

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U040524\
 Data File : U058433.D
 Acq On : 05 Apr 2024 21:03
 Operator : MD/SY
 Sample : P1925-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-3(20240326)

Quant Time: Apr 06 05:57:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 06 00:37:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	80252	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	78544	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	38573	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	23533	4.429	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.600%
7) Chloroethane-d5	1.907	69	22595	4.893	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.800%
11) 1,1-Dichloroethene-d2	2.560	65	11491	4.778	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.600%
20) 2-Butanone-d5	4.624	46	52992	47.327	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.660%
24) Chloroform-d	5.052	84	49789	4.694	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	5.692	65	25084	5.068	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.400%
32) Benzene-d6	5.717	84	99815	4.720	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.682	67	31666	4.775	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.891	98	84896	4.527	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	8.177	79	9037	4.390	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.627	63	40290	47.454	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.900%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	20194	4.313	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	29891	4.601	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	13292	1.626	ug/L	93
12) 1,1-Dichloroethene	2.570	96	1570	0.276	ug/L	# 1
16) Methylene chloride	3.039	84	2727	0.361	ug/L	92
18) trans-1,2-Dichloroethene	3.351	96	5425	0.910	ug/L	92
19) 1,1-Dichloroethane	3.856	63	215706	16.579	ug/L	98
22) cis-1,2-Dichloroethene	4.656	96	65266	9.750	ug/L	98
27) 1,2-Dichloroethane	5.785	62	29340	3.826	ug/L	99
30) Cyclohexane	5.377	56	4849	0.436	ug/L	98
33) Benzene	5.766	78	57261	2.011	ug/L	100
34) Trichloroethene	6.534	95	10957	1.527	ug/L	98
35) Methylcyclohexane	6.753	83	6728	0.622	ug/L	95
42) Toluene	7.968	91	3404	0.114	ug/L	93
47) Tetrachloroethene	8.547	164	2984	0.567	ug/L	98
51) Chlorobenzene	9.441	112	86547	4.789	ug/L	99
52) Ethylbenzene	9.566	91	11968	0.378	ug/L	98
53) m,p-Xylene	9.695	106	1412	0.125	ug/L	99
54) o-Xylene	10.097	106	1325	0.119	ug/L	83
60) Isopropylbenzene	10.476	105	19618	0.695	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	15514	0.674	ug/L	100

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Response via : Initial Calibration

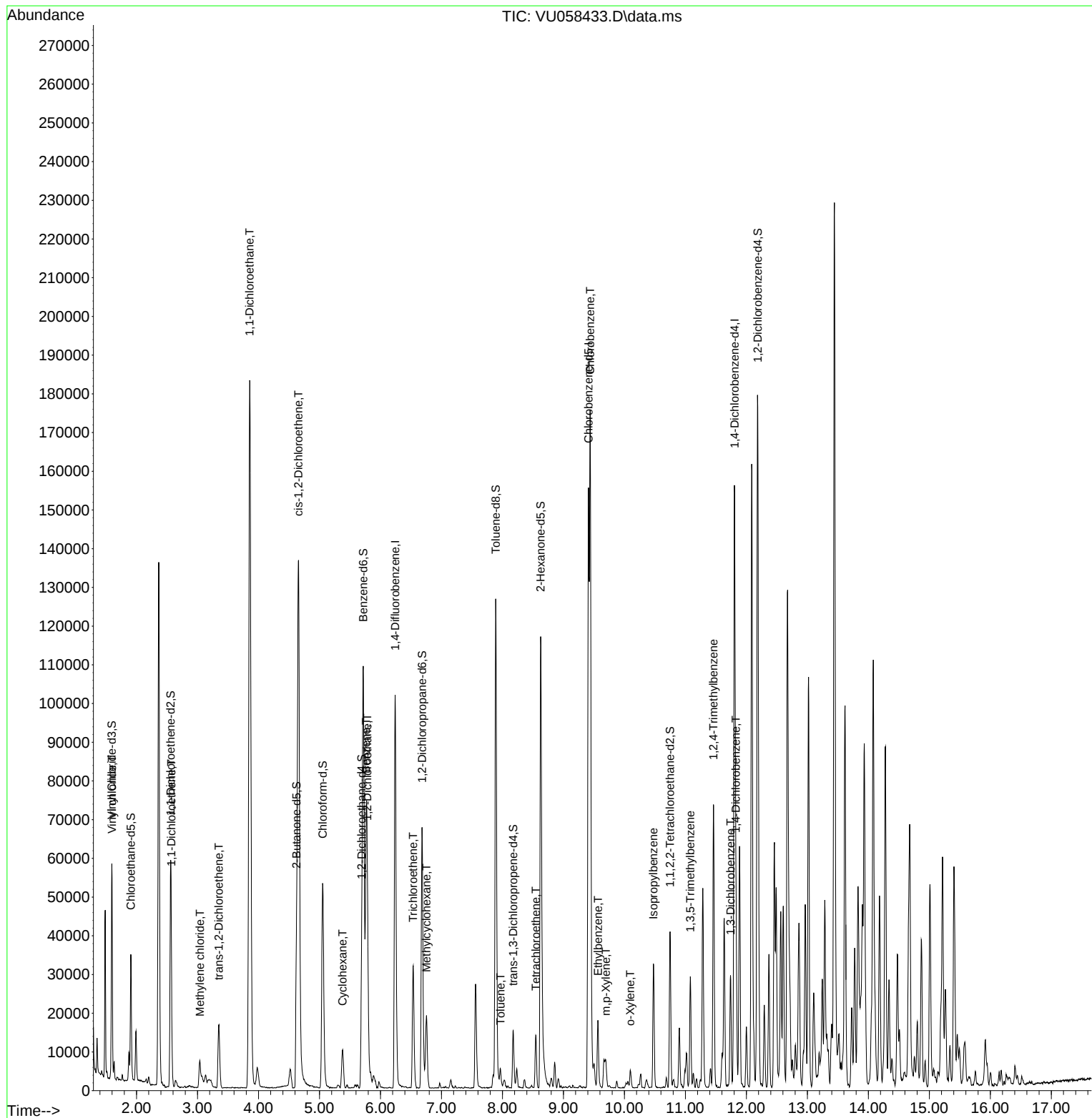
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.460	105	39616	1.685	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	7890	0.575	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	15308	1.145	ug/L	99

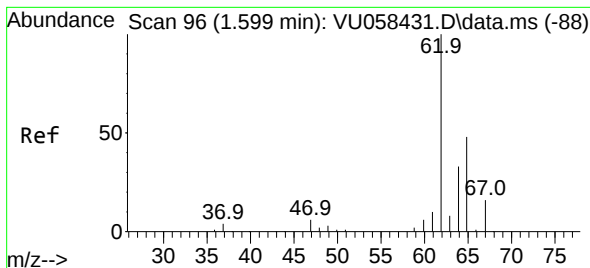
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.626 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.000 min

Lab File: VU058433.D

Acq: 05 Apr 2024 21:03

Instrument :

MSVOA_U

ClientSampleId :

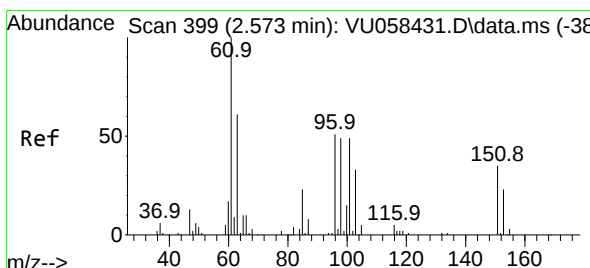
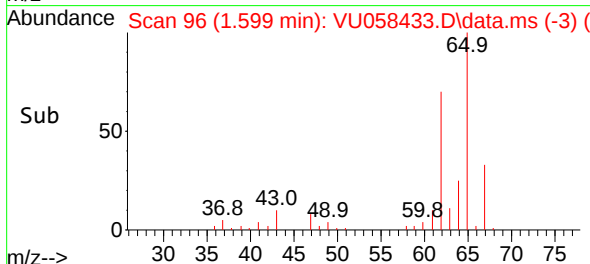
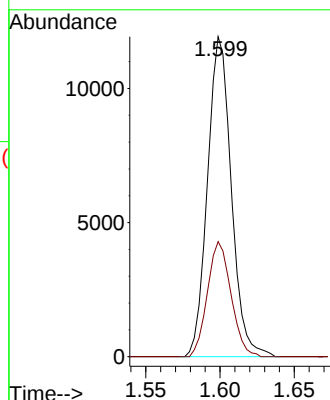
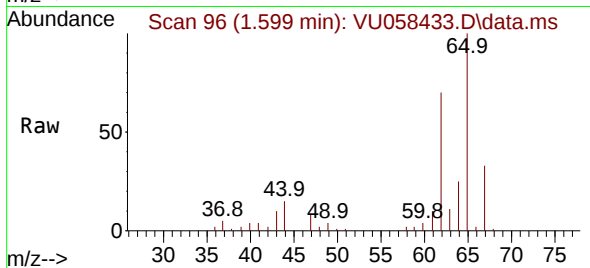
PMW-3(20240326)

Tgt Ion: 62 Resp: 13292

Ion Ratio Lower Upper

62 100

64 36.0 22.6 42.0



#12

1,1-Dichloroethene

Concen: 0.276 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.003 min

Lab File: VU058433.D

Acq: 05 Apr 2024 21:03

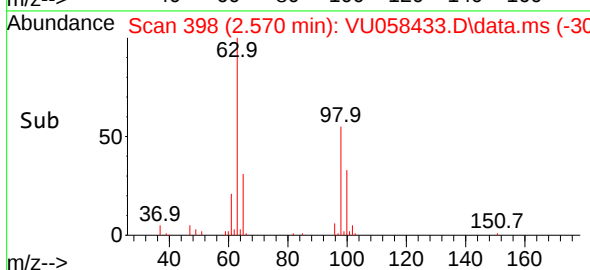
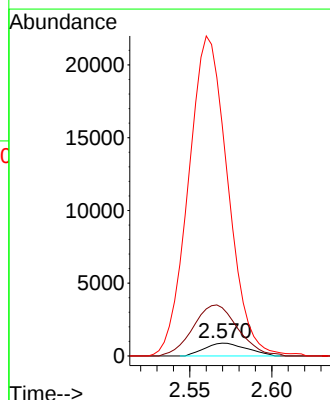
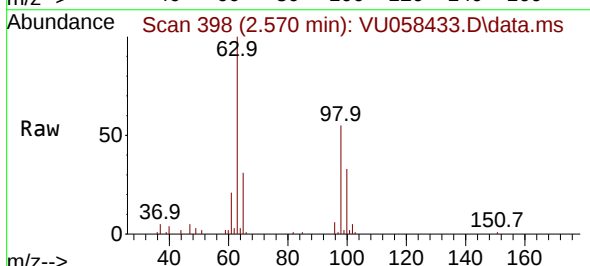
Tgt Ion: 96 Resp: 1570

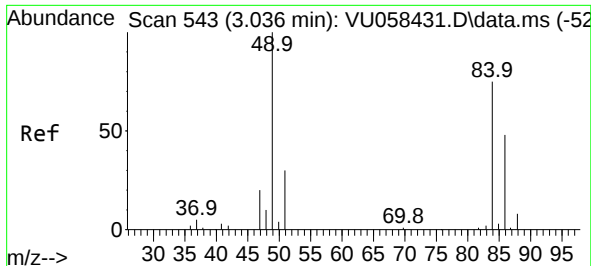
Ion Ratio Lower Upper

96 100

61 378.4 132.5 246.1#

63 1816.3 87.7 162.9#

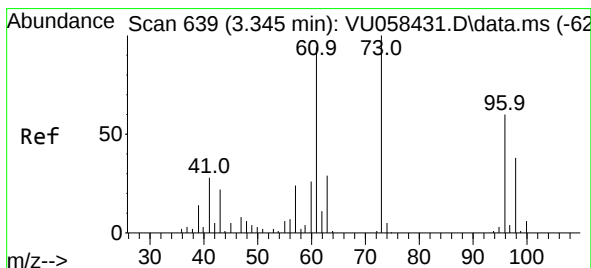
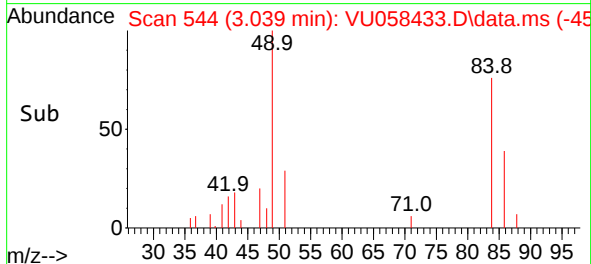
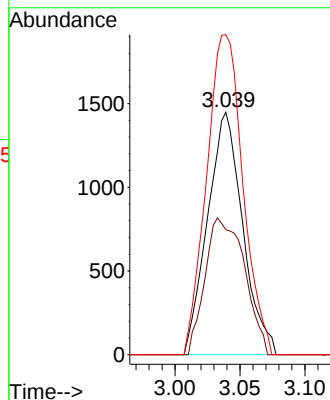
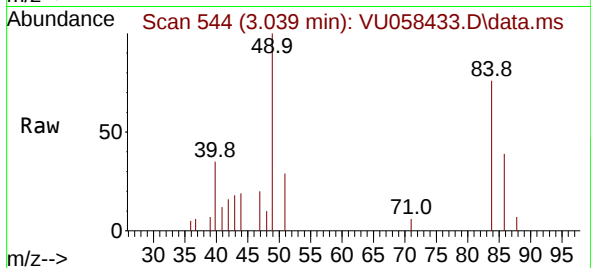




#16
Methylene chloride
Concen: 0.361 ug/L
RT: 3.039 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU058433.D
Acq: 05 Apr 2024 21:03

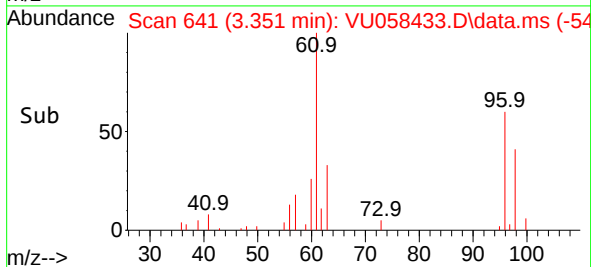
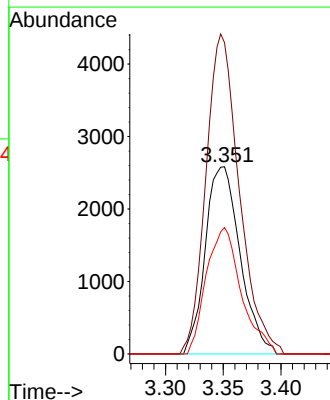
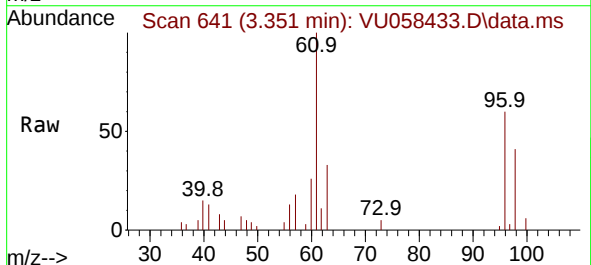
Instrument :
MSVOA_U
ClientSampleId :
PMW-3(20240326)

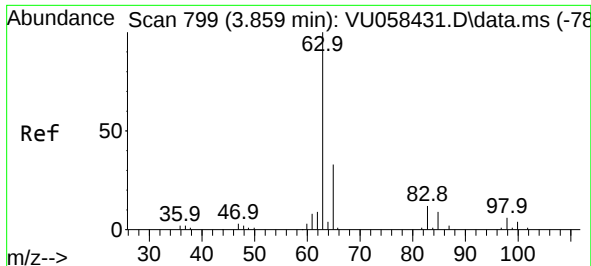
Tgt Ion: 84 Resp: 2727
Ion Ratio Lower Upper
84 100
86 51.6 44.3 82.3
49 132.0 96.0 178.2



#18
trans-1,2-Dichloroethene
Concen: 0.910 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.006 min
Lab File: VU058433.D
Acq: 05 Apr 2024 21:03

Tgt Ion: 96 Resp: 5425
Ion Ratio Lower Upper
96 100
61 166.3 107.6 199.8
98 67.5 45.1 83.7





#19

1,1-Dichloroethane

Concen: 16.579 ug/L

RT: 3.856 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU058433.D

Acq: 05 Apr 2024 21:03

Instrument :

MSVOA_U

ClientSampleId :

PMW-3(20240326)

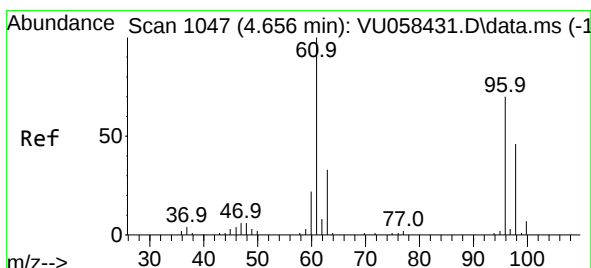
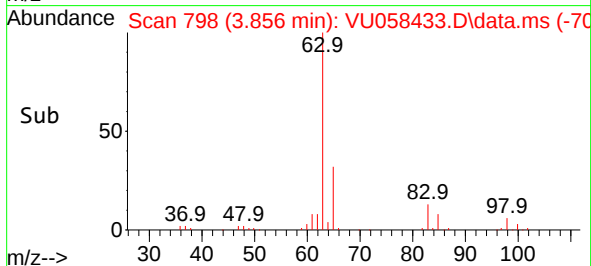
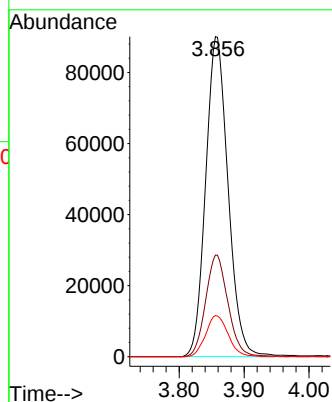
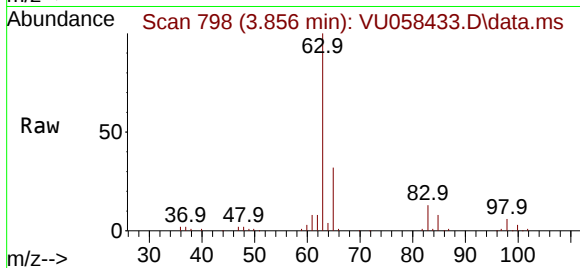
Tgt Ion: 63 Resp: 215706

Ion Ratio Lower Upper

63 100

65 31.8 22.9 42.5

83 12.8 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 9.750 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU058433.D

Acq: 05 Apr 2024 21:03

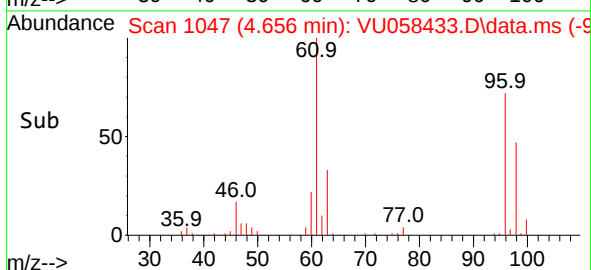
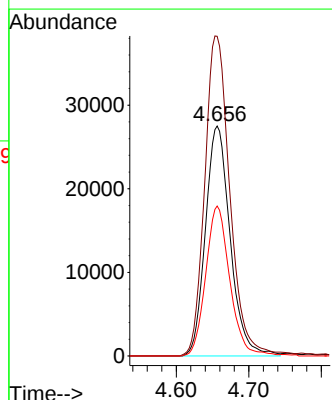
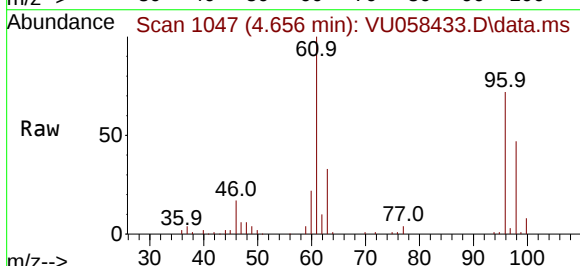
Tgt Ion: 96 Resp: 65266

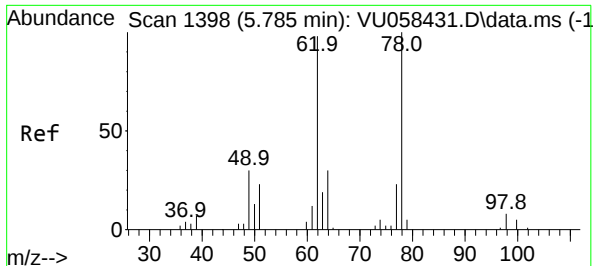
Ion Ratio Lower Upper

96 100

61 139.0 98.1 182.3

98 65.2 43.6 81.0

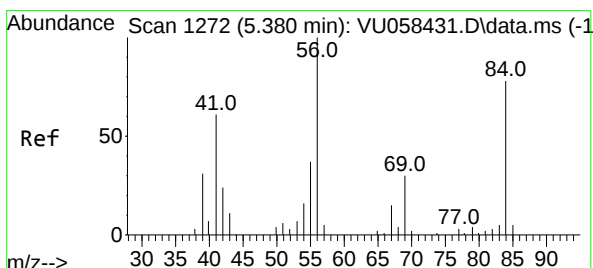
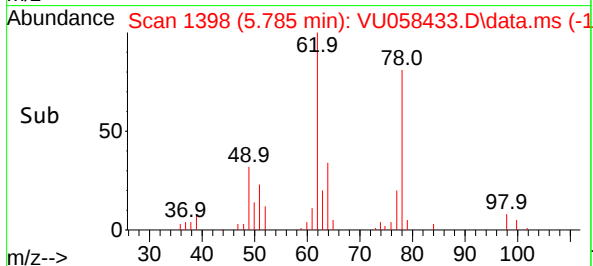
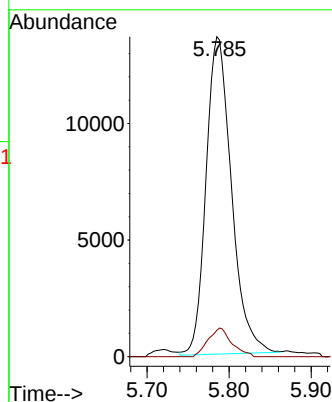
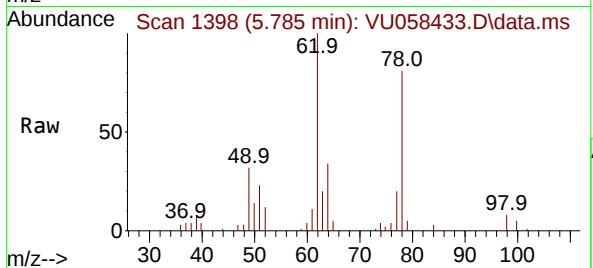




#27
1,2-Dichloroethane
Concen: 3.826 ug/L
RT: 5.785 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU058433.D
Acq: 05 Apr 2024 21:03

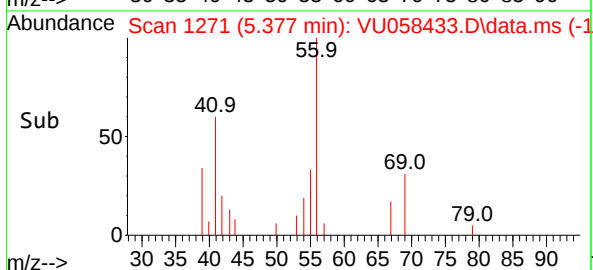
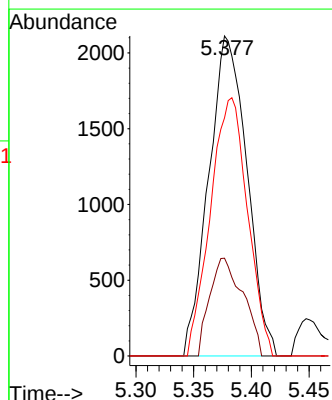
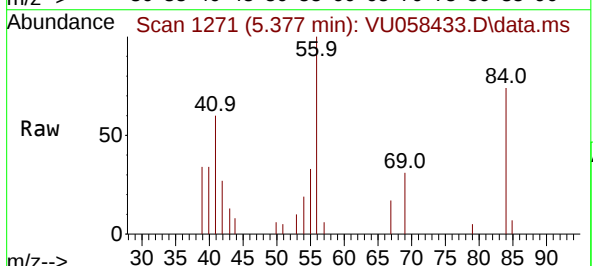
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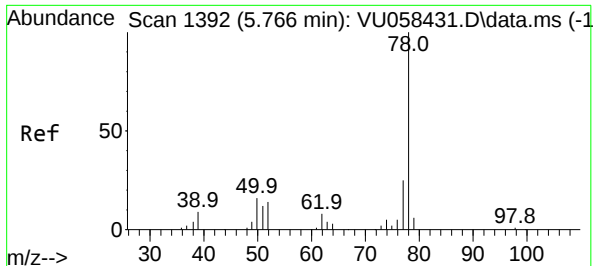
Tgt Ion: 62 Resp: 29340
Ion Ratio Lower Upper
62 100
98 8.3 7.0 10.4



#30
Cyclohexane
Concen: 0.436 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.003 min
Lab File: VU058433.D
Acq: 05 Apr 2024 21:03

Tgt Ion: 56 Resp: 4849
Ion Ratio Lower Upper
56 100
69 26.7 23.2 34.8
84 78.6 63.3 94.9

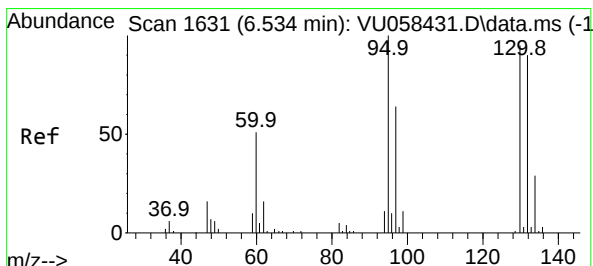
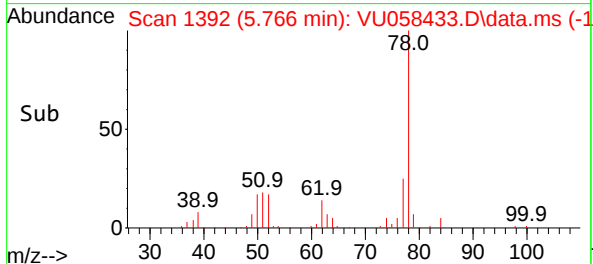
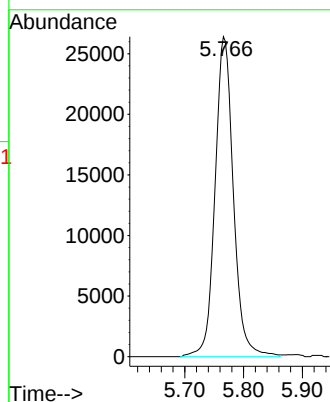
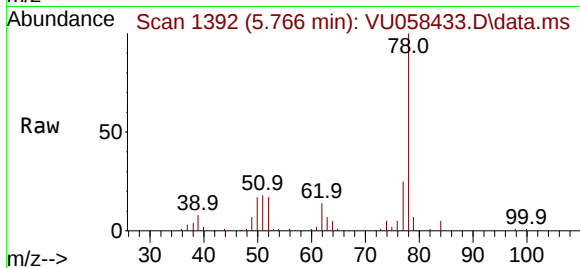




#33
Benzene
Concen: 2.011 ug/L
RT: 5.766 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU058433.D
Acq: 05 Apr 2024 21:03

Instrument :
MSVOA_U
ClientSampleId :
PMW-3(20240326)

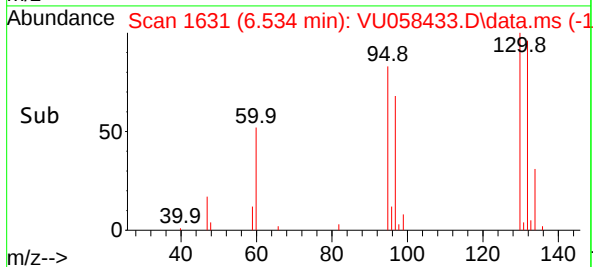
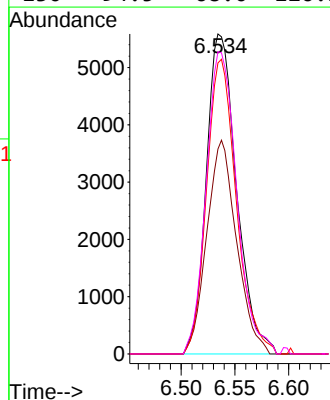
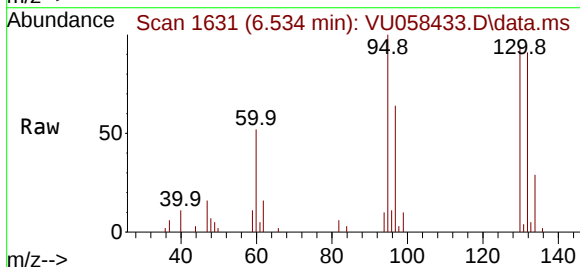
Tgt Ion: 78 Resp: 57261

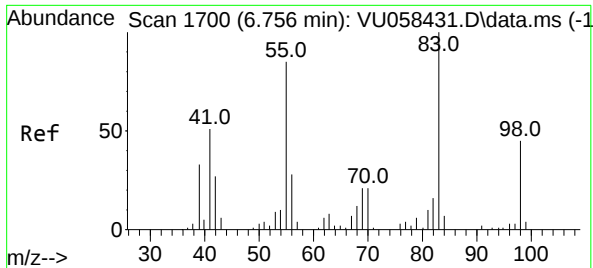


#34
Trichloroethene
Concen: 1.527 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU058433.D
Acq: 05 Apr 2024 21:03

Tgt Ion: 95 Resp: 10957

Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.6	84.6
132	91.0	64.8	120.3
130	94.5	68.0	126.2

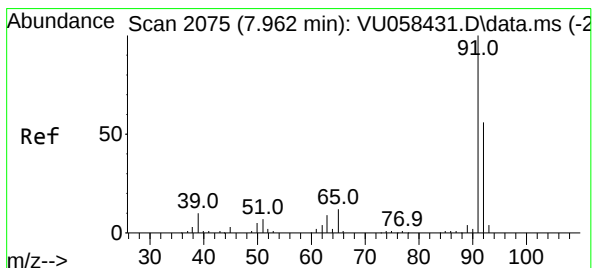
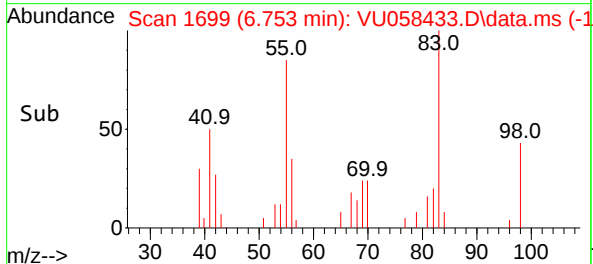
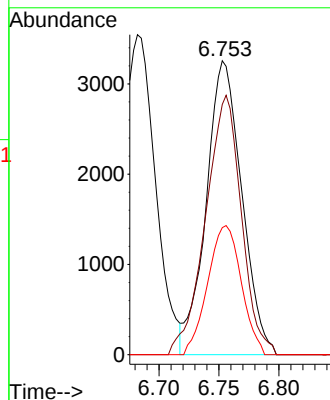
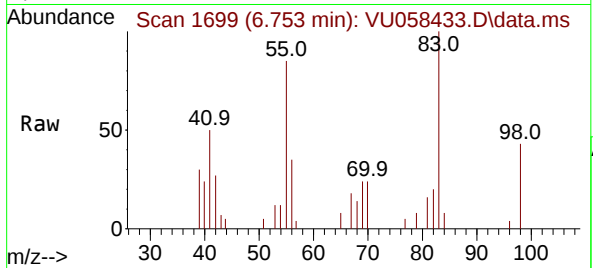




#35
Methylcyclohexane
Concen: 0.622 ug/L
RT: 6.753 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU058433.D
Acq: 05 Apr 2024 21:03

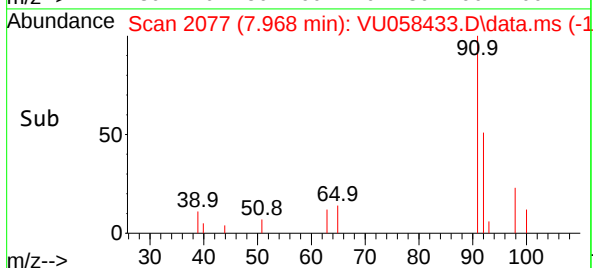
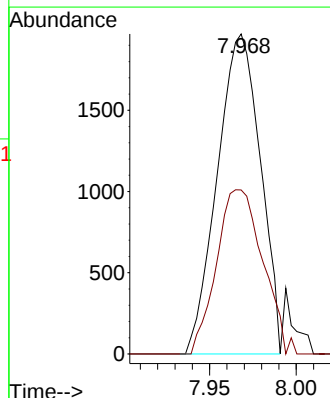
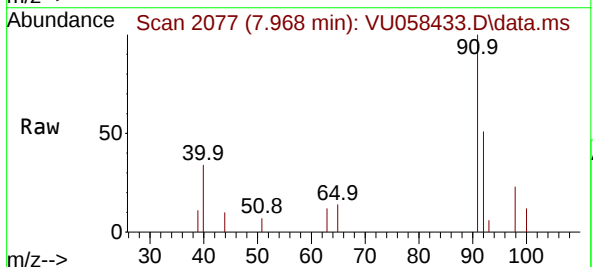
Instrument :
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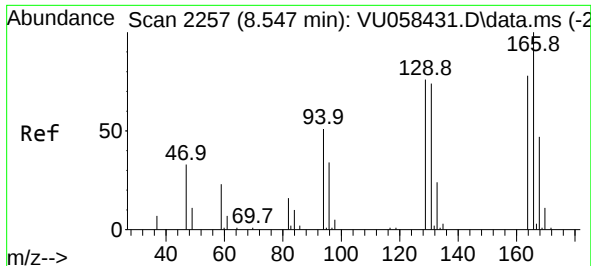
Tgt Ion: 83	Resp: 6728
Ion Ratio	Lower Upper
83 100	
55 88.5	66.2 99.4
98 41.4	34.6 52.0



#42
Toluene
Concen: 0.114 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.006 min
Lab File: VU058433.D
Acq: 05 Apr 2024 21:03

Tgt Ion: 91	Resp: 3404		
Ion Ratio	Lower	Upper	
91 100			
92 51.3	39.5	73.3	



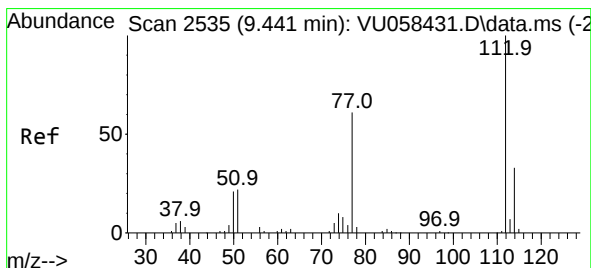
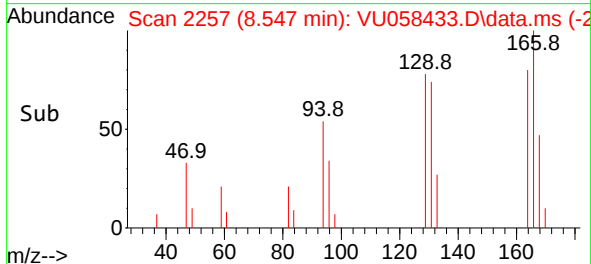
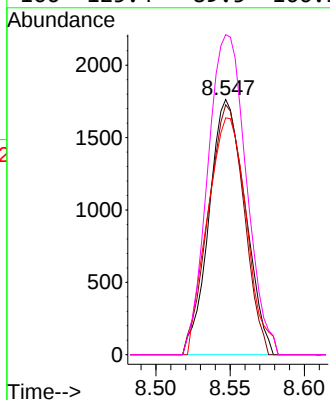
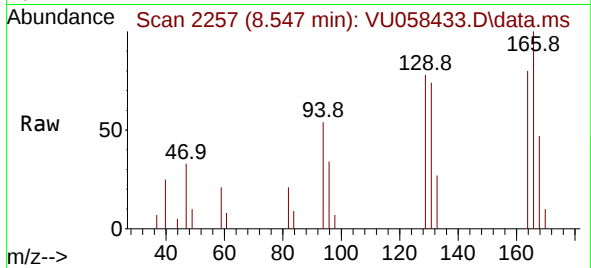


#47
Tetrachloroethene
Concen: 0.567 ug/L
RT: 8.547 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058433.D
Acq: 05 Apr 2024 21:03

Instrument :
MSVOA_U
ClientSampleId :
PMW-3(20240326)

Tgt Ion:164 Resp: 2984

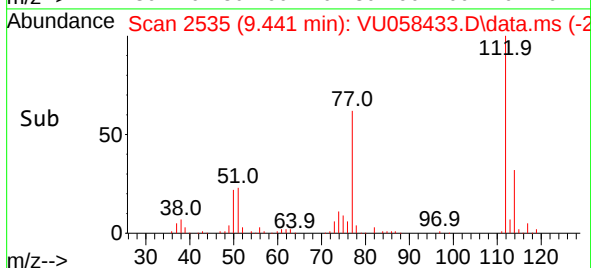
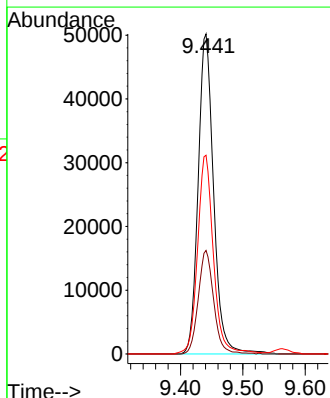
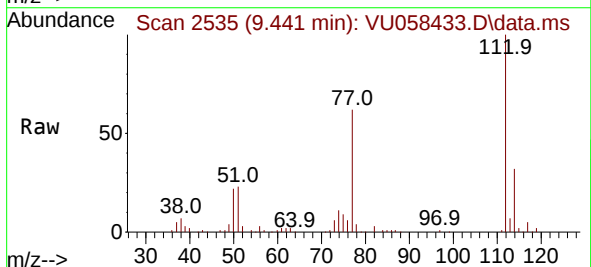
Ion	Ratio	Lower	Upper
164	100		
129	98.0	67.3	125.1
131	92.8	65.5	121.6
166	125.4	89.5	166.1

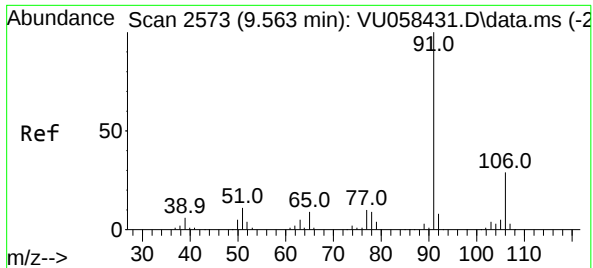


#51
Chlorobenzene
Concen: 4.789 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058433.D
Acq: 05 Apr 2024 21:03

Tgt Ion:112 Resp: 86547

Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.4	41.6
77	62.1	50.1	75.1





#52

Ethylbenzene

Concen: 0.378 ug/L

RT: 9.566 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU058433.D

Acq: 05 Apr 2024 21:03

Instrument :

MSVOA_U

ClientSampleId :

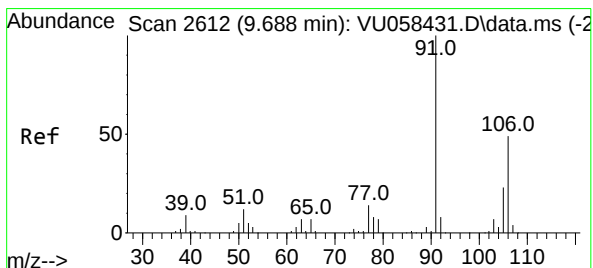
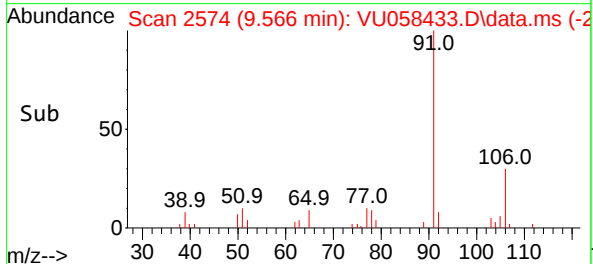
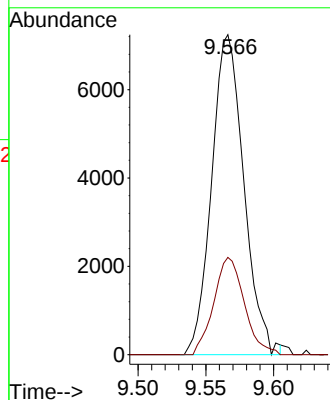
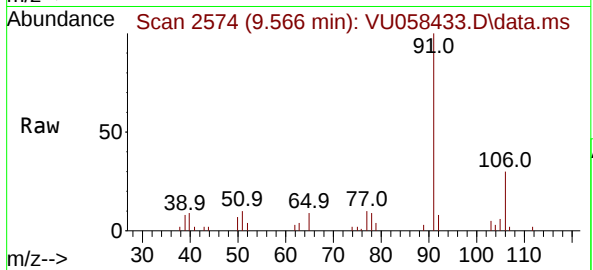
PMW-3(20240326)

Tgt Ion: 91 Resp: 11968

Ion Ratio Lower Upper

91 100

106 30.4 20.6 38.4



#53

m,p-Xylene

Concen: 0.125 ug/L

RT: 9.695 min Scan# 2614

Delta R.T. 0.006 min

Lab File: VU058433.D

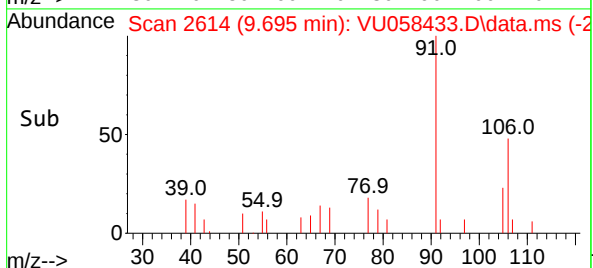
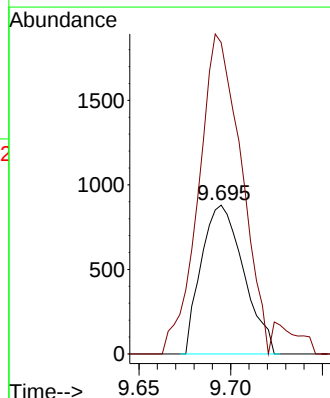
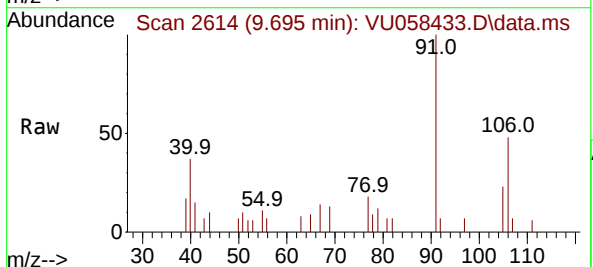
Acq: 05 Apr 2024 21:03

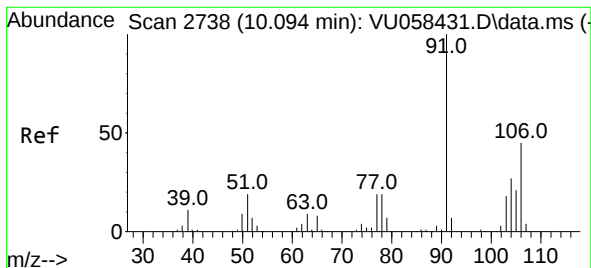
Tgt Ion:106 Resp: 1412

Ion Ratio Lower Upper

106 100

91 209.3 147.8 274.4





#54

o-Xylene

Concen: 0.119 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU058433.D

Acq: 05 Apr 2024 21:03

Instrument :

MSVOA_U

ClientSampleId :

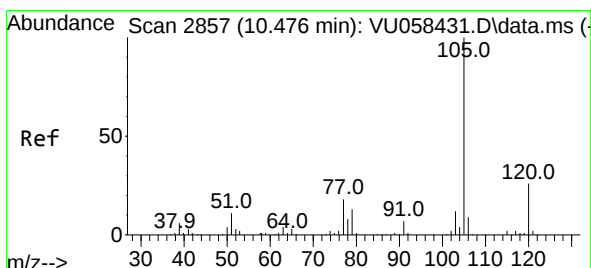
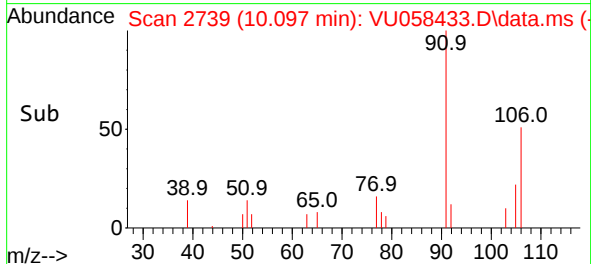
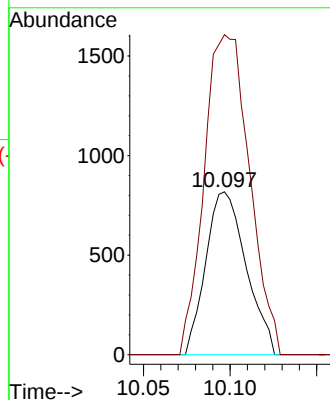
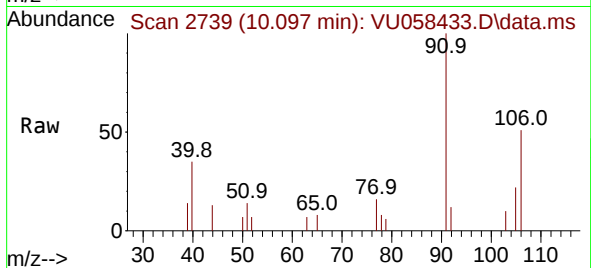
PMW-3(20240326)

Tgt Ion:106 Resp: 1325

Ion Ratio Lower Upper

106 100

91 196.5 156.9 291.5



#60

Isopropylbenzene

Concen: 0.695 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU058433.D

Acq: 05 Apr 2024 21:03

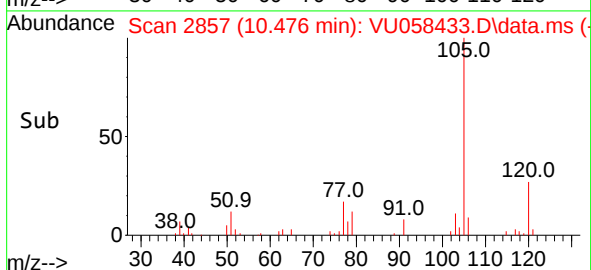
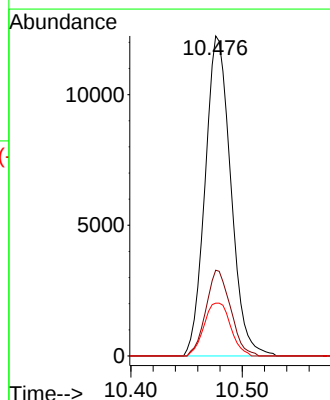
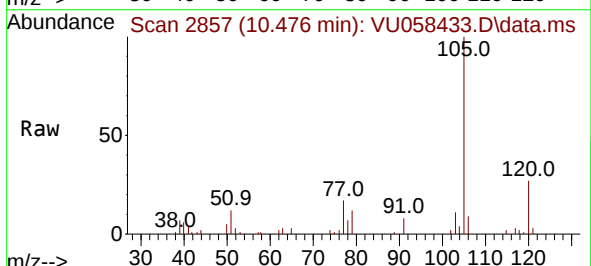
Tgt Ion:105 Resp: 19618

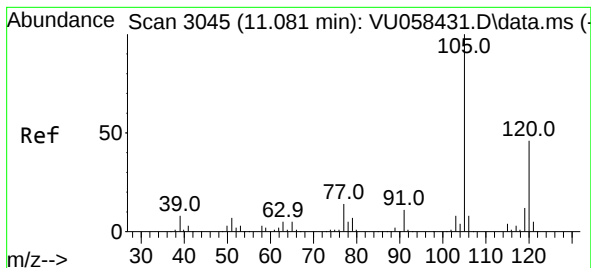
Ion Ratio Lower Upper

105 100

120 25.7 20.2 30.4

77 17.1 13.5 20.3





#62

1,3,5-Trimethylbenzene

Concen: 0.674 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU058433.D

Acq: 05 Apr 2024 21:03

Instrument :

MSVOA_U

ClientSampleId :

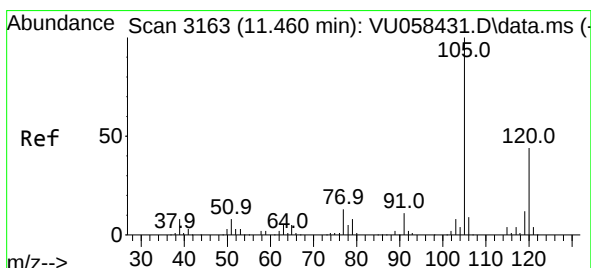
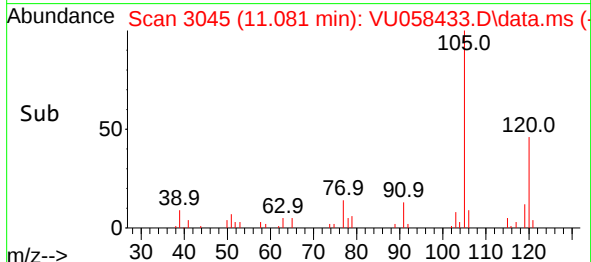
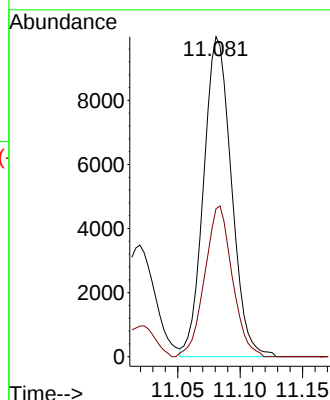
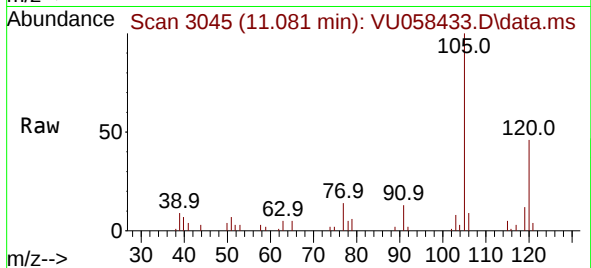
PMW-3(20240326)

Tgt Ion:105 Resp: 15514

Ion Ratio Lower Upper

105 100

120 46.7 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 1.685 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU058433.D

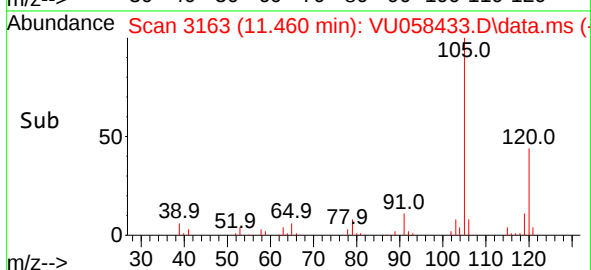
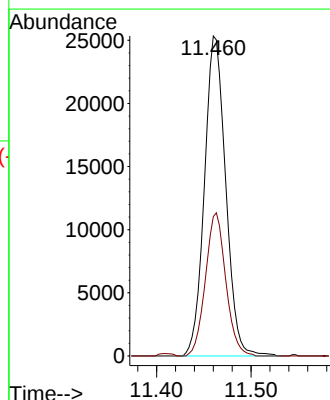
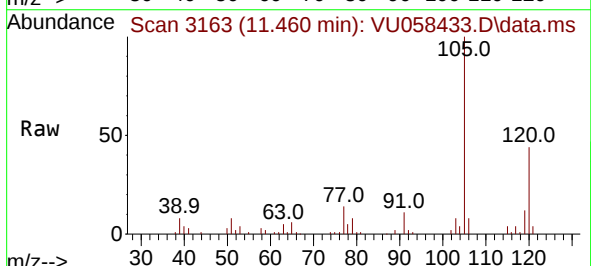
Acq: 05 Apr 2024 21:03

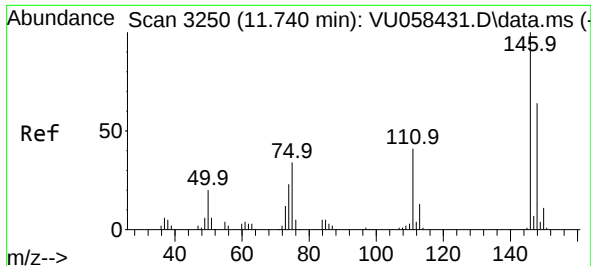
Tgt Ion:105 Resp: 39616

Ion Ratio Lower Upper

105 100

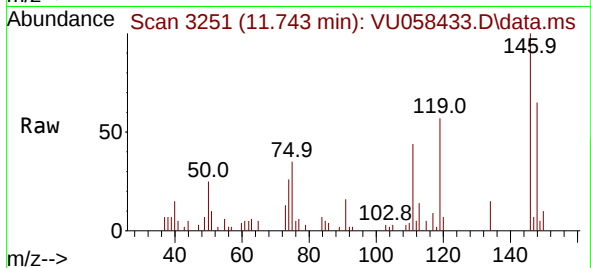
120 42.8 34.7 52.1



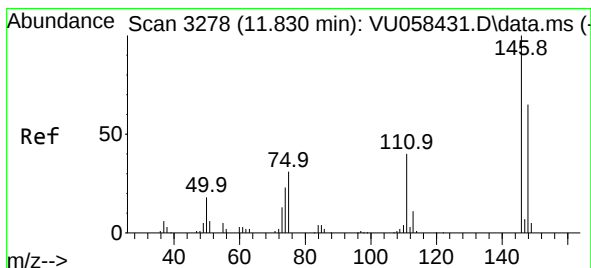
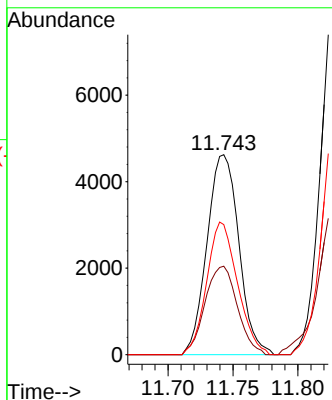
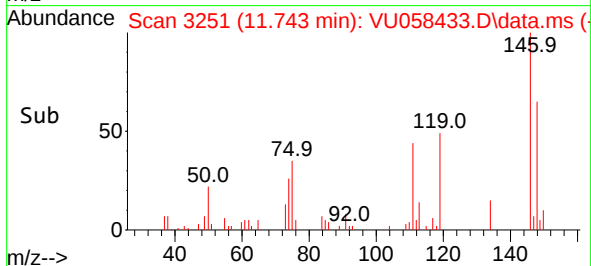


#64
1,3-Dichlorobenzene
Concen: 0.575 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU058433.D
Acq: 05 Apr 2024 21:03

Instrument :
MSVOA_U
ClientSampleId :
PMW-3(20240326)



Tgt Ion:146 Resp: 7890
Ion Ratio Lower Upper
146 100
111 44.3 28.8 53.4
148 65.1 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 1.145 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU058433.D
Acq: 05 Apr 2024 21:03

Tgt Ion:146 Resp: 15308
Ion Ratio Lower Upper
146 100
111 39.7 28.8 53.6
148 64.4 45.3 84.1

