

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040324\
 Data File : VW034958.D
 Acq On : 03 Apr 2024 15:51
 Operator : SY/MD
 Sample : P1925-18 200X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-5(20240328)

Quant Time: Apr 04 02:54:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 04 02:49:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	184593	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	188521	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.184	152	97211	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	66434	4.367	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.400%
7) Chloroethane-d5	1.532	69	59529	4.746	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.000%
11) 1,1-Dichloroethene-d2	2.059	65	30847	4.464	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.200%
20) 2-Butanone-d5	3.805	46	94192	39.572	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.140%
24) Chloroform-d	4.249	84	122581	4.980	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
26) 1,2-Dichloroethane-d4	4.944	65	60900	5.478	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.600%
32) Benzene-d6	4.960	84	245384	4.976	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
36) 1,2-Dichloropropane-d6	5.989	67	77463	5.352	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.000%
41) Toluene-d8	7.243	98	207994	4.643	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	7.561	79	25123	4.886	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.800%
46) 2-Hexanone-d5	8.027	63	100530	56.968	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.940%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	55357	5.481	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.600%
66) 1,2-Dichlorobenzene-d4	11.561	152	79500	5.192	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.281	62	8011	0.435	ug/L #	76
16) Methylene chloride	2.449	84	2843	0.185	ug/L	91
22) cis-1,2-Dichloroethene	3.812	96	610529	41.967	ug/L	97
33) Benzene	5.018	78	19531	0.338	ug/L	100
34) Trichloroethene	5.834	95	58170	3.868	ug/L	98
35) Methylcyclohexane	6.046	83	4147	0.181	ug/L	93
42) Toluene	7.313	91	2130443	35.116	ug/L	97
47) Tetrachloroethene	7.902	164	265845	23.530	ug/L	98
51) Chlorobenzene	8.815	112	139808	3.567	ug/L	99
52) Ethylbenzene	8.947	91	80114	1.223	ug/L	98
53) m,p-Xylene	9.069	106	126516	5.258	ug/L	98
54) o-Xylene	9.480	106	39428	1.670	ug/L	95
60) Isopropylbenzene	9.869	105	10552	0.174	ug/L #	84
62) 1,3,5-Trimethylbenzene	10.477	105	18900	0.379	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	51492	1.017	ug/L	96
64) 1,3-Dichlorobenzene	11.117	146	76444	2.465	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	426718	13.740	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	119923	4.186	ug/L	97
70) 1,2,4-trichlorobenzene	13.197	180	1714063	94.773	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Apr 04 02:49:59 2024
Response via : Initial Calibration

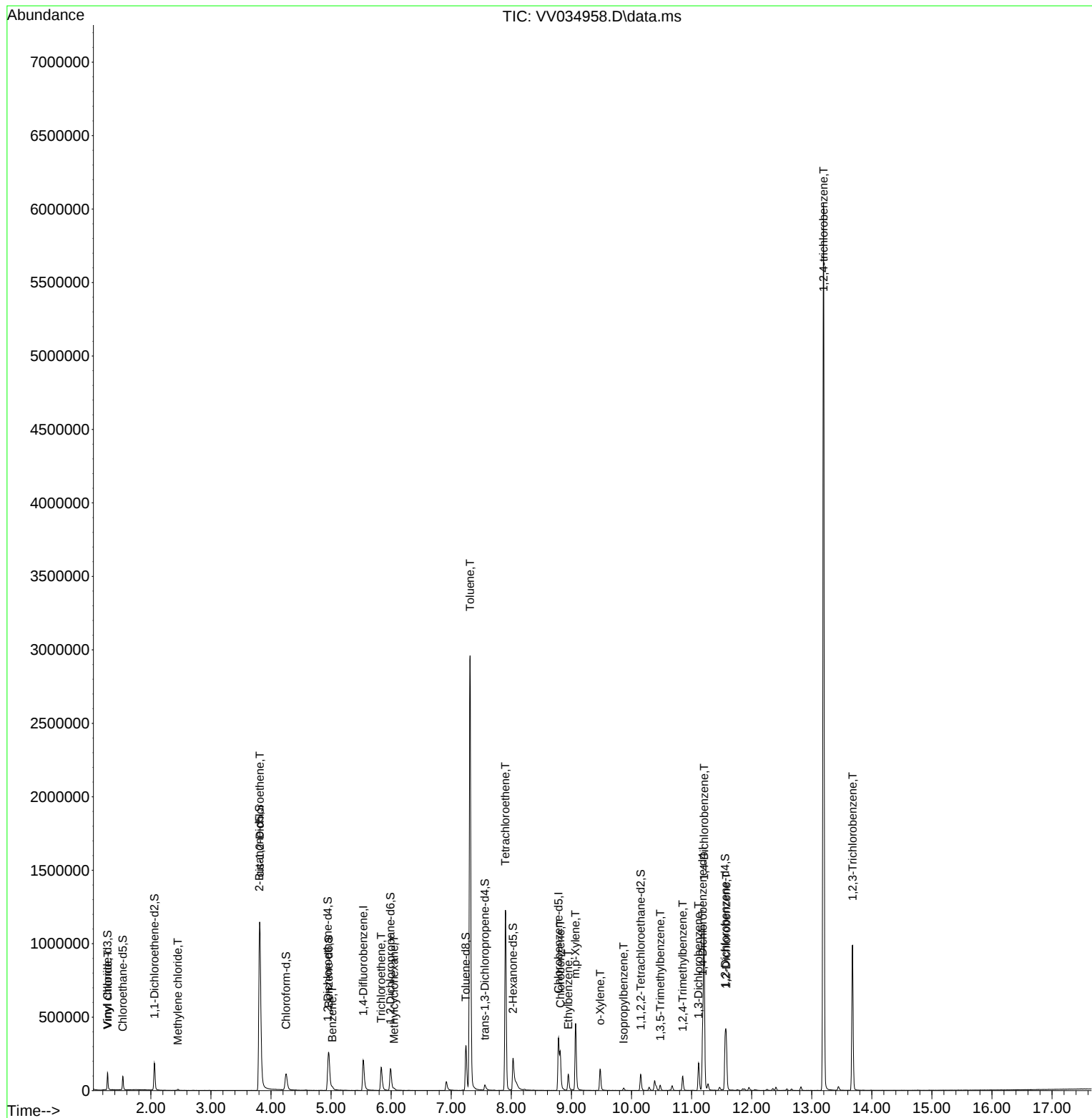
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	13.680	180	293306	18.440	ug/L	99

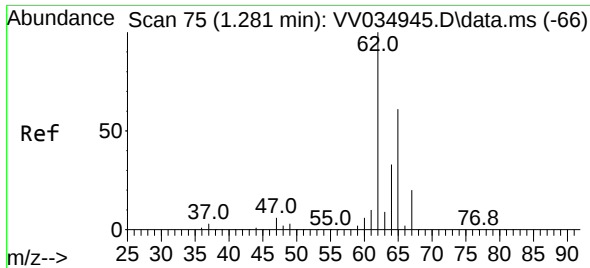
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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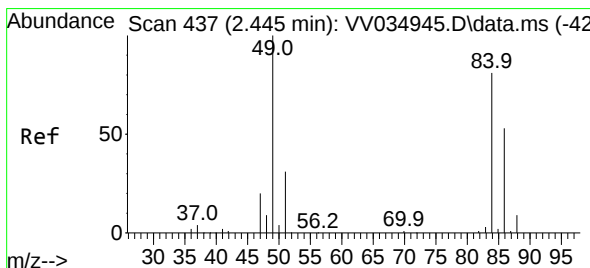
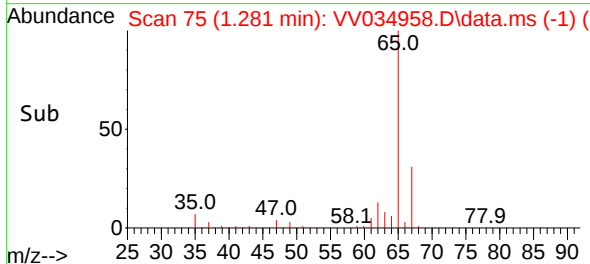
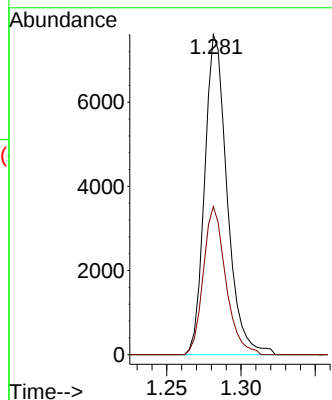
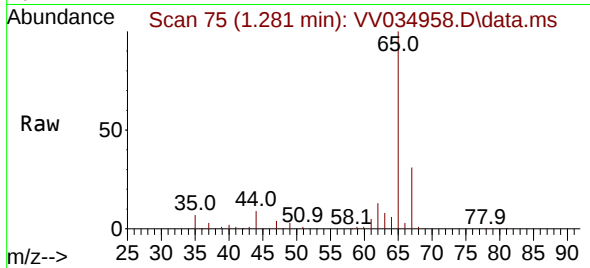




#5
 Vinyl chloride
 Concen: 0.435 ug/L
 RT: 1.281 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV034958.D
 Acq: 03 Apr 2024 15:51

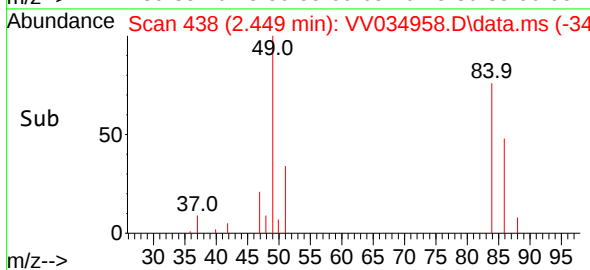
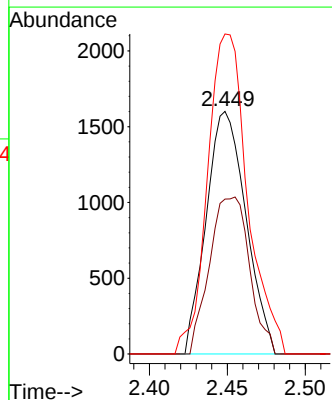
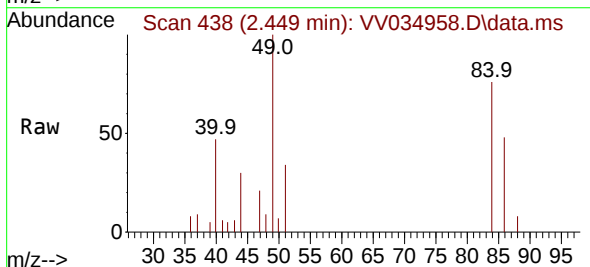
Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-5(20240328)

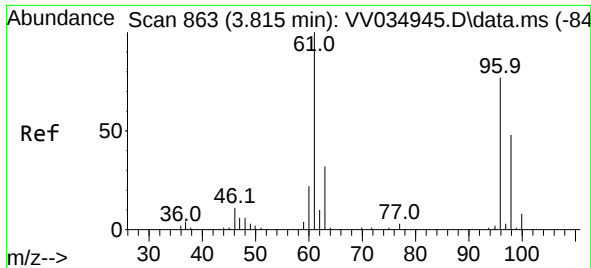
Tgt Ion: 62 Resp: 8011
 Ion Ratio Lower Upper
 62 100
 64 46.3 22.9 42.5#



#16
 Methylene chloride
 Concen: 0.185 ug/L
 RT: 2.449 min Scan# 438
 Delta R.T. 0.003 min
 Lab File: VV034958.D
 Acq: 03 Apr 2024 15:51

Tgt Ion: 84 Resp: 2843
 Ion Ratio Lower Upper
 84 100
 86 63.8 43.5 80.9
 49 131.9 82.5 153.3



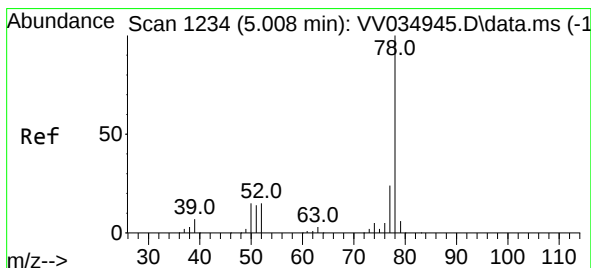
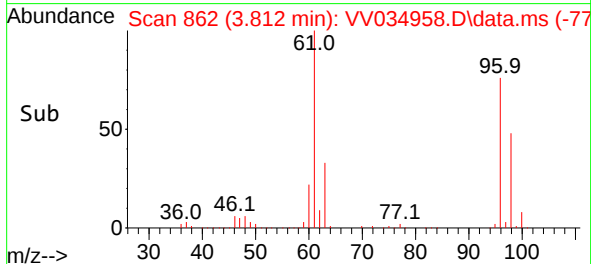
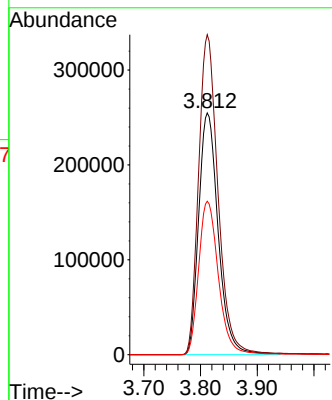
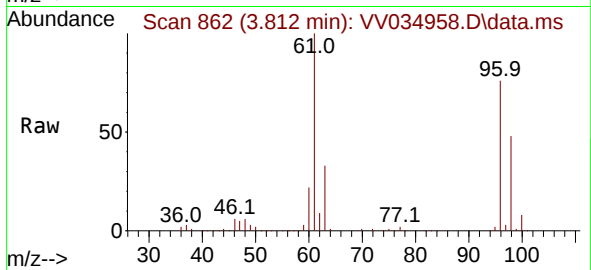


#22
 cis-1,2-Dichloroethene
 Concen: 41.967 ug/L
 RT: 3.812 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VV034958.D
 Acq: 03 Apr 2024 15:51

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-5(20240328)

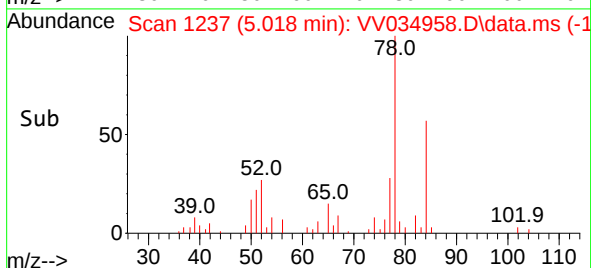
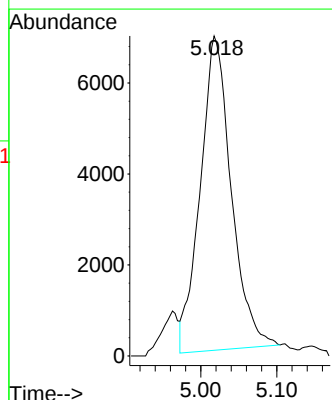
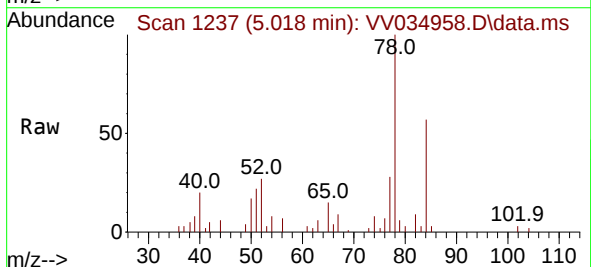
Tgt Ion: 96 Resp: 610529

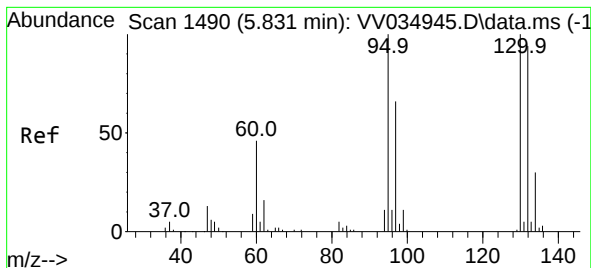
Ion	Ratio	Lower	Upper
96	100		
61	132.3	90.3	167.7
98	63.5	42.7	79.3



#33
 Benzene
 Concen: 0.338 ug/L
 RT: 5.018 min Scan# 1237
 Delta R.T. 0.010 min
 Lab File: VV034958.D
 Acq: 03 Apr 2024 15:51

Tgt Ion: 78 Resp: 19531





#34

Trichloroethene

Concen: 3.868 ug/L

RT: 5.834 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV034958.D

Acq: 03 Apr 2024 15:51

Instrument :

MSVOA_V

ClientSampleId :

PMW-5(20240328)

Tgt Ion: 95 Resp: 58170

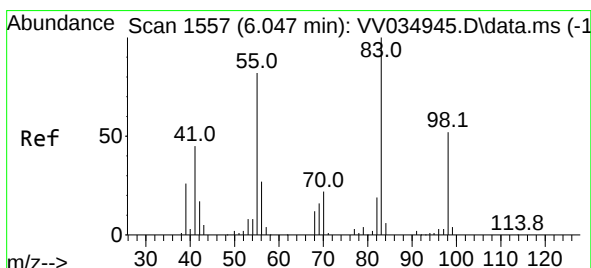
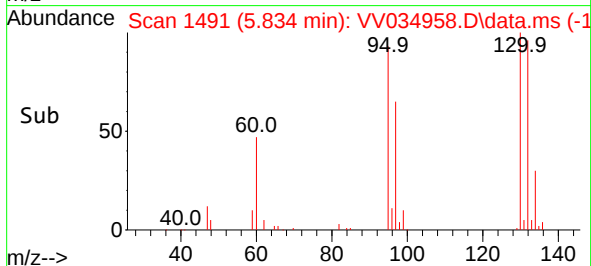
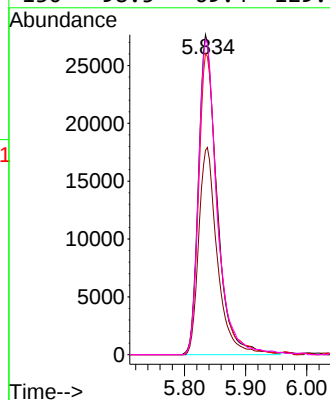
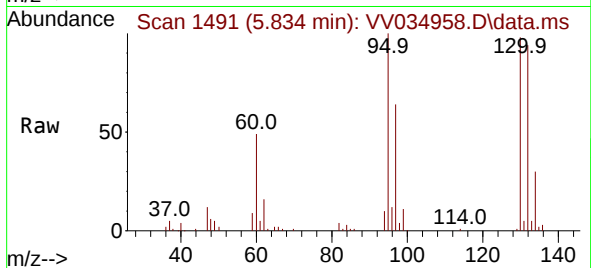
Ion Ratio Lower Upper

95 100

97 63.9 46.8 86.8

132 94.1 68.0 126.4

130 98.5 69.4 129.0



#35

Methylcyclohexane

Concen: 0.181 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV034958.D

Acq: 03 Apr 2024 15:51

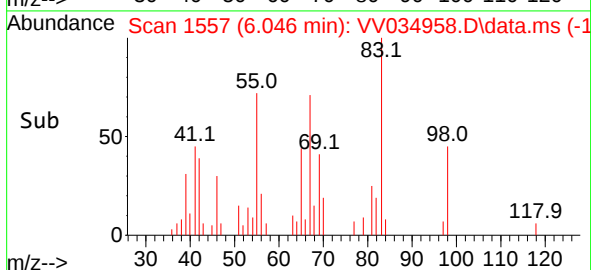
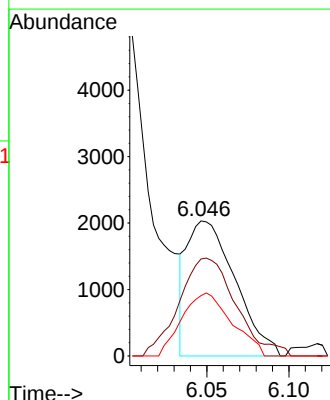
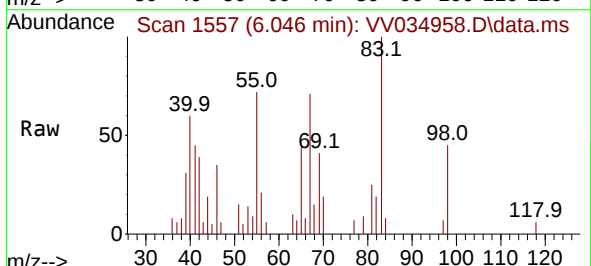
Tgt Ion: 83 Resp: 4147

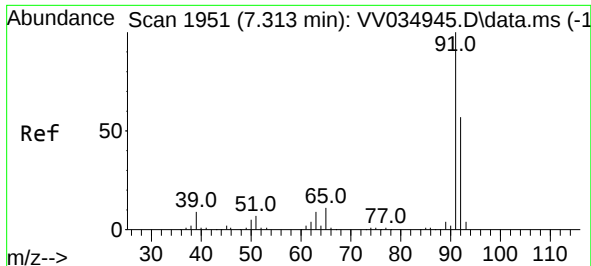
Ion Ratio Lower Upper

83 100

55 85.4 60.6 91.0

98 48.2 37.8 56.6

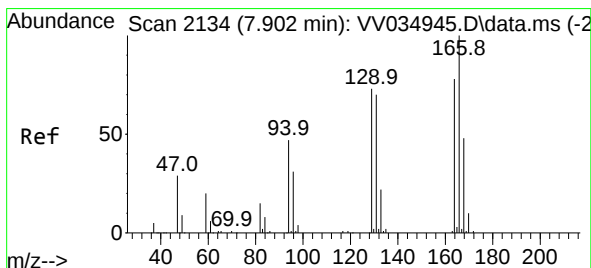
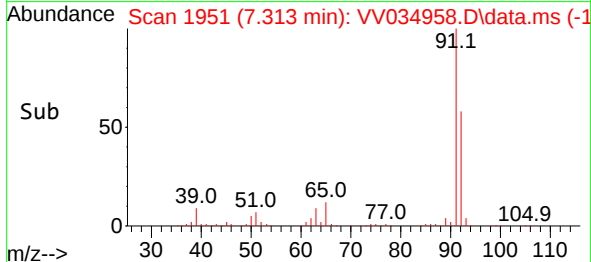
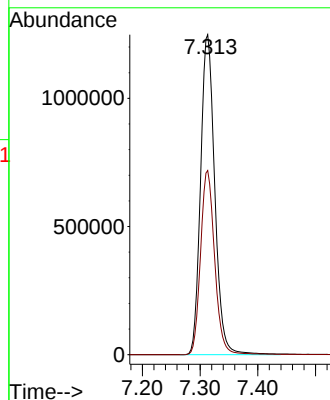
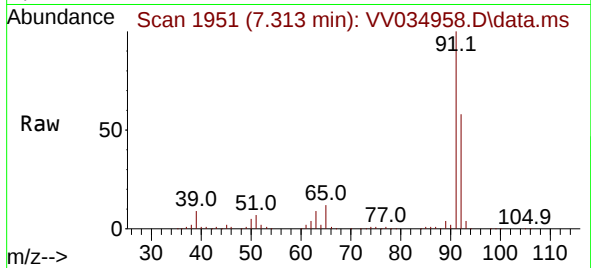




#42
Toluene
Concen: 35.116 ug/L
RT: 7.313 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VV034958.D
Acq: 03 Apr 2024 15:51

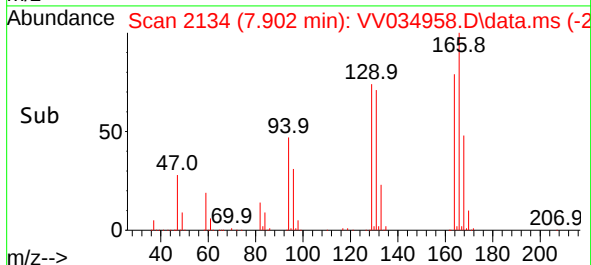
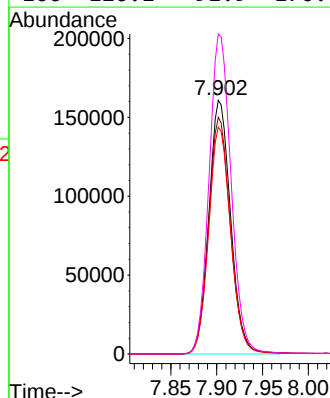
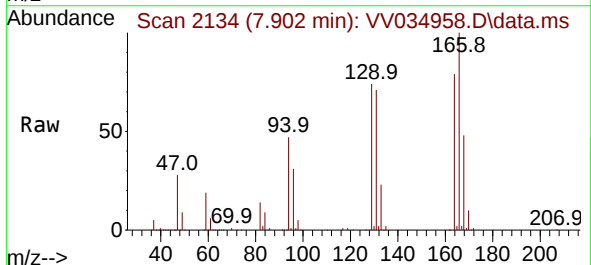
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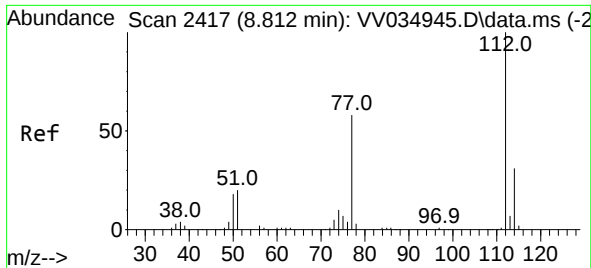
Tgt Ion: 91 Resp: 2130443
Ion Ratio Lower Upper
91 100
92 57.5 38.9 72.2



#47
Tetrachloroethene
Concen: 23.530 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.000 min
Lab File: VV034958.D
Acq: 03 Apr 2024 15:51

Tgt Ion:164 Resp: 265845
Ion Ratio Lower Upper
164 100
129 93.3 66.0 122.6
131 89.4 63.0 117.0
166 126.1 91.9 170.7

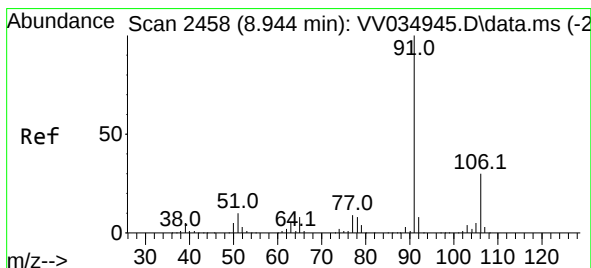
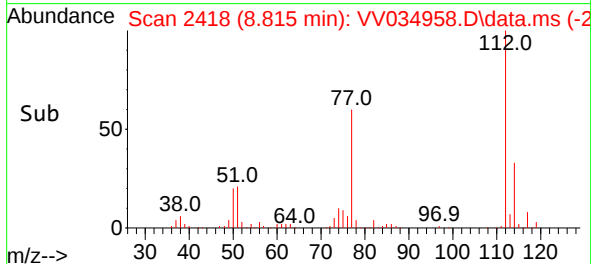
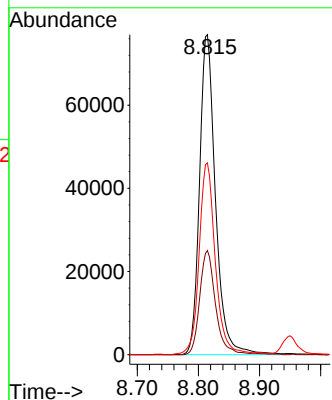
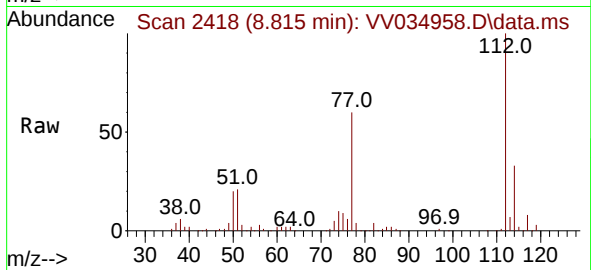




#51
Chlorobenzene
Concen: 3.567 ug/L
RT: 8.815 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV034958.D
Acq: 03 Apr 2024 15:51

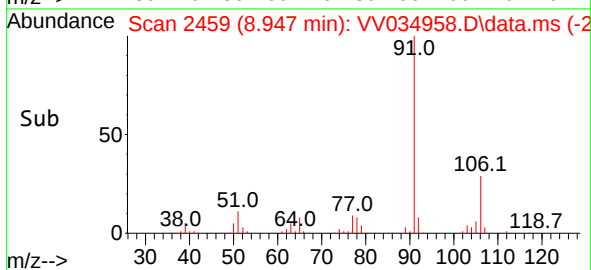
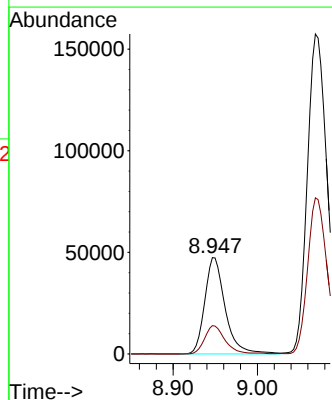
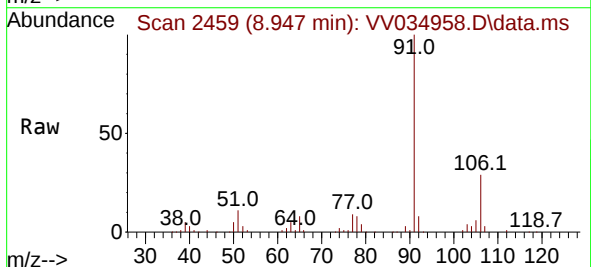
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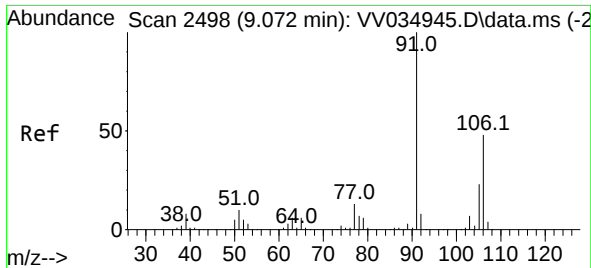
Tgt Ion:112 Resp: 139808
Ion Ratio Lower Upper
112 100
114 32.5 21.9 40.7
77 60.0 47.4 71.2



#52
Ethylbenzene
Concen: 1.223 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV034958.D
Acq: 03 Apr 2024 15:51

Tgt Ion: 91 Resp: 80114
Ion Ratio Lower Upper
91 100
106 29.3 21.2 39.4

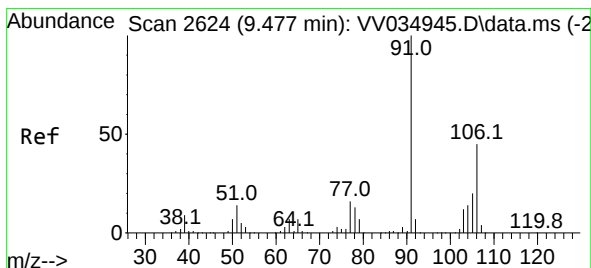
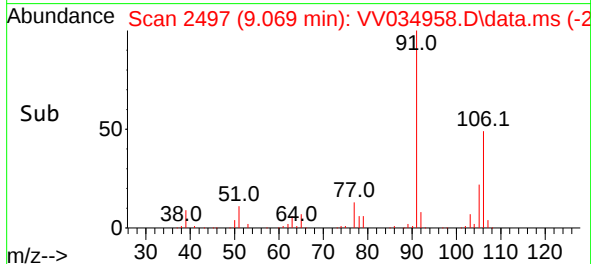
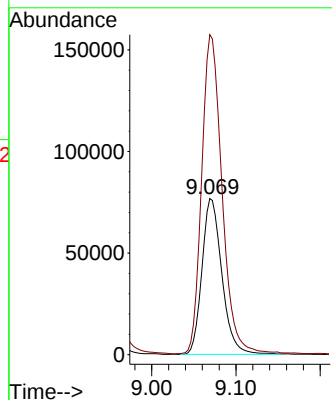
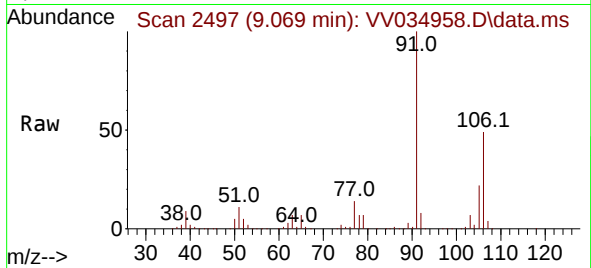




#53
m,p-Xylene
Concen: 5.258 ug/L
RT: 9.069 min Scan# 2498
Delta R.T. -0.003 min
Lab File: VV034958.D
Acq: 03 Apr 2024 15:51

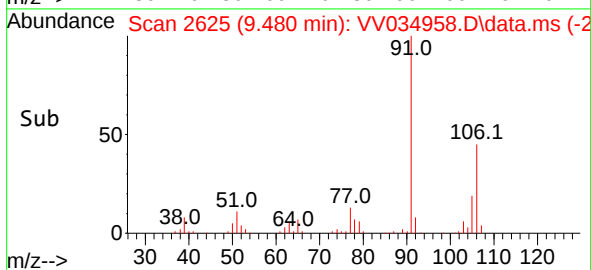
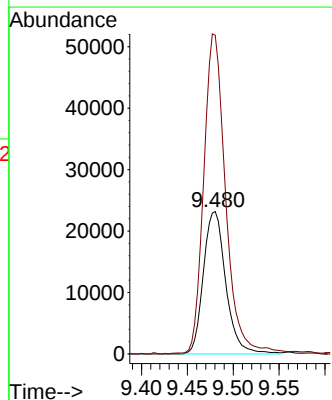
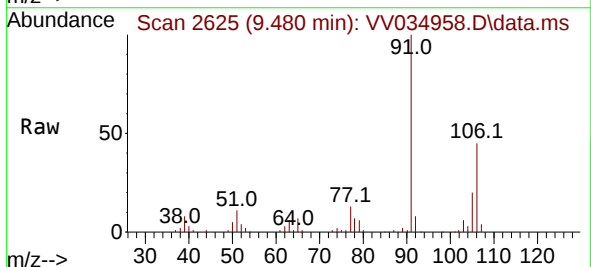
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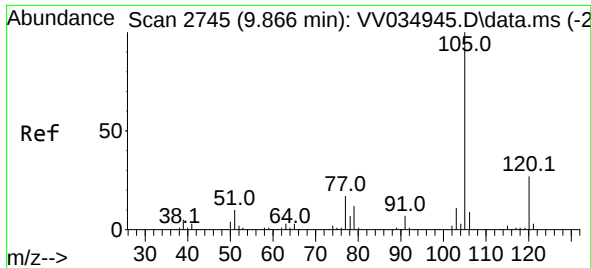
Tgt Ion:106 Resp: 126516
Ion Ratio Lower Upper
106 100
91 205.0 145.7 270.7



#54
o-Xylene
Concen: 1.670 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.003 min
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Acq: 03 Apr 2024 15:51

Tgt Ion:106 Resp: 39428
Ion Ratio Lower Upper
106 100
91 223.9 151.2 280.8

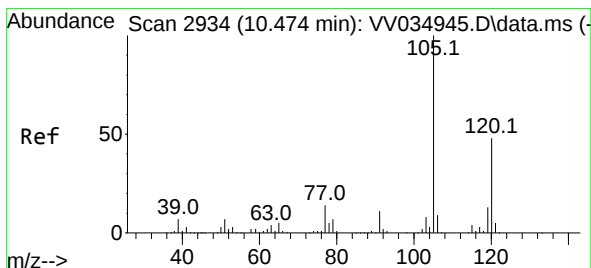
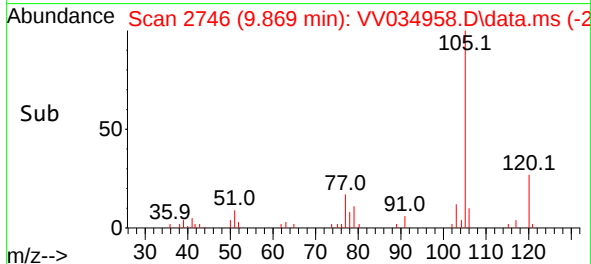
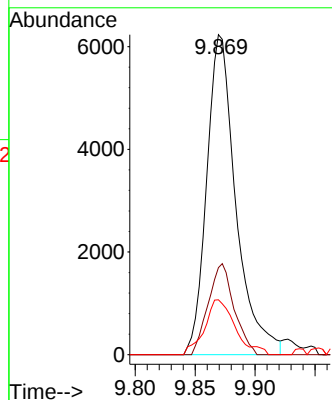
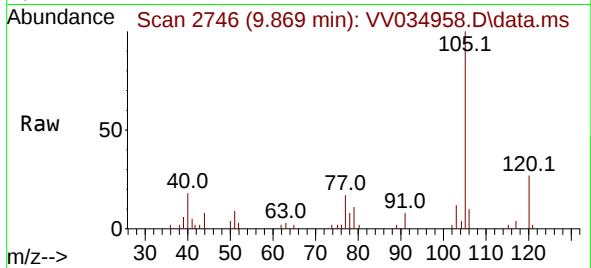




#60
Isopropylbenzene
Concen: 0.174 ug/L
RT: 9.869 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV034958.D
Acq: 03 Apr 2024 15:51

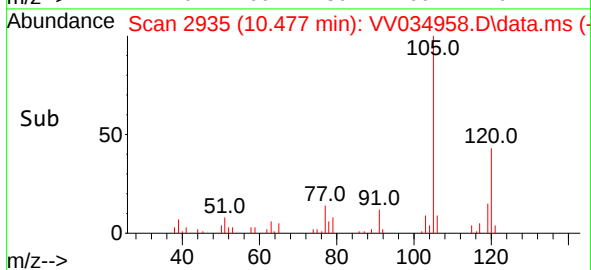
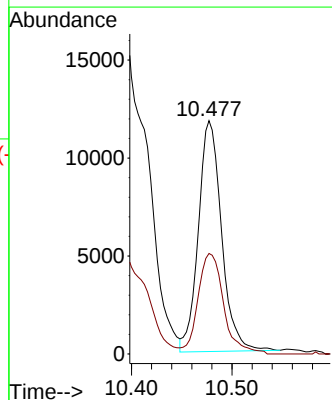
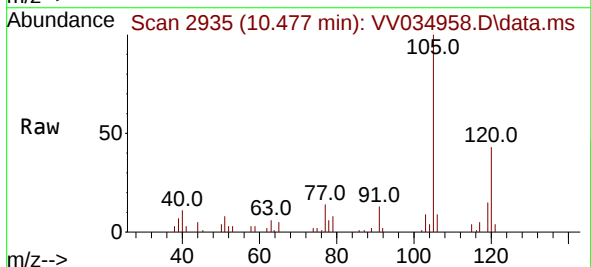
Instrument :
MSVOA_V
ClientSampleId :
PMW-5(20240328)

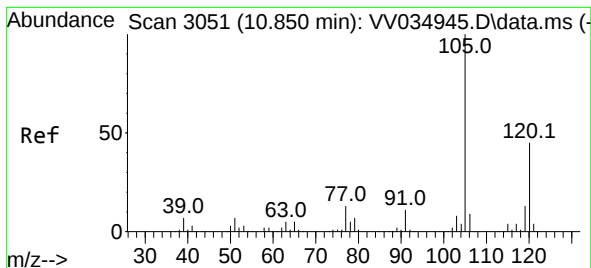
Tgt Ion:105 Resp: 10552
Ion Ratio Lower Upper
105 100
120 25.2 21.0 31.4
77 0.0 13.4 20.2#



#62
1,3,5-Trimethylbenzene
Concen: 0.379 ug/L
RT: 10.477 min Scan# 2935
Delta R.T. 0.003 min
Lab File: VV034958.D
Acq: 03 Apr 2024 15:51

Tgt Ion:105 Resp: 18900
Ion Ratio Lower Upper
105 100
120 48.0 39.2 58.8





#63

1,2,4-Trimethylbenzene

Concen: 1.017 ug/L

RT: 10.853 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV034958.D

Acq: 03 Apr 2024 15:51

Instrument :

MSVOA_V

ClientSampleId :

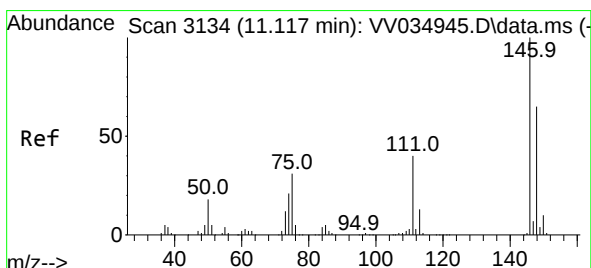
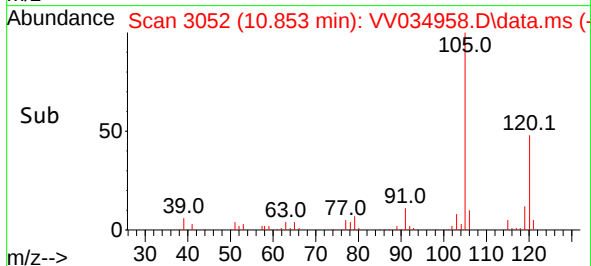
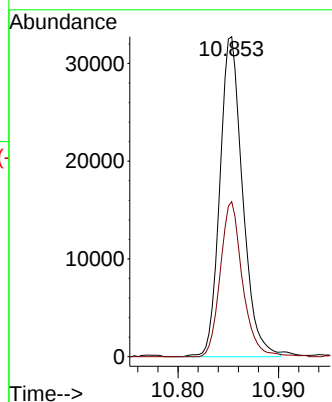
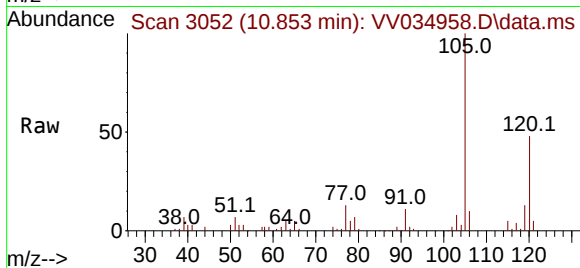
PMW-5(20240328)

Tgt Ion:105 Resp: 51492

Ion Ratio Lower Upper

105 100

120 47.3 35.8 53.8



#64

1,3-Dichlorobenzene

Concen: 2.465 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. -0.000 min

Lab File: VV034958.D

Acq: 03 Apr 2024 15:51

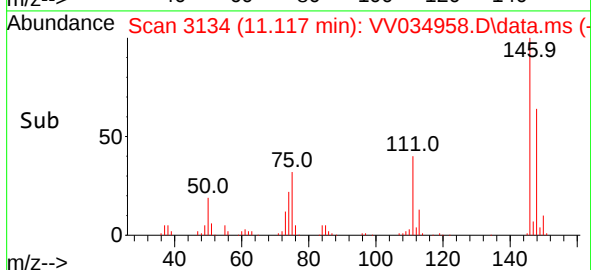
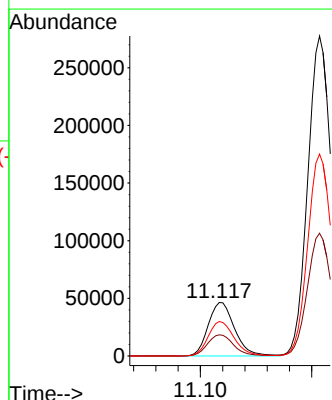
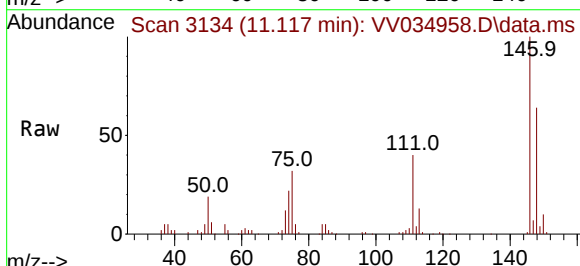
Tgt Ion:146 Resp: 76444

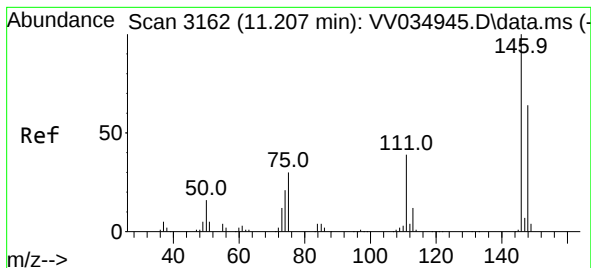
Ion Ratio Lower Upper

146 100

111 39.7 27.7 51.5

148 64.4 44.0 81.8





#65

1,4-Dichlorobenzene

Concen: 13.740 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VV034958.D

Acq: 03 Apr 2024 15:51

Instrument :

MSVOA_V

ClientSampleId :

PMW-5(20240328)

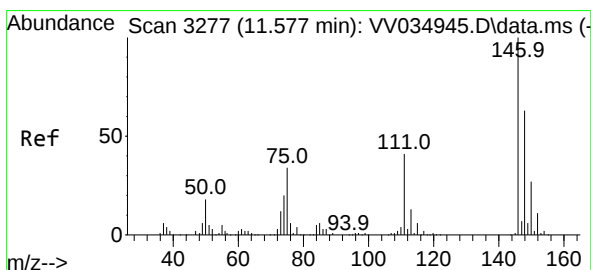
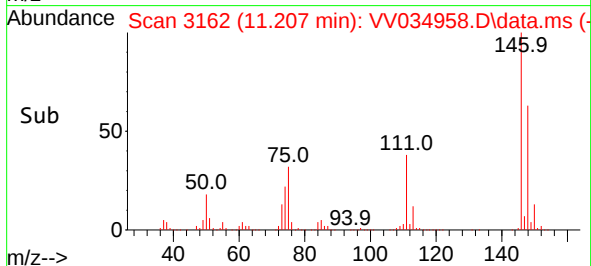
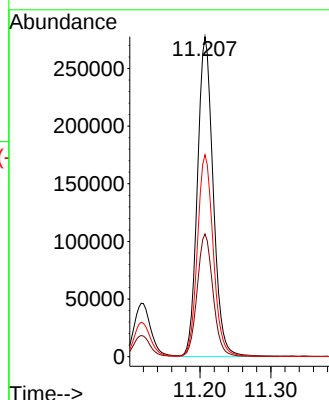
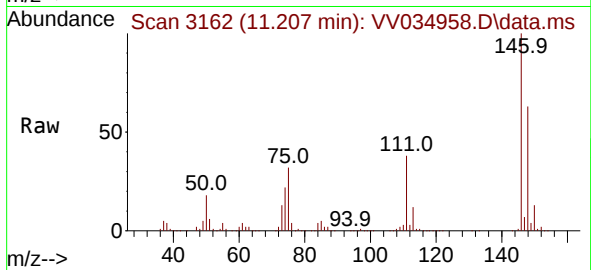
Tgt Ion:146 Resp: 426718

Ion Ratio Lower Upper

146 100

111 38.3 27.3 50.7

148 63.1 43.5 80.7



#67

1,2-Dichlorobenzene

Concen: 4.186 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VV034958.D

Acq: 03 Apr 2024 15:51

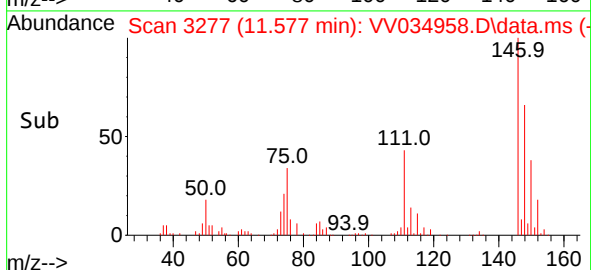
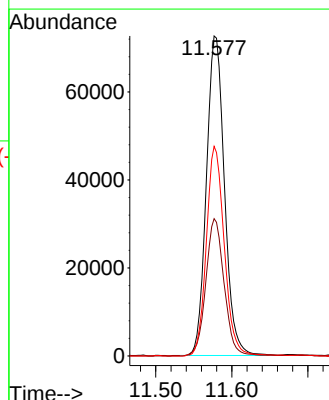
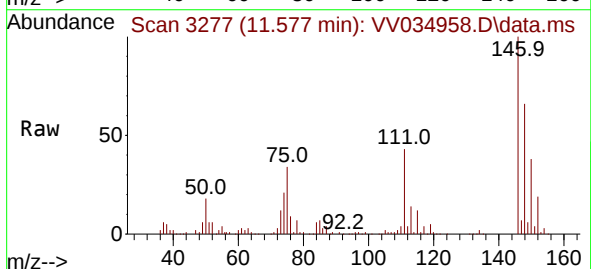
Tgt Ion:146 Resp: 119923

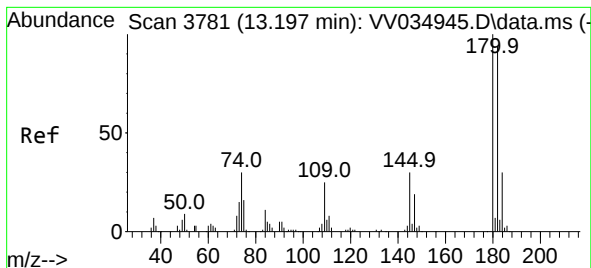
Ion Ratio Lower Upper

146 100

111 42.9 33.9 50.9

148 65.5 49.3 73.9





#70

1,2,4-trichlorobenzene

Concen: 94.773 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV034958.D

Acq: 03 Apr 2024 15:51

Instrument :

MSVOA_V

ClientSampleId :

PMW-5(20240328)

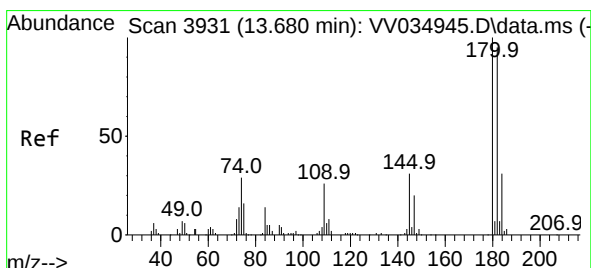
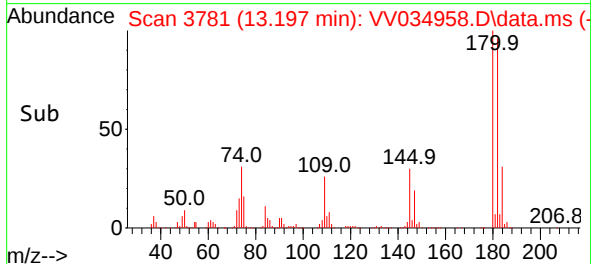
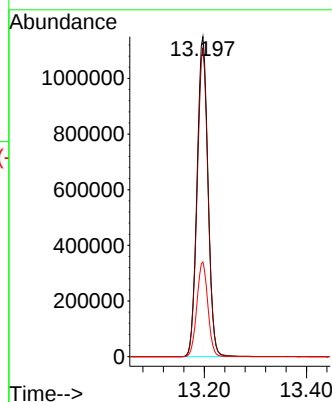
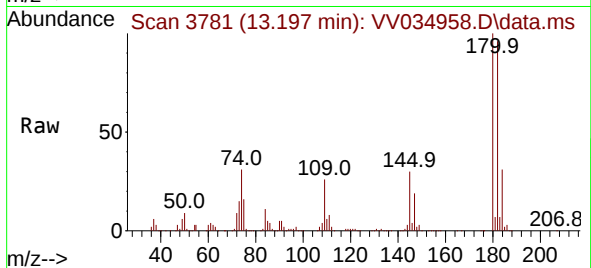
Tgt Ion:180 Resp: 1714063

Ion Ratio Lower Upper

180 100

182 95.4 75.3 112.9

145 29.6 23.4 35.0



#72

1,2,3-Trichlorobenzene

Concen: 18.440 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV034958.D

Acq: 03 Apr 2024 15:51

Tgt Ion:180 Resp: 293306

Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.4

145 30.9 25.4 38.2

