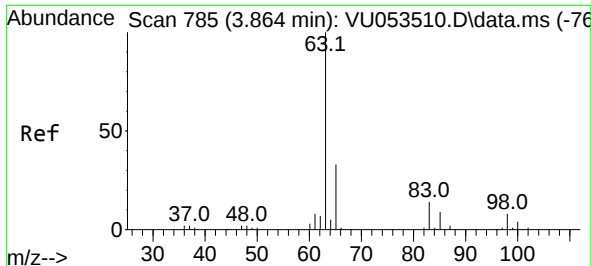
Tgt Ion: 96 Resp: 80691
Ion Ratio Lower Upper
96 100
61 123.6 84.4 156.8
98 63.3 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 52.641 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Tgt Ion: 73 Resp: 256947
Ion Ratio Lower Upper
73 100
43 17.4 13.8 20.8
57 20.2 15.9 23.9





#19

1,1-Dichloroethane

Concen: 58.830 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU053534.D

Acq: 03 Apr 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

PMW-10(20230329)MS

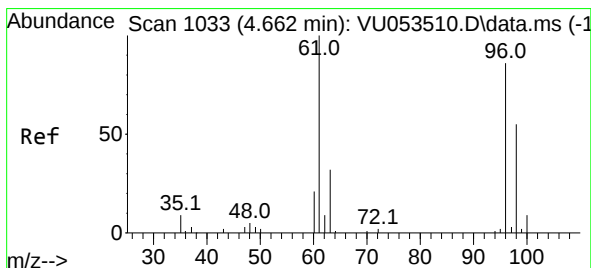
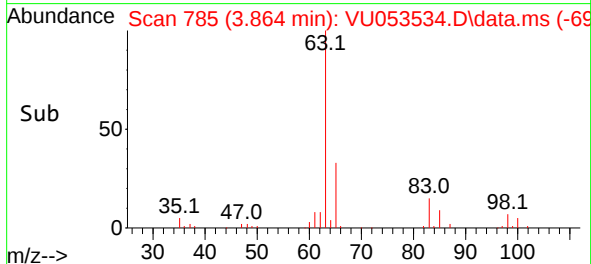
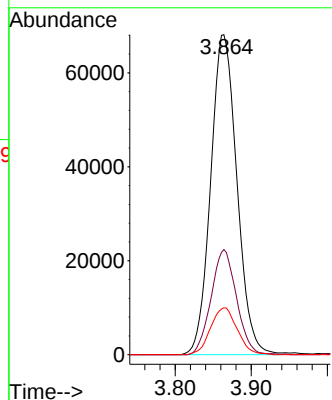
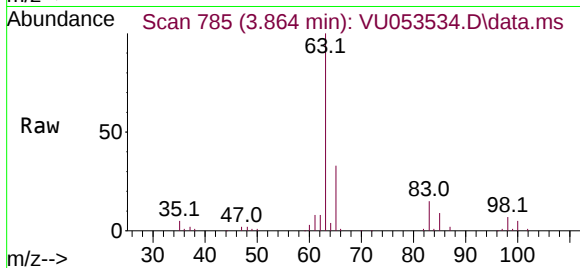
Tgt Ion: 63 Resp: 163194

Ion Ratio Lower Upper

63 100

65 32.9 22.0 41.0

83 14.7 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 52.468 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU053534.D

Acq: 03 Apr 2023 20:48

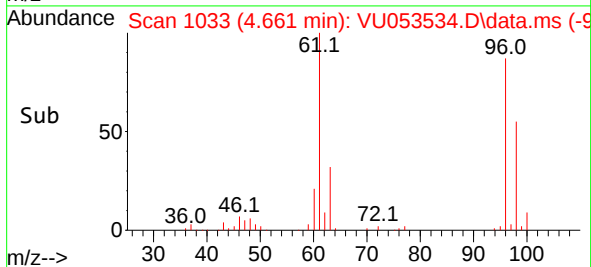
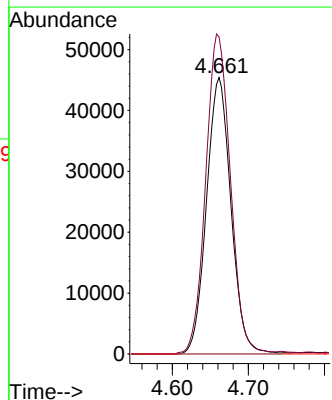
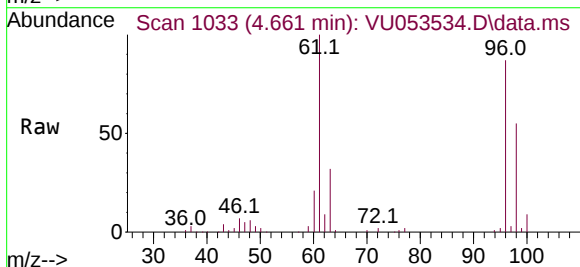
Tgt Ion: 96 Resp: 101486

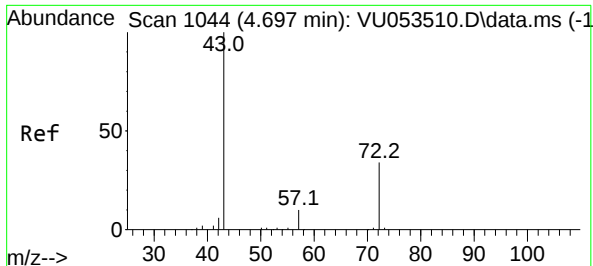
Ion Ratio Lower Upper

96 100

61 114.7 74.7 138.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 97.664 ug/L

RT: 4.694 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VU053534.D

Acq: 03 Apr 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

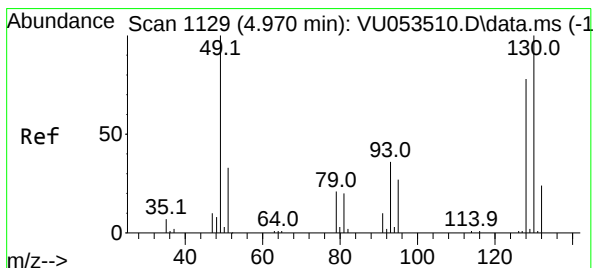
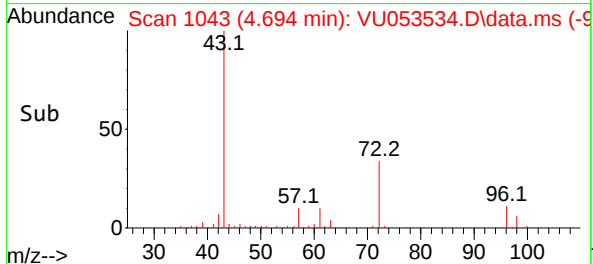
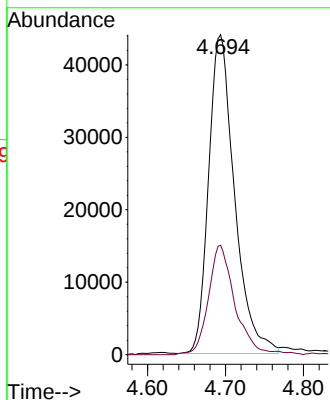
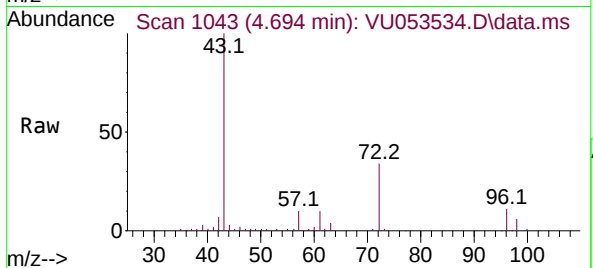
PMW-10(20230329)MS

Tgt Ion: 43 Resp: 101798

Ion Ratio Lower Upper

43 100

72 34.5 15.8 47.3



#23

Bromochloromethane

Concen: 46.135 ug/L

RT: 4.967 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VU053534.D

Acq: 03 Apr 2023 20:48

Tgt Ion:128 Resp: 49706

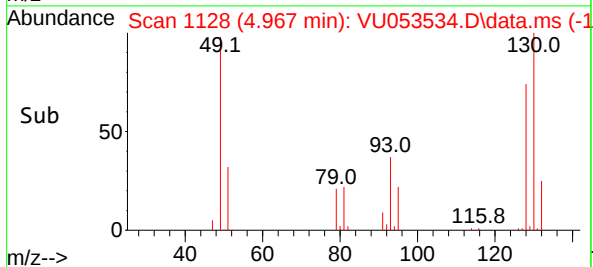
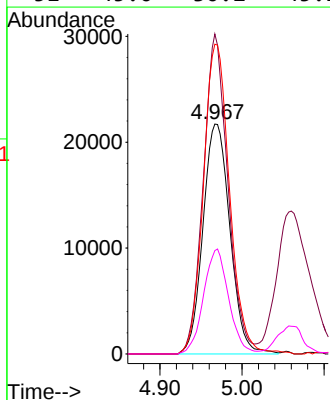
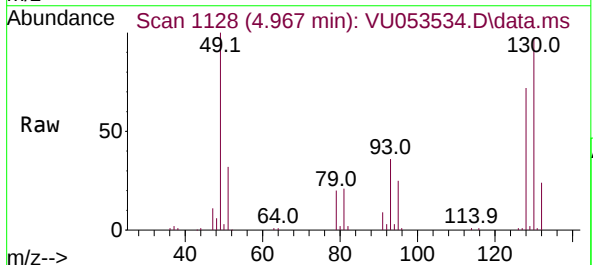
Ion Ratio Lower Upper

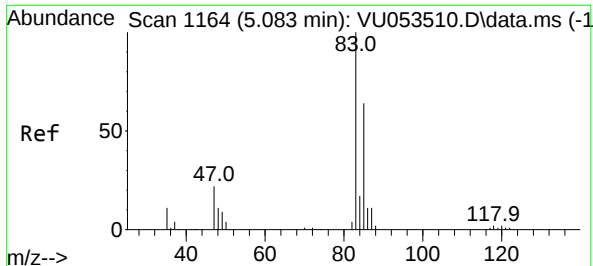
128 100

49 139.2 81.5 151.3

130 134.8 91.8 170.4

51 45.0 30.2 45.2





#25

Chloroform

Concen: 49.672 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053534.D

Acq: 03 Apr 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

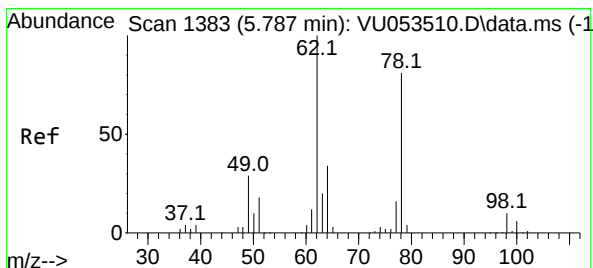
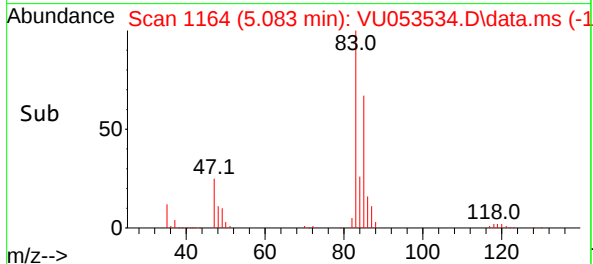
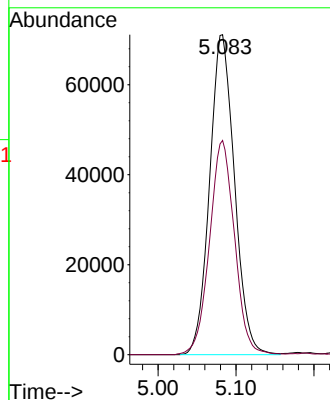
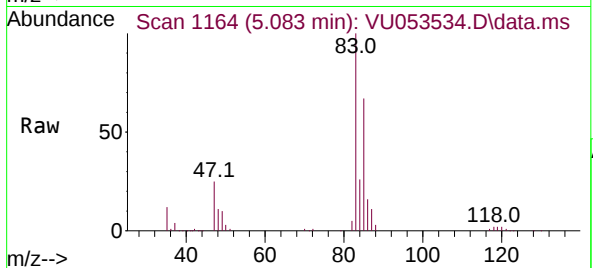
PMW-10(20230329)MS

Tgt Ion: 83 Resp: 158041

Ion Ratio Lower Upper

83 100

85 66.9 46.1 85.5



#27

1,2-Dichloroethane

Concen: 51.067 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VU053534.D

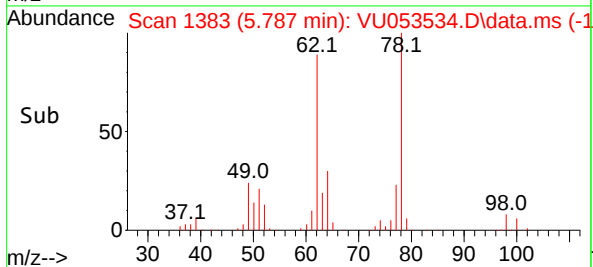
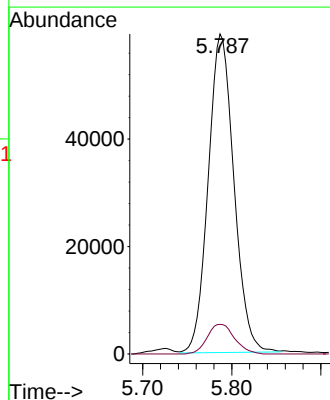
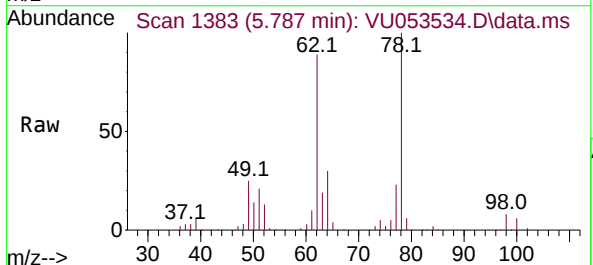
Acq: 03 Apr 2023 20:48

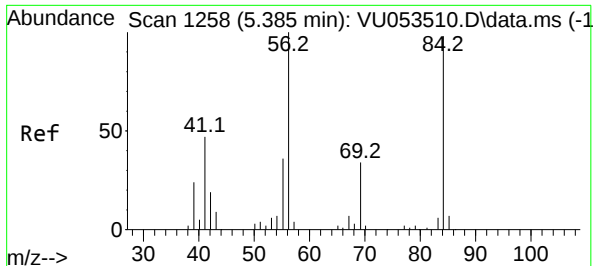
Tgt Ion: 62 Resp: 118989

Ion Ratio Lower Upper

62 100

98 9.3 8.3 12.5





#29

Cyclohexane

Concen: 50.204 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU053534.D

Acq: 03 Apr 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

PMW-10(20230329)MS

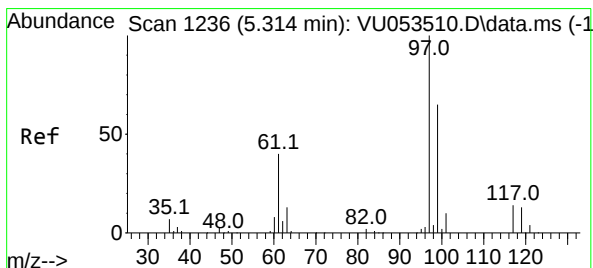
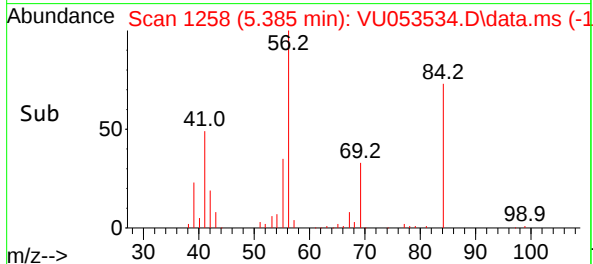
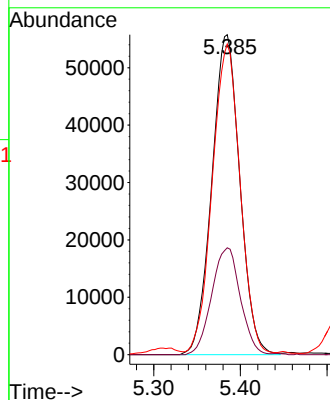
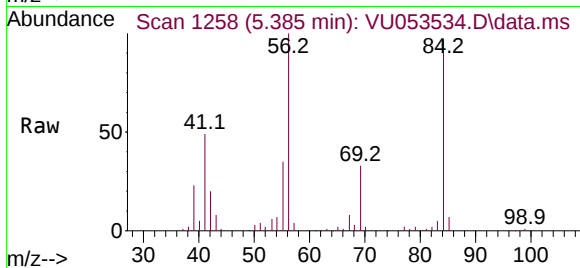
Tgt Ion: 56 Resp: 125227

Ion Ratio Lower Upper

56 100

69 34.1 27.3 40.9

84 95.1 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 48.402 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053534.D

Acq: 03 Apr 2023 20:48

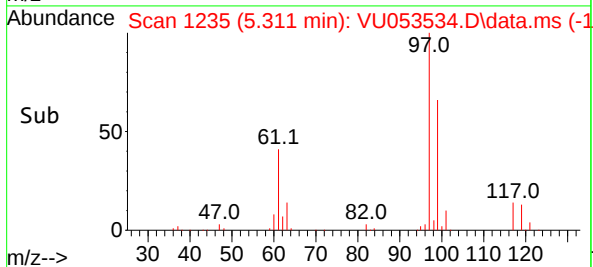
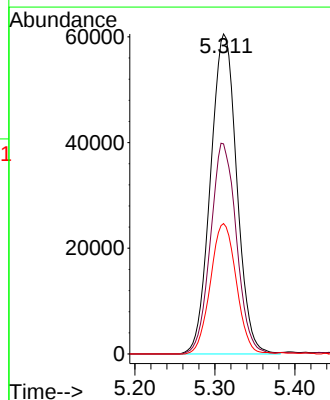
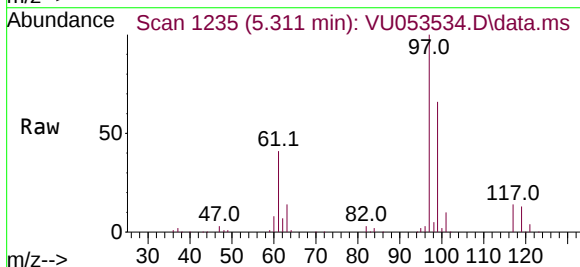
Tgt Ion: 97 Resp: 138188

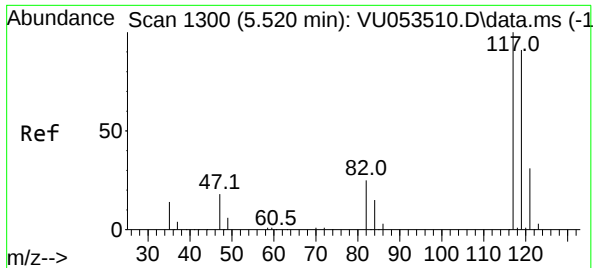
Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

61 40.1 31.0 46.4

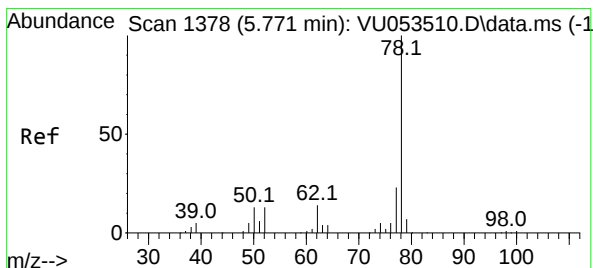
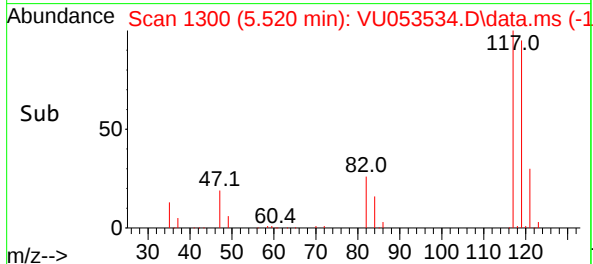
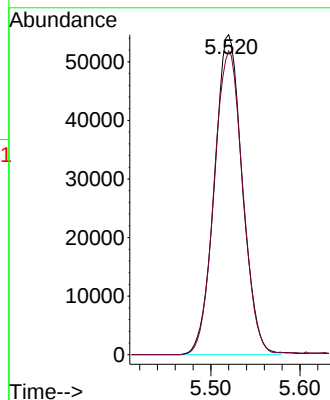
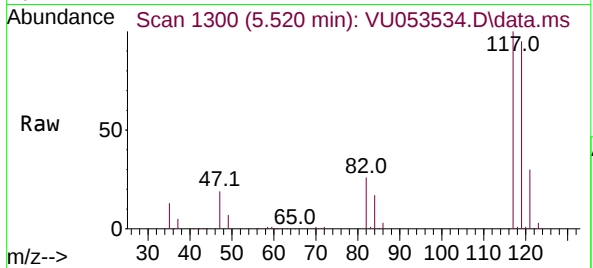




#31
Carbon tetrachloride
Concen: 46.409 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

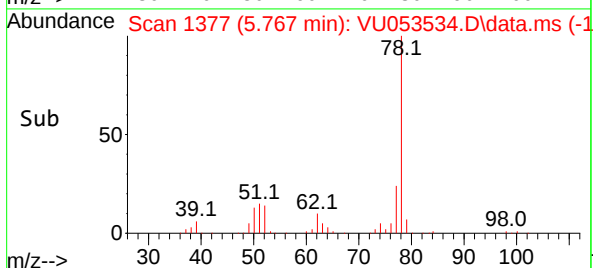
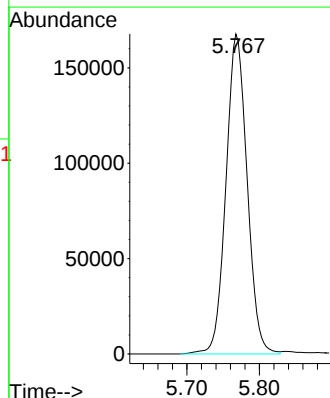
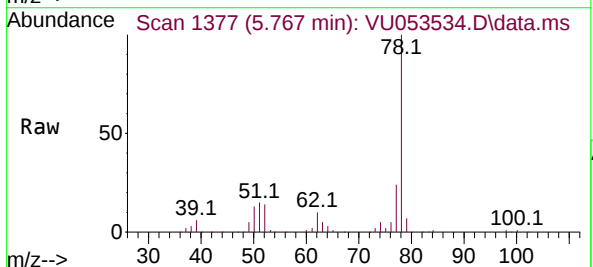
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MS

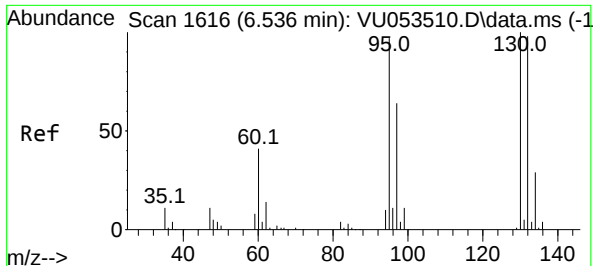
Tgt Ion:117 Resp: 118711
Ion Ratio Lower Upper
117 100
119 97.2 76.9 115.3



#33
Benzene
Concen: 50.326 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Tgt Ion: 78 Resp: 339742



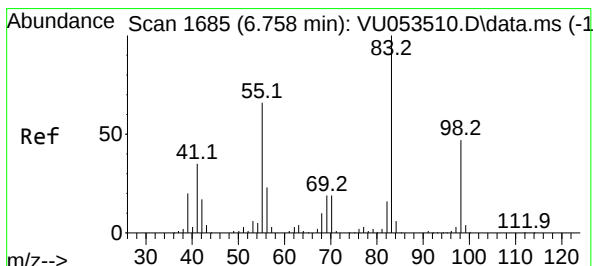
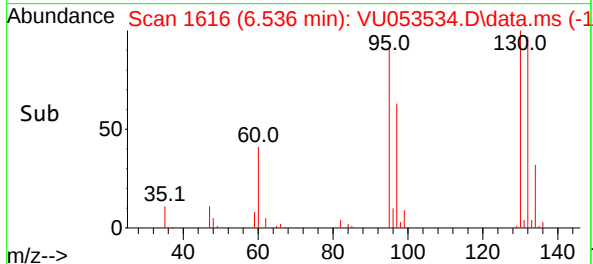
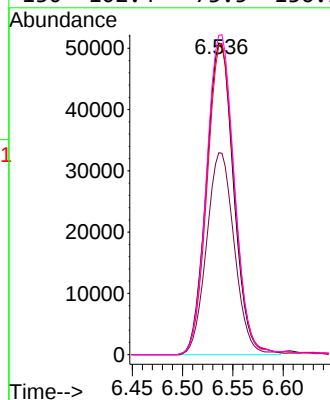
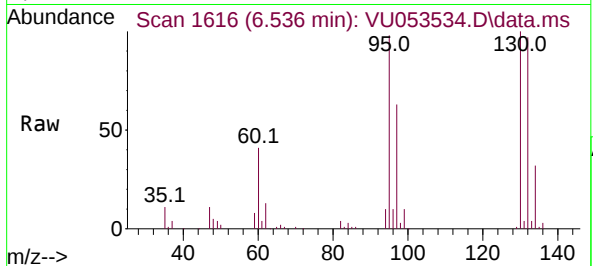


#34
Trichloroethene
Concen: 47.158 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MS

Tgt Ion: 95 Resp: 96288

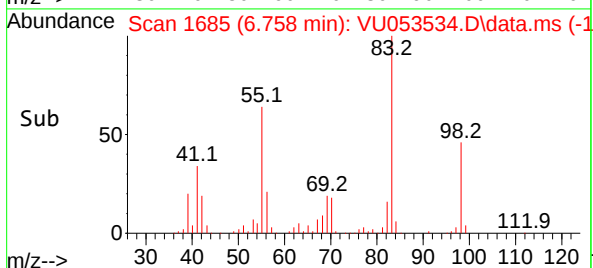
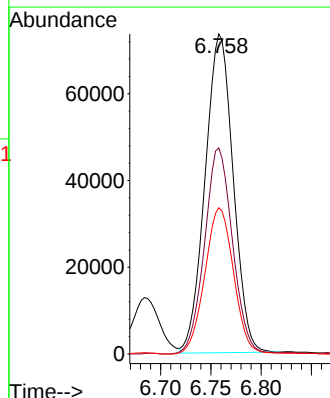
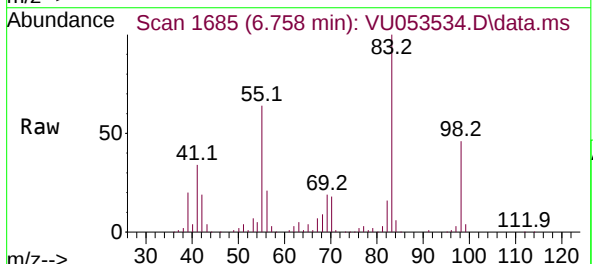
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.1	83.7
132	99.1	74.1	137.5
130	102.4	73.5	136.5

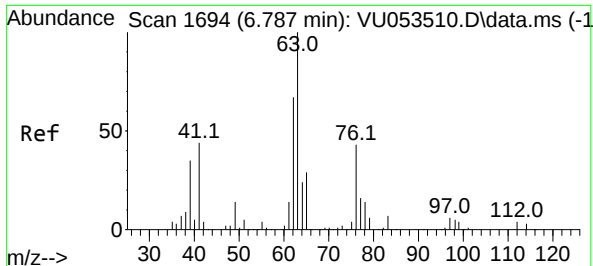


#35
Methylcyclohexane
Concen: 47.663 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Tgt Ion: 83 Resp: 143049

Ion	Ratio	Lower	Upper
83	100		
55	64.6	53.0	79.6
98	46.9	39.0	58.6

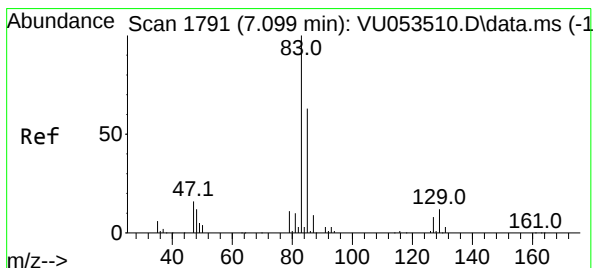
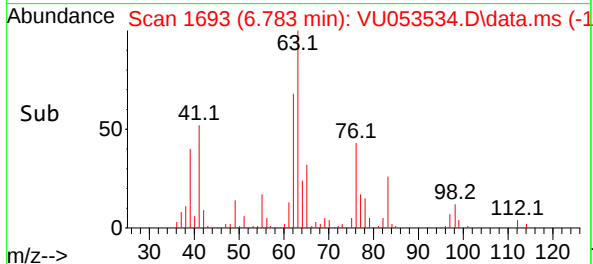
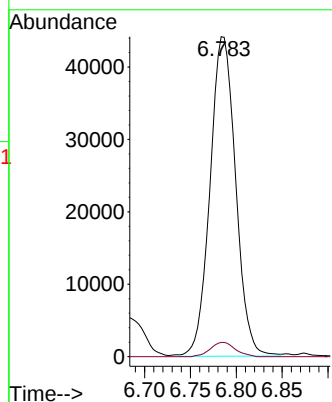
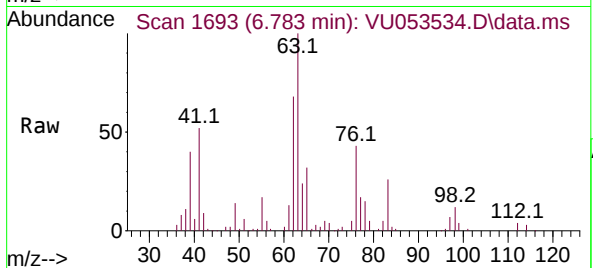




#37
1,2-Dichloropropane
Concen: 50.043 ug/L
RT: 6.783 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

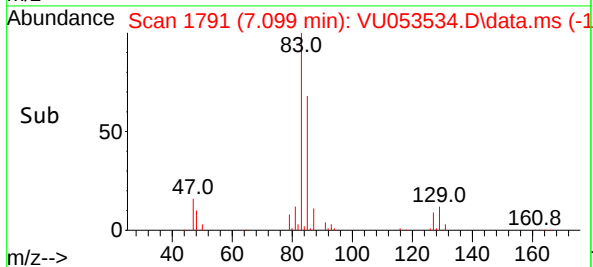
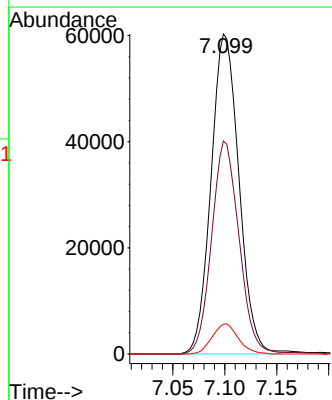
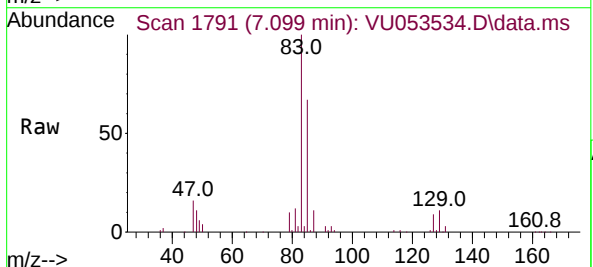
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MS

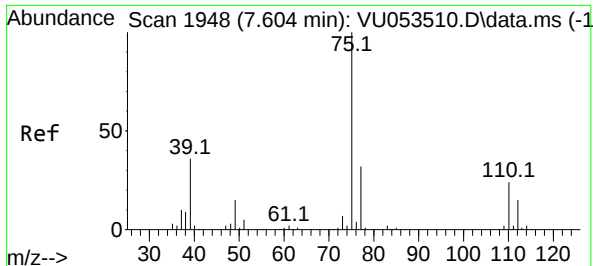
Tgt Ion: 63 Resp: 85781
Ion Ratio Lower Upper
63 100
112 4.4 3.8 5.6



#38
Bromodichloromethane
Concen: 49.151 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Tgt Ion: 83 Resp: 112397
Ion Ratio Lower Upper
83 100
85 66.5 44.4 82.5
127 9.3 8.0 12.0





#39

cis-1,3-Dichloropropene

Concen: 49.446 ug/L

RT: 7.600 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU053534.D

Acq: 03 Apr 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

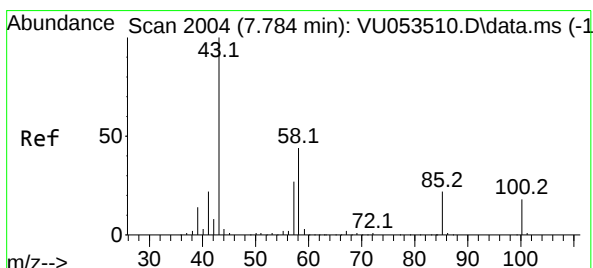
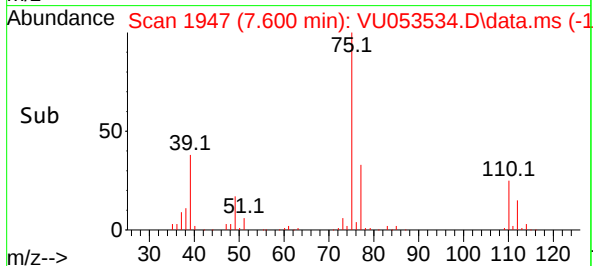
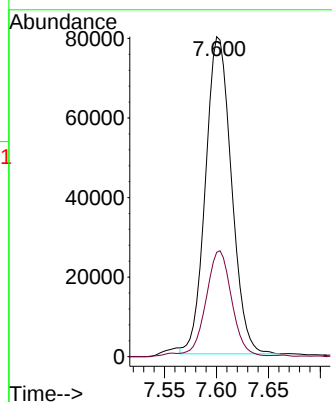
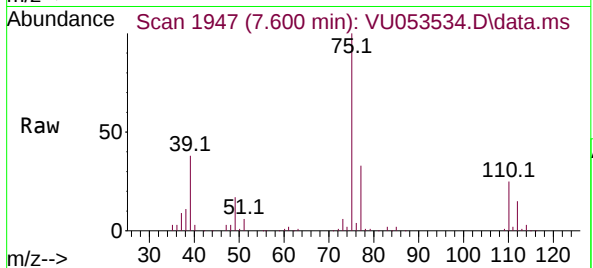
PMW-10(20230329)MS

Tgt Ion: 75 Resp: 138505

Ion Ratio Lower Upper

75 100

77 32.6 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 111.776 ug/L

RT: 7.783 min Scan# 2004

Delta R.T. -0.000 min

Lab File: VU053534.D

Acq: 03 Apr 2023 20:48

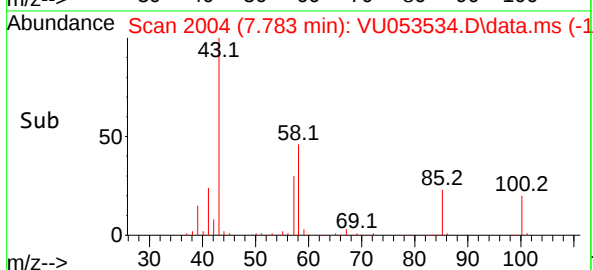
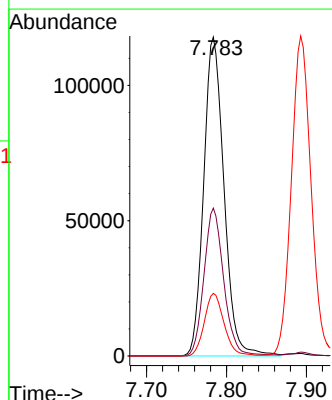
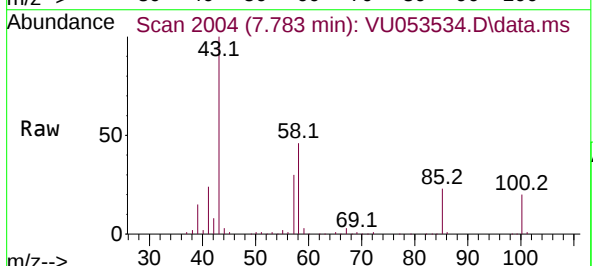
Tgt Ion: 43 Resp: 208212

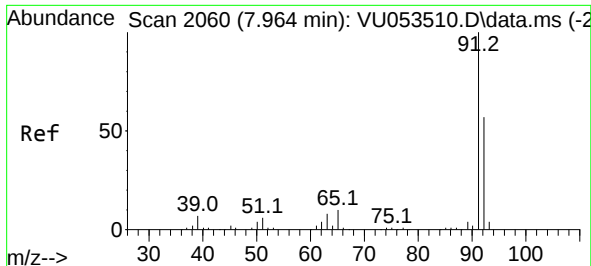
Ion Ratio Lower Upper

43 100

58 45.2 35.5 53.3

100 19.0 15.8 23.8





#42

Toluene

Concen: 50.654 ug/L

RT: 7.963 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU053534.D

Acq: 03 Apr 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

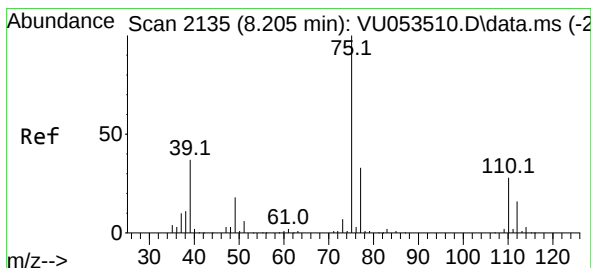
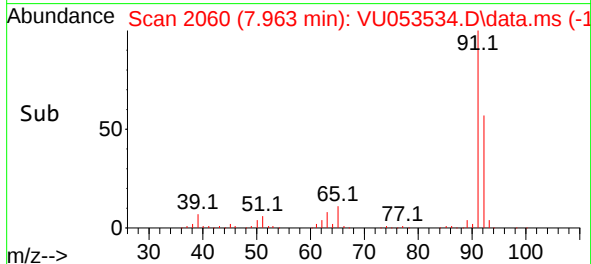
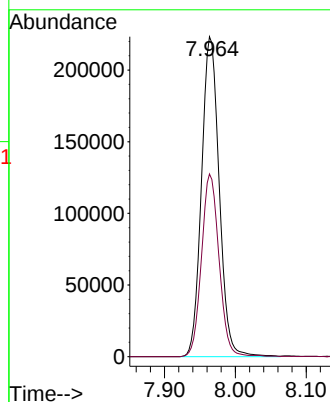
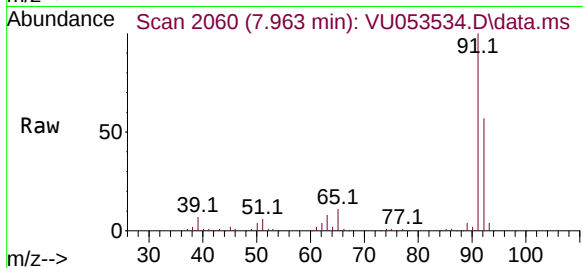
PMW-10(20230329)MS

Tgt Ion: 91 Resp: 387520

Ion Ratio Lower Upper

91 100

92 57.1 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 51.201 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053534.D

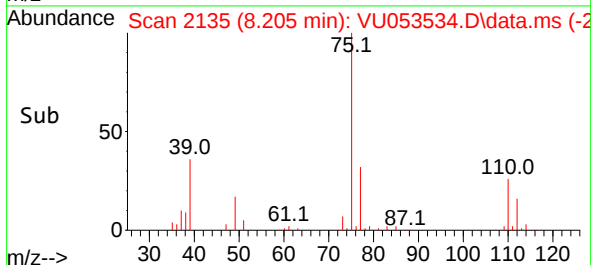
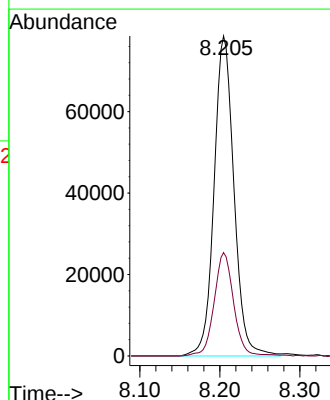
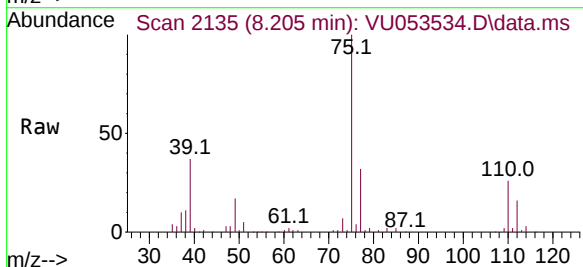
Acq: 03 Apr 2023 20:48

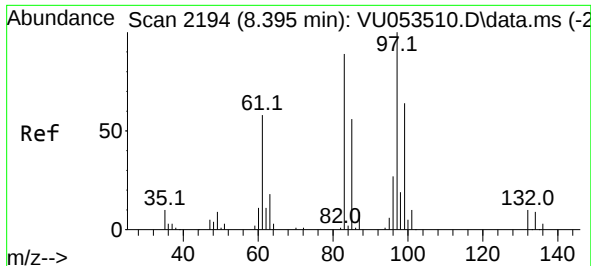
Tgt Ion: 75 Resp: 135583

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.4

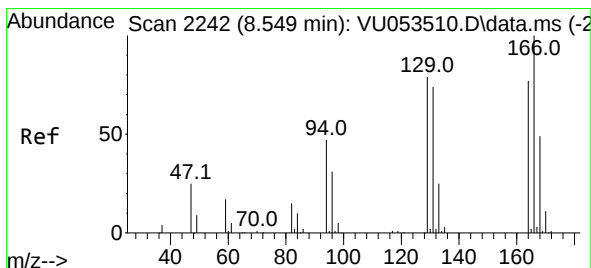
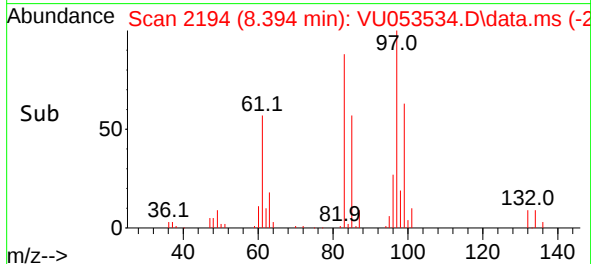
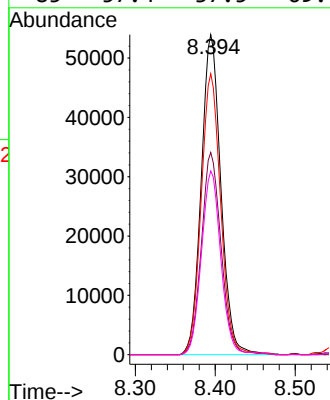
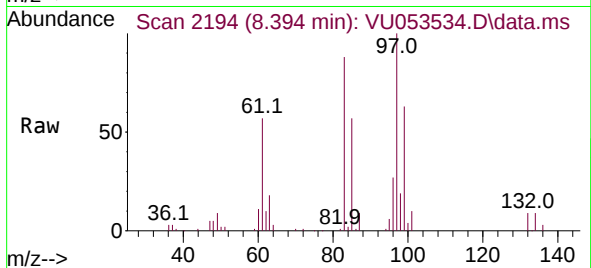




#45
1,1,2-Trichloroethane
Concen: 49.080 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

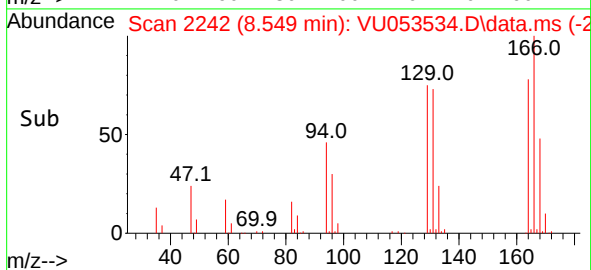
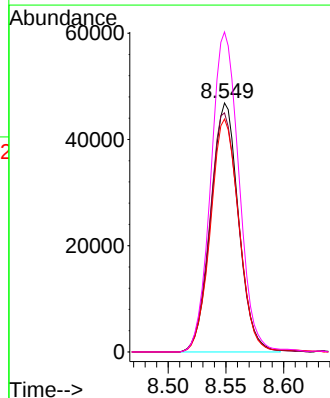
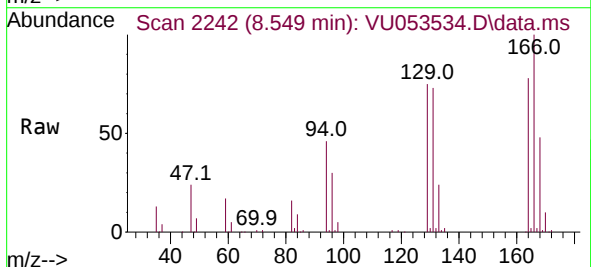
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MS

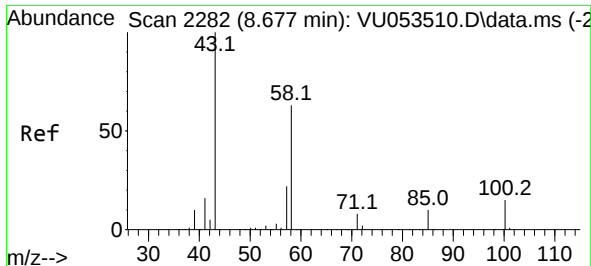
Tgt Ion:	97	Resp:	92368
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.8	81.3
83	87.8	59.0	109.6
85	57.4	37.5	69.7



#46
Tetrachloroethene
Concen: 46.409 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Tgt Ion:	164	Resp:	78633
Ion	Ratio	Lower	Upper
164	100		
129	96.0	64.0	119.0
131	93.6	61.9	115.1
166	128.5	90.6	168.2

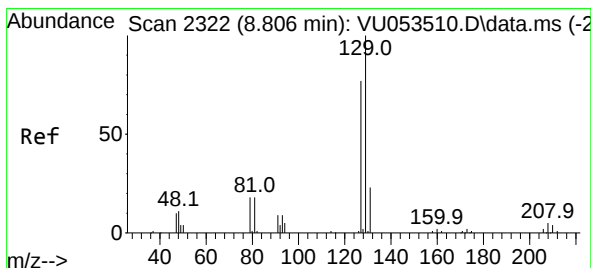
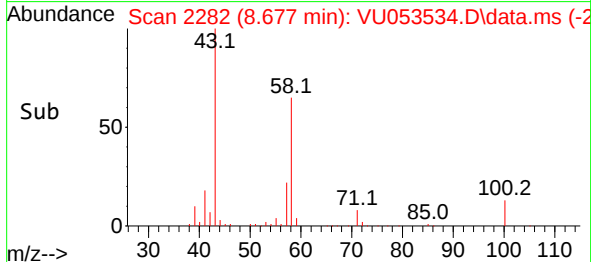
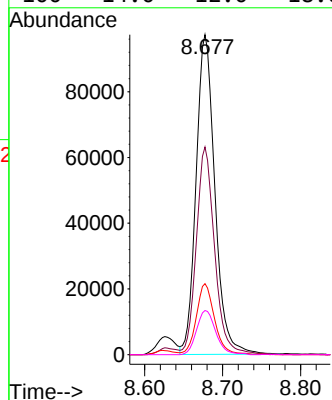
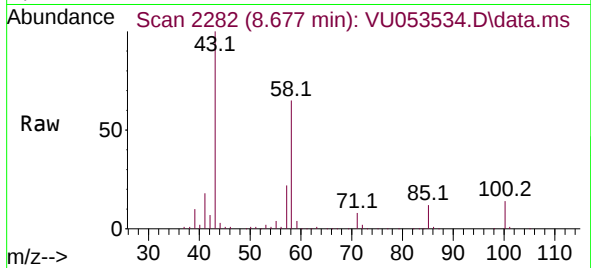




#48
2-Hexanone
Concen: 108.246 ug/L
RT: 8.677 min Scan# 2117
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

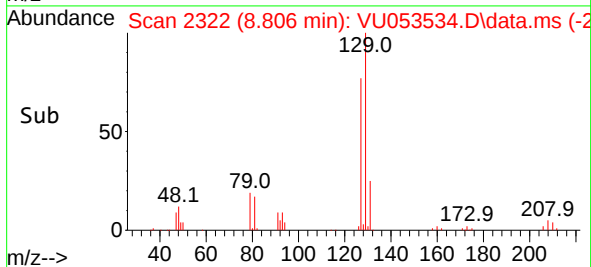
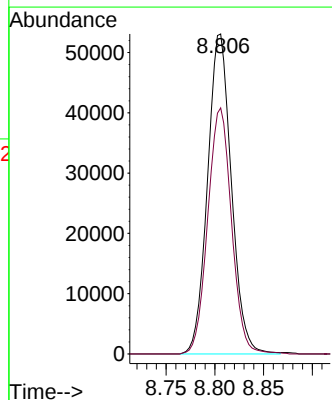
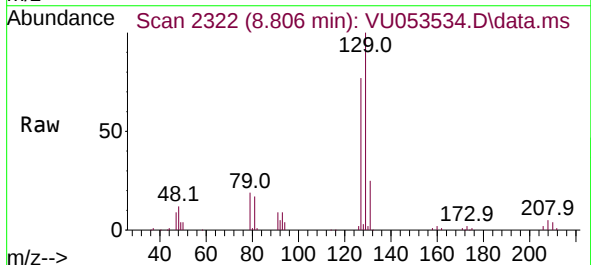
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MS

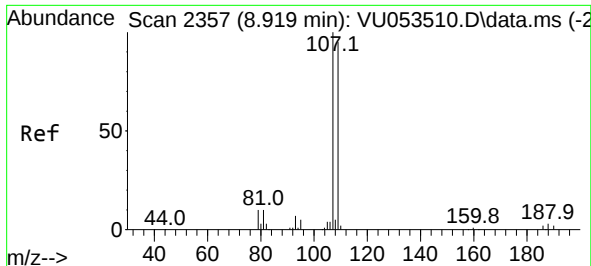
Tgt Ion:	43	Resp:	163107
Ion	Ratio	Lower	Upper
43	100		
58	62.3	49.8	74.6
57	21.6	17.8	26.6
100	14.0	12.0	18.0



#49
Dibromochloromethane
Concen: 46.143 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Tgt Ion:	129	Resp:	90297
Ion	Ratio	Lower	Upper
129	100		
127	76.9	53.5	99.3





#50

1,2-Dibromoethane

Concen: 49.089 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053534.D

Acq: 03 Apr 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

PMW-10(20230329)MS

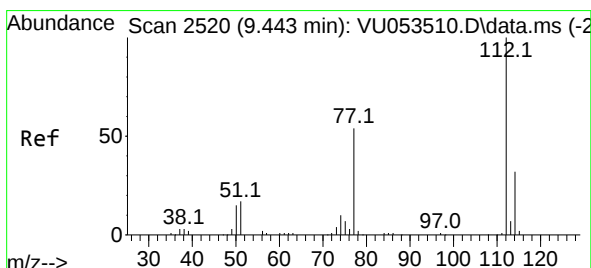
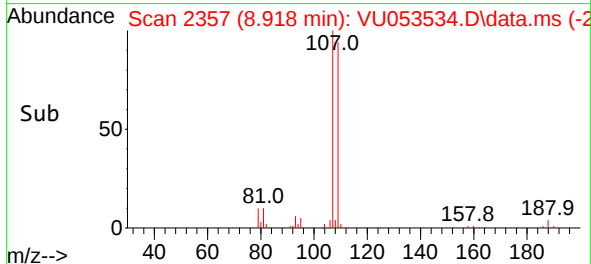
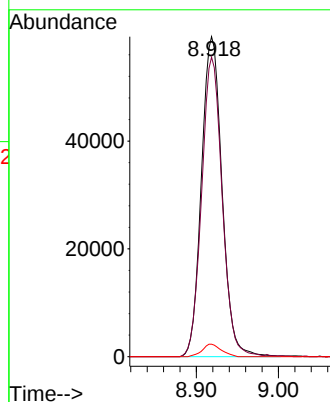
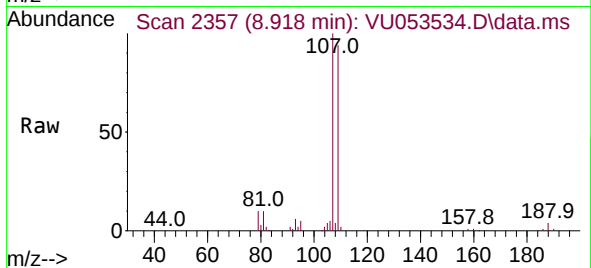
Tgt Ion:107 Resp: 103361

Ion Ratio Lower Upper

107 100

109 93.6 66.3 123.1

188 3.9 3.0 4.4



#51

Chlorobenzene

Concen: 47.311 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053534.D

Acq: 03 Apr 2023 20:48

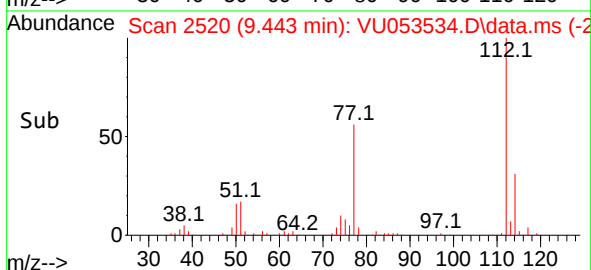
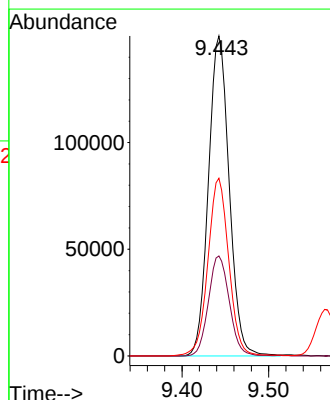
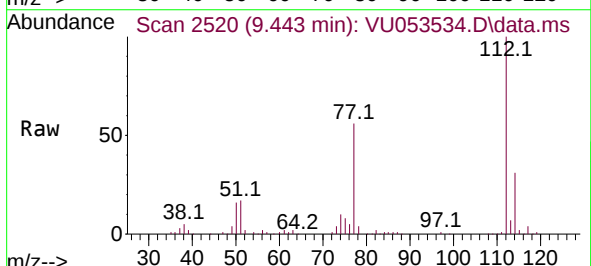
Tgt Ion:112 Resp: 249383

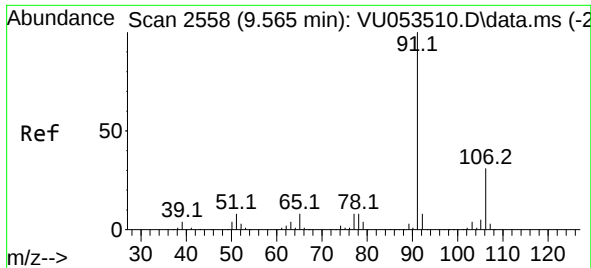
Ion Ratio Lower Upper

112 100

114 31.3 22.2 41.2

77 55.5 41.3 61.9

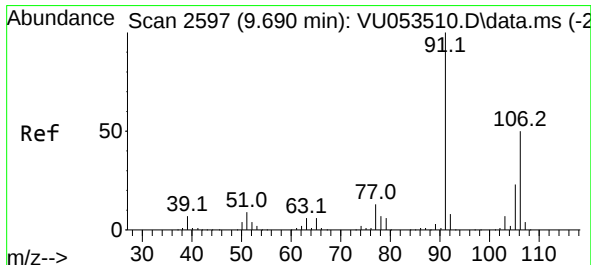
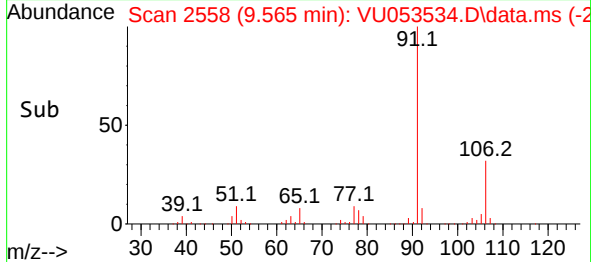
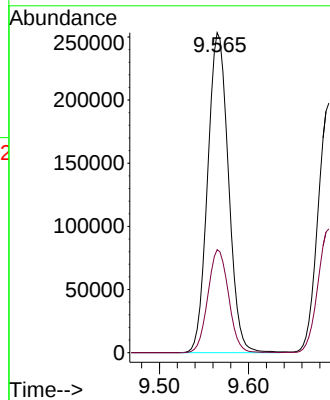
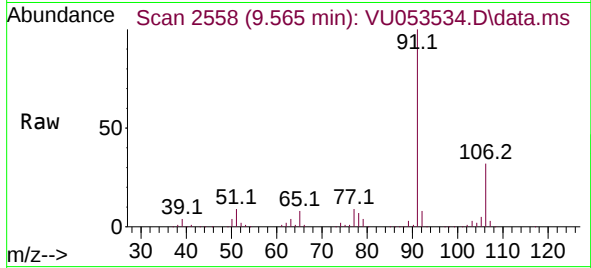




#52
Ethylbenzene
Concen: 48.212 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

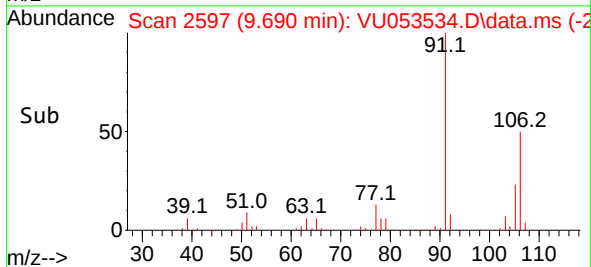
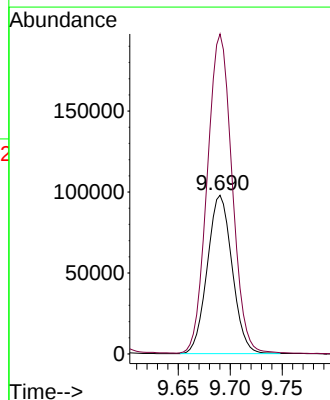
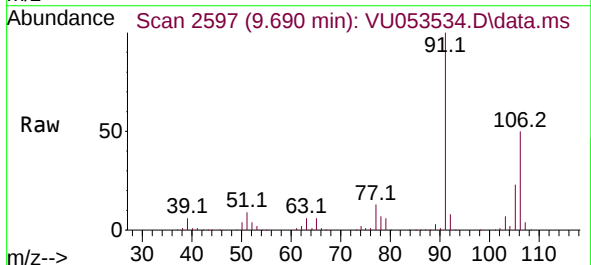
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MS

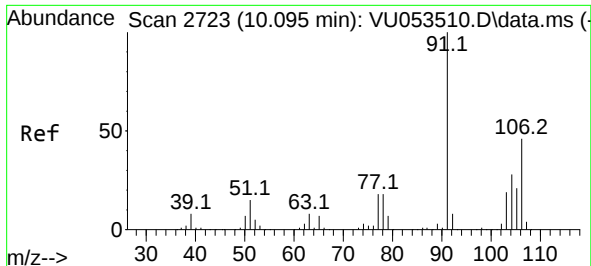
Tgt Ion: 91 Resp: 410588
Ion Ratio Lower Upper
91 100
106 32.2 22.4 41.6



#53
m,p-Xylene
Concen: 48.753 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Tgt Ion: 106 Resp: 162384
Ion Ratio Lower Upper
106 100
91 201.6 140.0 260.0

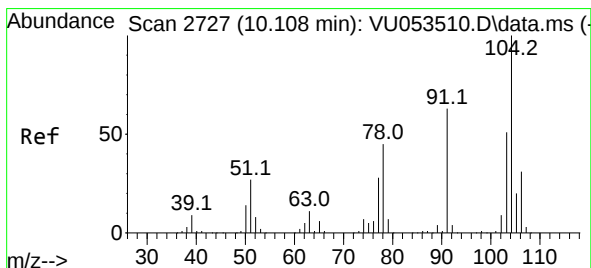
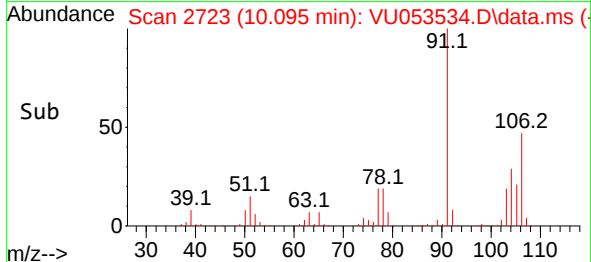
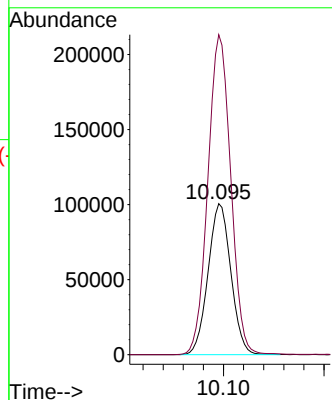
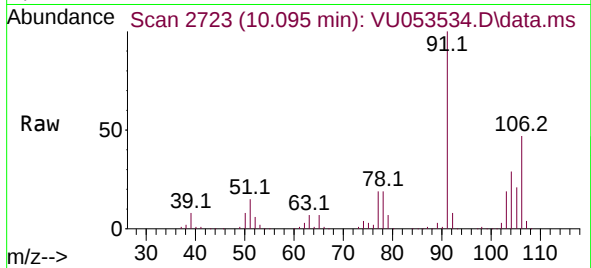




#54
o-xylene
Concen: 48.120 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

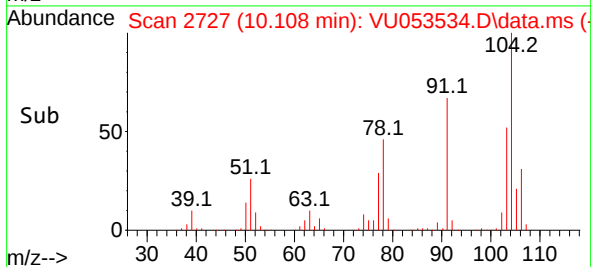
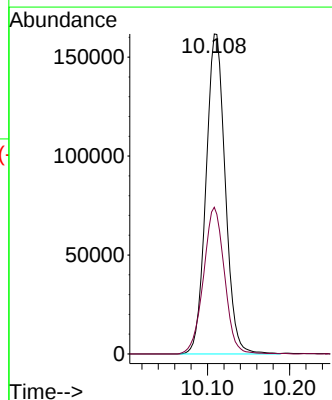
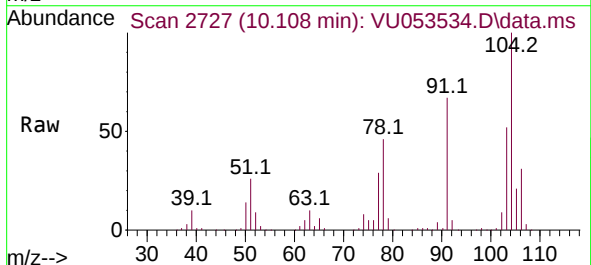
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MS

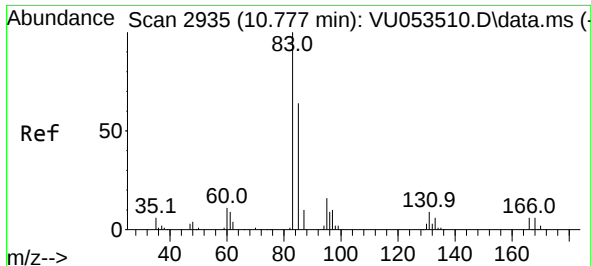
Tgt Ion:106 Resp: 158465
Ion Ratio Lower Upper
106 100
91 211.9 144.9 269.1



#55
Styrene
Concen: 49.184 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Tgt Ion:104 Resp: 263815
Ion Ratio Lower Upper
104 100
78 45.8 31.3 58.1





#57

1,1,2,2-Tetrachloroethane

Concen: 53.144 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU053534.D

Acq: 03 Apr 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

PMW-10(20230329)MS

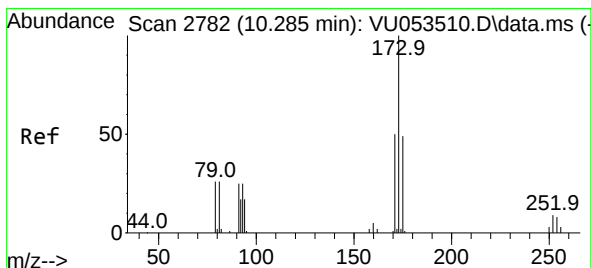
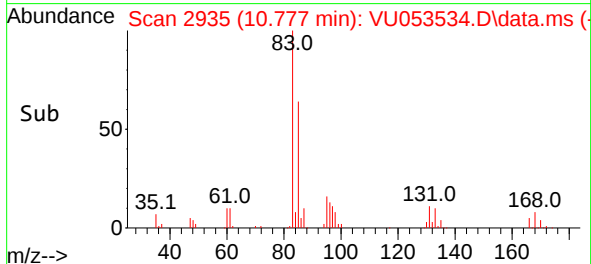
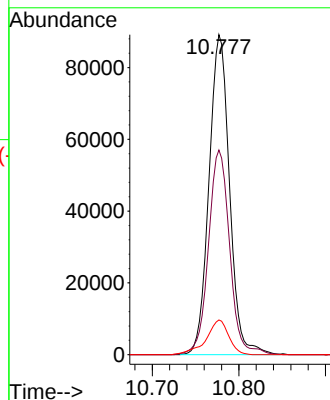
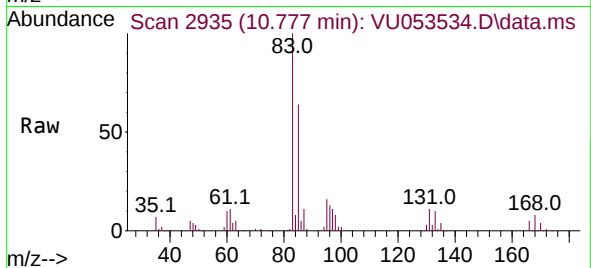
Tgt Ion: 83 Resp: 146849

Ion Ratio Lower Upper

83 100

85 64.0 47.0 87.4

131 10.9 8.7 13.1



#59

Bromoform

Concen: 46.477 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.000 min

Lab File: VU053534.D

Acq: 03 Apr 2023 20:48

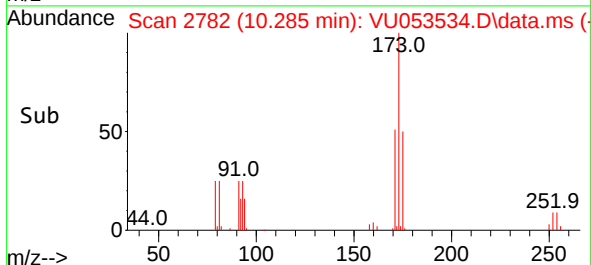
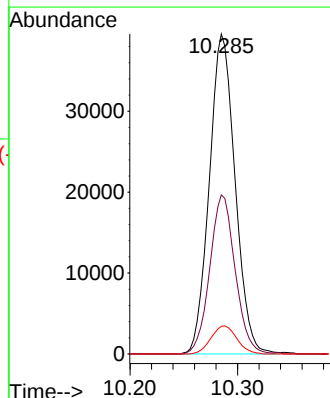
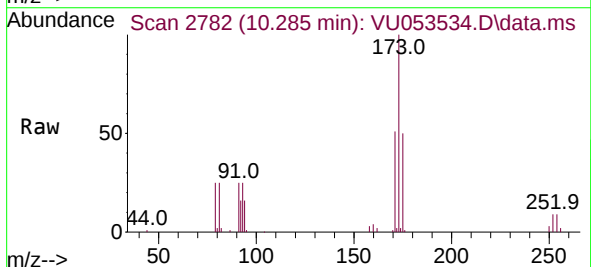
Tgt Ion:173 Resp: 65861

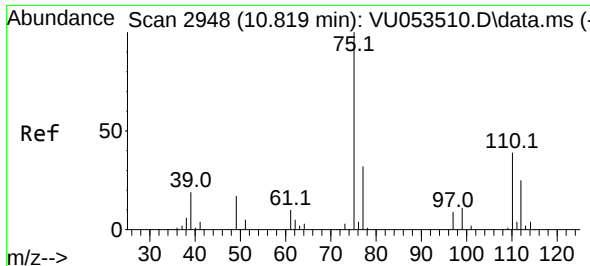
Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.6

254 8.8 7.0 10.4

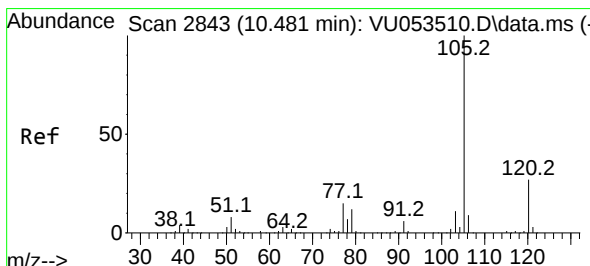
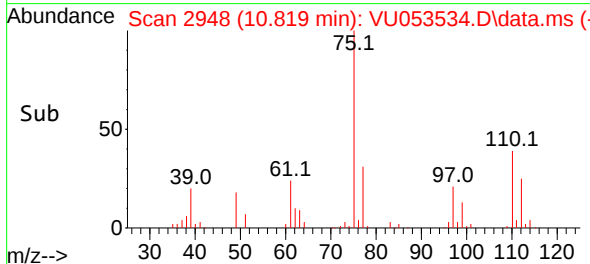
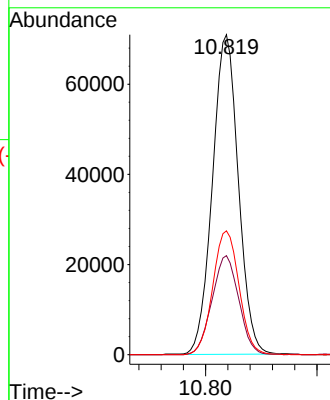
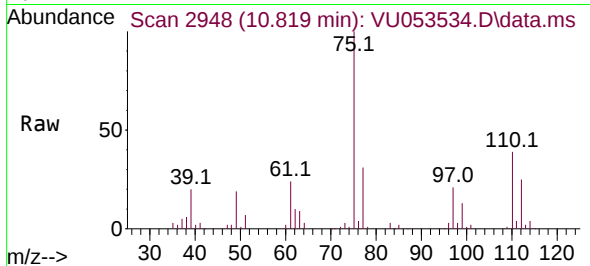




#60
1,2,3-Trichloropropane
Concen: 57.025 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

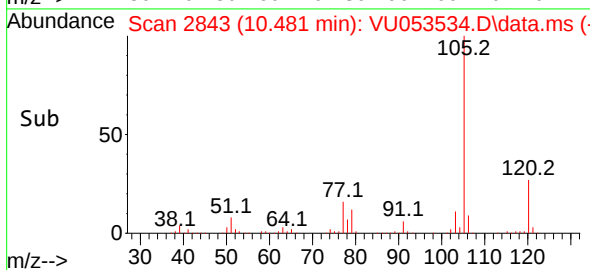
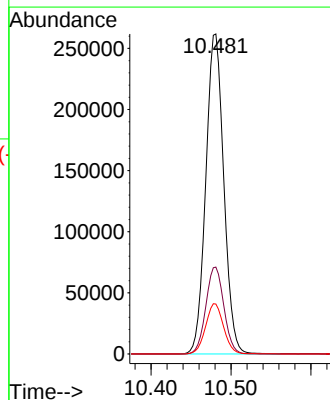
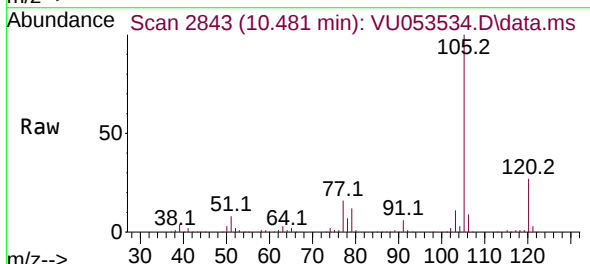
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MS

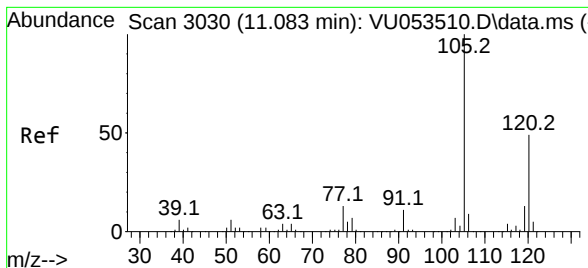
Tgt Ion:	75	Resp:	114472
Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.0	39.0
110	39.3	32.6	48.8



#61
Isopropylbenzene
Concen: 50.090 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Tgt Ion:	105	Resp:	410001
Ion	Ratio	Lower	Upper
105	100		
120	27.2	22.4	33.6
77	15.7	12.1	18.1





#62

1,3,5-Trimethylbenzene

Concen: 50.809 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU053534.D

Acq: 03 Apr 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

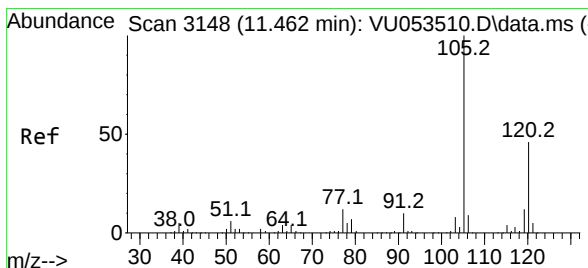
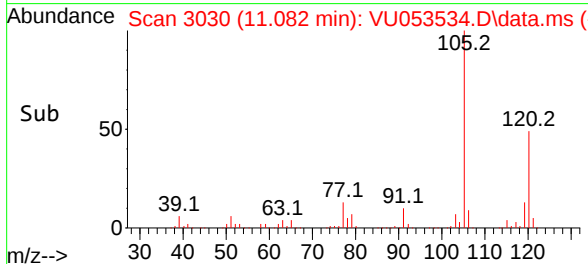
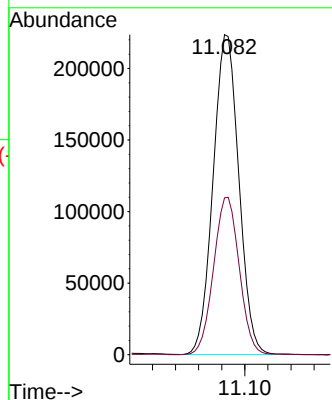
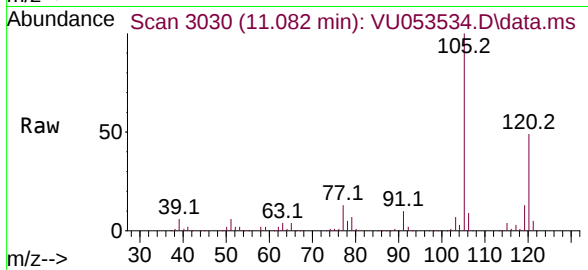
PMW-10(20230329)MS

Tgt Ion:105 Resp: 345716

Ion Ratio Lower Upper

105 100

120 49.2 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 51.050 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU053534.D

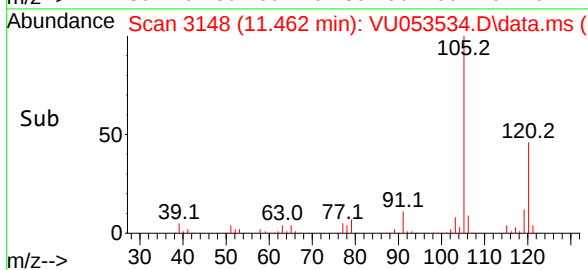
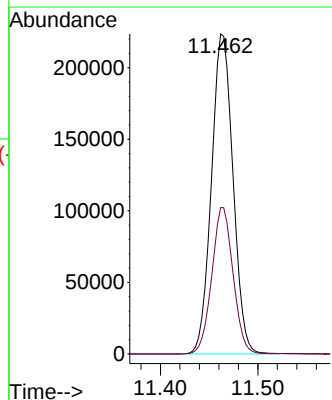
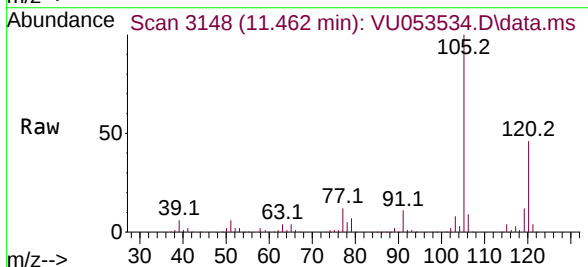
Acq: 03 Apr 2023 20:48

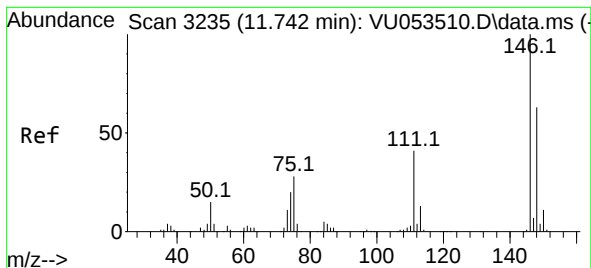
Tgt Ion:105 Resp: 344038

Ion Ratio Lower Upper

105 100

120 45.1 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 46.086 ug/L

RT: 11.741 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053534.D

Acq: 03 Apr 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

PMW-10(20230329)MS

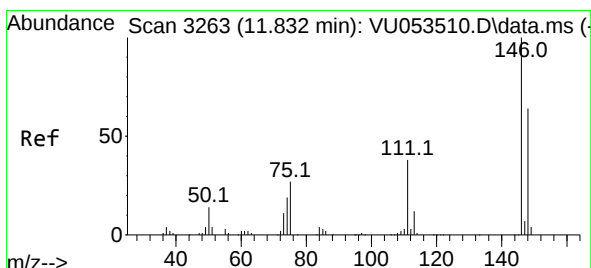
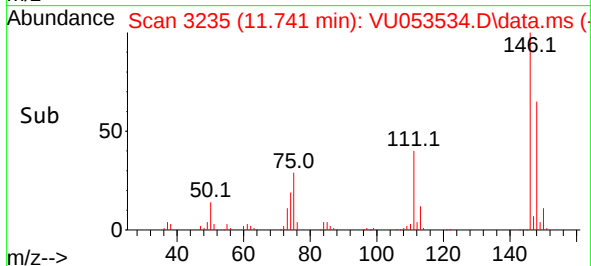
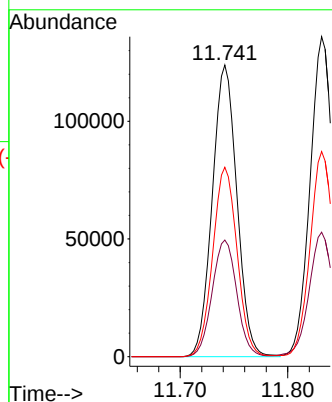
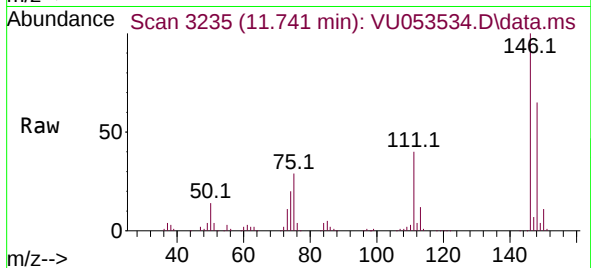
Tgt Ion:146 Resp: 197111

Ion Ratio Lower Upper

146 100

111 40.0 25.7 47.7

148 64.9 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 47.531 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. -0.000 min

Lab File: VU053534.D

Acq: 03 Apr 2023 20:48

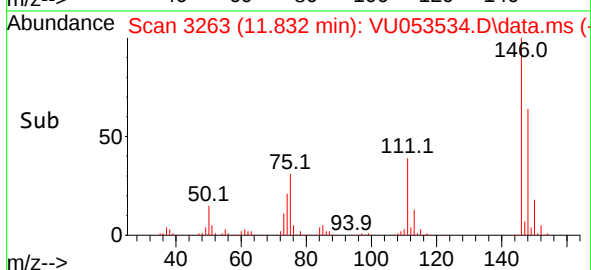
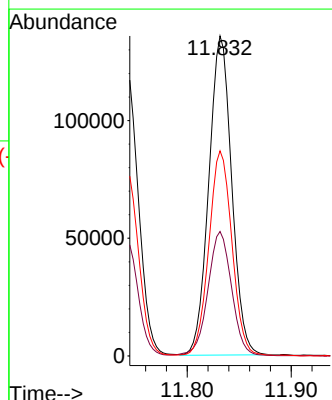
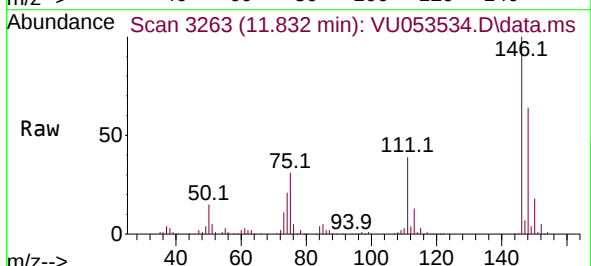
Tgt Ion:146 Resp: 207188

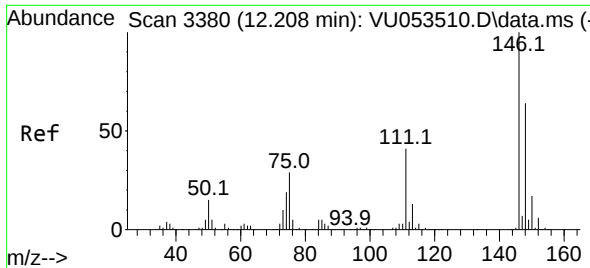
Ion Ratio Lower Upper

146 100

111 38.9 25.1 46.5

148 64.1 44.3 82.3

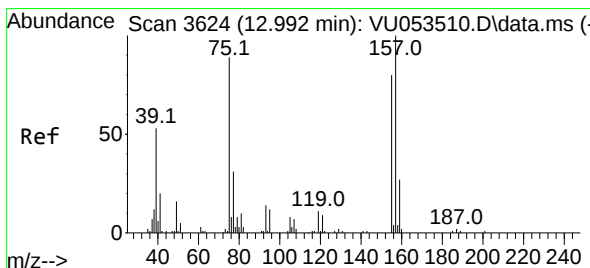
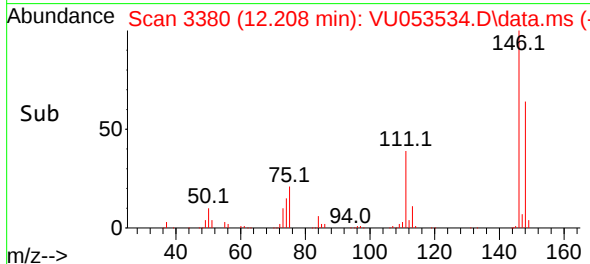
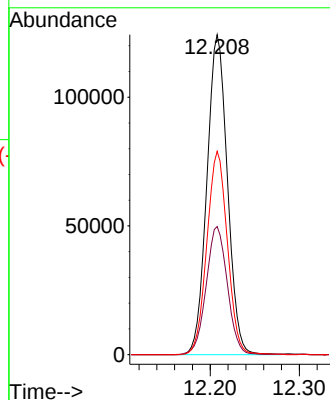
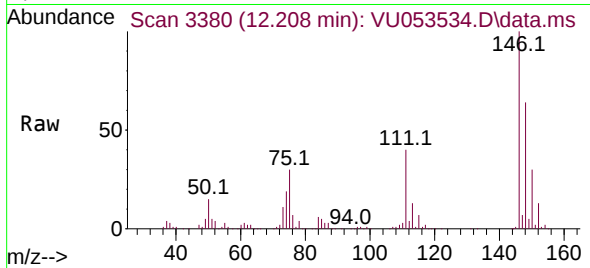




#67
1,2-Dichlorobenzene
Concen: 46.582 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

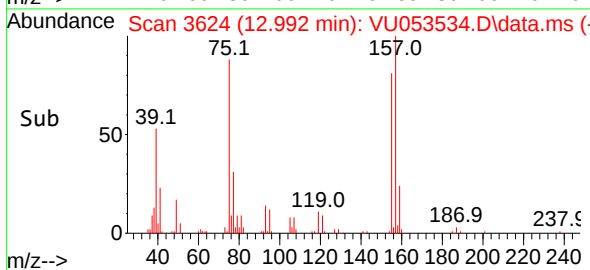
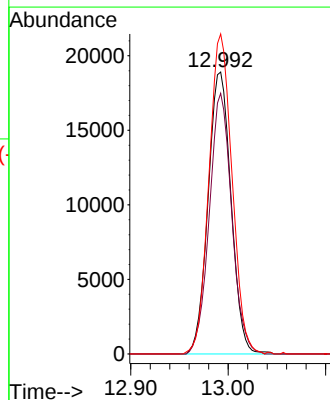
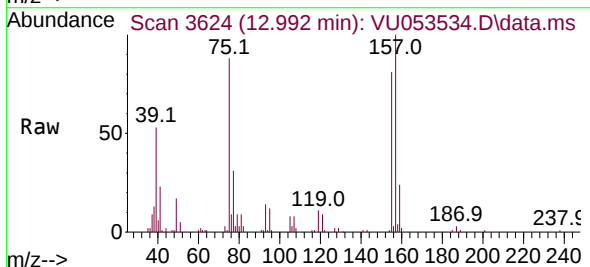
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MS

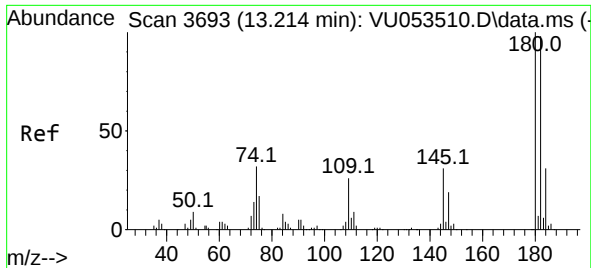
Tgt Ion:146 Resp: 198565
Ion Ratio Lower Upper
146 100
111 40.0 31.5 47.3
148 63.5 51.6 77.4



#68
1,2-Dibromo-3-chloropropane
Concen: 57.818 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.003 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Tgt Ion: 75 Resp: 30941
Ion Ratio Lower Upper
75 100
155 92.4 79.9 119.9
157 113.5 100.8 151.2

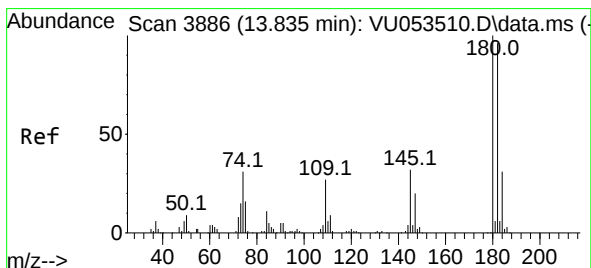
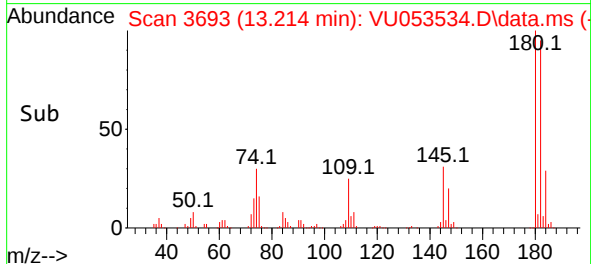
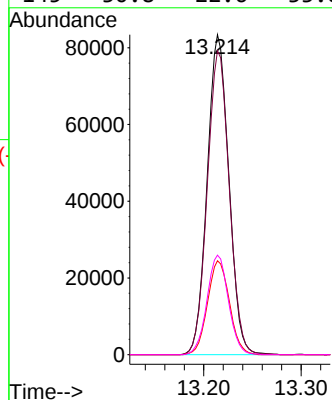
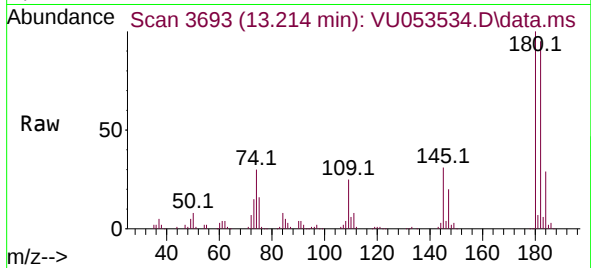




#69
1,3,5-Trichlorobenzene
Concen: 40.632 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

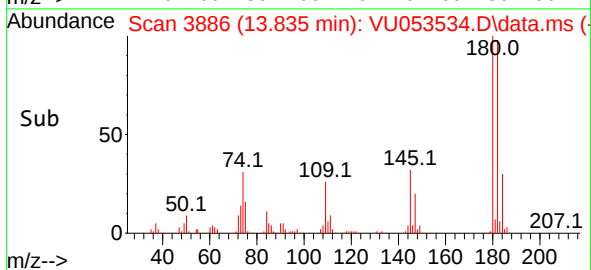
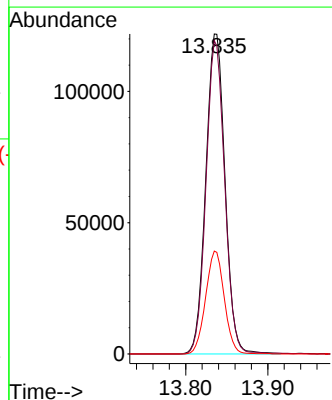
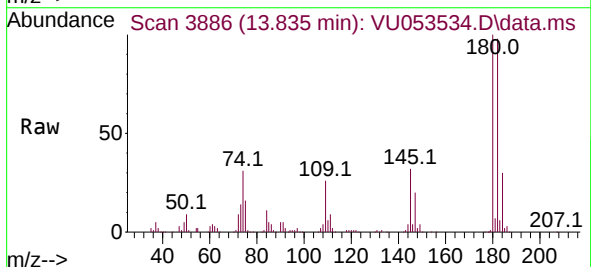
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MS

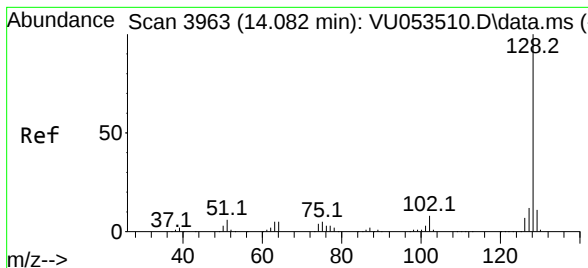
Tgt Ion:180 Resp: 128691
Ion Ratio Lower Upper
180 100
182 96.3 75.6 113.4
184 29.7 24.2 36.2
145 30.8 22.6 33.8



#70
1,2,4-trichlorobenzene
Concen: 67.474 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Tgt Ion:180 Resp: 198134
Ion Ratio Lower Upper
180 100
182 94.7 75.8 113.8
145 31.2 23.4 35.2

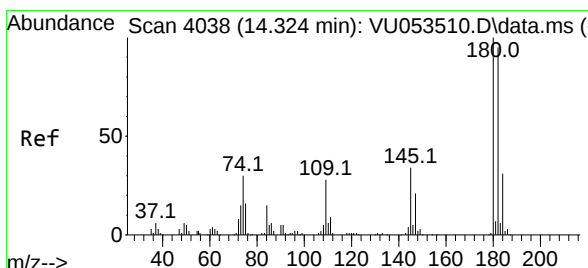
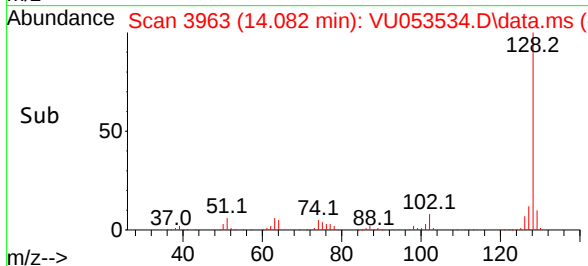
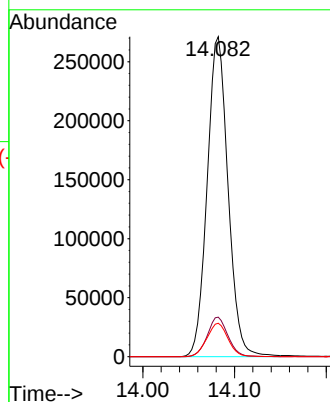
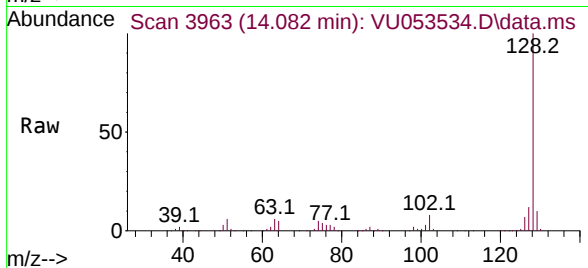




#71
Naphthalene
Concen: 48.858 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MS

Tgt Ion:128 Resp: 429425
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.2
129 10.6 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 45.591 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU053534.D
Acq: 03 Apr 2023 20:48

Tgt Ion:180 Resp: 133717
Ion Ratio Lower Upper
180 100
182 95.7 77.0 115.6
145 32.2 25.4 38.0

