

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053535.D
 Acq On : 03 Apr 2023 21:11
 Operator : JC/MD
 Sample : 02158-05MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Apr 04 05:19:57 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	255745	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	241710	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	131396	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	98503	49.464	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.920%
7) Chloroethane-d5	1.909	69	78630	51.211	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.420%
11) 1,1-Dichloroethene-d2	2.565	63	148906	48.305	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.620%
21) 2-Butanone-d5	4.613	46	115210	127.782	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	127.780%
24) Chloroform-d	5.057	84	169552	51.482	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.960%
26) 1,2-Dichloroethane-d4	5.697	65	104229	53.559	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.120%
32) Benzene-d6	5.722	84	333558	51.125	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.240%
36) 1,2-Dichloropropane-d6	6.684	67	103526	51.913	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.820%
41) Toluene-d8	7.893	98	321285	49.545	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.100%
43) trans-1,3-Dichloroprop...	8.176	79	53643	52.111	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.220%
47) 2-Hexanone-d5	8.626	63	88606	130.188	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	130.190%#
56) 1,1,2,2-Tetrachloroeth...	10.751	84	157401	56.000	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.000%
66) 1,2-Dichlorobenzene-d4	12.188	152	131011	47.767	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.540%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	100739	48.532	ug/L	98
3) Chloromethane	1.520	50	94898	55.637	ug/L	97
5) Vinyl chloride	1.604	62	111851	56.584	ug/L	100
6) Bromomethane	1.848	94	68422	47.571	ug/L	99
8) Chloroethane	1.928	64	64925	54.610	ug/L	94
9) Trichlorofluoromethane	2.134	101	151641	49.876	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	83526	47.436	ug/L	95
12) 1,1-Dichloroethene	2.575	96	77851	49.610	ug/L	92
13) Acetone	2.616	43	63886	78.844	ug/L	98
14) Carbon disulfide	2.790	76	219414	52.856	ug/L	98
15) Methyl Acetate	2.941	43	71385	57.517	ug/L	95
16) Methylene chloride	3.041	84	88653	50.261	ug/L	97
17) trans-1,2-Dichloroethene	3.346	96	81532	51.697	ug/L	94
18) Methyl tert-butyl Ether	3.356	73	252049	54.830	ug/L	99
19) 1,1-Dichloroethane	3.864	63	159895	61.204	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	99444	54.590	ug/L	92
22) 2-Butanone	4.694	43	103604	105.541	ug/L	96
23) Bromochloromethane	4.970	128	49356	48.641	ug/L	92
25) Chloroform	5.083	83	159470	53.220	ug/L	99

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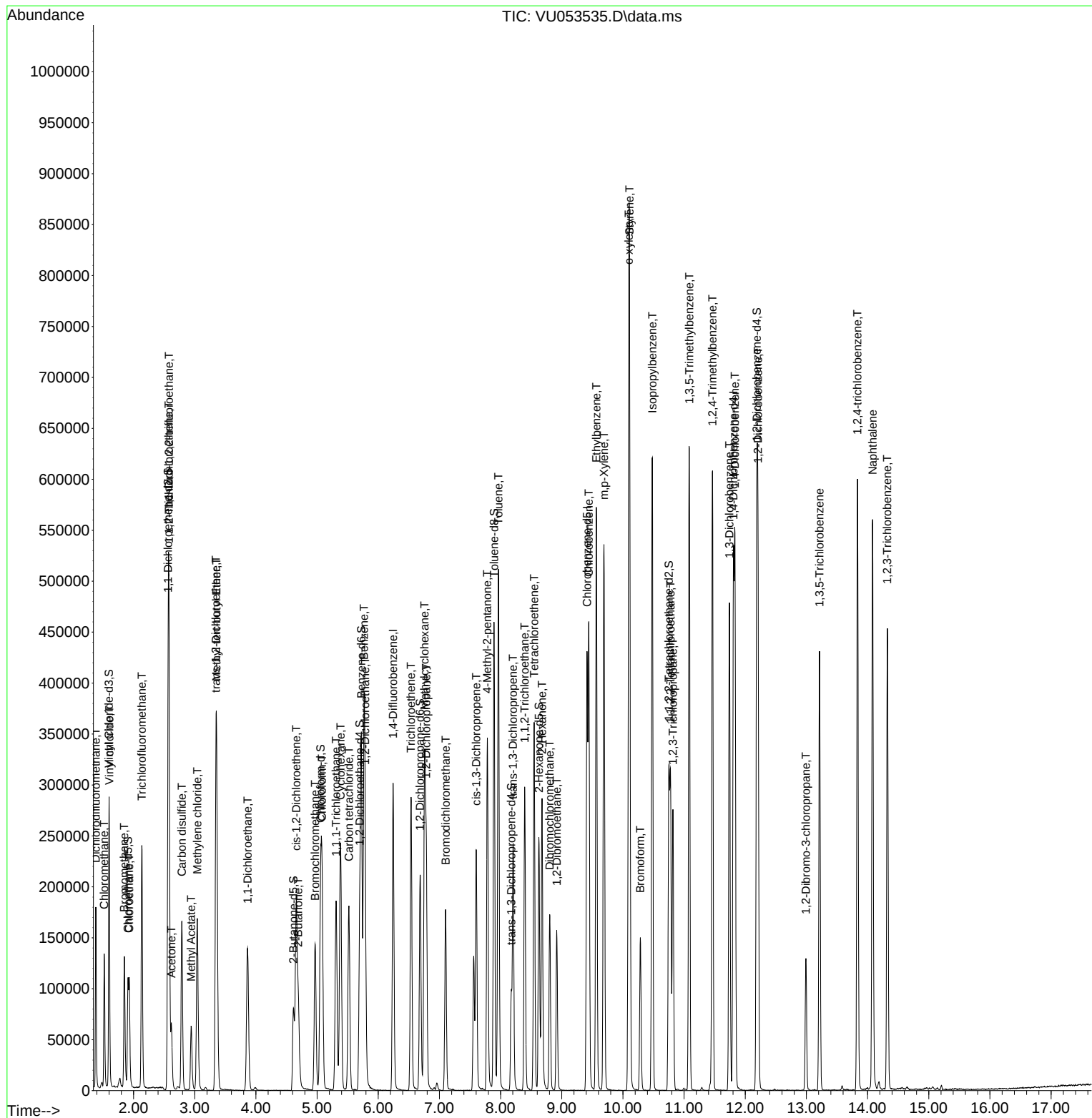
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	117033	53.332	ug/L	96
29) Cyclohexane	5.385	56	124512	53.510	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	136498	51.251	ug/L	99
31) Carbon tetrachloride	5.520	117	120715	50.588	ug/L	99
33) Benzene	5.767	78	340074	54.001	ug/L	100
34) Trichloroethene	6.536	95	96037	50.421	ug/L	95
35) Methylcyclohexane	6.758	83	143879	51.389	ug/L	98
37) 1,2-Dichloropropane	6.783	63	87467	54.699	ug/L	98
38) Bromodichloromethane	7.102	83	114260	53.562	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	138361	52.949	ug/L	97
40) 4-Methyl-2-pentanone	7.783	43	209408	120.509	ug/L	99
42) Toluene	7.963	91	383774	53.774	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	138560	56.091	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	91625	52.189	ug/L	97
46) Tetrachloroethene	8.549	164	79046	50.010	ug/L	94
48) 2-Hexanone	8.677	43	164058	116.714	ug/L	99
49) Dibromochloromethane	8.803	129	90098	49.355	ug/L	95
50) 1,2-Dibromoethane	8.918	107	100997	51.419	ug/L #	99
51) Chlorobenzene	9.443	112	248680	50.573	ug/L	94
52) Ethylbenzene	9.565	91	415325	52.278	ug/L	100
53) m,p-Xylene	9.690	106	162421	52.274	ug/L	99
54) o-xylene	10.095	106	158226	51.506	ug/L	93
55) Styrene	10.108	104	263232	52.608	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	147044	57.045	ug/L	98
59) Bromoform	10.285	173	65969	49.051	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	114192	59.937	ug/L	99
61) Isopropylbenzene	10.481	105	415918	53.539	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	347285	53.777	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	347758	54.370	ug/L	97
64) 1,3-Dichlorobenzene	11.741	146	199244	49.084	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	209802	50.712	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	199504	49.313	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	31714	62.441	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	131243	43.661	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	187668	67.338	ug/L	97
71) Naphthalene	14.082	128	462578	55.453	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	139520	50.121	ug/L	97

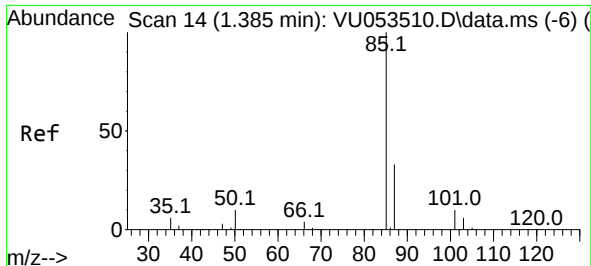
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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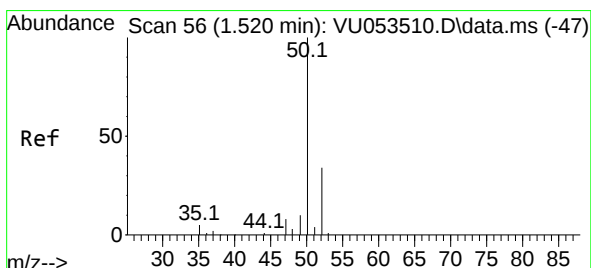
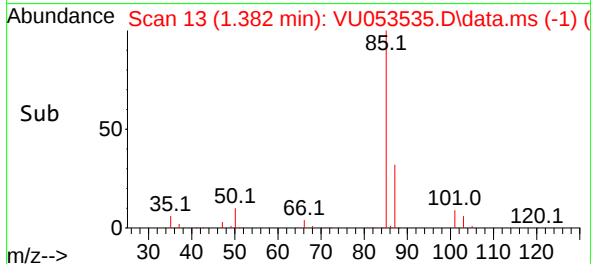
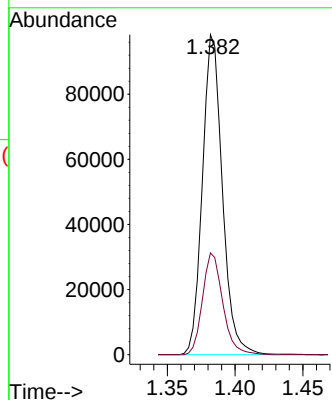
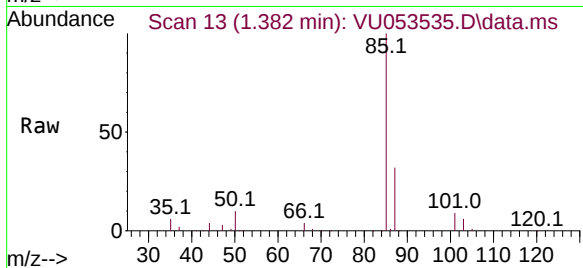




#2
Dichlorodifluoromethane
Concen: 48.532 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

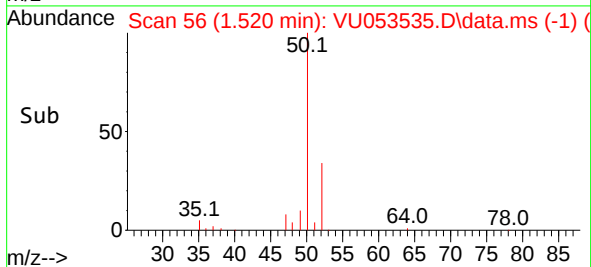
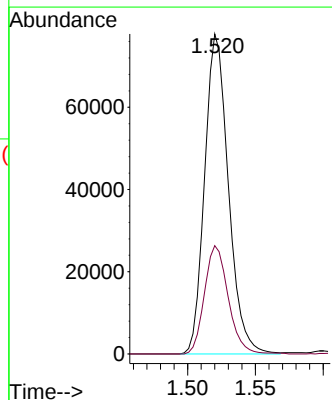
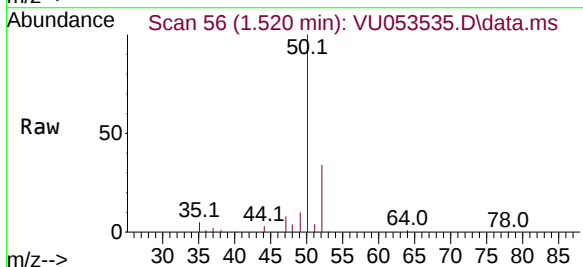
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MSD

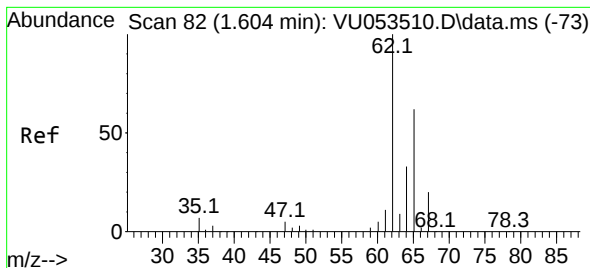
Tgt Ion: 85 Resp: 100739
Ion Ratio Lower Upper
85 100
87 32.1 26.4 39.6



#3
Chloromethane
Concen: 55.637 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

Tgt Ion: 50 Resp: 94898
Ion Ratio Lower Upper
50 100
52 33.9 22.7 42.1





#5

Vinyl chloride

Concen: 56.584 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

Instrument :

MSVOA_U

ClientSampleId :

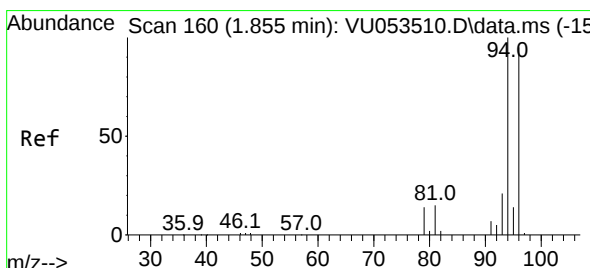
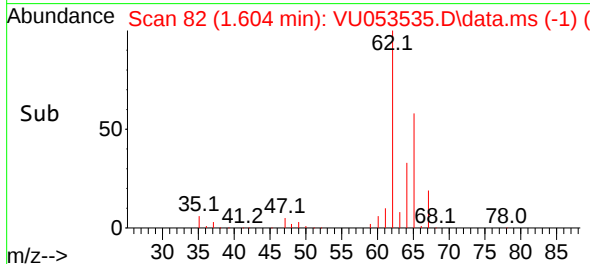
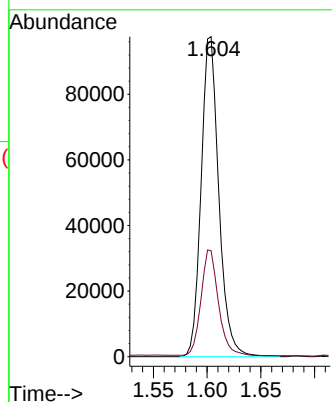
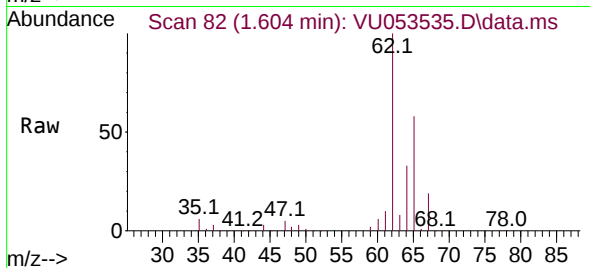
PMW-10(20230329)MSD

Tgt Ion: 62 Resp: 111851

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.0



#6

Bromomethane

Concen: 47.571 ug/L

RT: 1.848 min Scan# 158

Delta R.T. -0.003 min

Lab File: VU053535.D

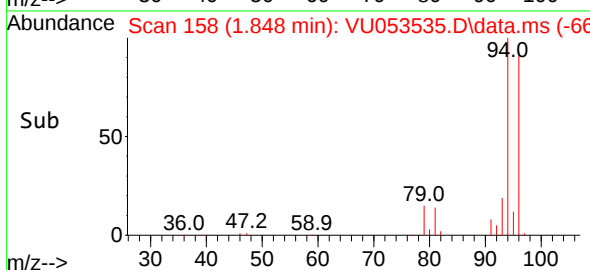
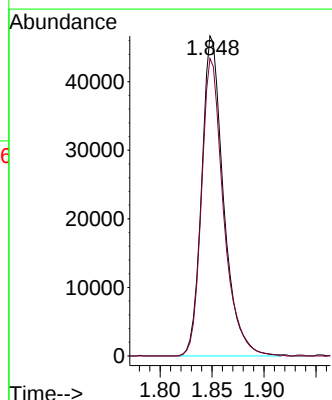
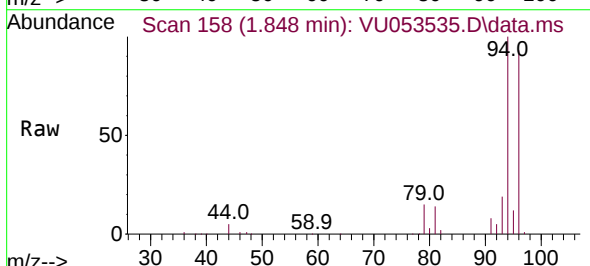
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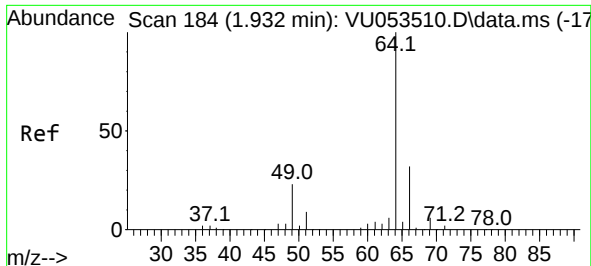
Tgt Ion: 94 Resp: 68422

Ion Ratio Lower Upper

94 100

96 93.0 64.4 119.6

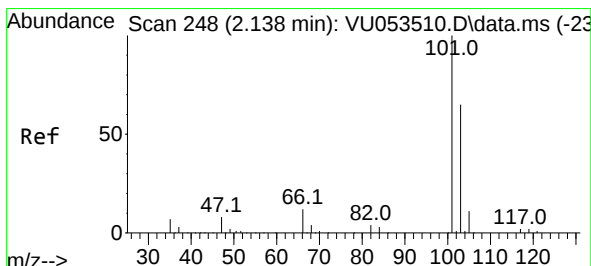
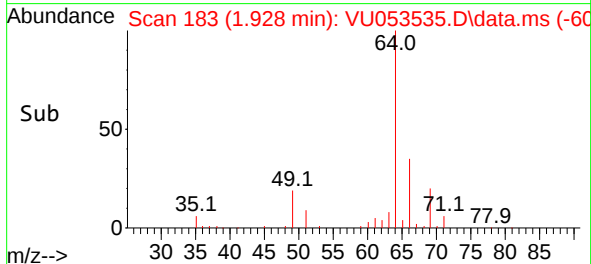
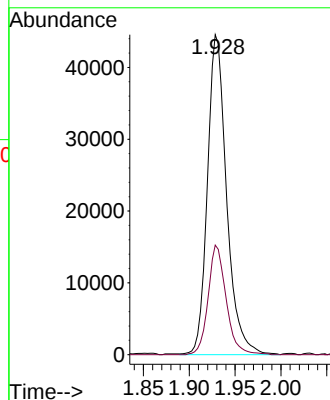
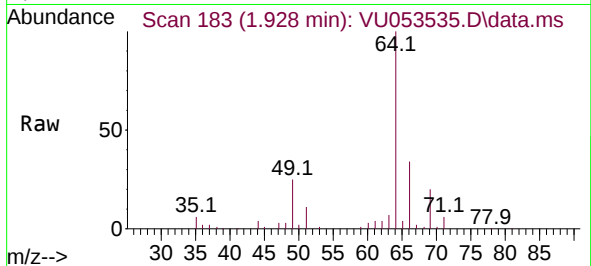




#8
Chloroethane
Concen: 54.610 ug/L
RT: 1.928 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053535.D
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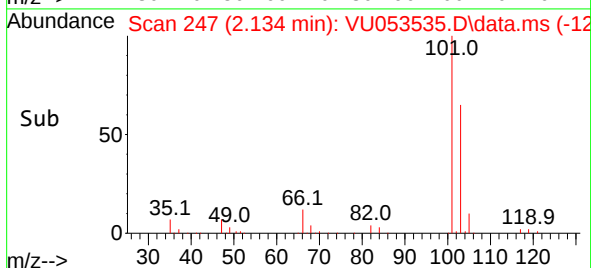
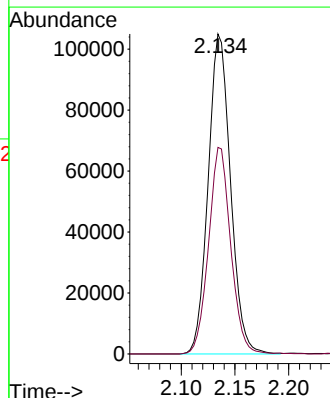
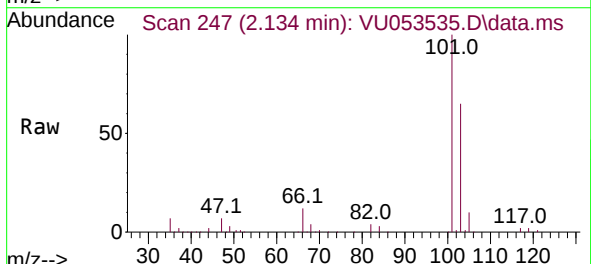
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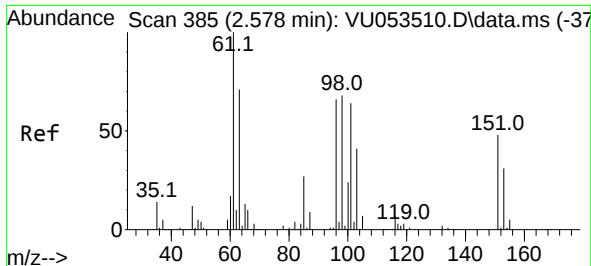
Tgt Ion: 64 Resp: 64925
Ion Ratio Lower Upper
64 100
66 34.3 21.8 40.6



#9
Trichlorofluoromethane
Concen: 49.876 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

Tgt Ion:101 Resp: 151641
Ion Ratio Lower Upper
101 100
103 64.0 52.5 78.7

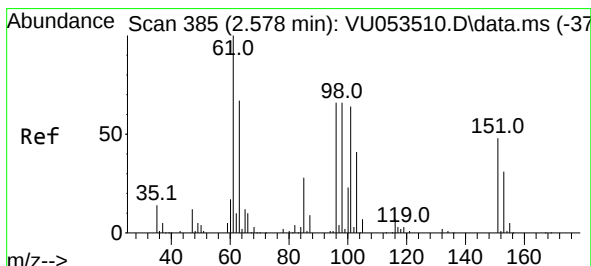
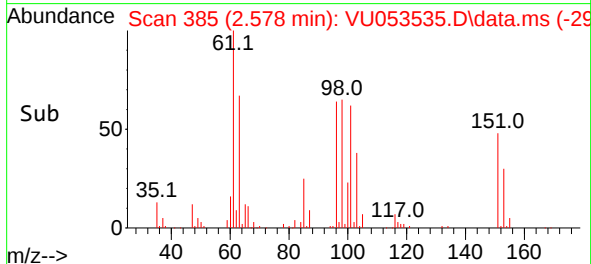
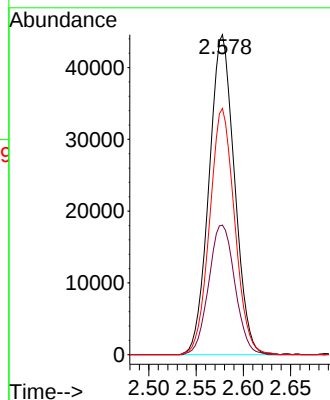
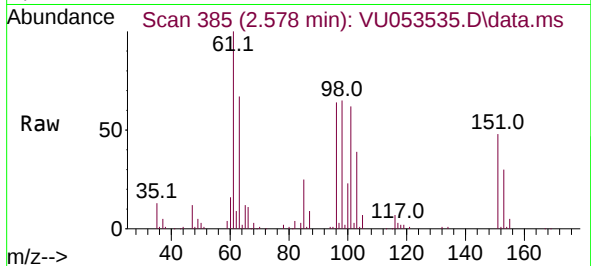




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.436 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053535.D
 Acq: 03 Apr 2023 21:11

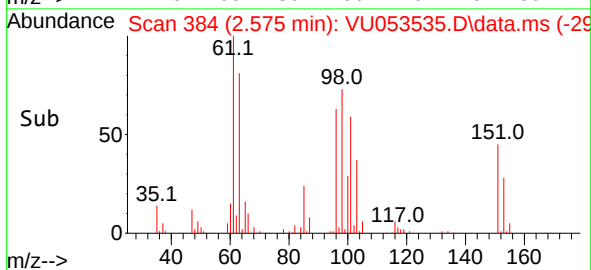
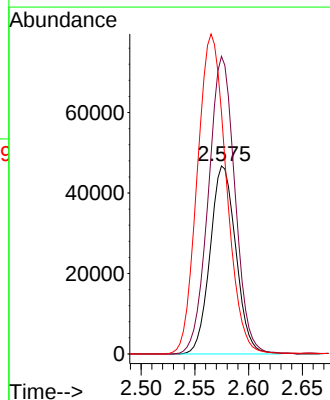
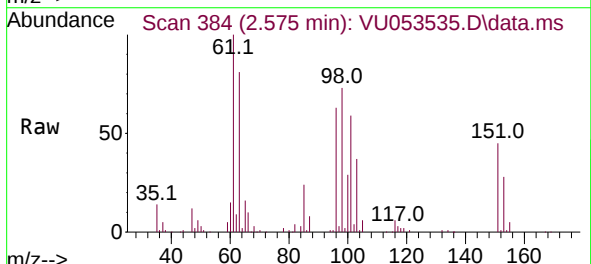
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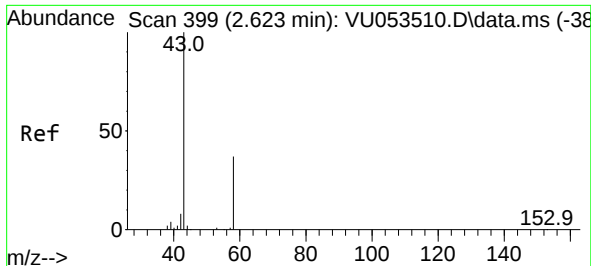
Tgt Ion:101 Resp: 83526
 Ion Ratio Lower Upper
 101 100
 85 41.7 32.6 48.8
 151 75.7 65.8 98.6



#12
 1,1-Dichloroethene
 Concen: 49.610 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU053535.D
 Acq: 03 Apr 2023 21:11

Tgt Ion: 96 Resp: 77851
 Ion Ratio Lower Upper
 96 100
 61 158.3 107.9 200.5
 63 128.6 79.1 146.9





#13

Acetone

Concen: 78.844 ug/L

RT: 2.616 min Scan# 397

Delta R.T. -0.003 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

Instrument :

MSVOA_U

ClientSampleId :

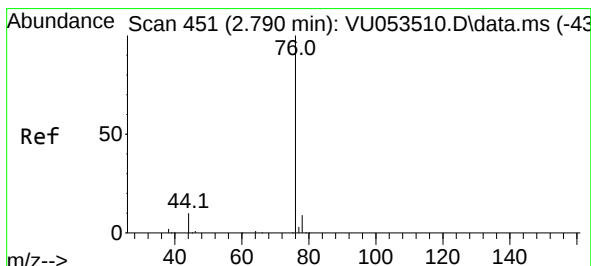
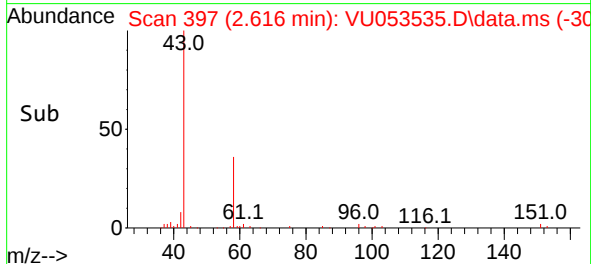
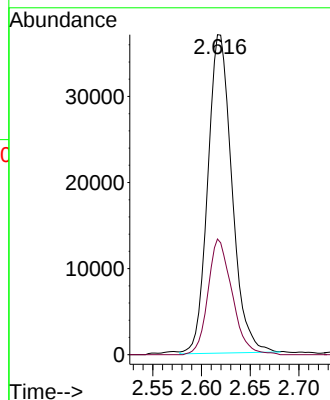
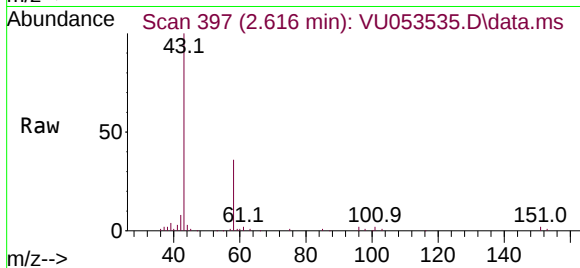
PMW-10(20230329)MSD

Tgt Ion: 43 Resp: 63886

Ion Ratio Lower Upper

43 100

58 36.2 0.0 70.2



#14

Carbon disulfide

Concen: 52.856 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

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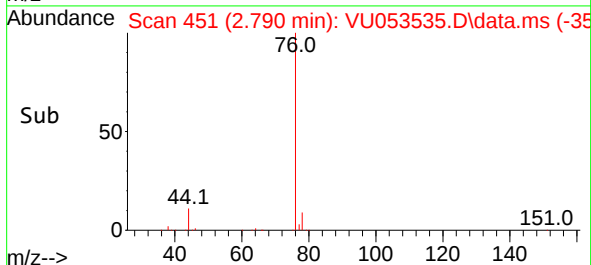
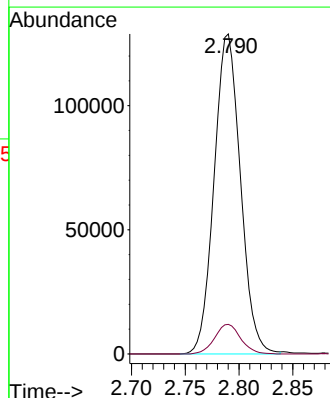
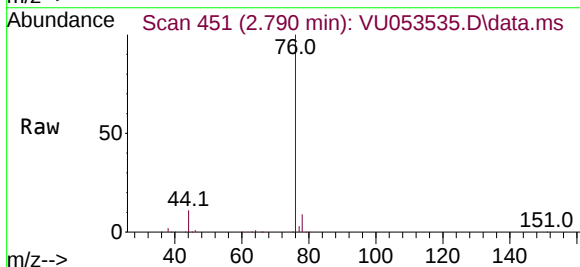
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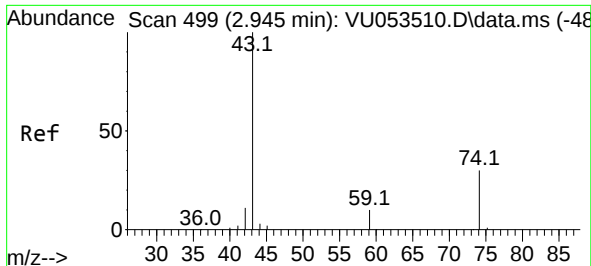
Tgt Ion: 76 Resp: 219414

Ion Ratio Lower Upper

76 100

78 9.3 8.2 12.2

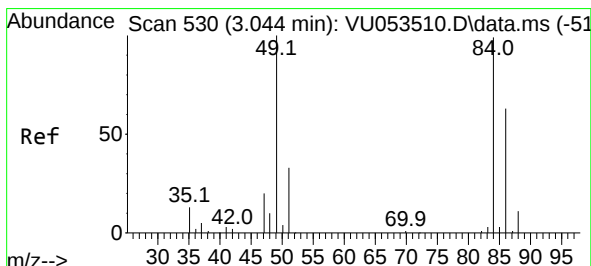
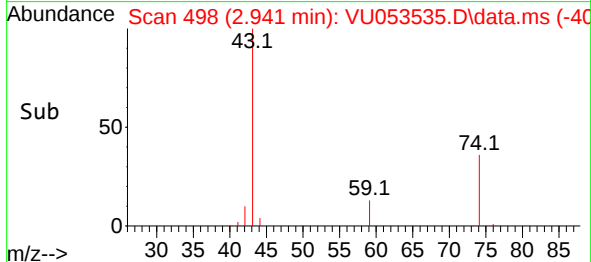
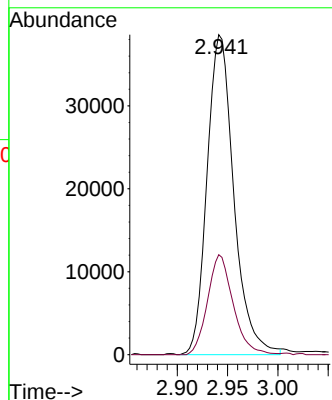
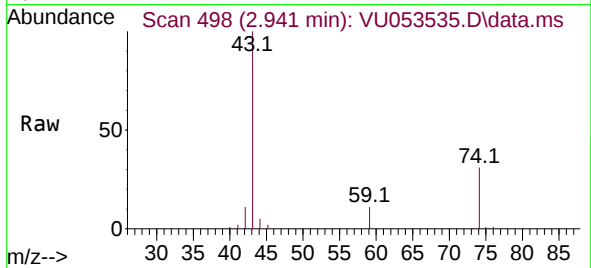




#15
Methyl Acetate
Concen: 57.517 ug/L
RT: 2.941 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

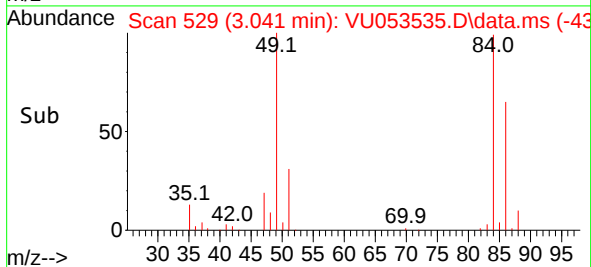
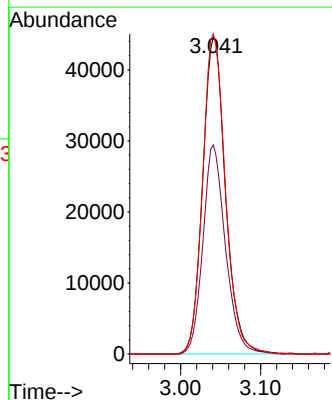
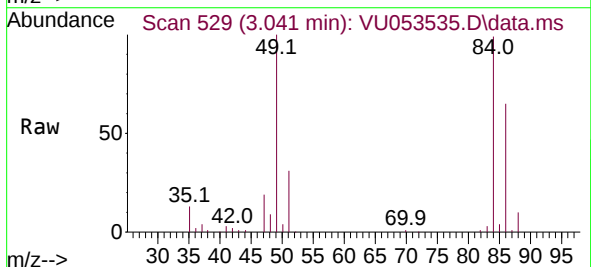
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MSD

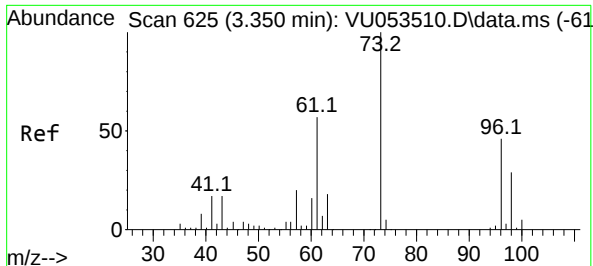
Tgt Ion: 43 Resp: 71385
Ion Ratio Lower Upper
43 100
74 29.9 22.0 33.0



#16
Methylene chloride
Concen: 50.261 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

Tgt Ion: 84 Resp: 88653
Ion Ratio Lower Upper
84 100
86 66.0 43.5 80.9
49 100.9 69.7 129.5

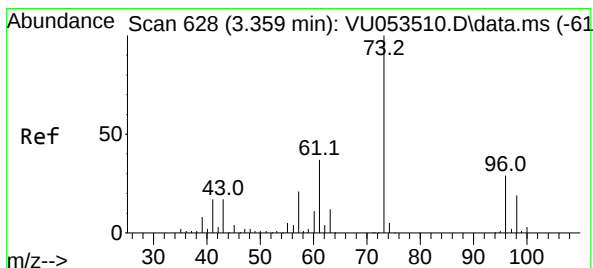
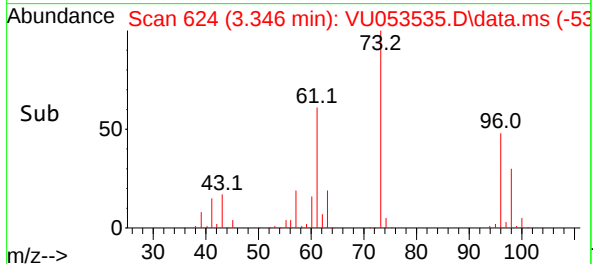
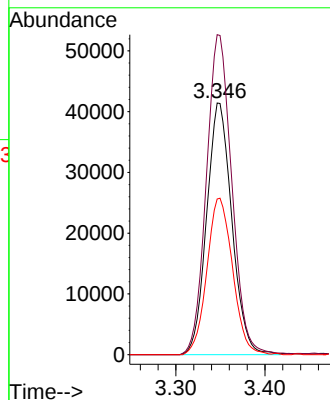
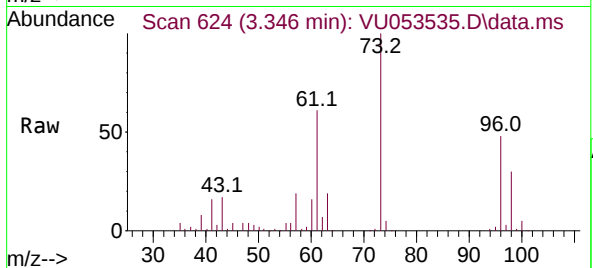




#17
trans-1,2-Dichloroethene
Concen: 51.697 ug/L
RT: 3.346 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

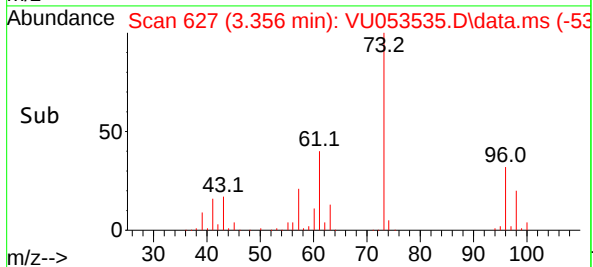
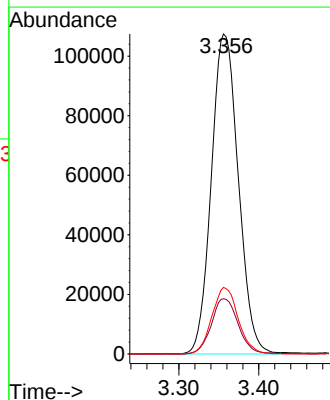
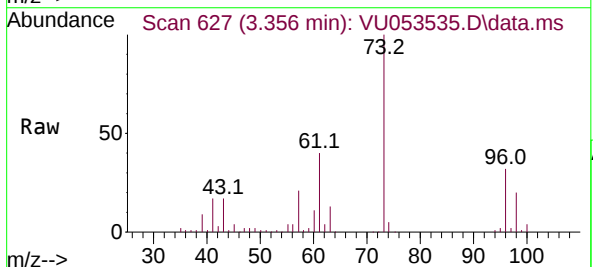
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MSD

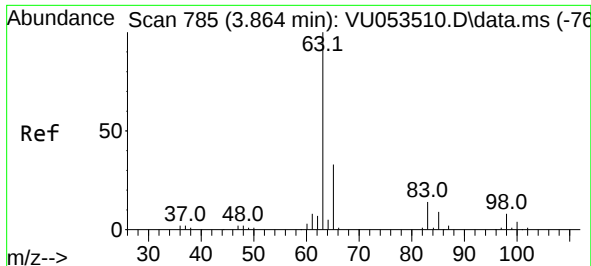
Tgt Ion: 96 Resp: 81532
Ion Ratio Lower Upper
96 100
61 127.2 84.4 156.8
98 61.9 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 54.830 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

Tgt Ion: 73 Resp: 252049
Ion Ratio Lower Upper
73 100
43 17.1 13.8 20.8
57 20.2 15.9 23.9





#19

1,1-Dichloroethane

Concen: 61.204 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

Instrument :

MSVOA_U

ClientSampleId :

PMW-10(20230329)MSD

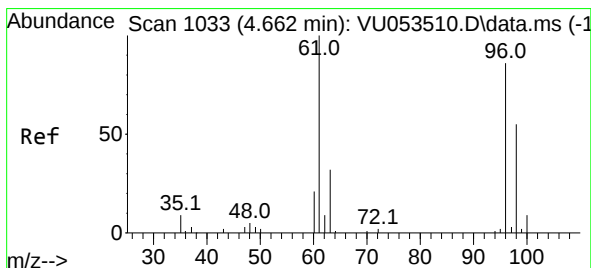
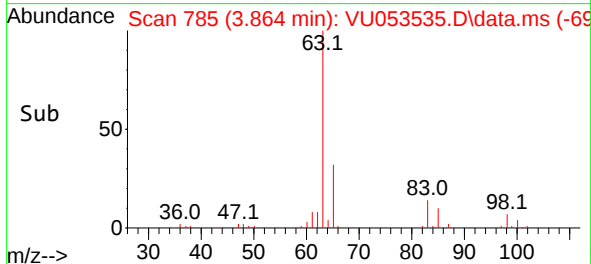
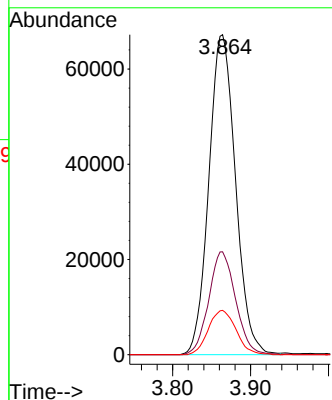
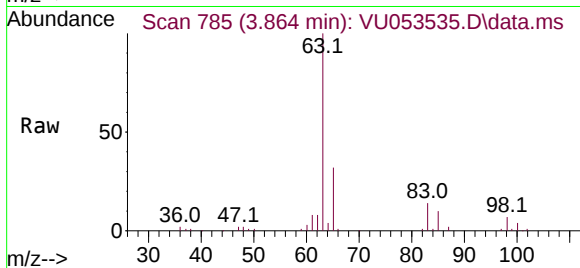
Tgt Ion: 63 Resp: 159895

Ion Ratio Lower Upper

63 100

65 32.2 22.0 41.0

83 13.9 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 54.590 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

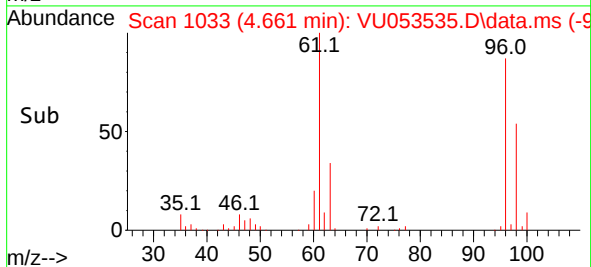
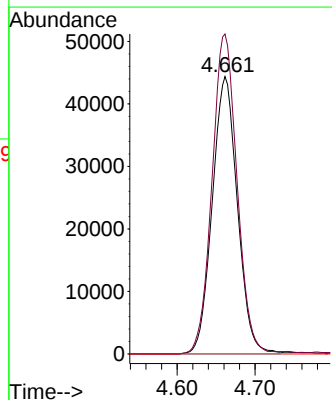
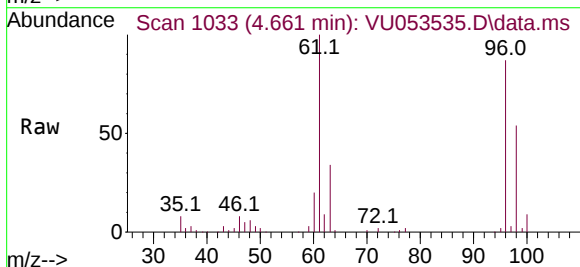
Tgt Ion: 96 Resp: 99444

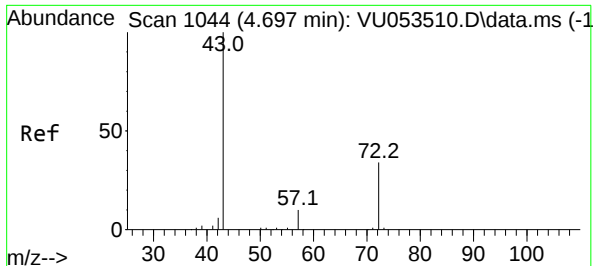
Ion Ratio Lower Upper

96 100

61 115.3 74.7 138.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 105.541 ug/L

RT: 4.694 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

Instrument :

MSVOA_U

ClientSampleId :

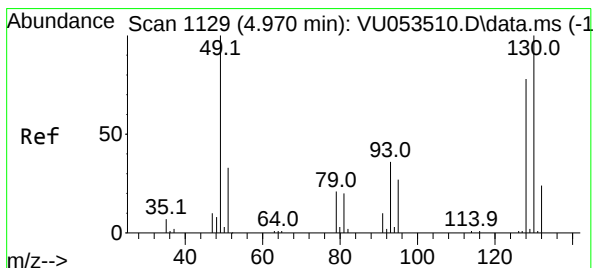
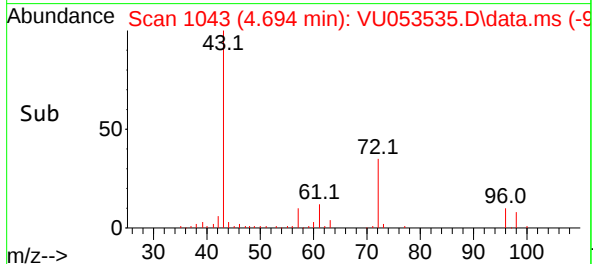
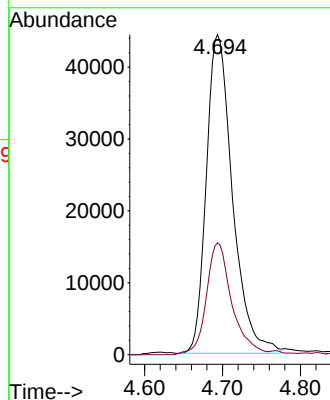
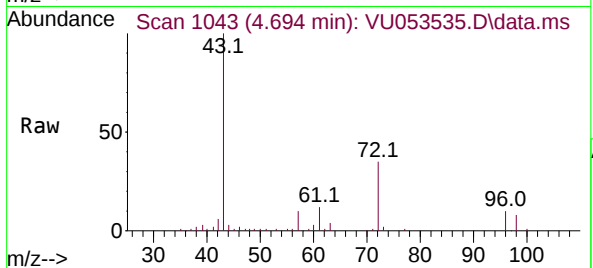
PMW-10(20230329)MSD

Tgt Ion: 43 Resp: 103604

Ion Ratio Lower Upper

43 100

72 34.0 15.8 47.3



#23

Bromochloromethane

Concen: 48.641 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

Tgt Ion:128 Resp: 49356

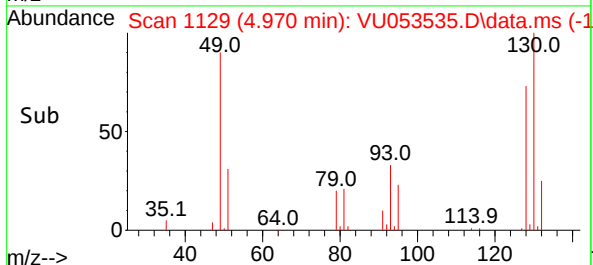
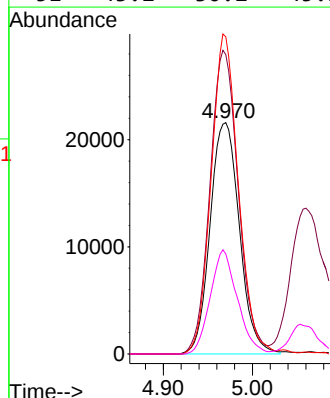
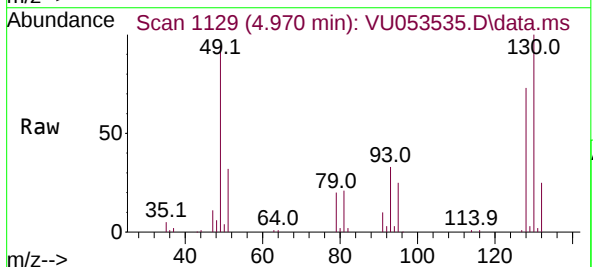
Ion Ratio Lower Upper

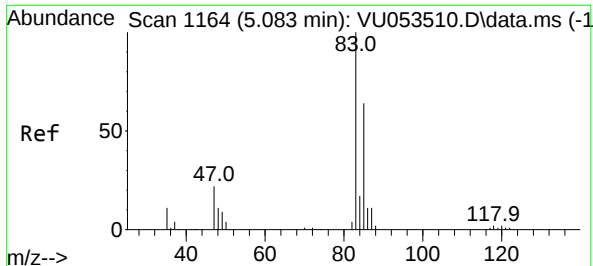
128 100

49 129.5 81.5 151.3

130 137.1 91.8 170.4

51 43.2 30.2 45.2





#25

Chloroform

Concen: 53.220 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

Instrument :

MSVOA_U

ClientSampleId :

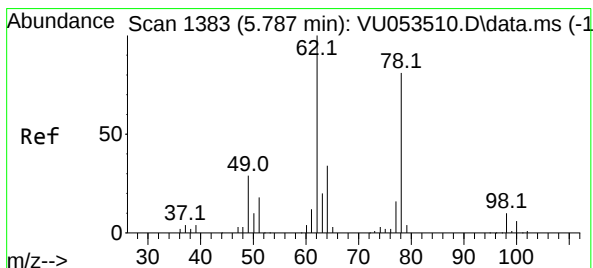
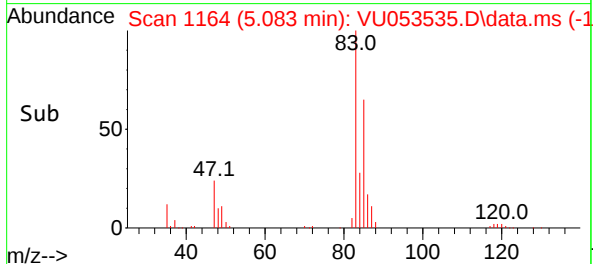
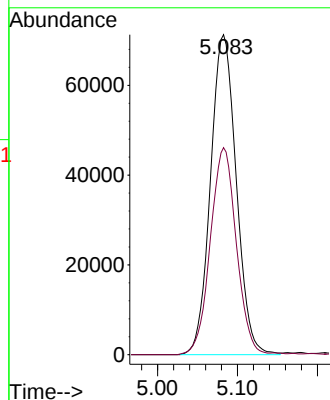
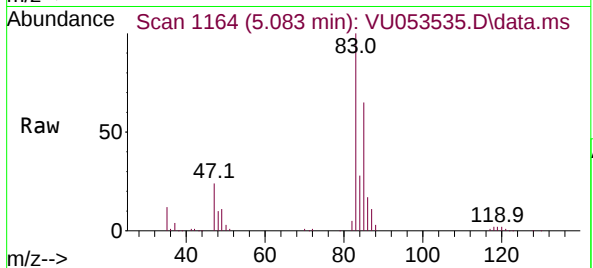
PMW-10(20230329)MSD

Tgt Ion: 83 Resp: 159470

Ion Ratio Lower Upper

83 100

85 64.7 46.1 85.5



#27

1,2-Dichloroethane

Concen: 53.332 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VU053535.D

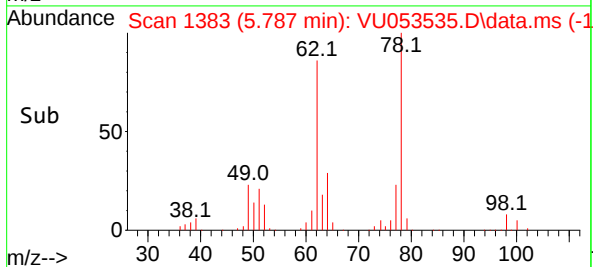
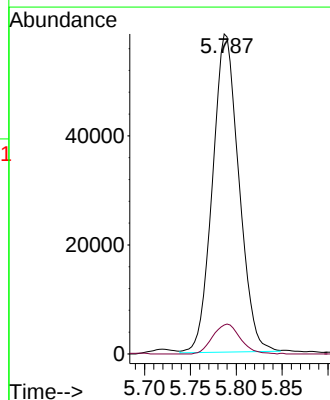
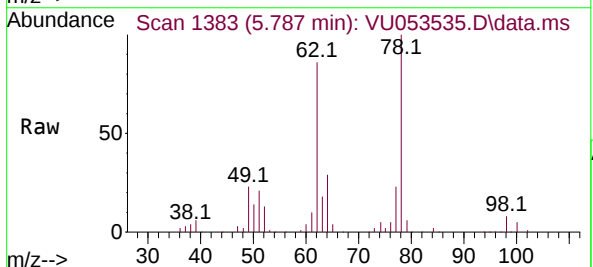
Acq: 03 Apr 2023 21:11

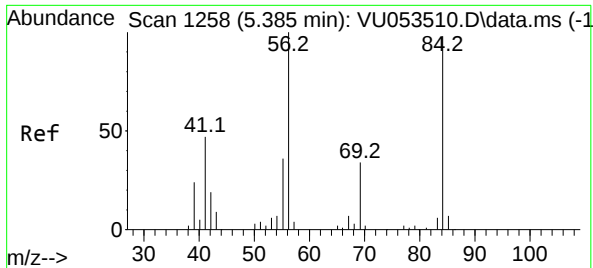
Tgt Ion: 62 Resp: 117033

Ion Ratio Lower Upper

62 100

98 9.1 8.3 12.5





#29

Cyclohexane

Concen: 53.510 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

Instrument :

MSVOA_U

ClientSampleId :

PMW-10(20230329)MSD

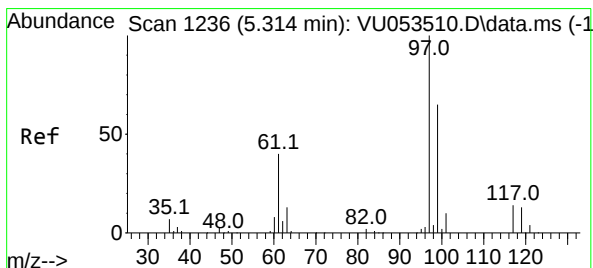
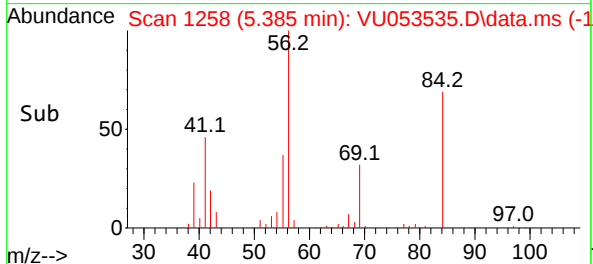
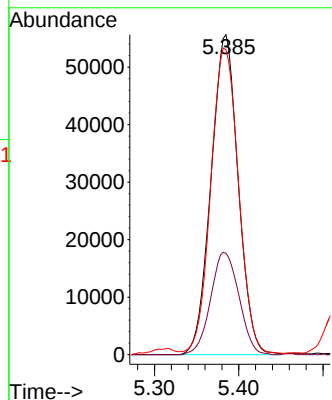
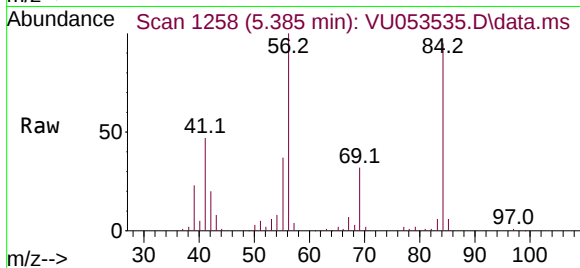
Tgt Ion: 56 Resp: 124512

Ion Ratio Lower Upper

56 100

69 33.3 27.3 40.9

84 96.9 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 51.251 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

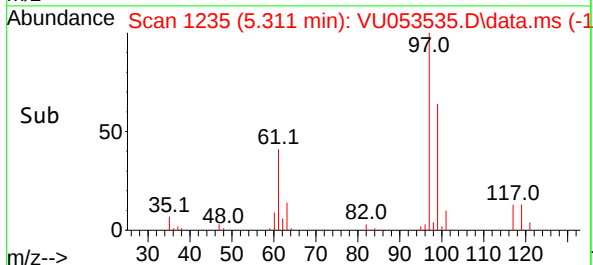
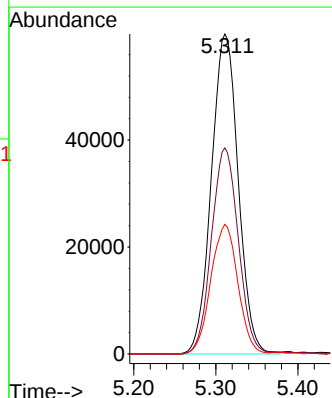
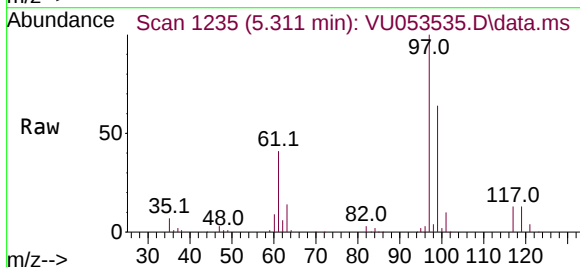
Tgt Ion: 97 Resp: 136498

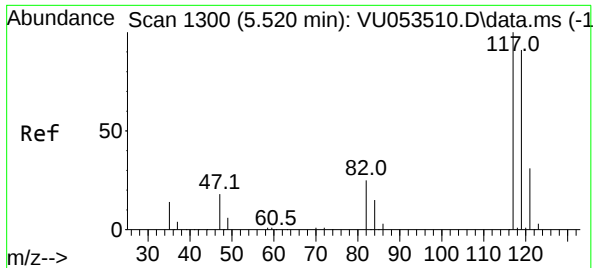
Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

61 40.7 31.0 46.4

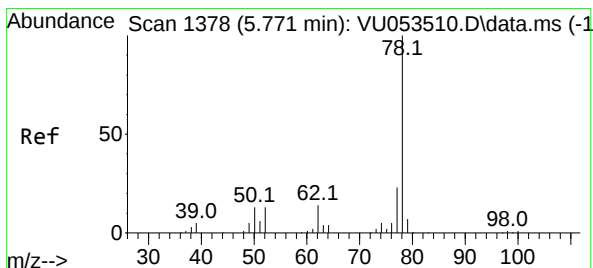
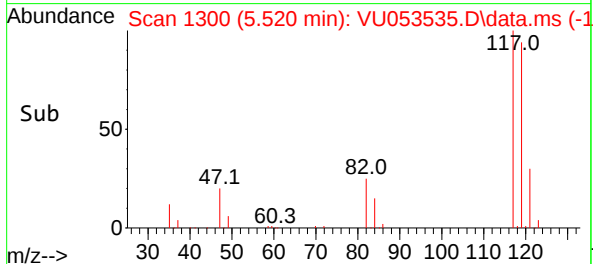
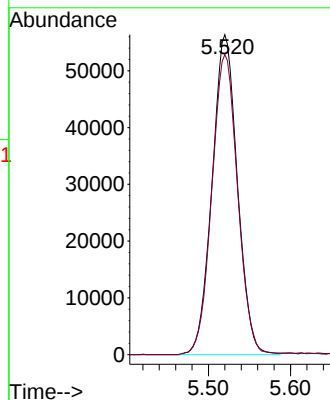
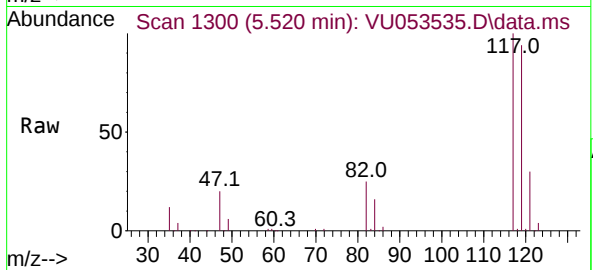




#31
Carbon tetrachloride
Concen: 50.588 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

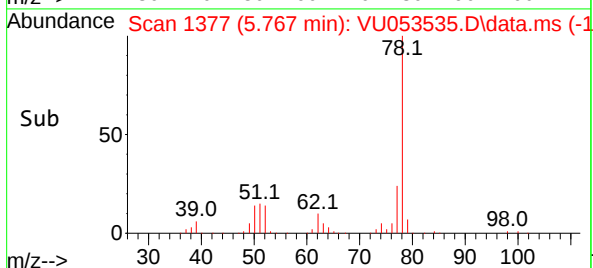
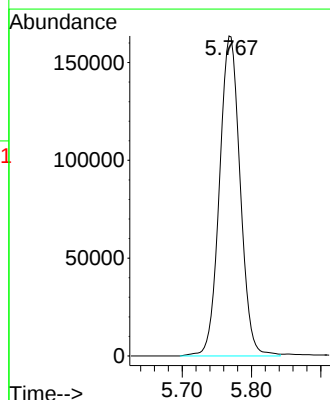
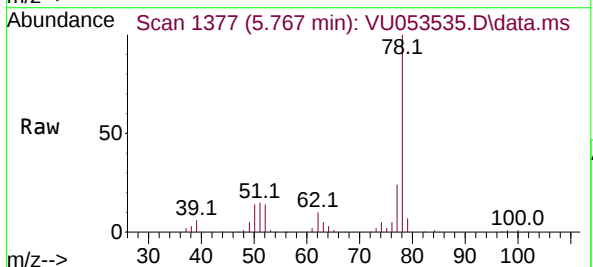
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MSD

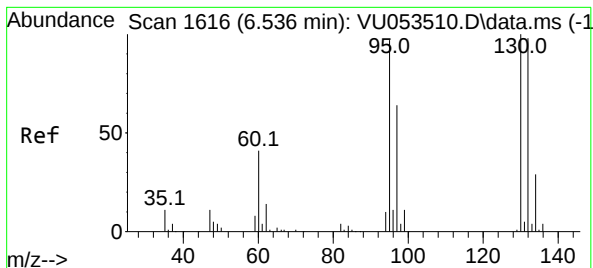
Tgt Ion:117 Resp: 120715
Ion Ratio Lower Upper
117 100
119 95.5 76.9 115.3



#33
Benzene
Concen: 54.001 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

Tgt Ion: 78 Resp: 340074





#34

Trichloroethene

Concen: 50.421 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053535.D

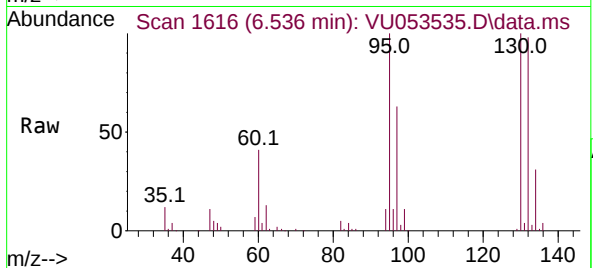
Acq: 03 Apr 2023 21:11

Instrument :

MSVOA_U

ClientSampleId :

PMW-10(20230329)MSD



Tgt Ion: 95 Resp: 96037

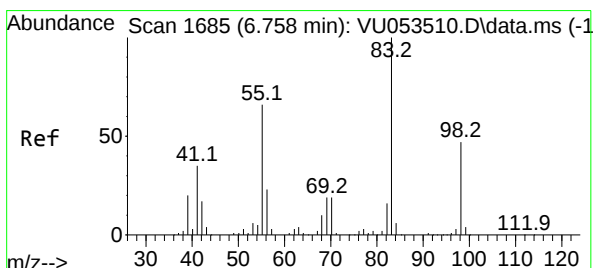
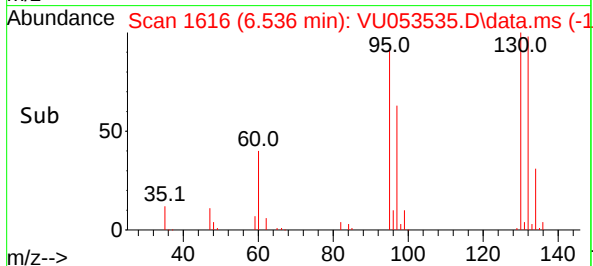
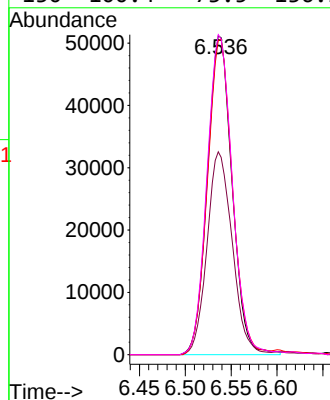
Ion Ratio Lower Upper

95 100

97 63.7 45.1 83.7

132 98.6 74.1 137.5

130 100.4 73.5 136.5



#35

Methylcyclohexane

Concen: 51.389 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

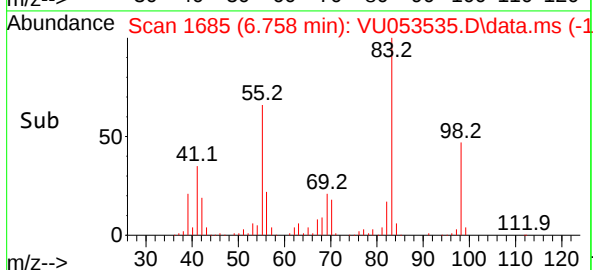
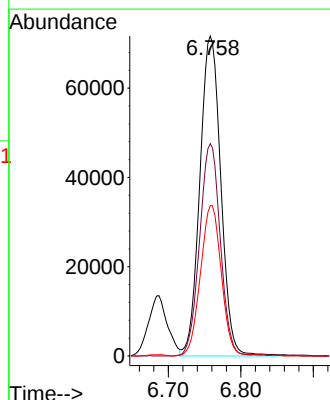
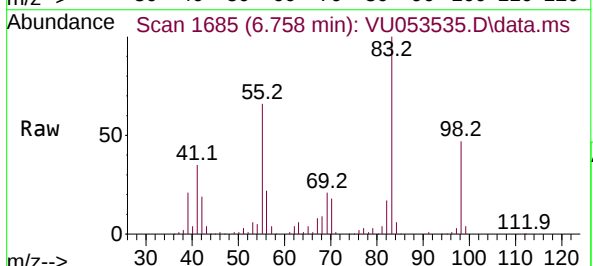
Tgt Ion: 83 Resp: 143879

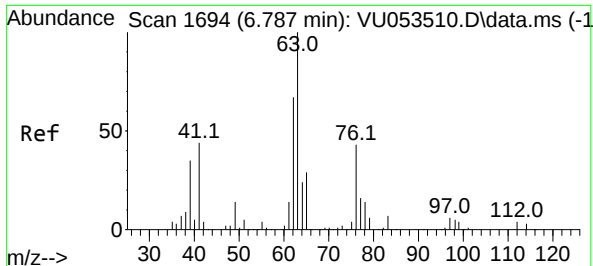
Ion Ratio Lower Upper

83 100

55 65.3 53.0 79.6

98 46.7 39.0 58.6





#37

1,2-Dichloropropane

Concen: 54.699 ug/L

RT: 6.783 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

Instrument :

MSVOA_U

ClientSampleId :

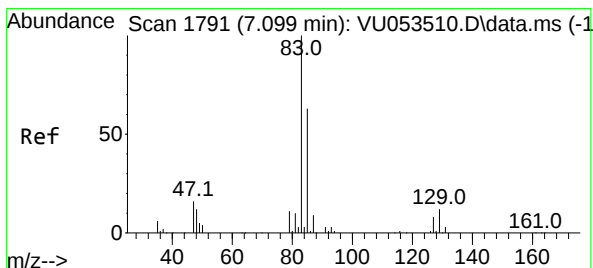
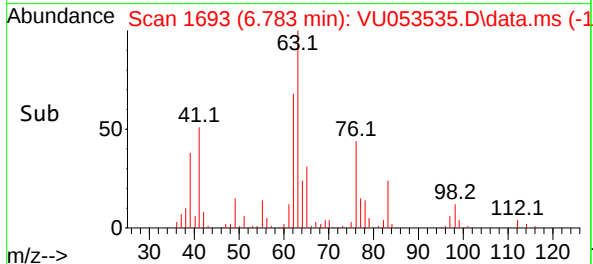
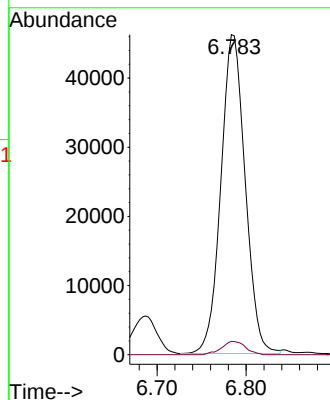
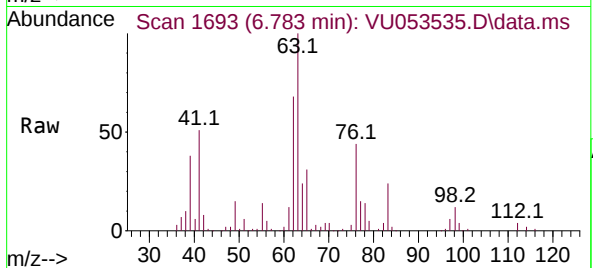
PMW-10(20230329)MSD

Tgt Ion: 63 Resp: 87467

Ion Ratio Lower Upper

63 100

112 4.1 3.8 5.6



#38

Bromodichloromethane

Concen: 53.562 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

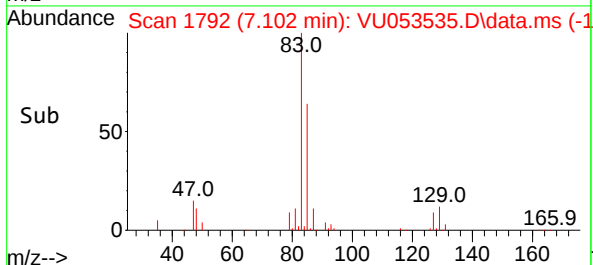
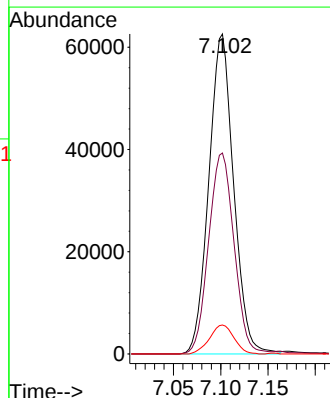
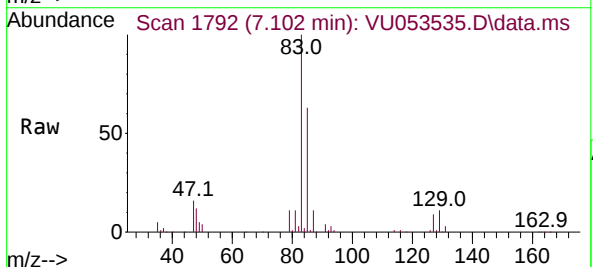
Tgt Ion: 83 Resp: 114260

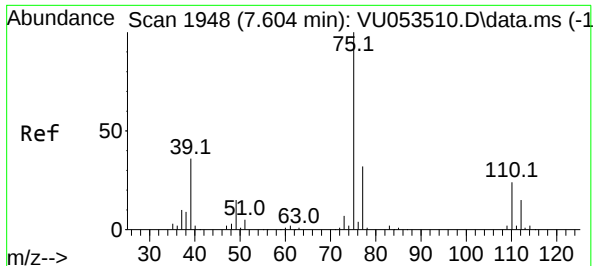
Ion Ratio Lower Upper

83 100

85 62.8 44.4 82.5

127 9.0 8.0 12.0





#39

cis-1,3-Dichloropropene

Concen: 52.949 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

Instrument :

MSVOA_U

ClientSampleId :

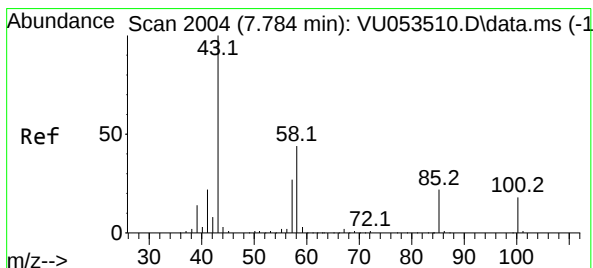
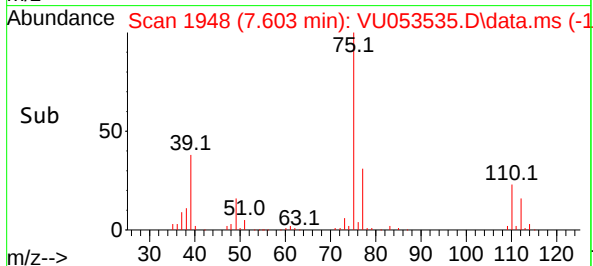
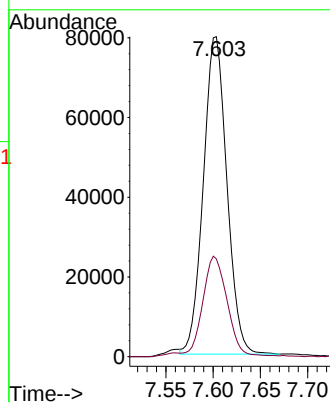
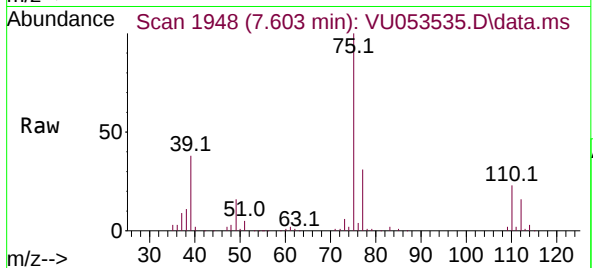
PMW-10(20230329)MSD

Tgt Ion: 75 Resp: 138361

Ion Ratio Lower Upper

75 100

77 30.6 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 120.509 ug/L

RT: 7.783 min Scan# 2004

Delta R.T. -0.000 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

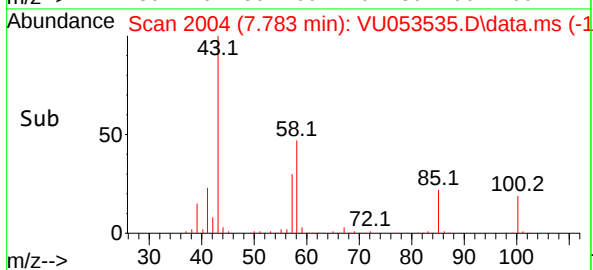
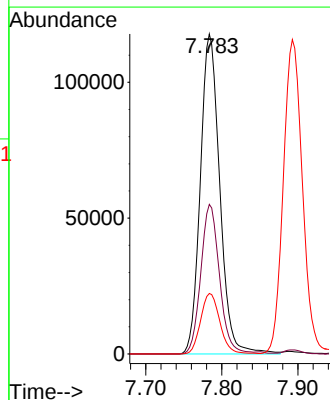
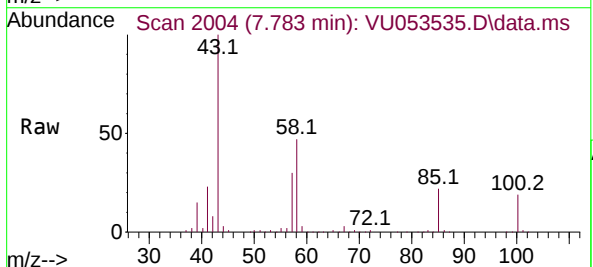
Tgt Ion: 43 Resp: 209408

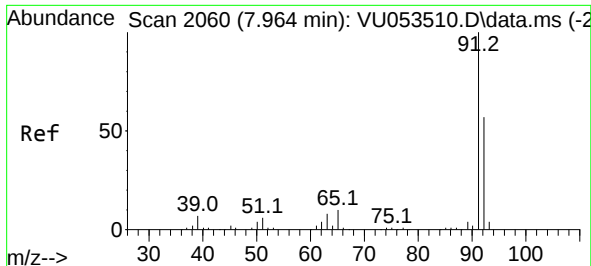
Ion Ratio Lower Upper

43 100

58 44.9 35.5 53.3

100 18.7 15.8 23.8





#42

Toluene

Concen: 53.774 ug/L

RT: 7.963 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

Instrument :

MSVOA_U

ClientSampleId :

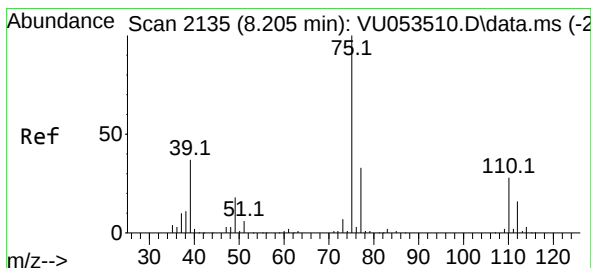
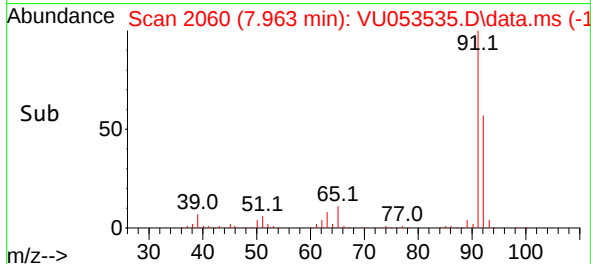
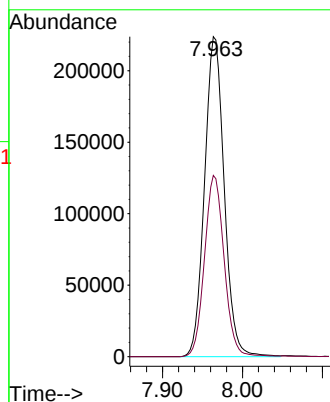
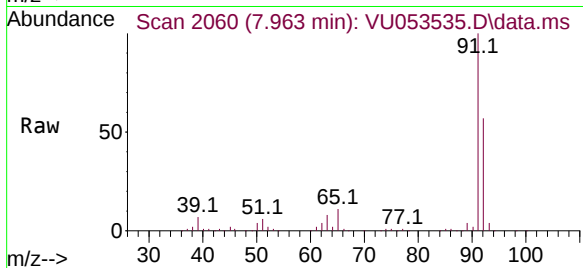
PMW-10(20230329)MSD

Tgt Ion: 91 Resp: 383774

Ion Ratio Lower Upper

91 100

92 56.6 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 56.091 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053535.D

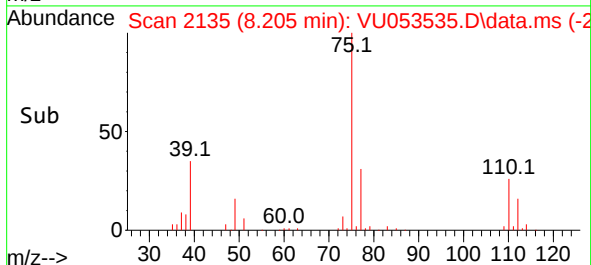
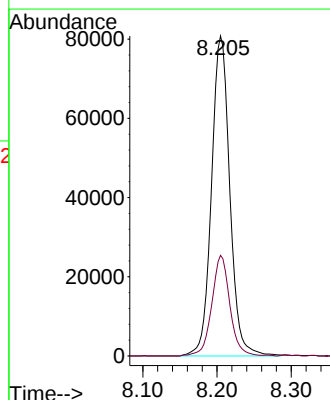
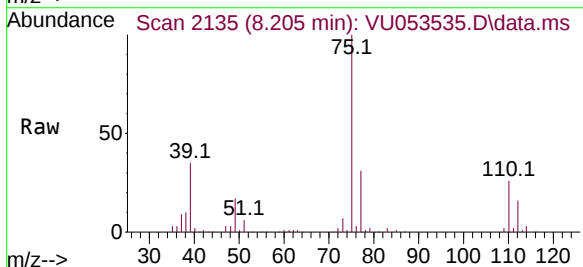
Acq: 03 Apr 2023 21:11

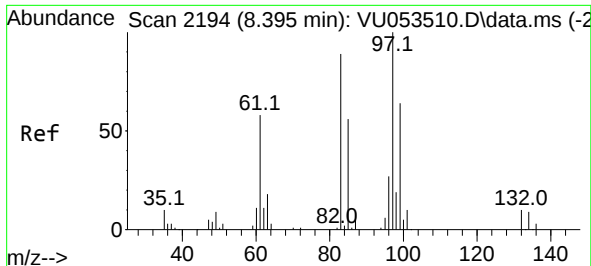
Tgt Ion: 75 Resp: 138560

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4

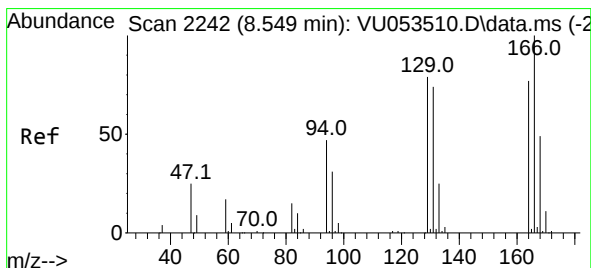
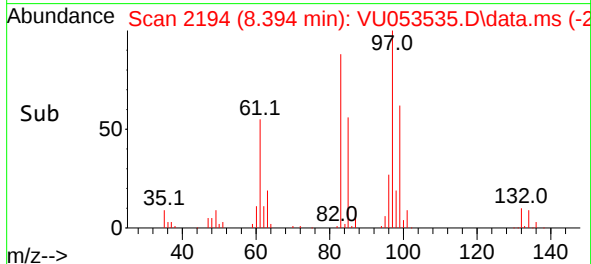
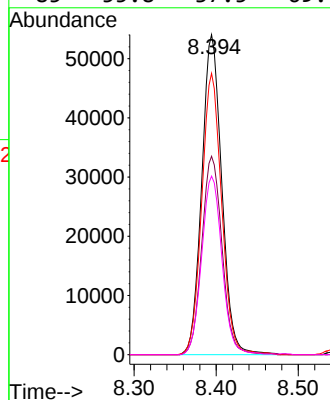
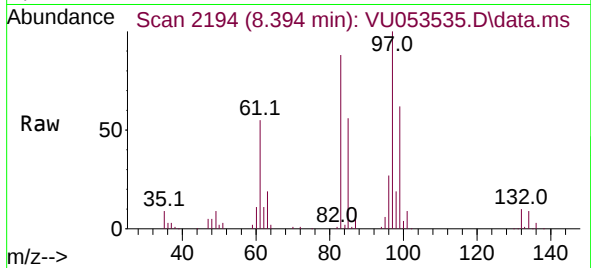




#45
1,1,2-Trichloroethane
Concen: 52.189 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

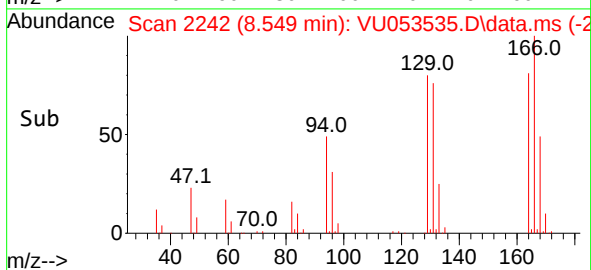
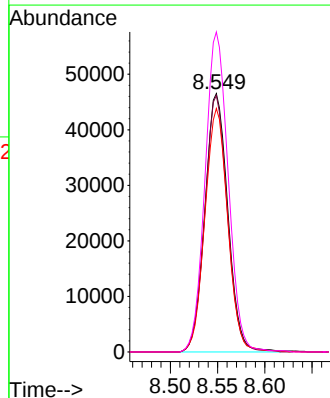
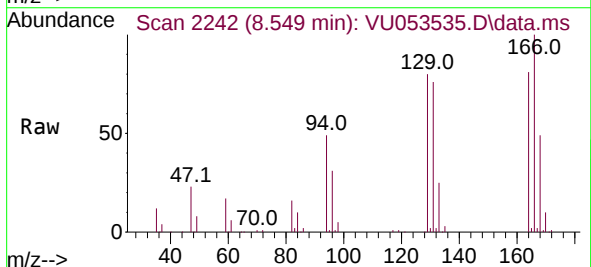
Instrument : MSVOA_U
ClientSampleId : PMW-10(20230329)MSD

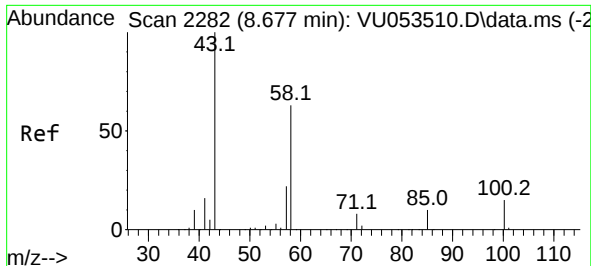
Tgt Ion:	97	Resp:	91625
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.8	81.3
83	87.9	59.0	109.6
85	55.8	37.5	69.7



#46
Tetrachloroethene
Concen: 50.010 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

Tgt Ion:	164	Resp:	79046
Ion	Ratio	Lower	Upper
164	100		
129	99.3	64.0	119.0
131	94.3	61.9	115.1
166	123.9	90.6	168.2

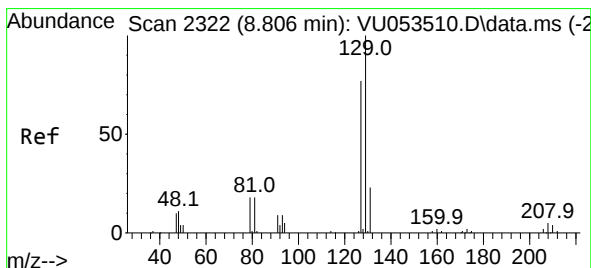
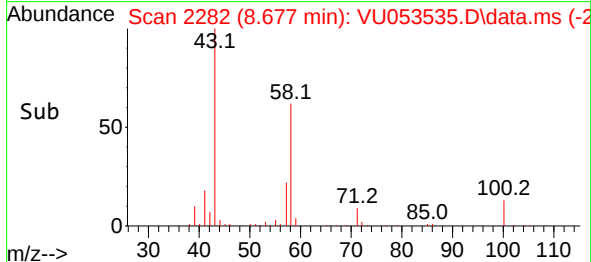
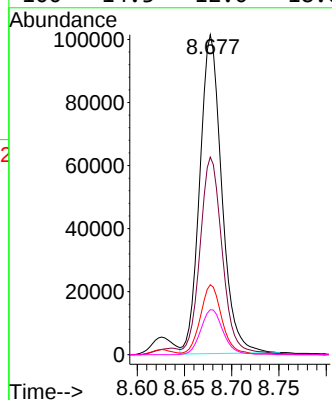
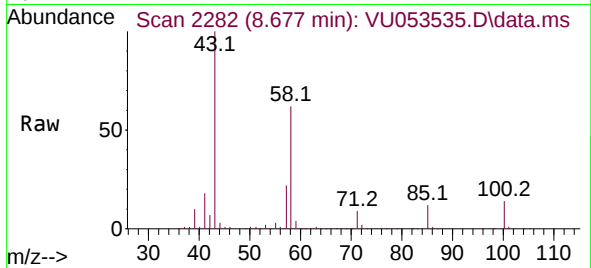




#48
2-Hexanone
Concen: 116.714 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

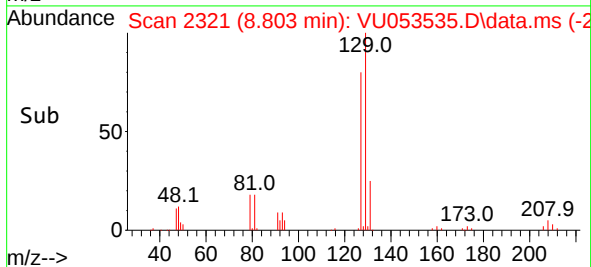
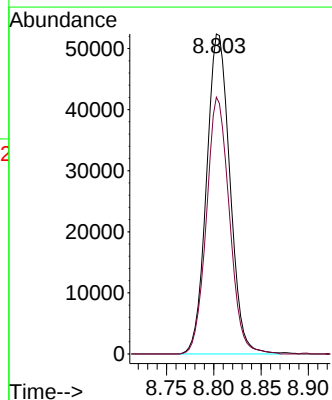
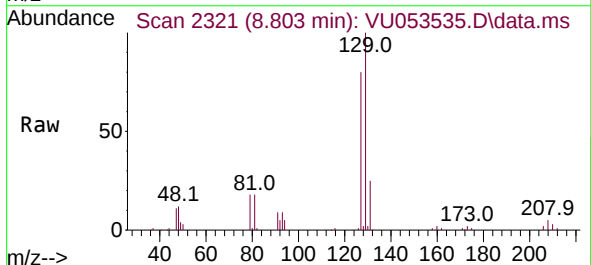
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MSD

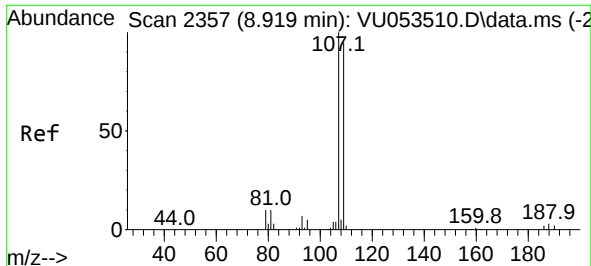
Tgt Ion: 43	Resp: 164058
Ion Ratio	Lower Upper
43 100	
58 62.9	49.8 74.6
57 21.0	17.8 26.6
100 14.3	12.0 18.0



#49
Dibromochloromethane
Concen: 49.355 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

Tgt Ion:129	Resp:	90098	
Ion	Ratio	Lower	Upper
129	100		
127	80.3	53.5	99.3

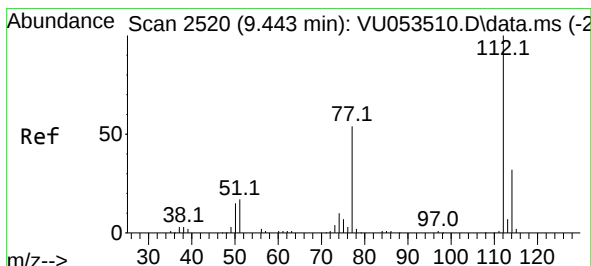
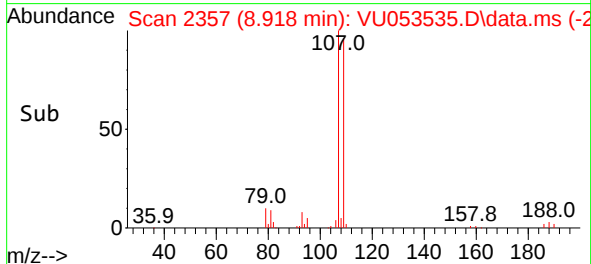
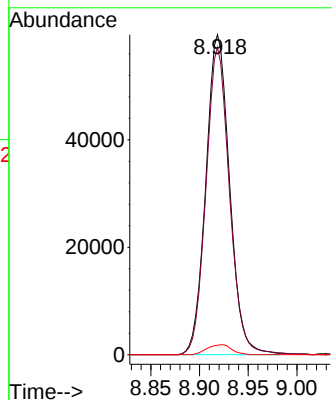
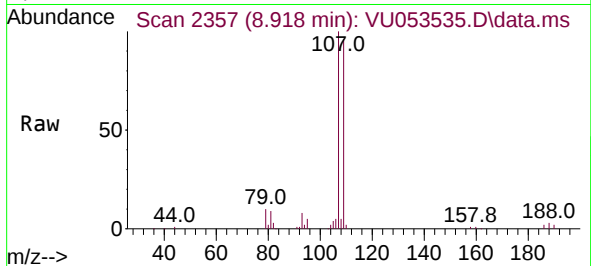




#50
1,2-Dibromoethane
Concen: 51.419 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

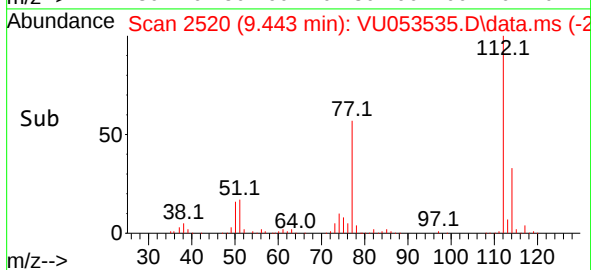
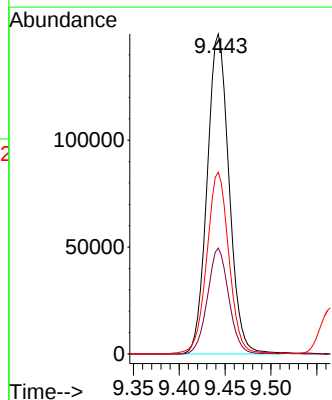
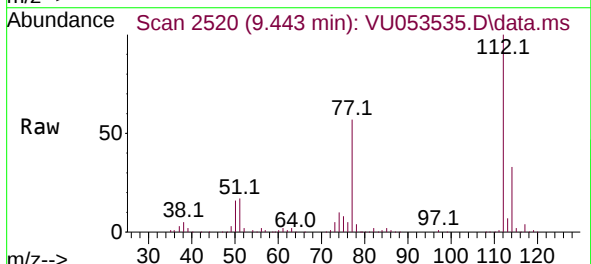
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MSD

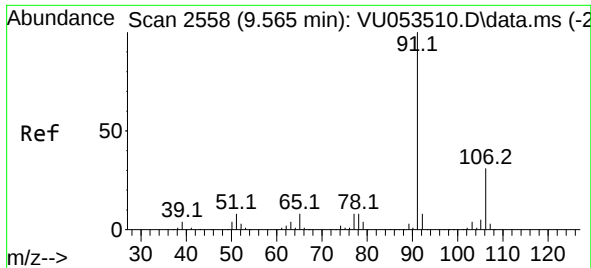
Tgt Ion:107 Resp: 100997
Ion Ratio Lower Upper
107 100
109 96.1 66.3 123.1
188 2.9 3.0 4.4#



#51
Chlorobenzene
Concen: 50.573 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

Tgt Ion:112 Resp: 248680
Ion Ratio Lower Upper
112 100
114 33.1 22.2 41.2
77 56.8 41.3 61.9

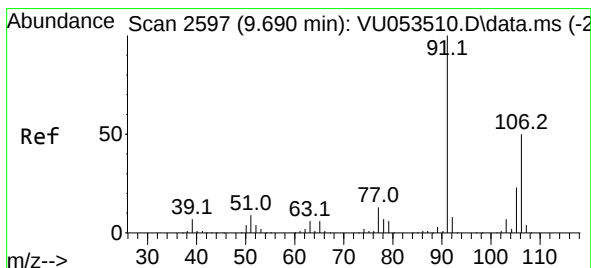
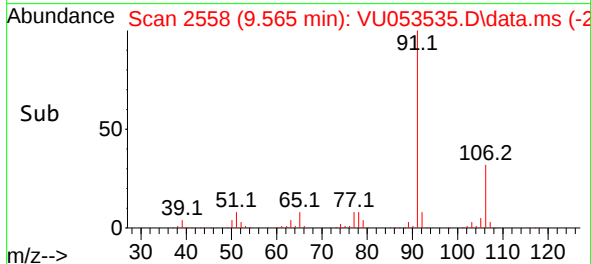
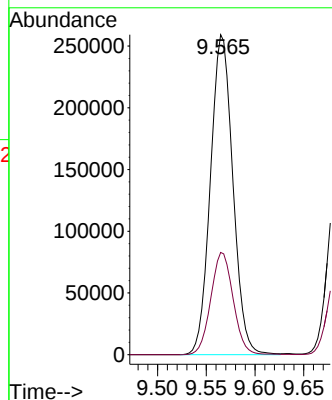
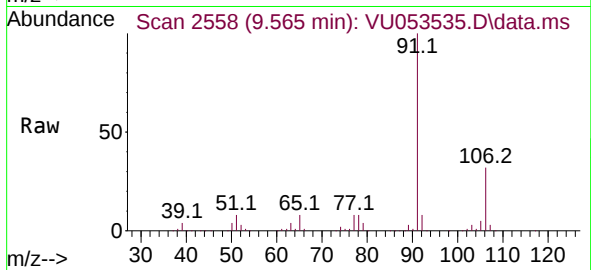




#52
Ethylbenzene
Concen: 52.278 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

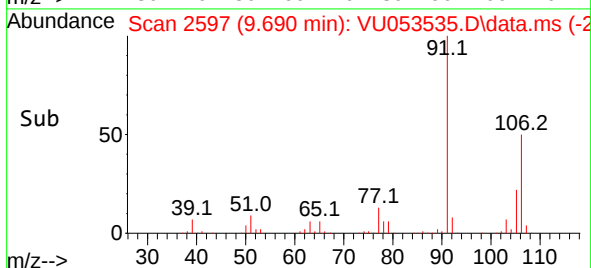
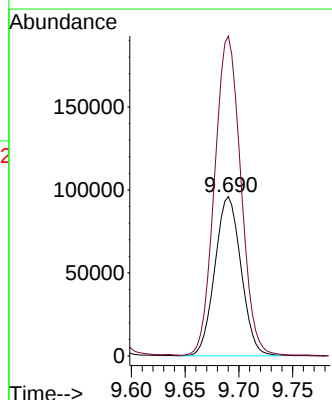
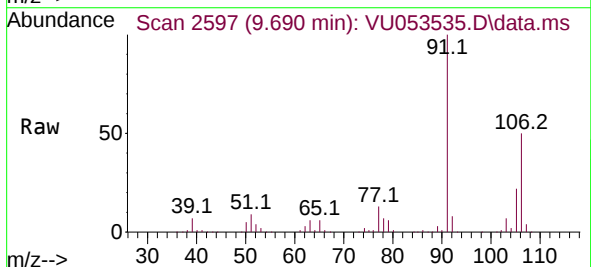
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MSD

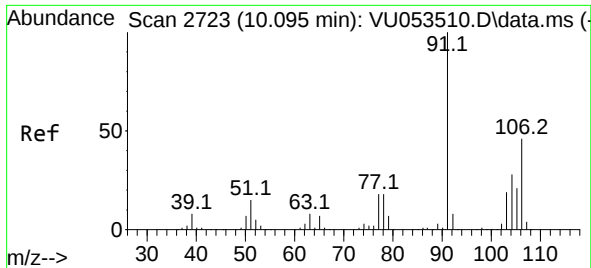
Tgt Ion: 91 Resp: 415325
Ion Ratio Lower Upper
91 100
106 31.9 22.4 41.6



#53
m,p-Xylene
Concen: 52.274 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

Tgt Ion: 106 Resp: 162421
Ion Ratio Lower Upper
106 100
91 200.8 140.0 260.0

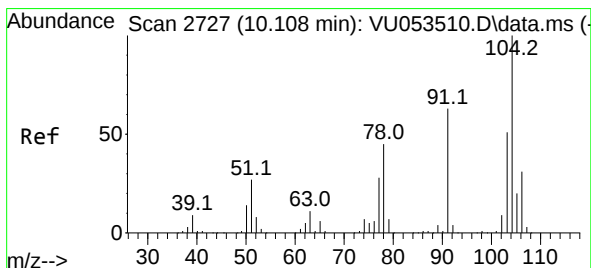
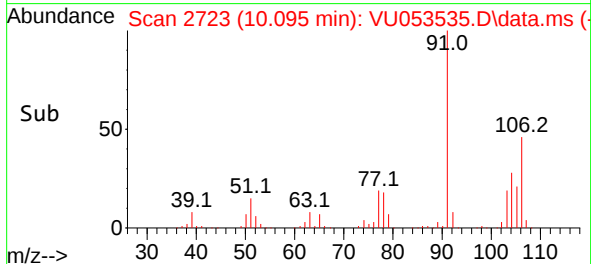
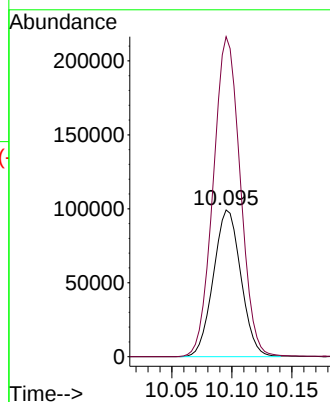
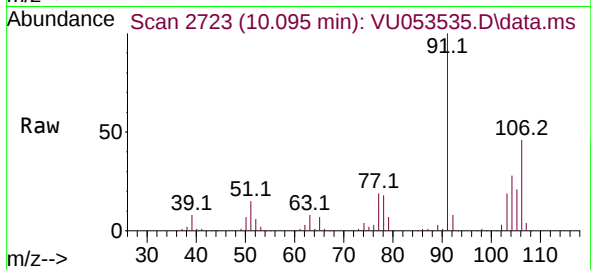




#54
o-xylene
Concen: 51.506 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

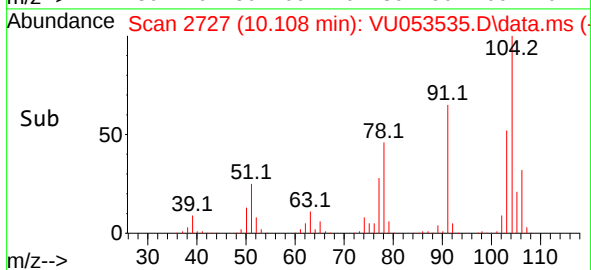
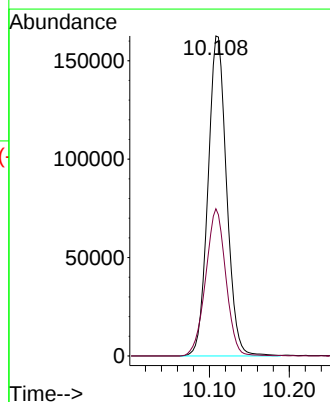
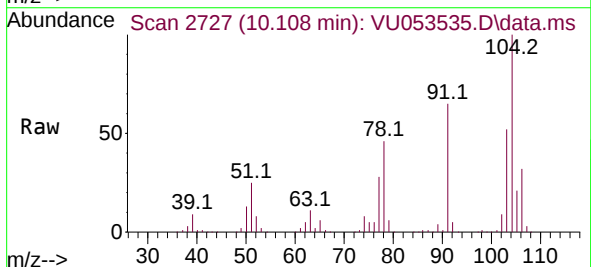
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MSD

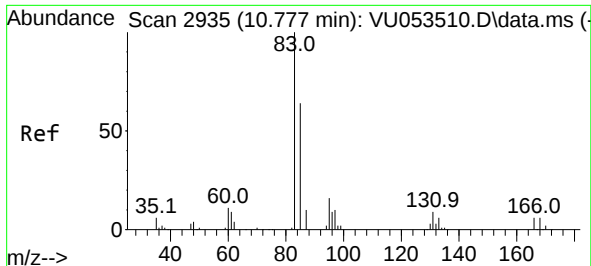
Tgt Ion:106 Resp: 158226
Ion Ratio Lower Upper
106 100
91 218.1 144.9 269.1



#55
Styrene
Concen: 52.608 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

Tgt Ion:104 Resp: 263232
Ion Ratio Lower Upper
104 100
78 46.0 31.3 58.1

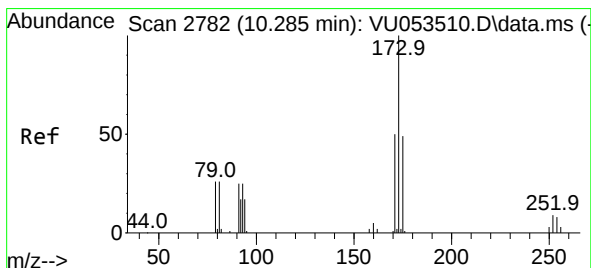
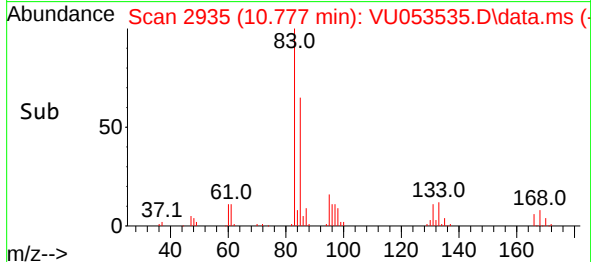
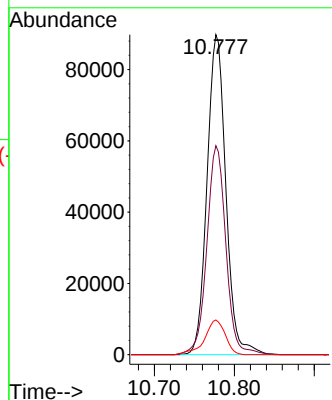
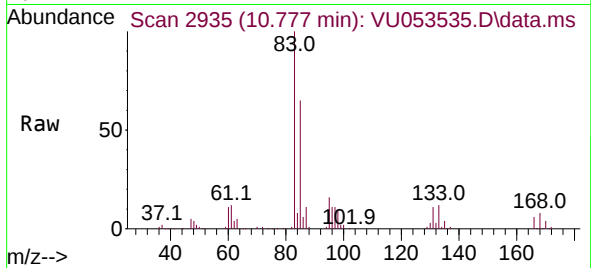




#57
1,1,2,2-Tetrachloroethane
Concen: 57.045 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

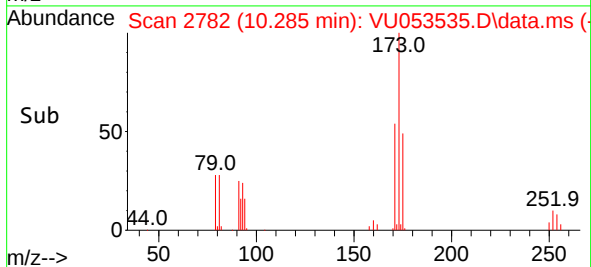
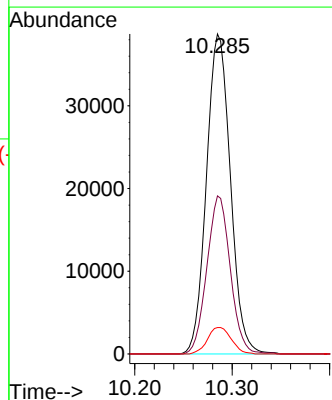
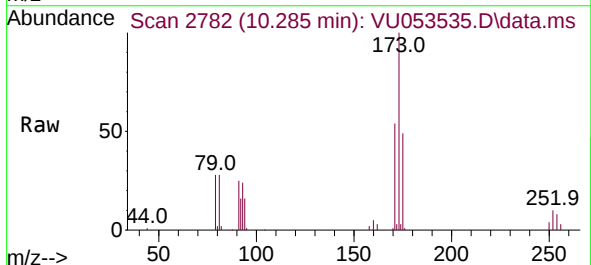
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MSD

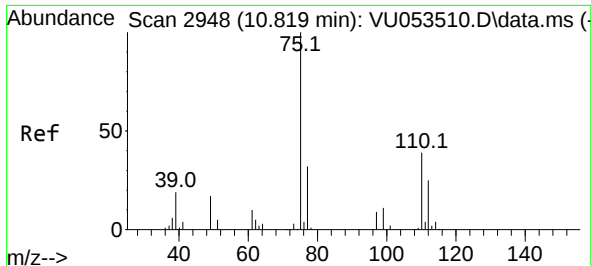
Tgt Ion: 83 Resp: 147044
Ion Ratio Lower Upper
83 100
85 65.3 47.0 87.4
131 10.8 8.7 13.1



#59
Bromoform
Concen: 49.051 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

Tgt Ion:173 Resp: 65969
Ion Ratio Lower Upper
173 100
175 48.2 39.0 58.6
254 8.3 7.0 10.4

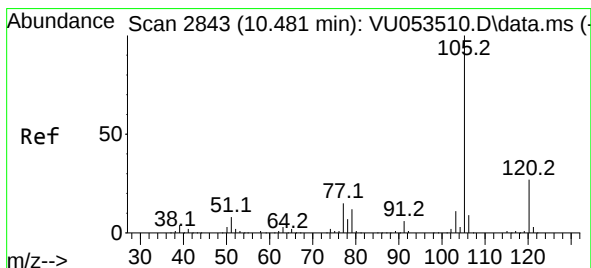
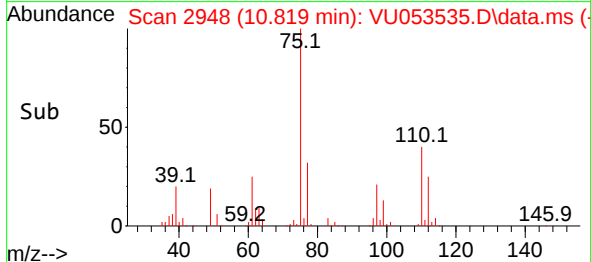
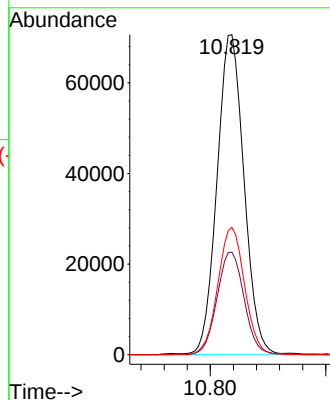
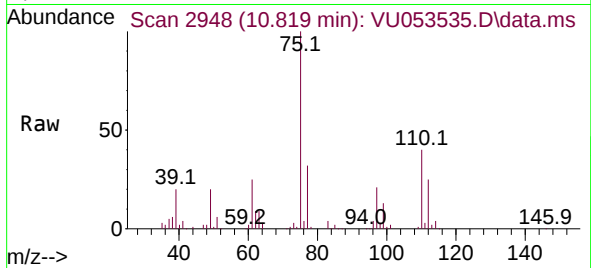




#60
1,2,3-Trichloropropane
Concen: 59.937 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

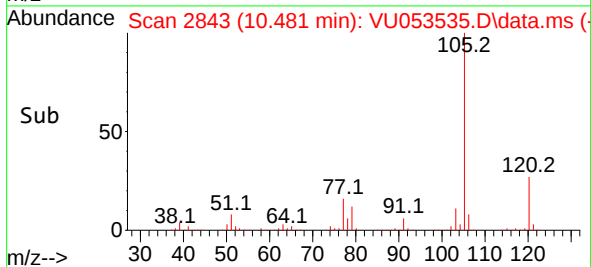
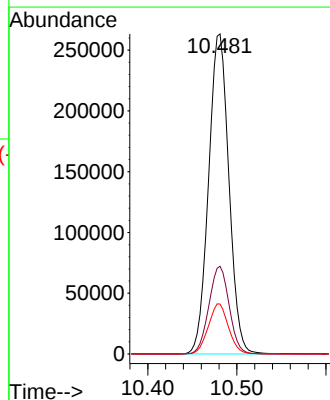
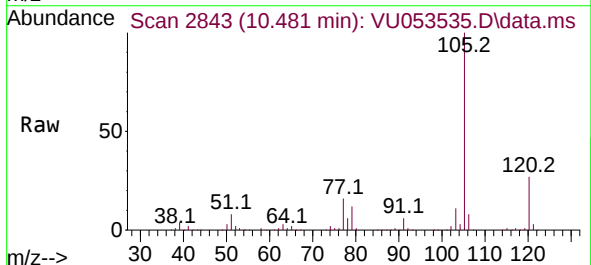
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MSD

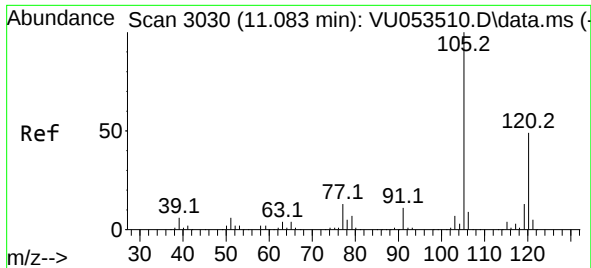
Tgt Ion:	75	Resp:	114192
Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.0	39.0
110	39.6	32.6	48.8



#61
Isopropylbenzene
Concen: 53.539 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

Tgt Ion:	105	Resp:	415918
Ion	Ratio	Lower	Upper
105	100		
120	27.3	22.4	33.6
77	15.6	12.1	18.1

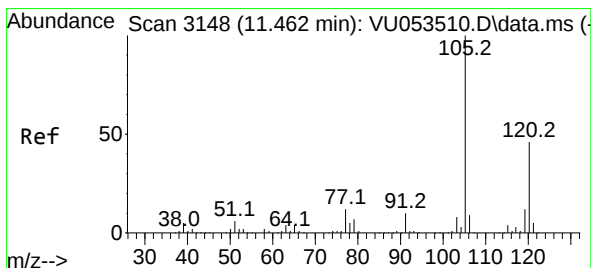
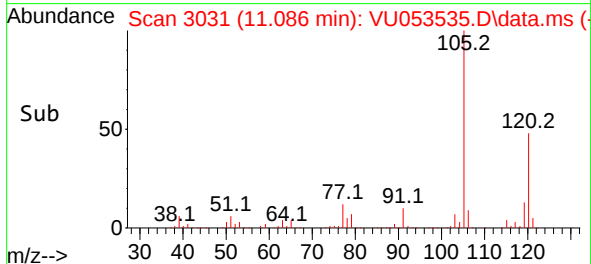
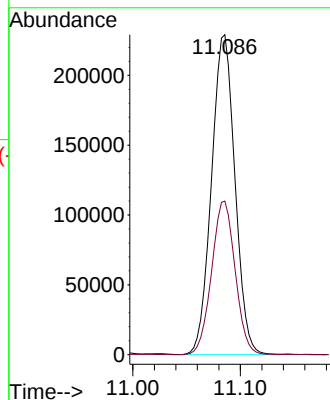
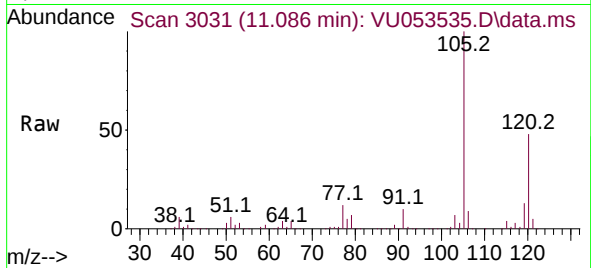




#62
1,3,5-Trimethylbenzene
Concen: 53.777 ug/L
RT: 11.086 min Scan# 3030
Delta R.T. 0.003 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

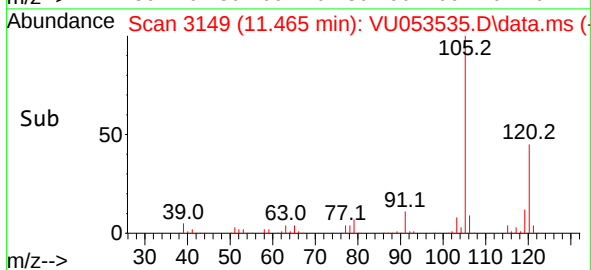
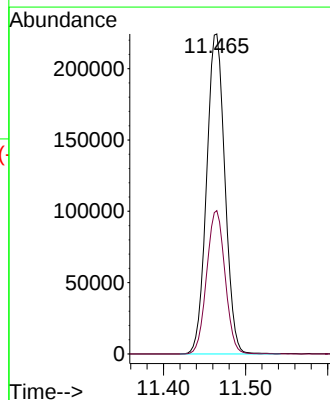
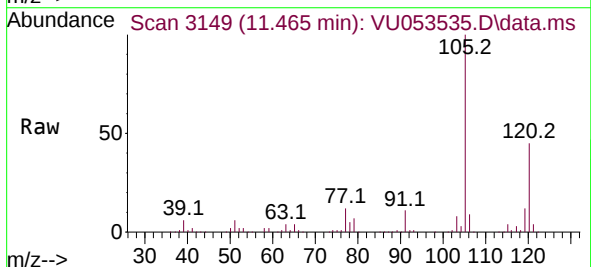
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MSD

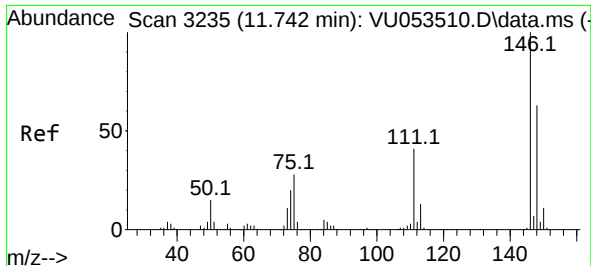
Tgt Ion:105 Resp: 347285
Ion Ratio Lower Upper
105 100
120 48.1 39.5 59.3



#63
1,2,4-Trimethylbenzene
Concen: 54.370 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

Tgt Ion:105 Resp: 347758
Ion Ratio Lower Upper
105 100
120 44.9 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 49.084 ug/L

RT: 11.741 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

Instrument :

MSVOA_U

ClientSampleId :

PMW-10(20230329)MSD

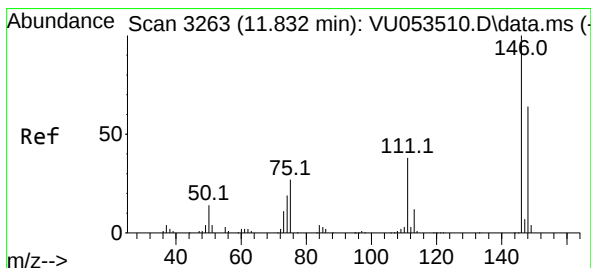
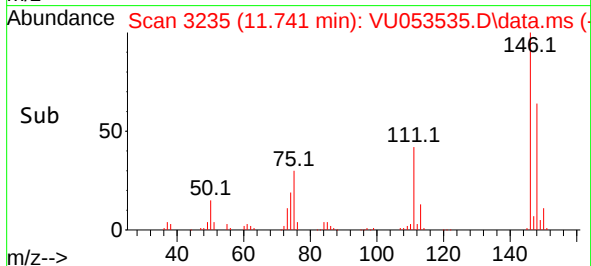
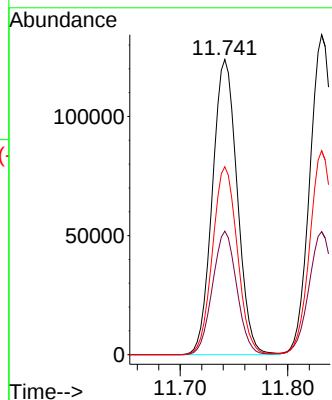
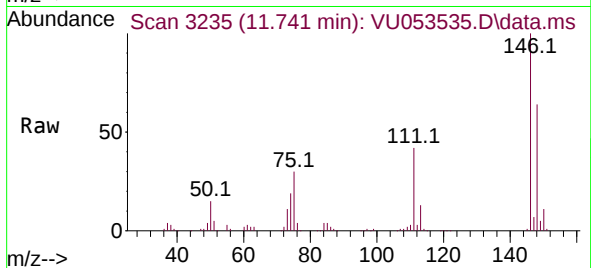
Tgt Ion:146 Resp: 199244

Ion Ratio Lower Upper

146 100

111 41.8 25.7 47.7

148 63.7 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 50.712 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. -0.000 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

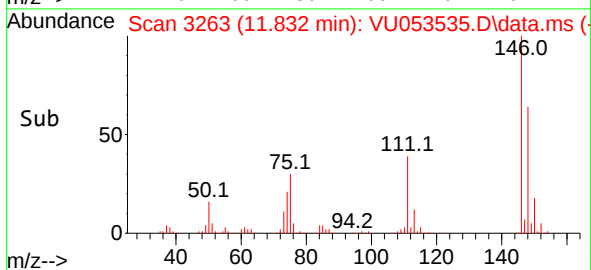
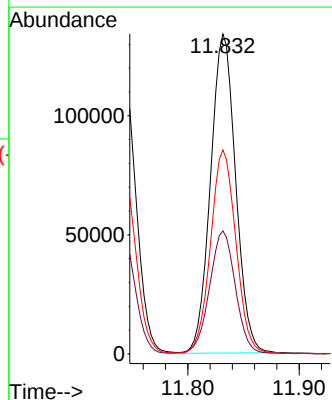
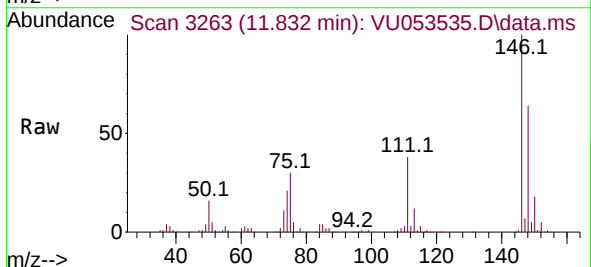
Tgt Ion:146 Resp: 209802

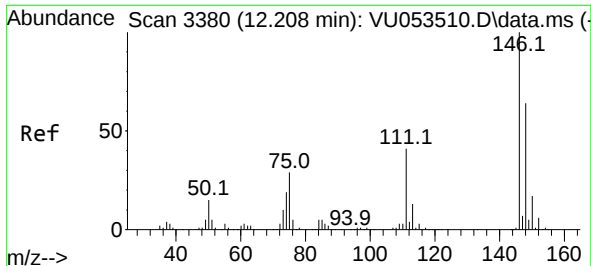
Ion Ratio Lower Upper

146 100

111 38.5 25.1 46.5

148 63.8 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 49.313 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

Instrument :

MSVOA_U

ClientSampleId :

PMW-10(20230329)MSD

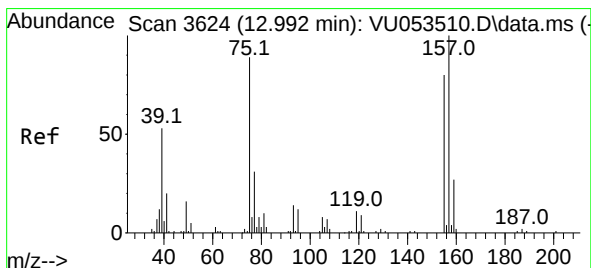
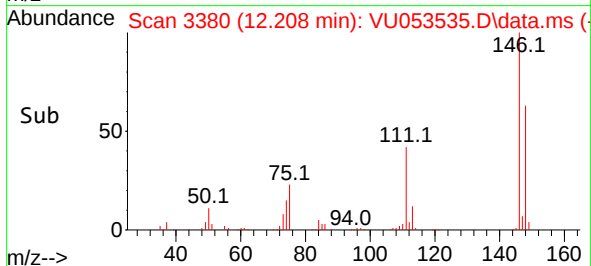
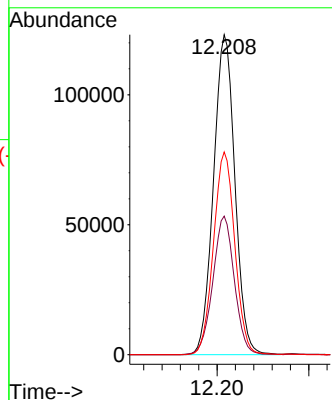
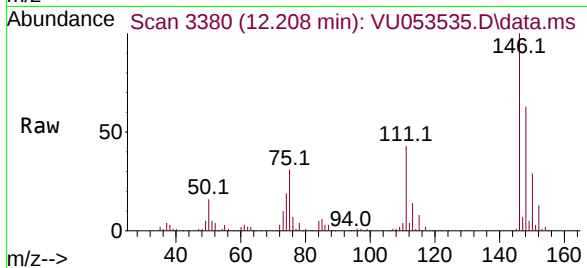
Tgt Ion:146 Resp: 199504

Ion Ratio Lower Upper

146 100

111 43.3 31.5 47.3

148 63.4 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 62.441 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU053535.D

Acq: 03 Apr 2023 21:11

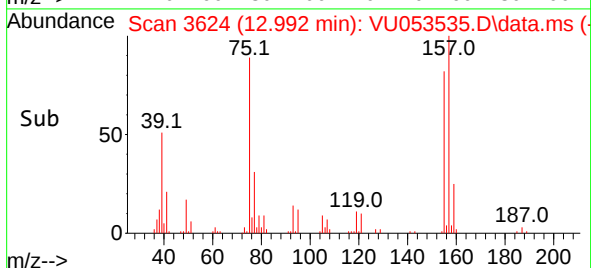
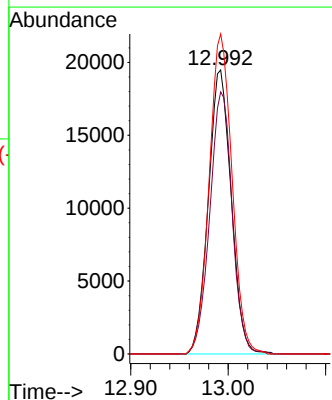
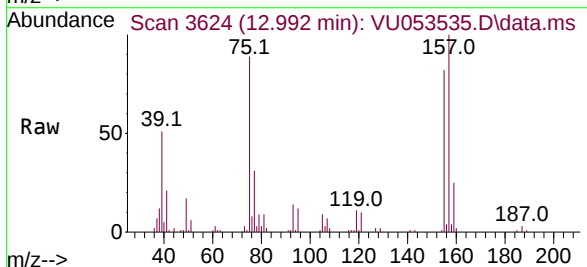
Tgt Ion: 75 Resp: 31714

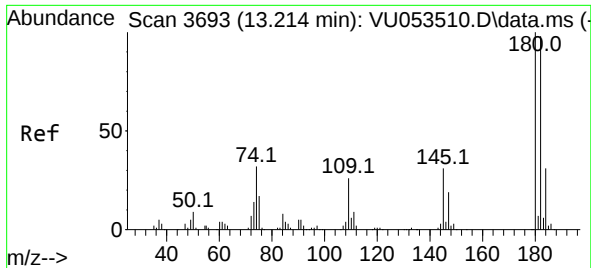
Ion Ratio Lower Upper

75 100

155 92.3 79.9 119.9

157 112.7 100.8 151.2

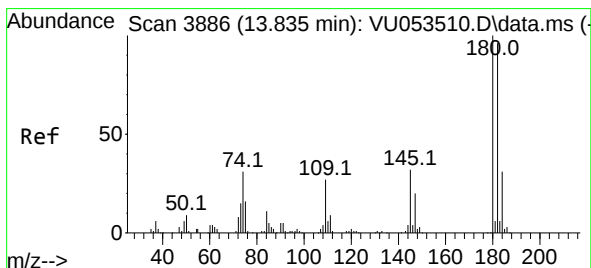
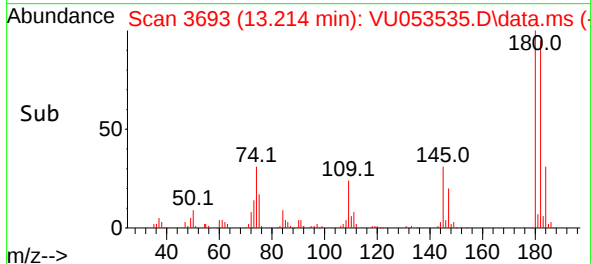
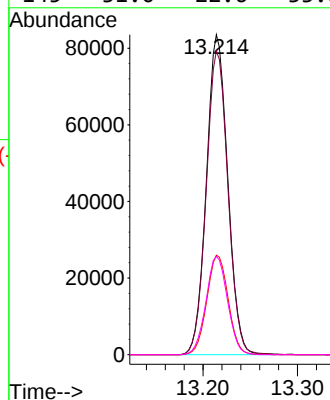
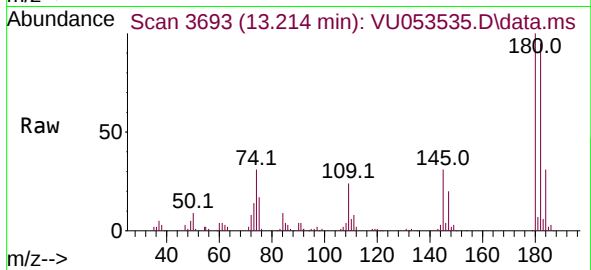




#69
1,3,5-Trichlorobenzene
Concen: 43.661 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

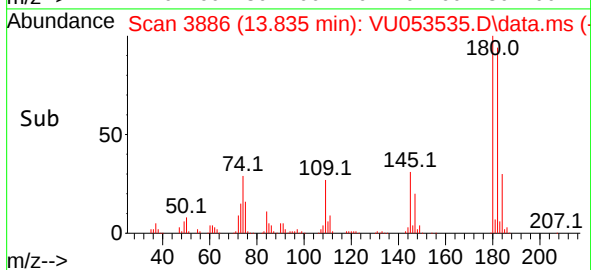
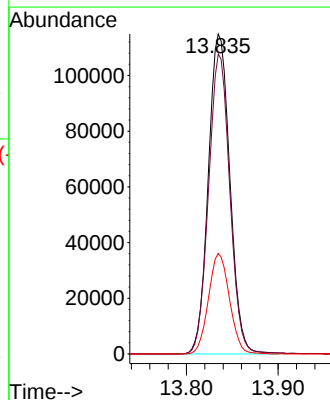
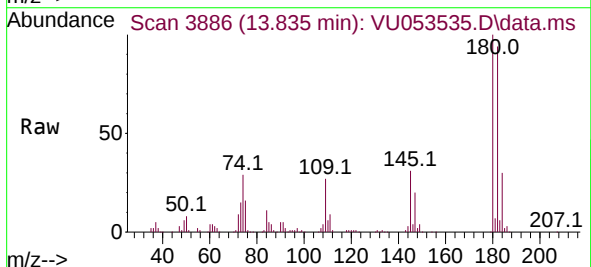
Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20230329)MSD

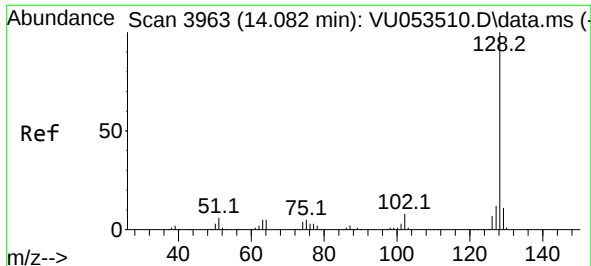
Tgt Ion:180	Resp:	131243	
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.6	113.4
184	31.1	24.2	36.2
145	31.0	22.6	33.8



#70
1,2,4-trichlorobenzene
Concen: 67.338 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

Tgt Ion:180	Resp:	187668	
Ion	Ratio	Lower	Upper
180	100		
182	92.0	75.8	113.8
145	30.6	23.4	35.2

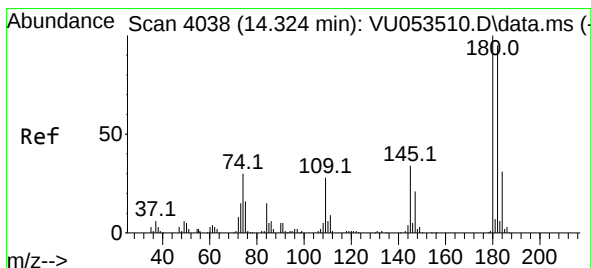
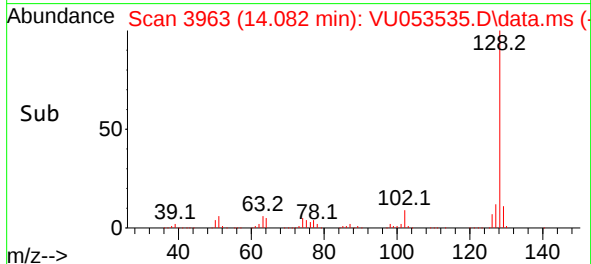
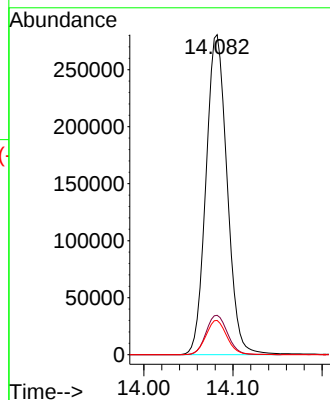
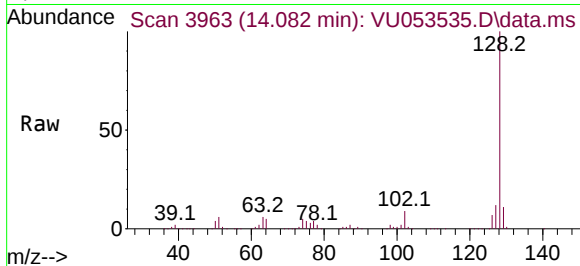




#71
Naphthalene
Concen: 55.453 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

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

Tgt Ion:	128	Resp:	462578
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.2
129	10.7	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 50.121 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU053535.D
Acq: 03 Apr 2023 21:11

Tgt Ion:	180	Resp:	139520
Ion Ratio	Lower	Upper	
180	100		
182	93.5	77.0	115.6
145	33.4	25.4	38.0

