

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040524\
 Data File : VU058424.D
 Acq On : 05 Apr 2024 17:09
 Operator : MD/SY
 Sample : P1925-18DL 2000X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-5(20240328)DL

Quant Time: Apr 05 23:37:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 05 23:33:02 2024
 Response via : Initial Calibration

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

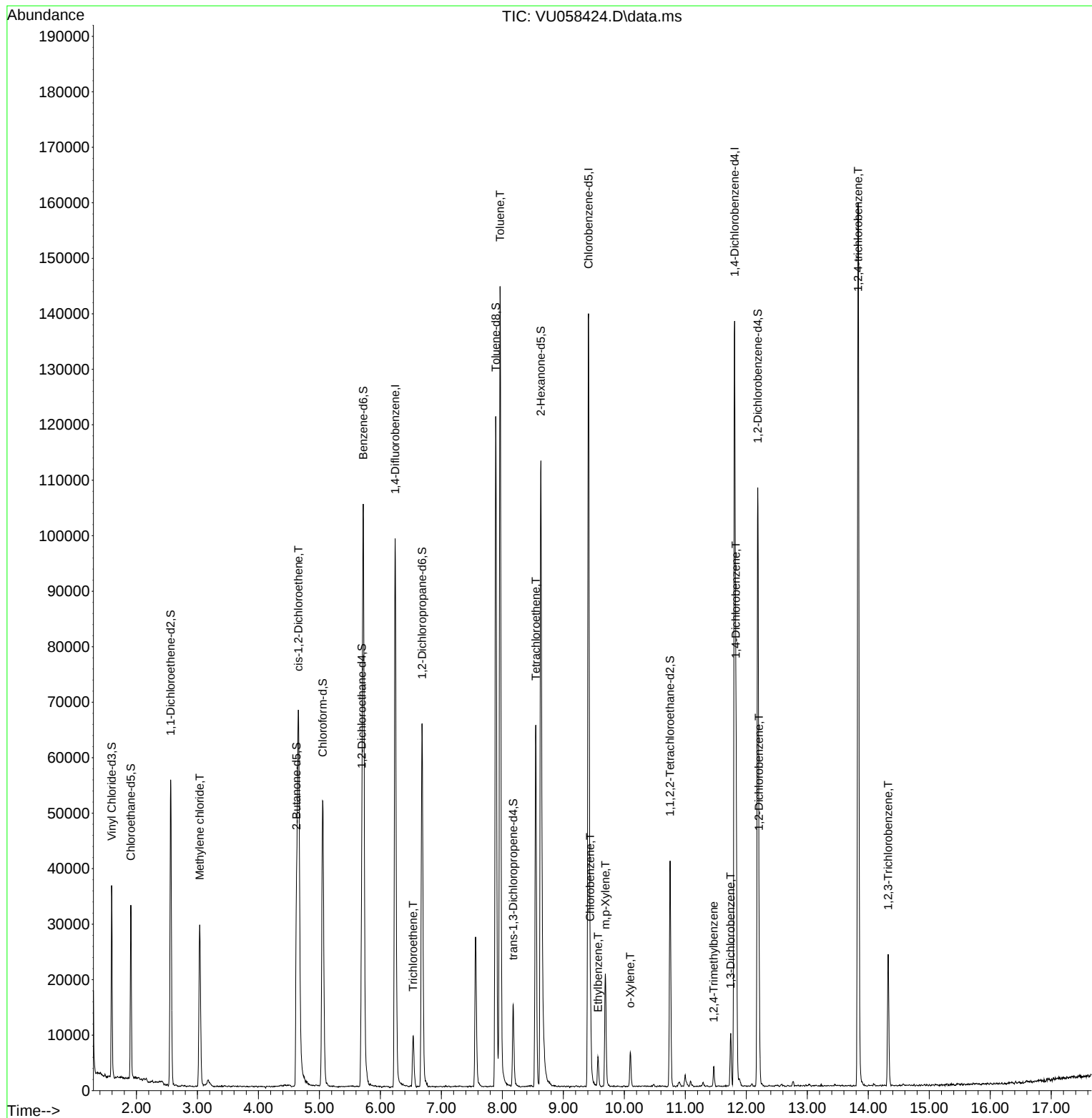
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	78195	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	75885	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	34024	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	23115	4.465	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.200%
7) Chloroethane-d5	1.908	69	21455	4.769	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.400%
11) 1,1-Dichloroethene-d2	2.560	65	10531	4.494	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.800%
20) 2-Butanone-d5	4.624	46	57240	52.466	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.940%
24) Chloroform-d	5.055	84	50162	4.854	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	5.695	65	25379	5.262	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.200%
32) Benzene-d6	5.718	84	97204	4.758	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	6.682	67	31328	4.890	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.800%
41) Toluene-d8	7.891	98	81595	4.504	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	8.177	79	9272	4.662	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.200%
46) 2-Hexanone-d5	8.631	63	39530	48.190	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.380%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	20642	4.564	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	27285	4.761	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						Qvalue
16) Methylene chloride	3.036	84	13067	1.777	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	29022	4.450	ug/L	97
34) Trichloroethene	6.538	95	3195	0.461	ug/L	98
42) Toluene	7.962	91	106663	3.697	ug/L	98
47) Tetrachloroethene	8.547	164	13368	2.630	ug/L	99
51) Chlorobenzene	9.441	112	7132	0.409	ug/L	97
52) Ethylbenzene	9.566	91	4179	0.137	ug/L	99
53) m,p-Xylene	9.689	106	5967	0.545	ug/L	95
54) o-Xylene	10.097	106	1860	0.173	ug/L	91
63) 1,2,4-Trimethylbenzene	11.463	105	2343	0.113	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	4144	0.342	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	22120	1.876	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	5263	0.478	ug/L	96
70) 1,2,4-trichlorobenzene	13.833	180	47174	6.838	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	7844	1.377	ug/L	95

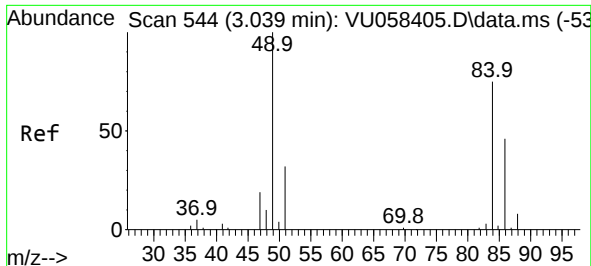
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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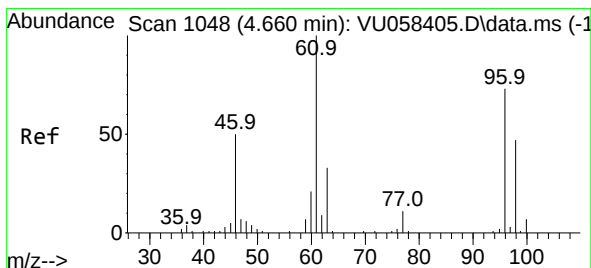
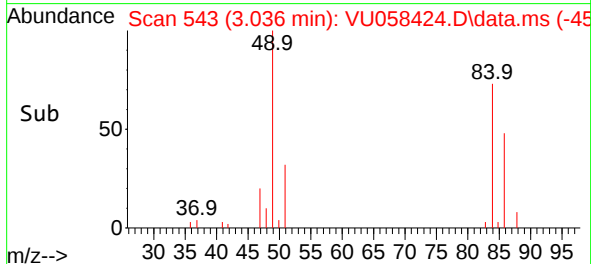
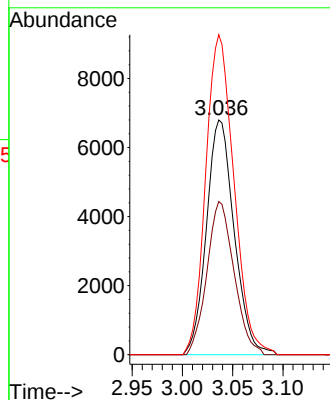
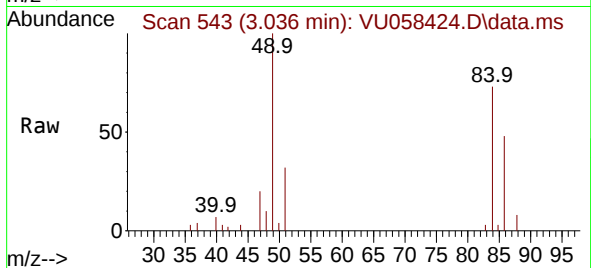




#16
Methylene chloride
Concen: 1.777 ug/L
RT: 3.036 min Scan# 54
Delta R.T. -0.003 min
Lab File: VU058424.D
Acq: 05 Apr 2024 17:09

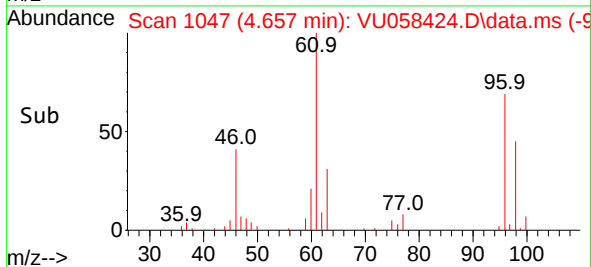
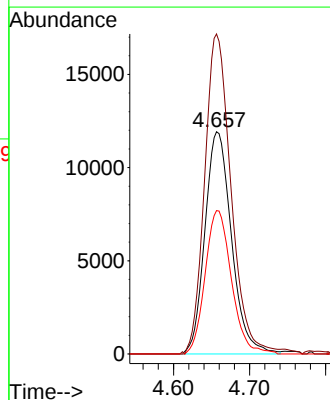
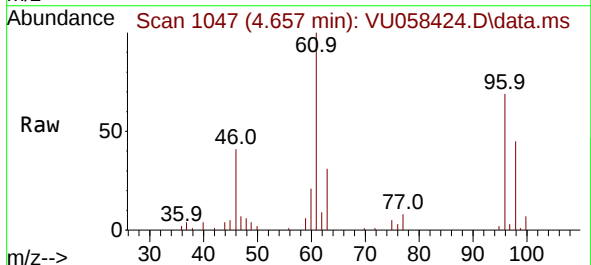
Instrument :
MSVOA_U
ClientSampleId :
PMW-5(20240328)DL

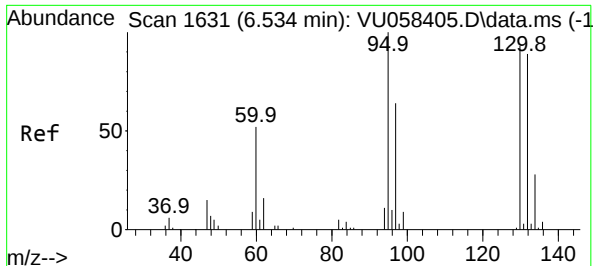
Tgt Ion: 84 Resp: 13067
Ion Ratio Lower Upper
84 100
86 65.3 44.3 82.3
49 136.3 96.0 178.2



#22
cis-1,2-Dichloroethene
Concen: 4.450 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU058424.D
Acq: 05 Apr 2024 17:09

Tgt Ion: 96 Resp: 29022
Ion Ratio Lower Upper
96 100
61 144.0 98.1 182.3
98 64.5 43.6 81.0





#34

Trichloroethene

Concen: 0.461 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU058424.D

Acq: 05 Apr 2024 17:09

Instrument :

MSVOA_U

ClientSampleId :

PMW-5(20240328)DL

Tgt Ion: 95 Resp: 3195

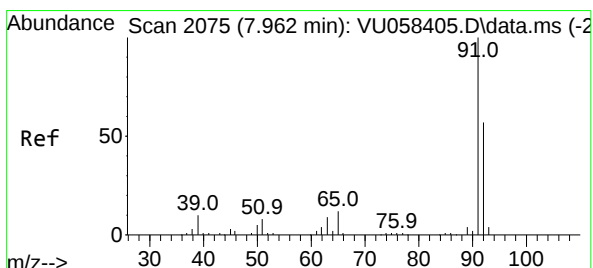
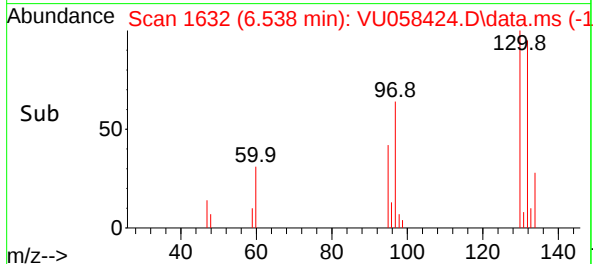
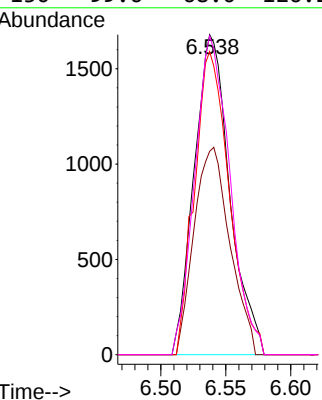
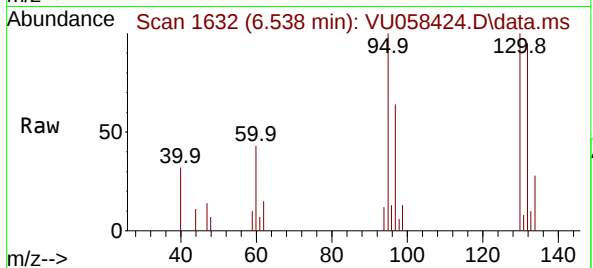
Ion Ratio Lower Upper

95 100

97 63.5 45.6 84.6

132 94.8 64.8 120.3

130 99.6 68.0 126.2



#42

Toluene

Concen: 3.697 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU058424.D

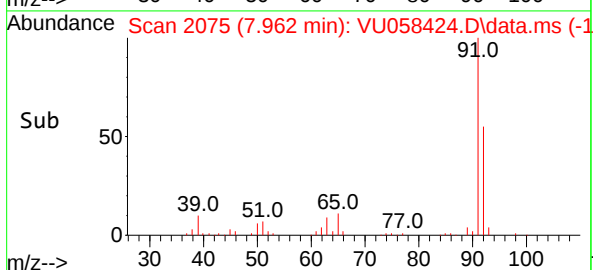
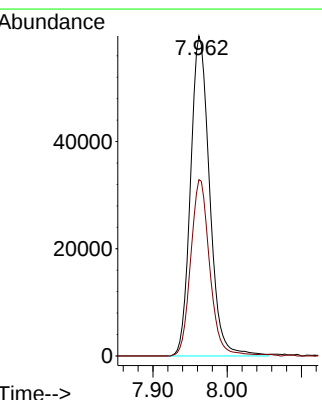
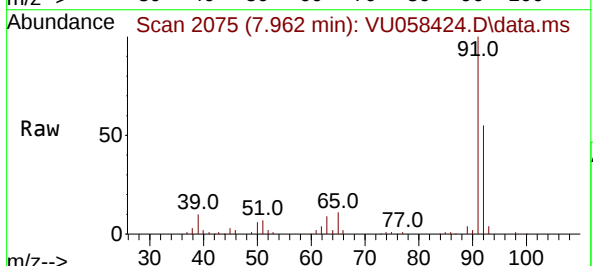
Acq: 05 Apr 2024 17:09

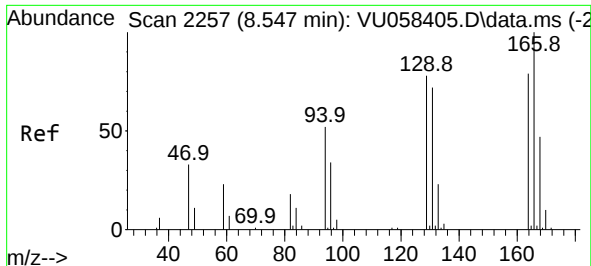
Tgt Ion: 91 Resp: 106663

Ion Ratio Lower Upper

91 100

92 55.1 39.5 73.3





#47

Tetrachloroethene

Concen: 2.630 ug/L

RT: 8.547 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU058424.D

Acq: 05 Apr 2024 17:09

Instrument :

MSVOA_U

ClientSampleId :

PMW-5(20240328)DL

Tgt Ion:164 Resp: 13368

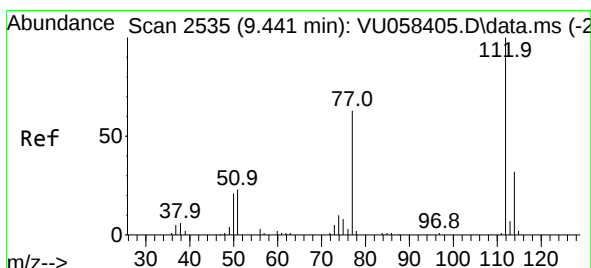
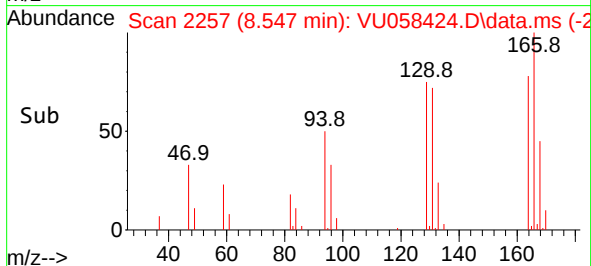
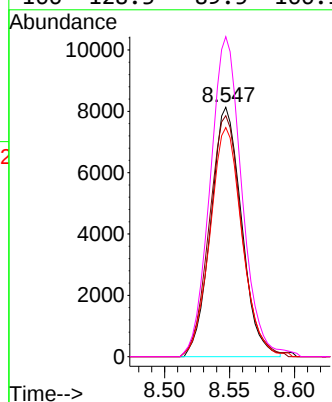
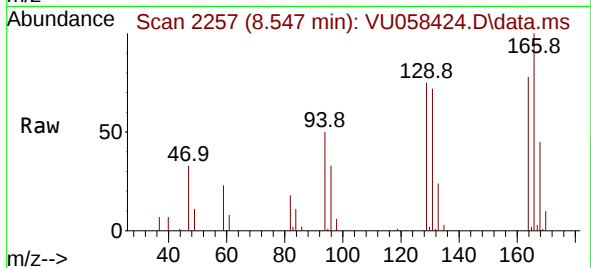
Ion Ratio Lower Upper

164 100

129 96.6 67.3 125.1

131 91.9 65.5 121.6

166 128.3 89.5 166.1



#51

Chlorobenzene

Concen: 0.409 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU058424.D

Acq: 05 Apr 2024 17:09

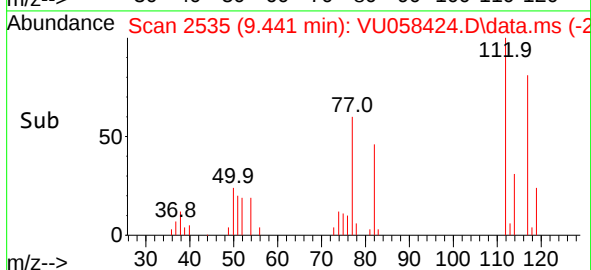
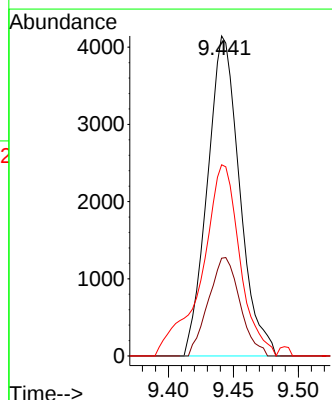
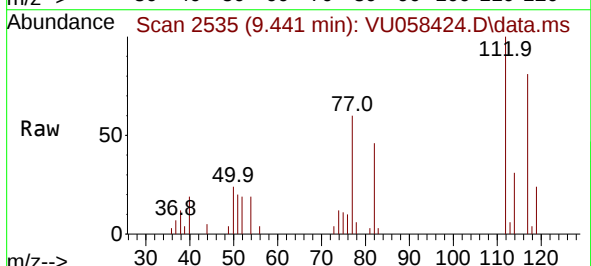
Tgt Ion:112 Resp: 7132

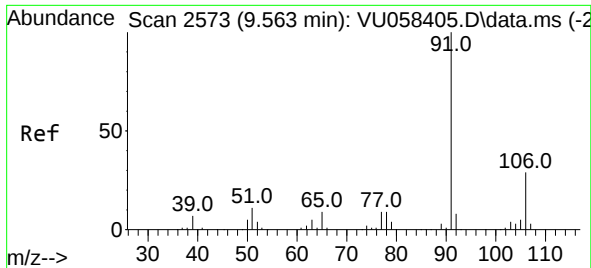
Ion Ratio Lower Upper

112 100

114 30.6 22.4 41.6

77 59.8 50.1 75.1

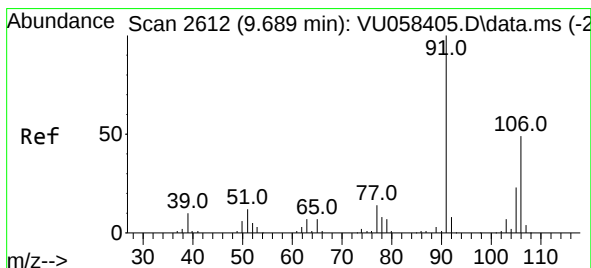
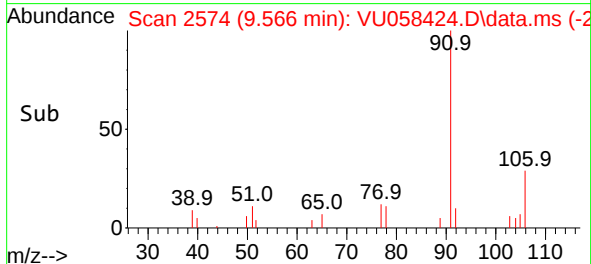
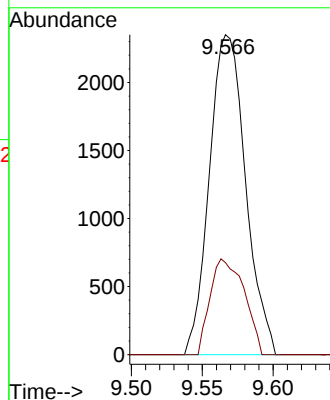
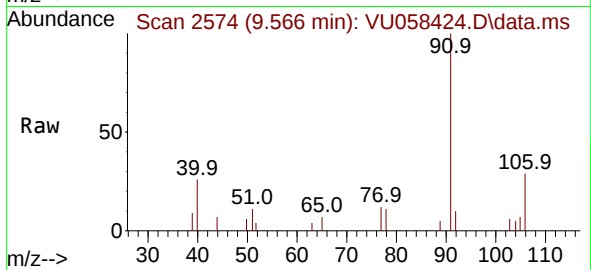




#52
Ethylbenzene
Concen: 0.137 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU058424.D
Acq: 05 Apr 2024 17:09

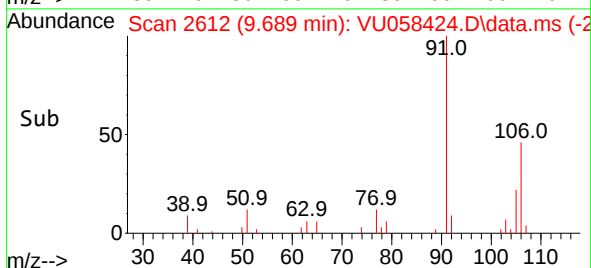
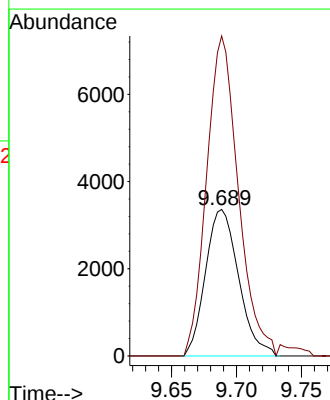
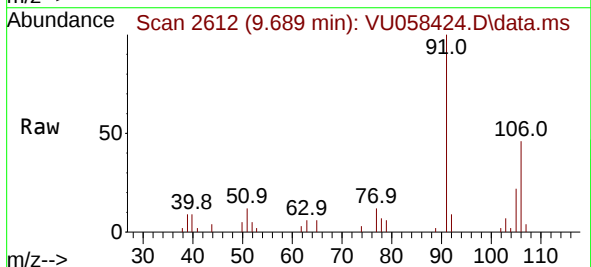
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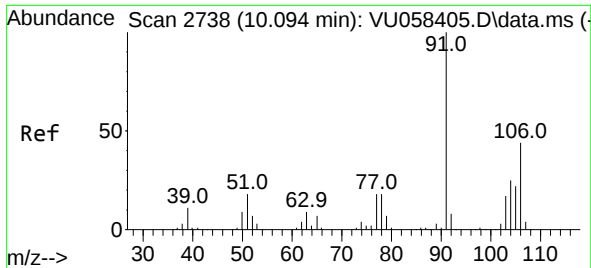
Tgt Ion: 91 Resp: 4179
Ion Ratio Lower Upper
91 100
106 28.8 20.6 38.4



#53
m,p-Xylene
Concen: 0.545 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU058424.D
Acq: 05 Apr 2024 17:09

Tgt Ion: 106 Resp: 5967
Ion Ratio Lower Upper
106 100
91 218.4 147.8 274.4

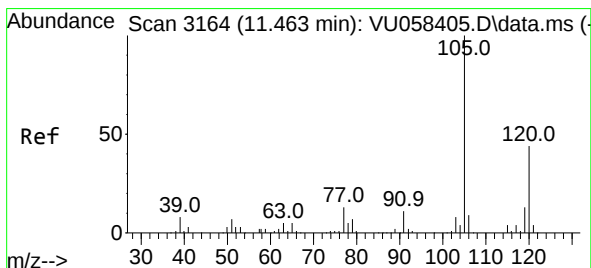
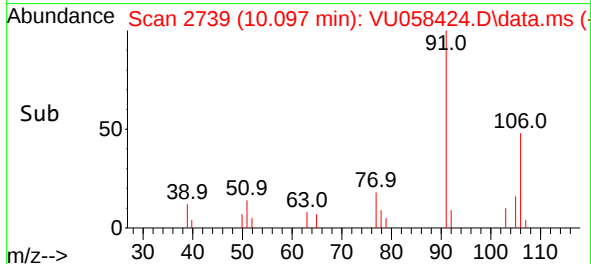
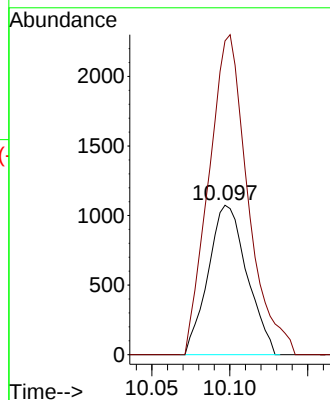
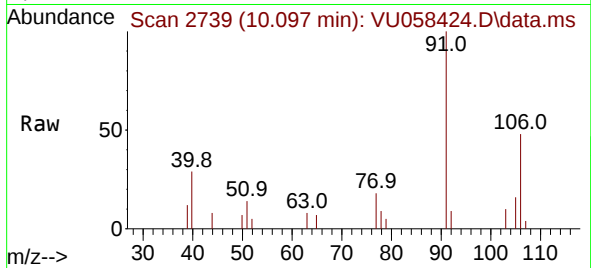




#54
o-Xylene
Concen: 0.173 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU058424.D
Acq: 05 Apr 2024 17:09

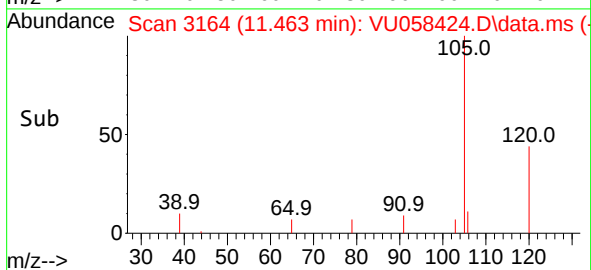
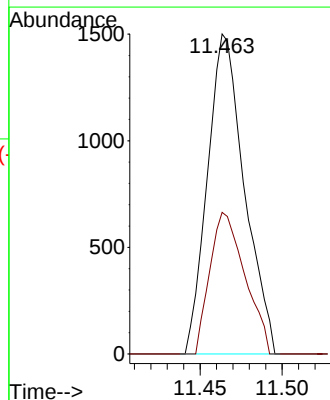
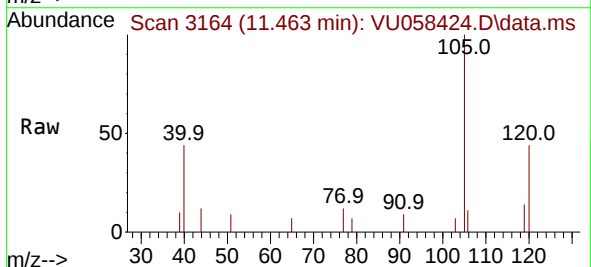
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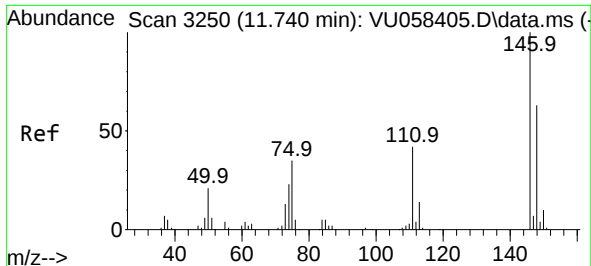
Tgt Ion:106 Resp: 1860
Ion Ratio Lower Upper
106 100
91 210.0 156.9 291.5



#63
1,2,4-Trimethylbenzene
Concen: 0.113 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU058424.D
Acq: 05 Apr 2024 17:09

Tgt Ion:105 Resp: 2343
Ion Ratio Lower Upper
105 100
120 42.1 34.7 52.1

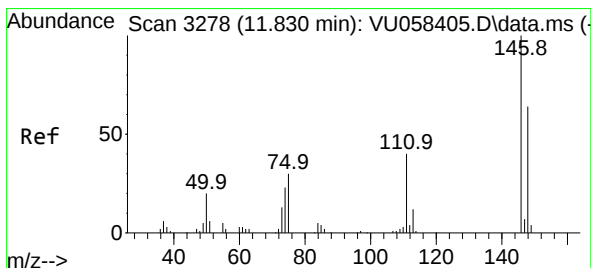
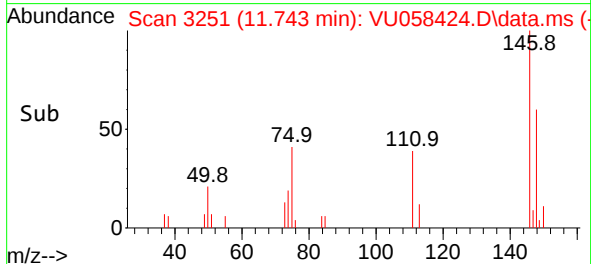
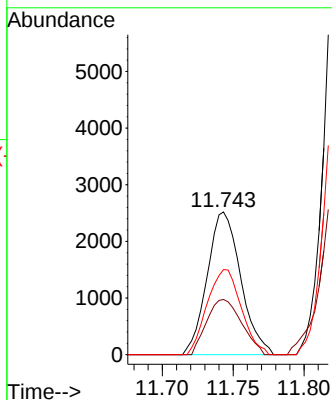
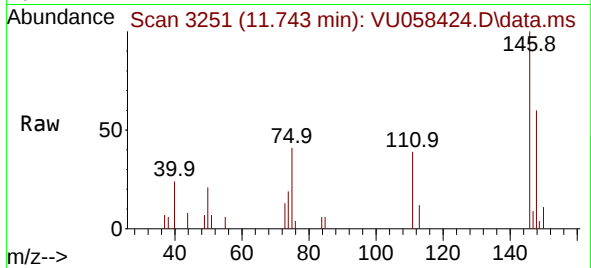




#64
1,3-Dichlorobenzene
Concen: 0.342 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU058424.D
Acq: 05 Apr 2024 17:09

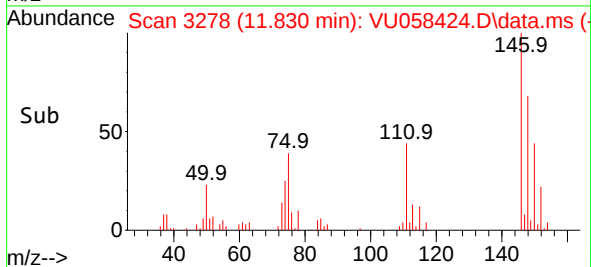
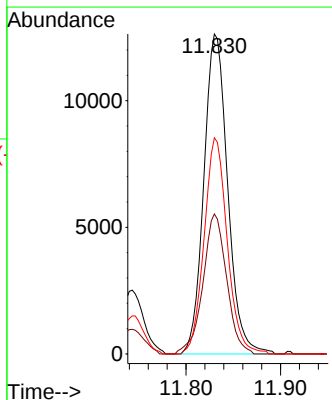
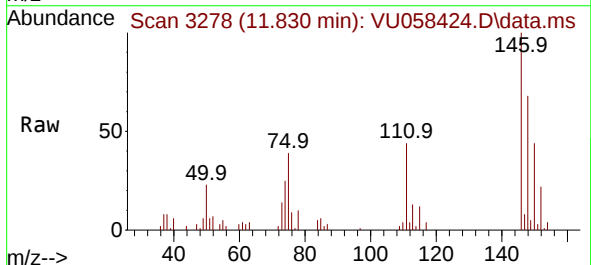
Instrument :
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PMW-5(20240328)DL

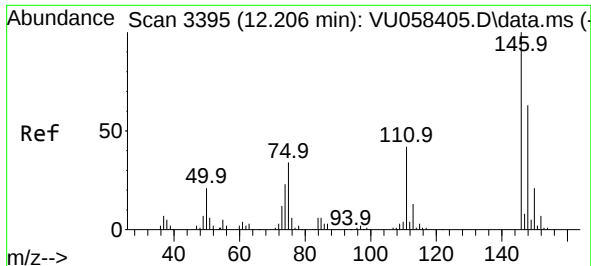
Tgt Ion:146 Resp: 4144
Ion Ratio Lower Upper
146 100
111 38.6 28.8 53.4
148 64.0 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 1.876 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU058424.D
Acq: 05 Apr 2024 17:09

Tgt Ion:146 Resp: 22120
Ion Ratio Lower Upper
146 100
111 43.8 28.8 53.6
148 67.5 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 0.478 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU058424.D

Acq: 05 Apr 2024 17:09

Instrument :

MSVOA_U

ClientSampleId :

PMW-5(20240328)DL

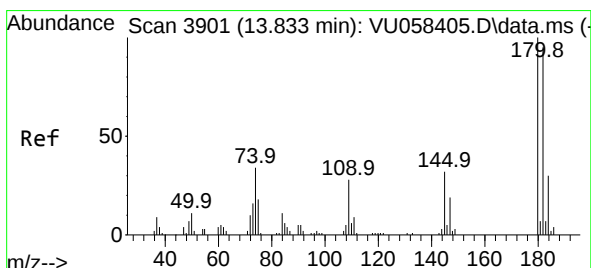
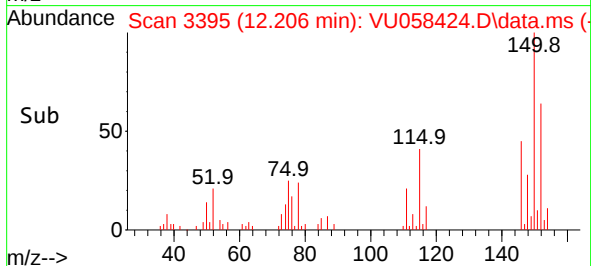
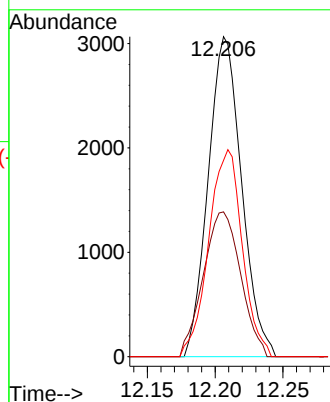
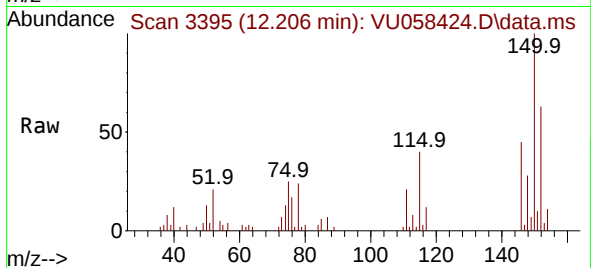
Tgt Ion:146 Resp: 5263

Ion Ratio Lower Upper

146 100

111 45.3 35.0 52.4

148 61.4 52.5 78.7



#70

1,2,4-trichlorobenzene

Concen: 6.838 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU058424.D

Acq: 05 Apr 2024 17:09

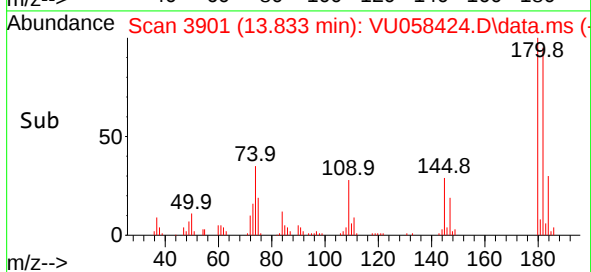
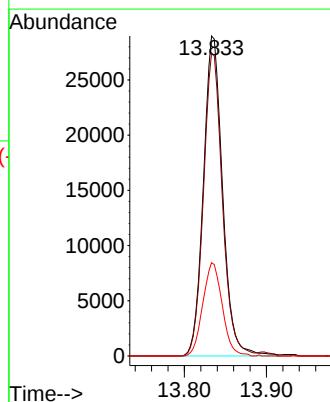
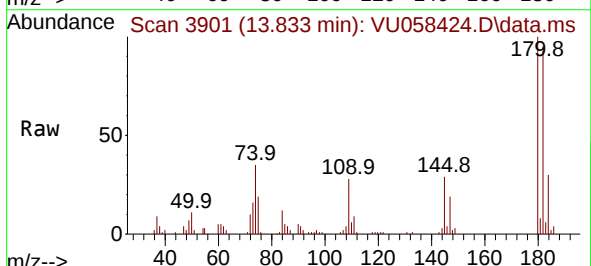
Tgt Ion:180 Resp: 47174

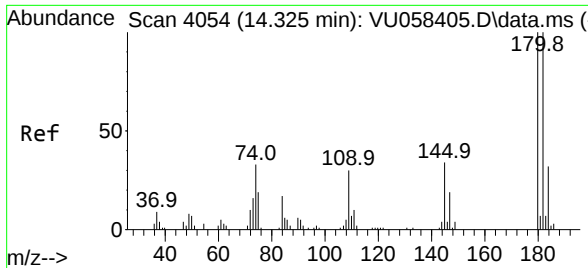
Ion Ratio Lower Upper

180 100

182 93.4 74.4 111.6

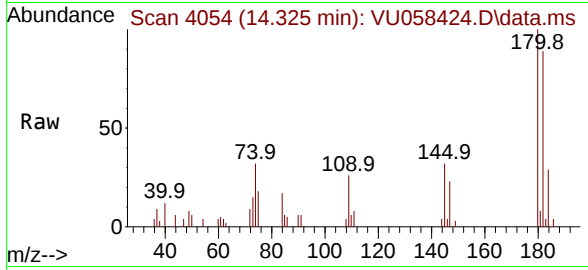
145 29.4 24.1 36.1





#72
 1,2,3-Trichlorobenzene
 Concen: 1.377 ug/L
 RT: 14.325 min Scan# 4054
 Delta R.T. 0.000 min
 Lab File: VU058424.D
 Acq: 05 Apr 2024 17:09

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-5(20240328)DL



Tgt Ion:	180	Resp:	7844
Ion	Ratio	Lower	Upper
180	100		
182	88.6	75.9	113.9
145	32.7	25.2	37.8

