

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040423\
 Data File : VU053567.D
 Acq On : 04 Apr 2023 17:31
 Operator : JC/MD
 Sample : 02158-23
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-3(20230331)

Quant Time: Apr 04 23:13:09 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)

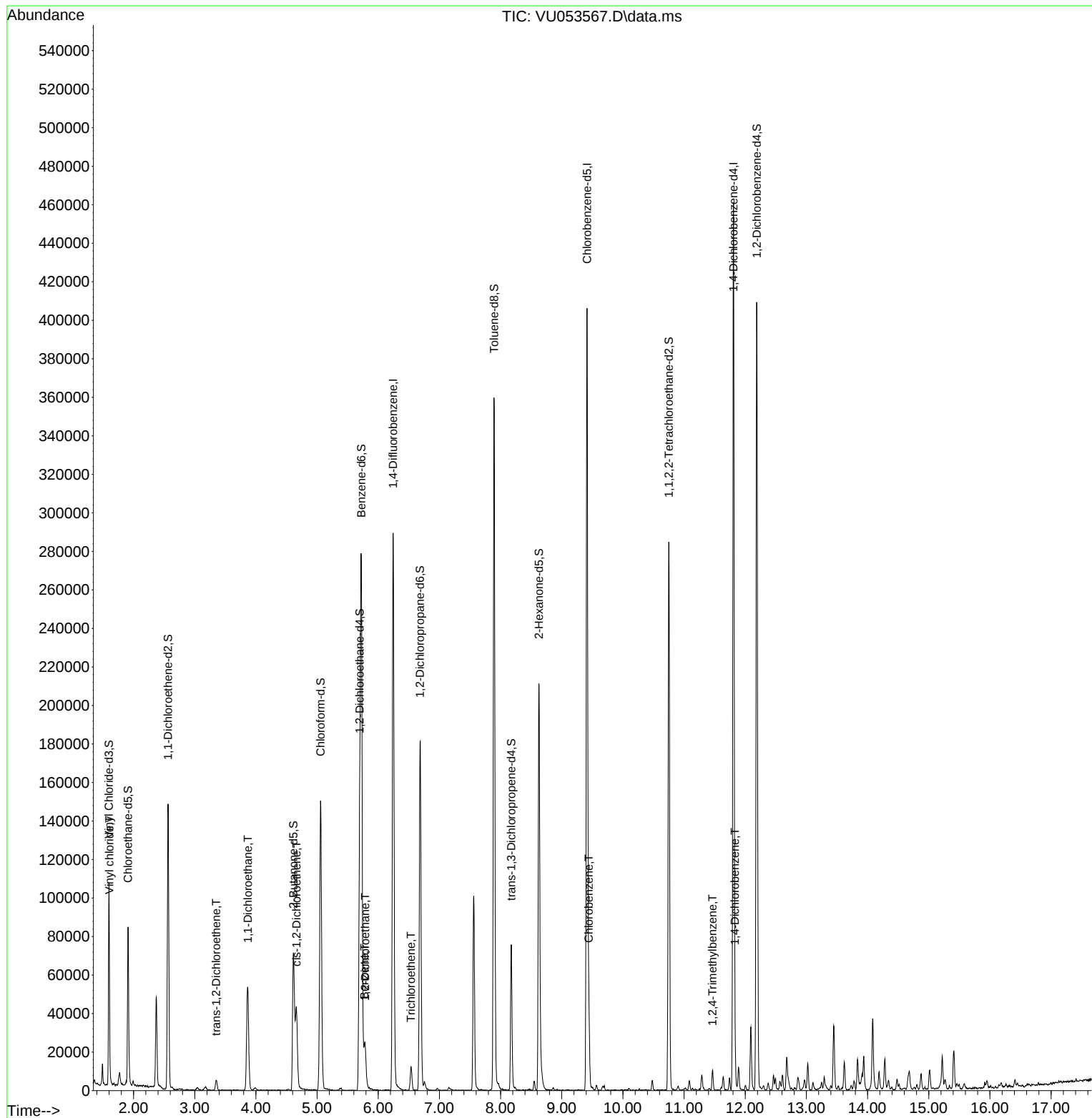
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	249852	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	237933	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	124320	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	69020	35.477	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	70.960%		
7) Chloroethane-d5	1.909	69	61916	41.276	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	82.560%		
11) 1,1-Dichloroethene-d2	2.565	63	86378	28.682	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	57.360%#		
21) 2-Butanone-d5	4.613	46	103037	116.976	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	116.980%		
24) Chloroform-d	5.057	84	137127	42.619	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.240%		
26) 1,2-Dichloroethane-d4	5.697	65	89322	46.981	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.960%		
32) Benzene-d6	5.722	84	273663	42.610	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.220%		
36) 1,2-Dichloropropane-d6	6.684	67	89262	45.471	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.940%		
41) Toluene-d8	7.893	98	253766	39.754	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.500%#		
43) trans-1,3-Dichloroprop...	8.176	79	43225	42.657	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.320%		
47) 2-Hexanone-d5	8.626	63	77499	115.676	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	115.680%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	136053	49.173	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.340%		
66) 1,2-Dichlorobenzene-d4	12.188	152	110027	42.400	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.800%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	5680	2.941	ug/L	# 76
17) trans-1,2-Dichloroethene	3.350	96	2325	1.509	ug/L	82
19) 1,1-Dichloroethane	3.867	63	61881	24.245	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	21757	12.225	ug/L	95
27) 1,2-Dichloroethane	5.787	62	11757	5.484	ug/L	97
33) Benzene	5.774	78	15772	2.544	ug/L	100
34) Trichloroethene	6.536	95	3950	2.107	ug/L	83
51) Chlorobenzene	9.443	112	19099	3.946	ug/L	90
63) 1,2,4-Trimethylbenzene	11.465	105	6301	1.041	ug/L	92
65) 1,4-Dichlorobenzene	11.832	146	6351	1.622	ug/L	88

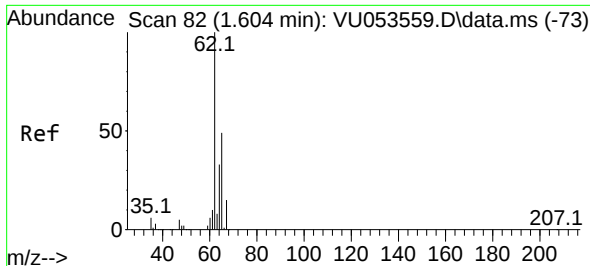
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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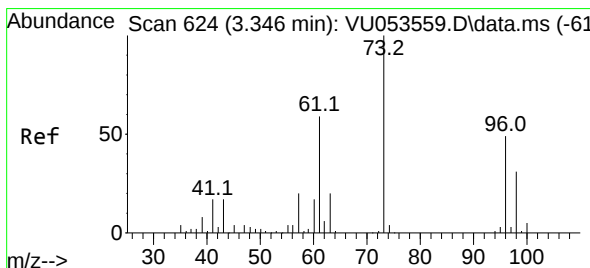
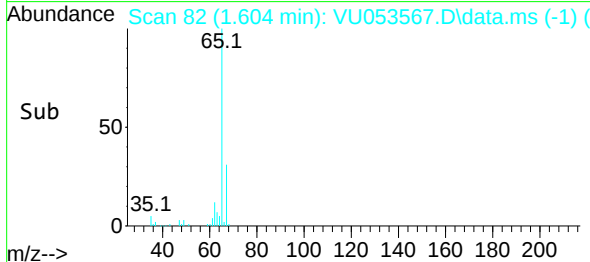
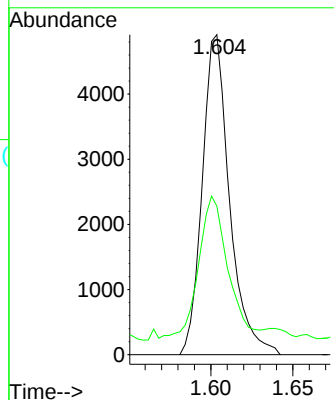
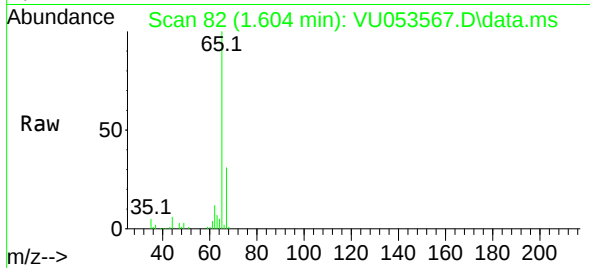




#5
 Vinyl chloride
 Concen: 2.941 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053567.D
 Acq: 04 Apr 2023 17:31

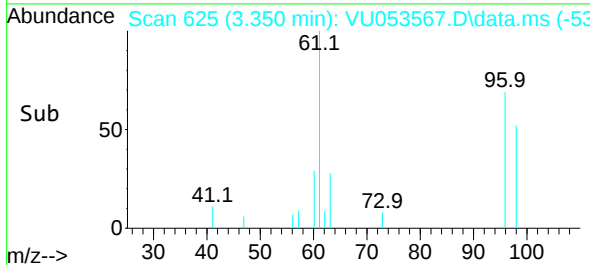
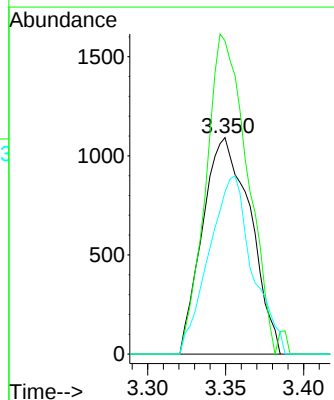
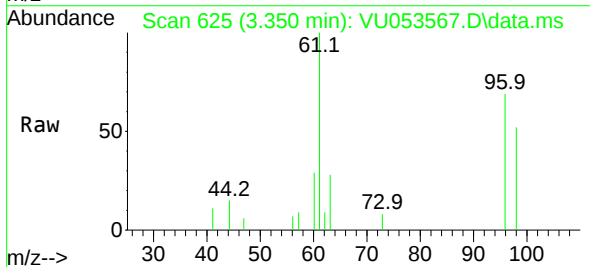
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-3(20230331)

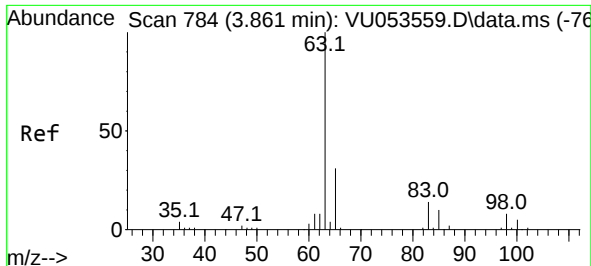
Tgt Ion: 62 Resp: 5680
 Ion Ratio Lower Upper
 62 100
 64 46.5 23.2 43.0#



#17
 trans-1,2-Dichloroethene
 Concen: 1.509 ug/L
 RT: 3.350 min Scan# 625
 Delta R.T. -0.000 min
 Lab File: VU053567.D
 Acq: 04 Apr 2023 17:31

Tgt Ion: 96 Resp: 2325
 Ion Ratio Lower Upper
 96 100
 61 144.7 84.4 156.8
 98 74.9 46.0 85.4





#19

1,1-Dichloroethane

Concen: 24.245 ug/L

RT: 3.867 min Scan# 7

Delta R.T. 0.003 min

Lab File: VU053567.D

Acq: 04 Apr 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

PMW-3(20230331)

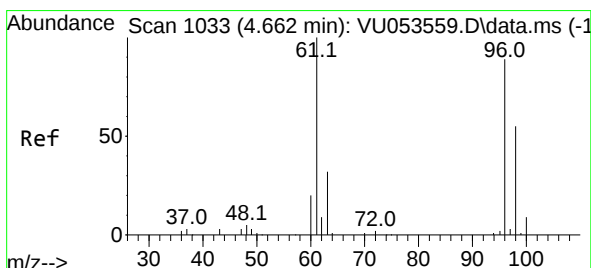
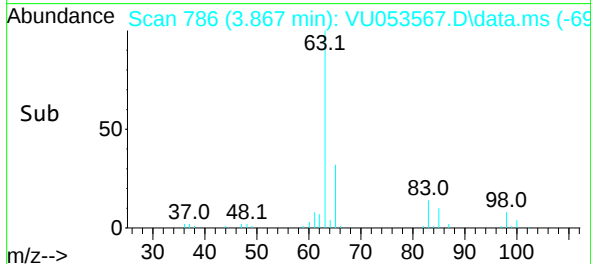
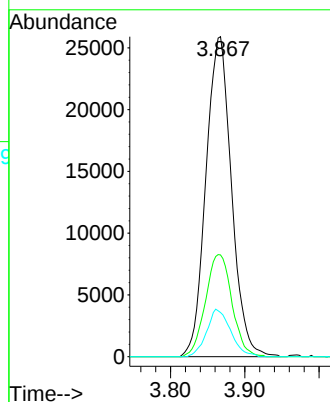
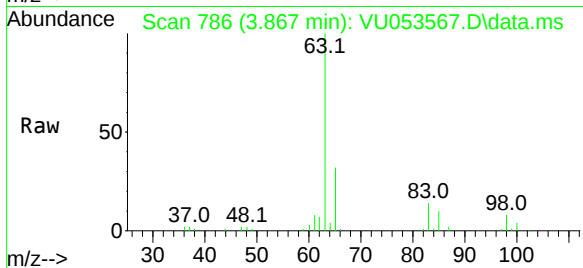
Tgt Ion: 63 Resp: 61881

Ion Ratio Lower Upper

63 100

65 31.8 22.0 41.0

83 13.8 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 12.225 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU053567.D

Acq: 04 Apr 2023 17:31

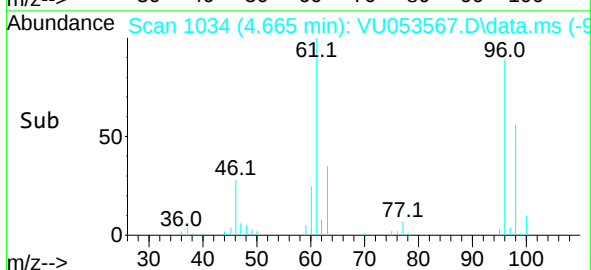
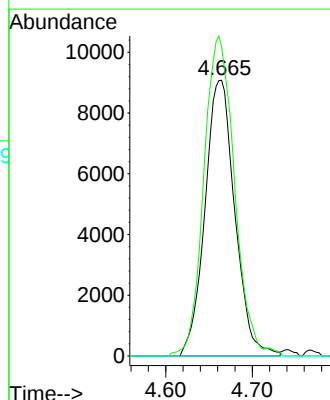
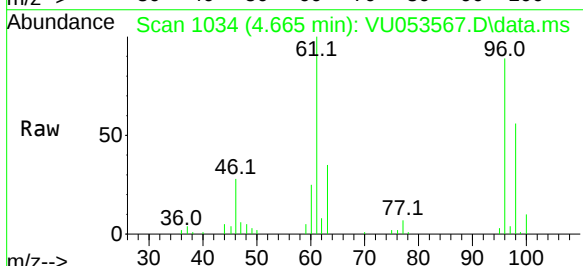
Tgt Ion: 96 Resp: 21757

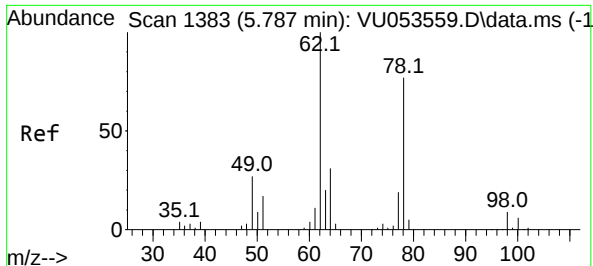
Ion Ratio Lower Upper

96 100

61 111.9 74.7 138.7

68 0.0 0.0 0.0

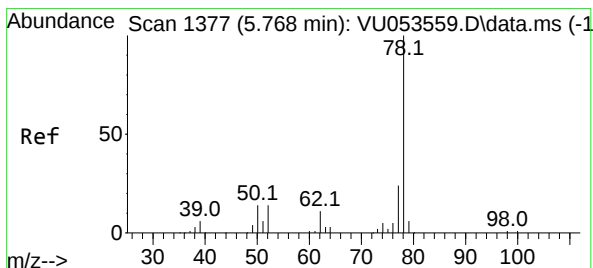
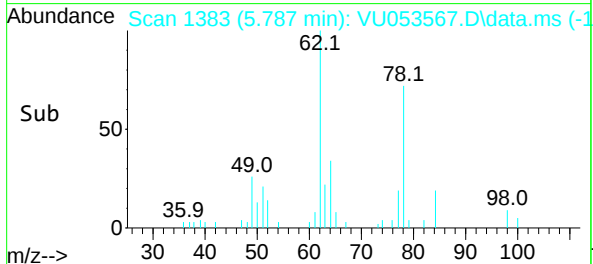
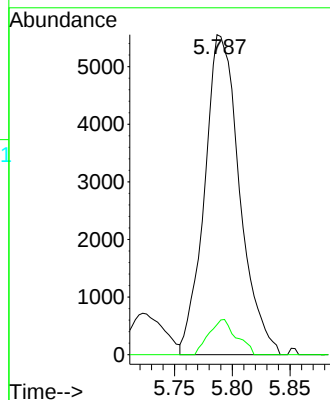
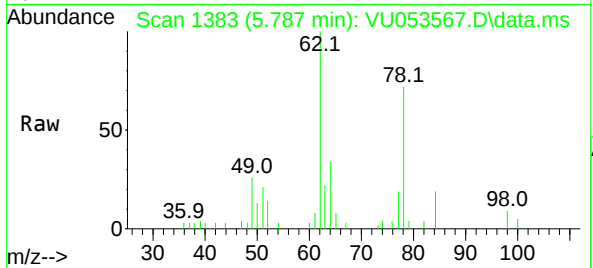




#27
1,2-Dichloroethane
Concen: 5.484 ug/L
RT: 5.787 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053567.D
Acq: 04 Apr 2023 17:31

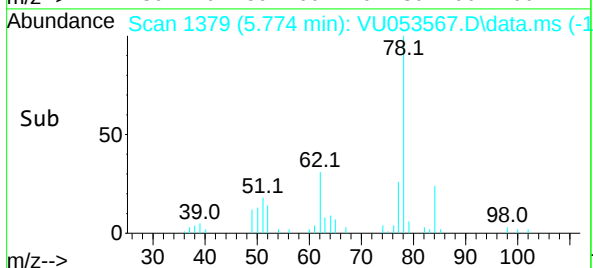
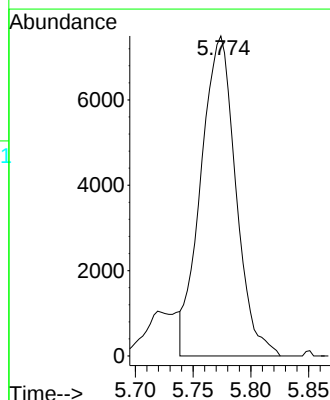
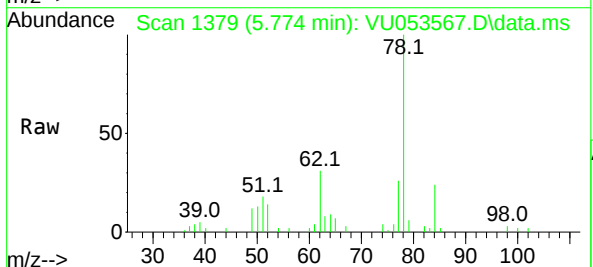
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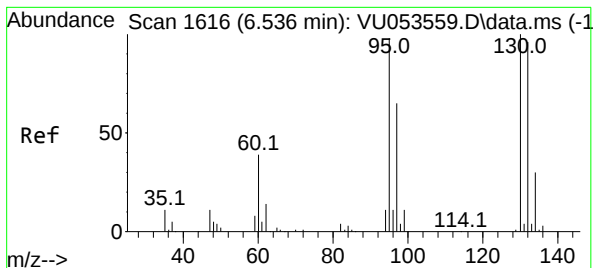
Tgt Ion: 62 Resp: 11757
Ion Ratio Lower Upper
62 100
98 9.4 8.3 12.5



#33
Benzene
Concen: 2.544 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VU053567.D
Acq: 04 Apr 2023 17:31

Tgt Ion: 78 Resp: 15772





#34

Trichloroethene

Concen: 2.107 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053567.D

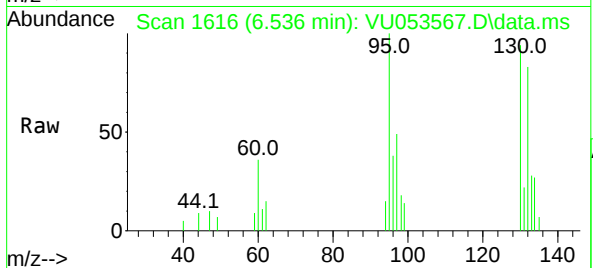
Acq: 04 Apr 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

PMW-3(20230331)



Tgt Ion: 95 Resp: 3950

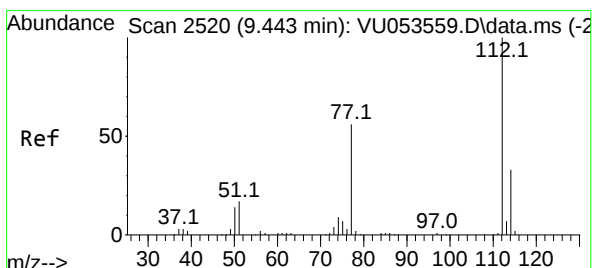
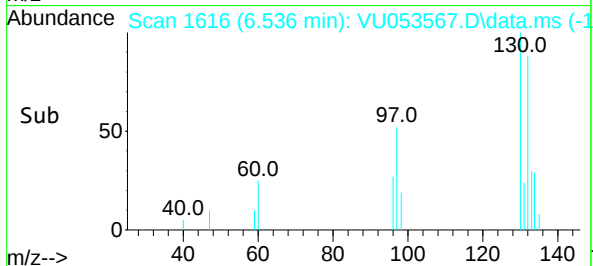
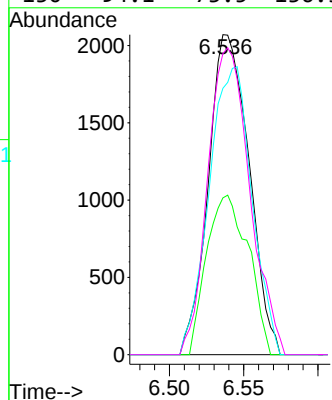
Ion Ratio Lower Upper

95 100

97 49.0 45.1 83.7

132 83.2 74.1 137.5

130 94.1 73.5 136.5



#51

Chlorobenzene

Concen: 3.946 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053567.D

Acq: 04 Apr 2023 17:31

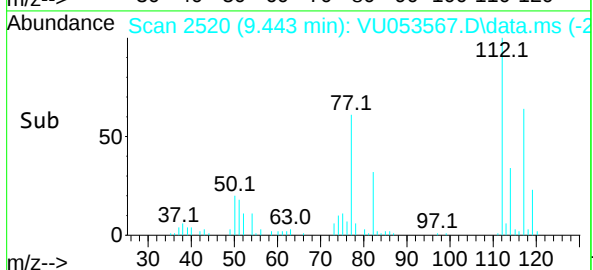
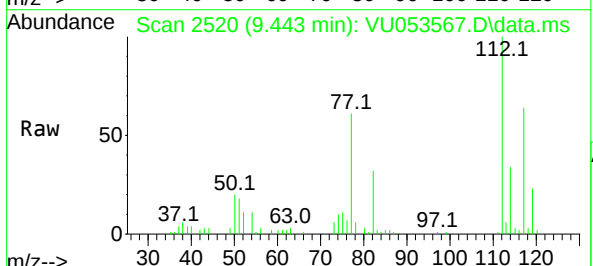
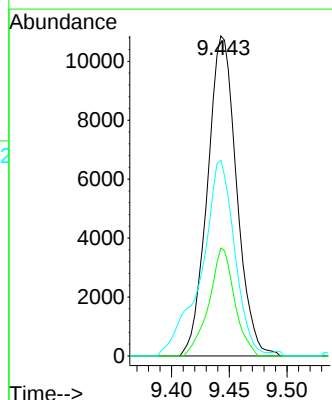
Tgt Ion: 112 Resp: 19099

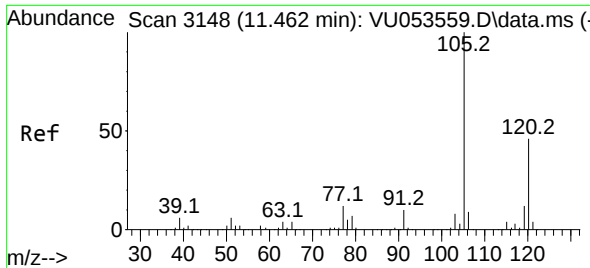
Ion Ratio Lower Upper

112 100

114 33.8 22.2 41.2

77 61.1 41.3 61.9

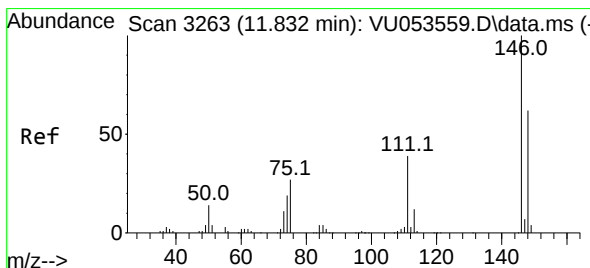
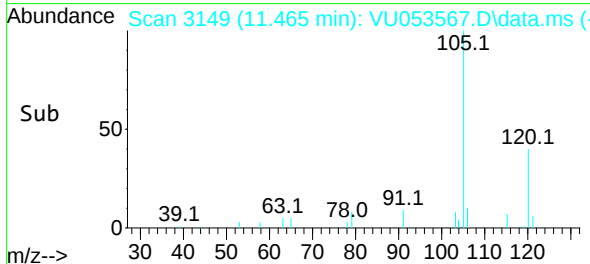
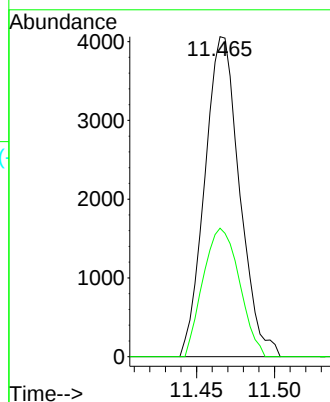
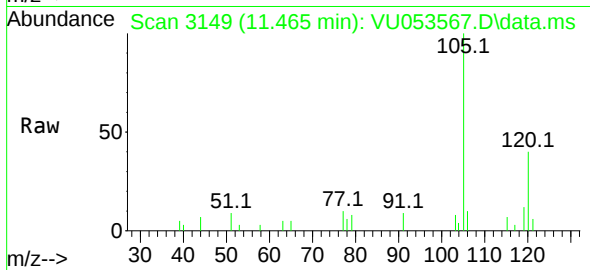




#63
1,2,4-Trimethylbenzene
Concen: 1.041 ug/L
RT: 11.465 min Scan# 3148
Delta R.T. 0.003 min
Lab File: VU053567.D
Acq: 04 Apr 2023 17:31

Instrument :
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Tgt Ion:105 Resp: 6301
Ion Ratio Lower Upper
105 100
120 41.9 37.5 56.3



#65
1,4-Dichlorobenzene
Concen: 1.622 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053567.D
Acq: 04 Apr 2023 17:31

Tgt Ion:146 Resp: 6351
Ion Ratio Lower Upper
146 100
111 39.1 25.1 46.5
148 50.6 44.3 82.3

