

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020425\
 Data File : VU063124.D
 Acq On : 04 Feb 2025 17:01
 Operator : MD/SY
 Sample : VU0204WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK155

Quant Time: Feb 05 07:59:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 05 07:57:12 2025
 Response via : Initial Calibration

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

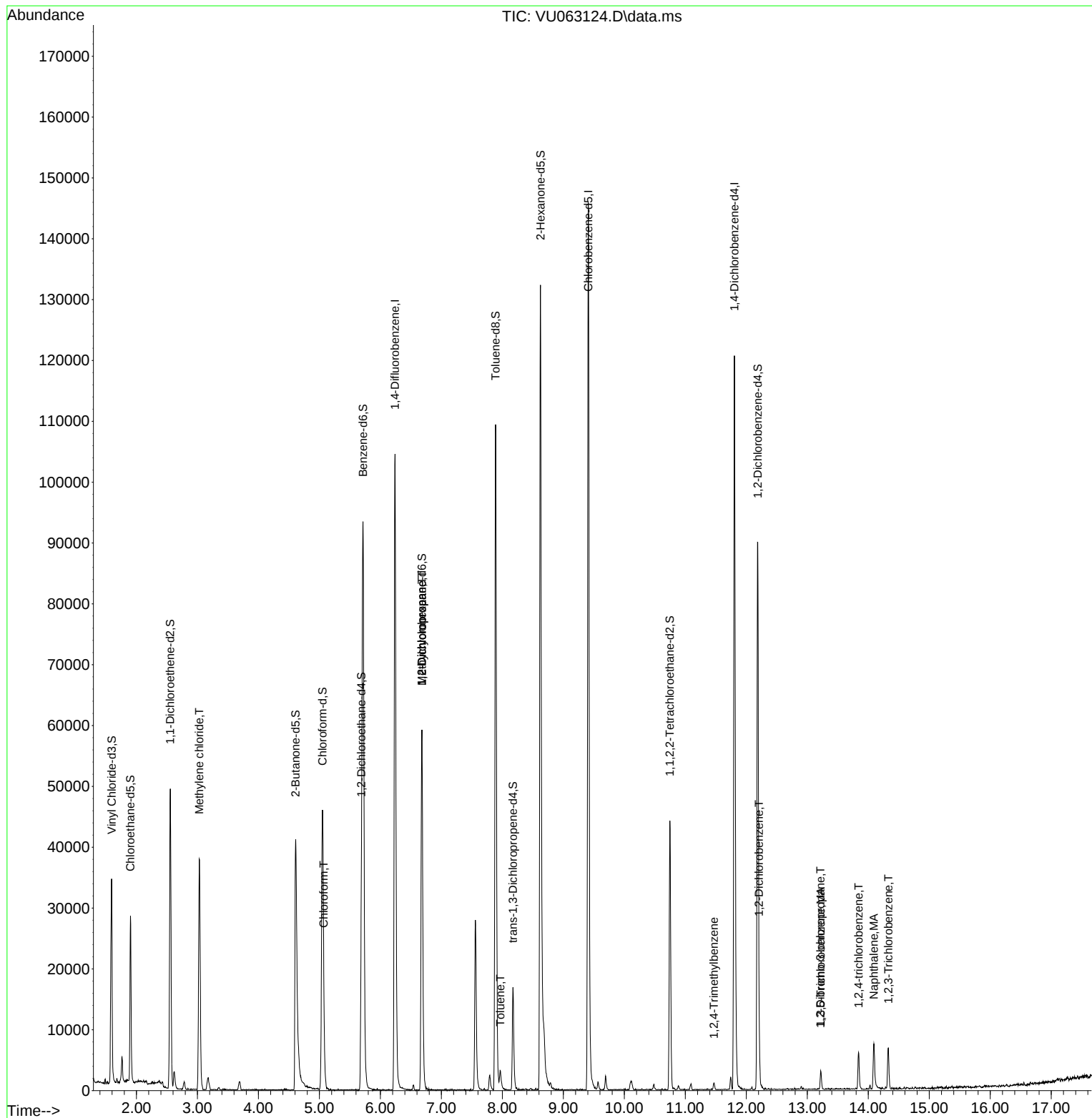
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	87995	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	82265	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	33611	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.593	65	21519	4.275	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.600%
7) Chloroethane-d5	1.901	69	19851	4.249	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.554	65	9300	4.139	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.800%
20) 2-Butanone-d5	4.609	46	66281	40.001	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.000%
24) Chloroform-d	5.049	84	45199	4.062	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.200%
26) 1,2-Dichloroethane-d4	5.689	65	23744	4.149	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.000%
32) Benzene-d6	5.715	84	89920	4.190	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.800%
36) 1,2-Dichloropropane-d6	6.679	67	30068	4.250	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.000%
41) Toluene-d8	7.888	98	75689	3.993	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.800%
43) trans-1,3-Dichloroprop...	8.174	79	10885	4.106	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.624	63	48894	36.649	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.300%
56) 1,1,2,2-Tetrachloroeth...	10.747	84	23992	3.842	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	24669	4.395	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.000%
Target Compounds						Qvalue
16) Methylene chloride	3.030	84	18086	2.643	ug/L	97
25) Chloroform	5.072	83	2558	0.211	ug/L	95
35) Methylcyclohexane	6.679	83	6720	0.652	ug/L #	18
37) 1,2-Dichloropropane	6.679	63	3124	0.433	ug/L #	90
42) Toluene	7.965	91	2541	0.090	ug/L	94
63) 1,2,4-Trimethylbenzene	11.467	105	1172	0.065	ug/L	88
67) 1,2-Dichlorobenzene	12.206	146	1248	0.123	ug/L #	73
68) 1,2-Dibromo-3-chloropr...	13.216	75	68	0.084	ug/L #	6
69) 1,3,5-Trichlorobenzene	13.219	180	1356	0.184	ug/L	97
70) 1,2,4-trichlorobenzene	13.840	180	2505	0.431	ug/L	99
71) Naphthalene	14.090	128	8506	0.892	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	2724	0.524	ug/L	100

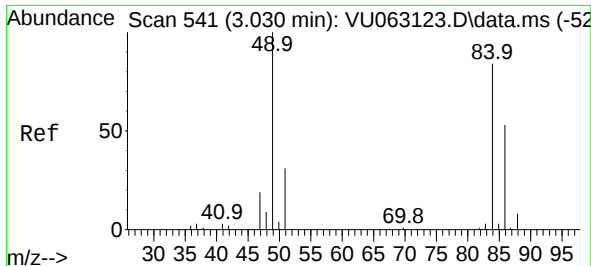
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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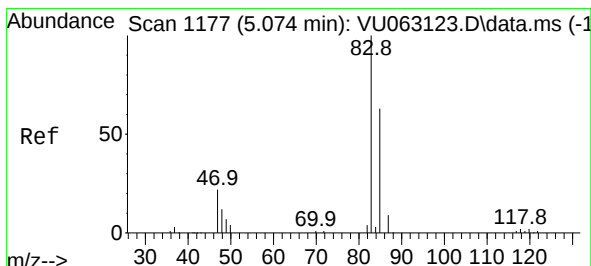
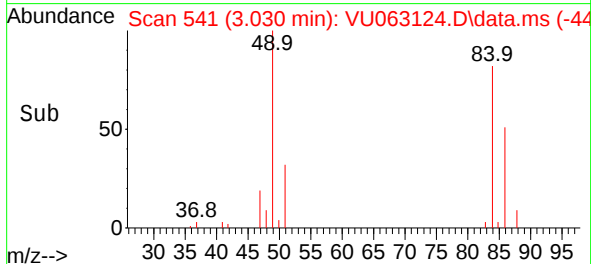
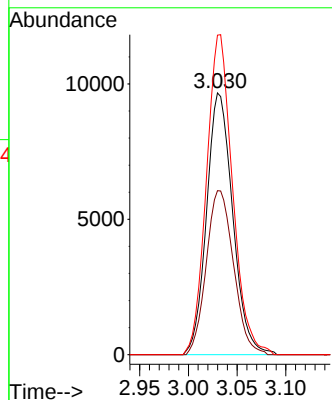
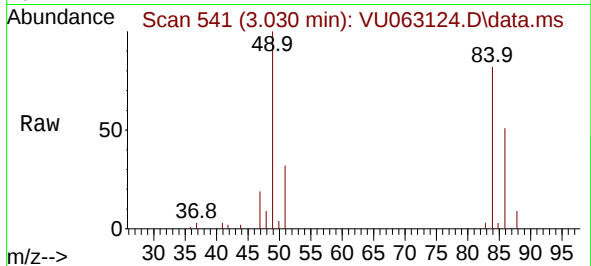




#16
Methylene chloride
Concen: 2.643 ug/L
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063124.D
Acq: 04 Feb 2025 17:01

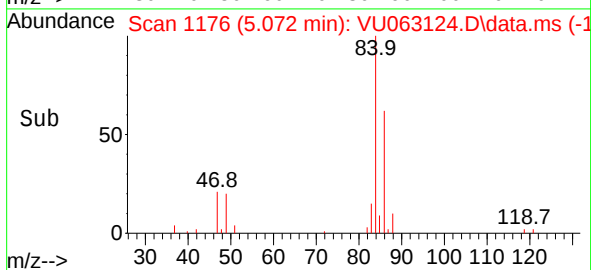
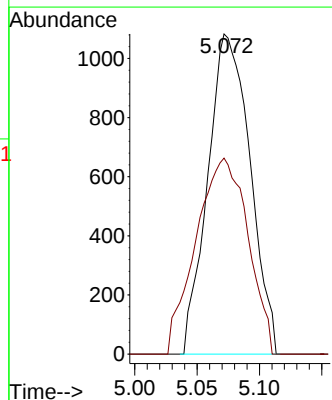
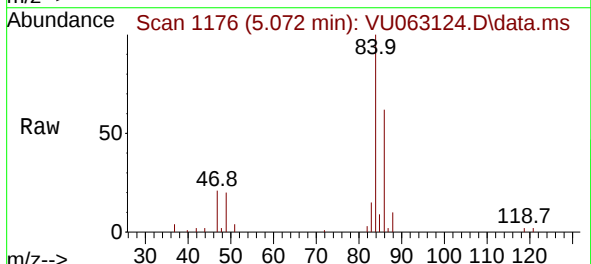
Instrument :
MSVOA_U
ClientSampleId :
VBLK155

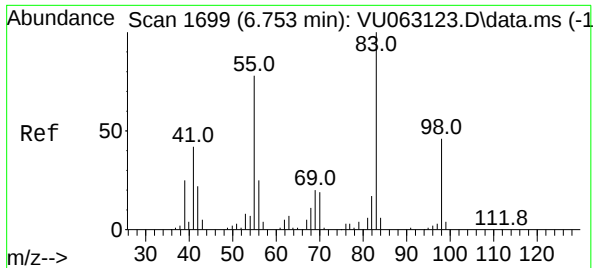
Tgt Ion: 84 Resp: 18086
Ion Ratio Lower Upper
84 100
86 62.7 45.0 83.6
49 122.1 82.4 153.0



#25
Chloroform
Concen: 0.211 ug/L
RT: 5.072 min Scan# 1176
Delta R.T. -0.003 min
Lab File: VU063124.D
Acq: 04 Feb 2025 17:01

Tgt Ion: 83 Resp: 2558
Ion Ratio Lower Upper
83 100
85 61.2 45.6 84.8





#35

Methylcyclohexane

Concen: 0.652 ug/L

RT: 6.679 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU063124.D

Acq: 04 Feb 2025 17:01

Instrument :

MSVOA_U

ClientSampleId :

VBLK155

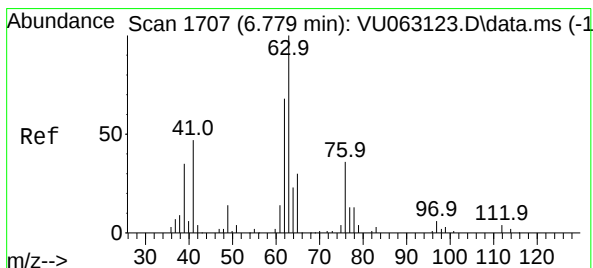
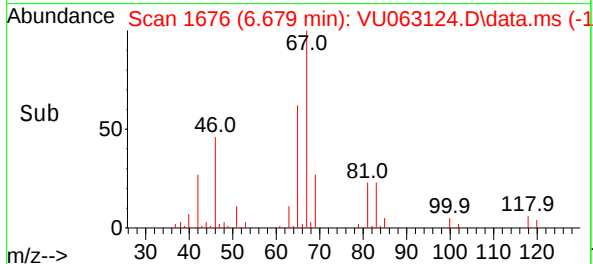
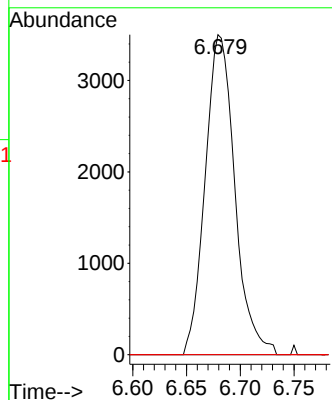
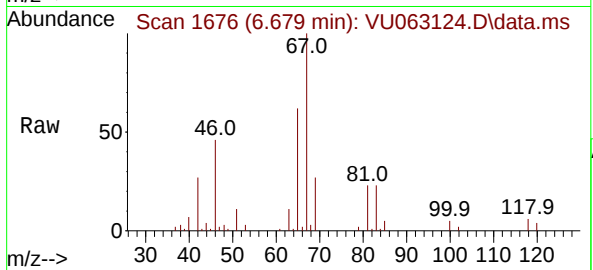
Tgt Ion: 83 Resp: 6720

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 0.0 36.0 54.0#



#37

1,2-Dichloropropane

Concen: 0.433 ug/L

RT: 6.679 min Scan# 1676

Delta R.T. -0.099 min

Lab File: VU063124.D

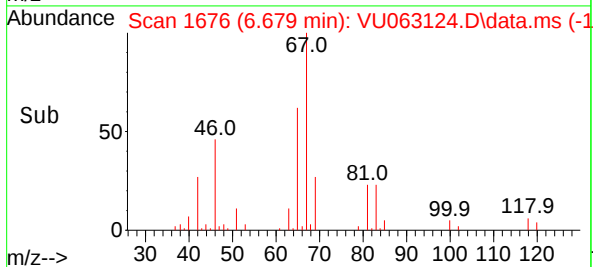
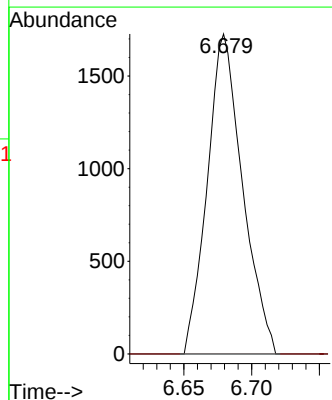
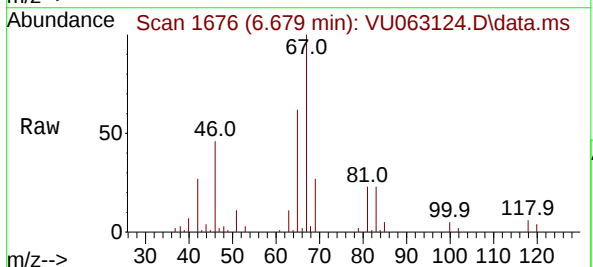
Acq: 04 Feb 2025 17:01

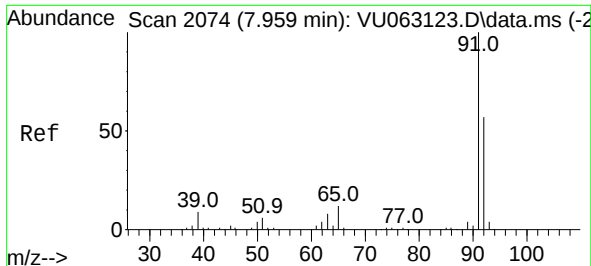
Tgt Ion: 63 Resp: 3124

Ion Ratio Lower Upper

63 100

112 0.0 2.6 4.0#





#42

Toluene

Concen: 0.090 ug/L

RT: 7.965 min Scan# 2074

Delta R.T. 0.007 min

Lab File: VU063124.D

Acq: 04 Feb 2025 17:01

Instrument :

MSVOA_U

ClientSampleId :

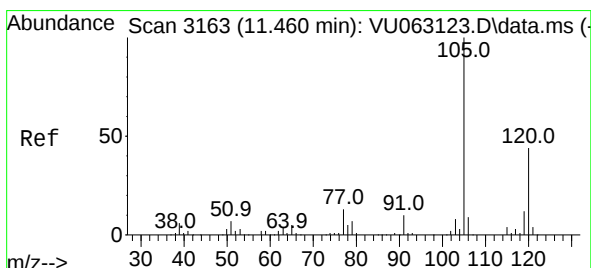
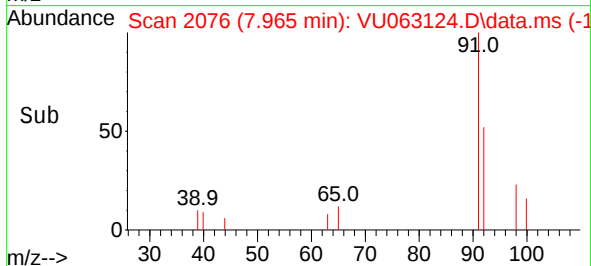
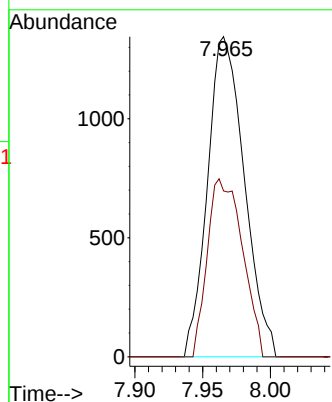
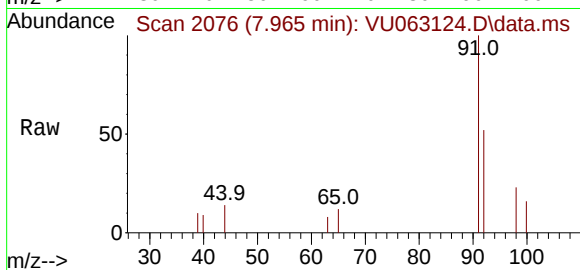
VBLK155

Tgt Ion: 91 Resp: 2541

Ion Ratio Lower Upper

91 100

92 51.8 39.5 73.4



#63

1,2,4-Trimethylbenzene

Concen: 0.065 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.007 min

Lab File: VU063124.D

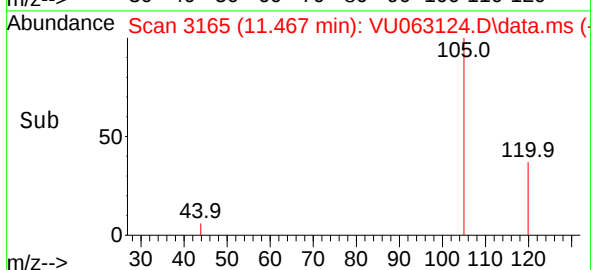
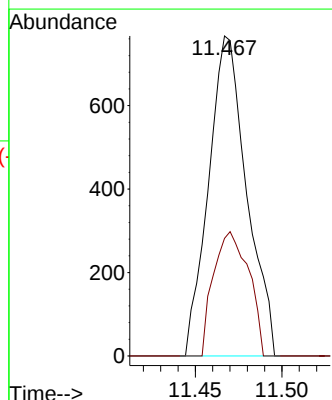
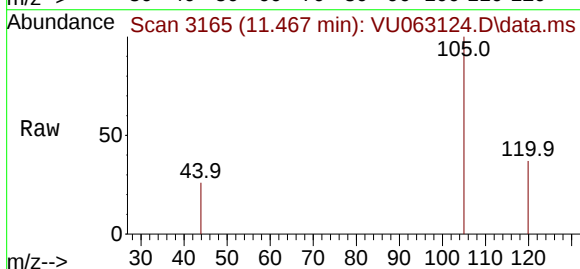
Acq: 04 Feb 2025 17:01

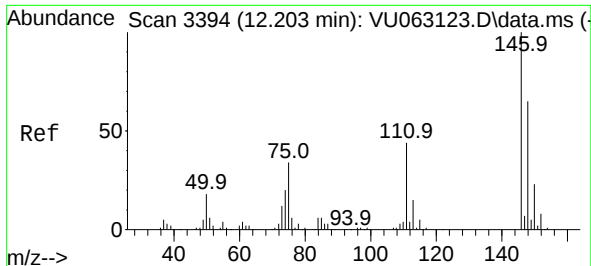
Tgt Ion: 105 Resp: 1172

Ion Ratio Lower Upper

105 100

120 35.8 34.7 52.1





#67

1,2-Dichlorobenzene

Concen: 0.123 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.004 min

Lab File: VU063124.D

Acq: 04 Feb 2025 17:01

Instrument :

MSVOA_U

ClientSampleId :

VBLK155

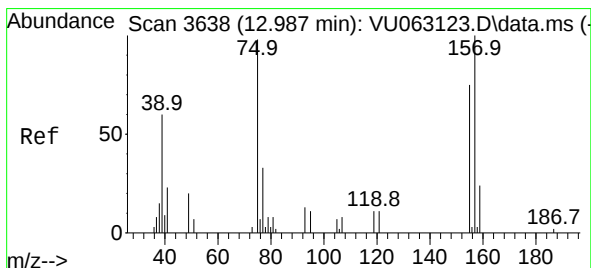
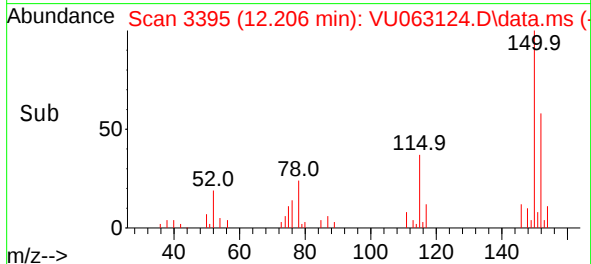
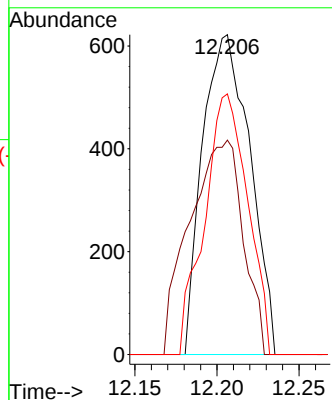
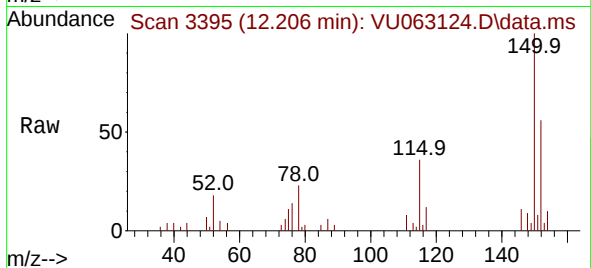
Tgt Ion:146 Resp: 1248

Ion Ratio Lower Upper

146 100

111 67.0 34.1 51.1#

148 81.5 52.5 78.7#



#68

1,2-Dibromo-3-chloropropane

Concen: 0.084 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.229 min

Lab File: VU063124.D

Acq: 04 Feb 2025 17:01

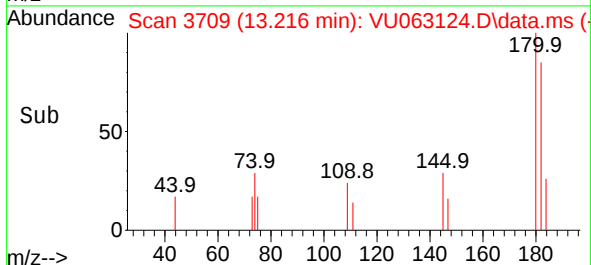
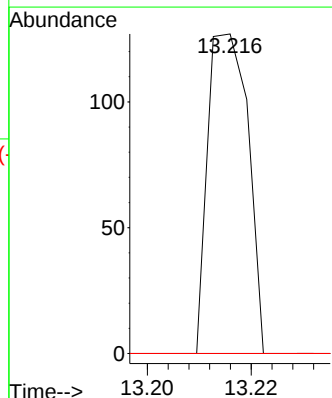
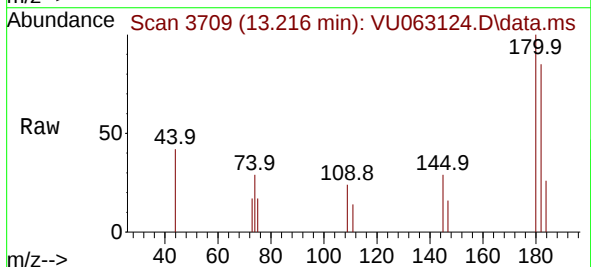
Tgt Ion: 75 Resp: 68

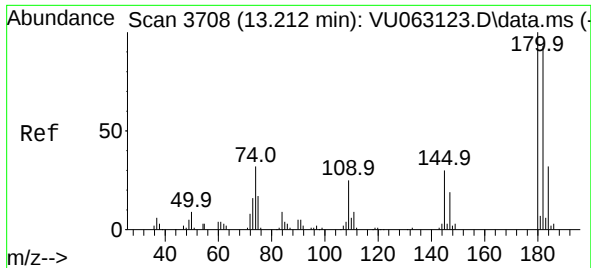
Ion Ratio Lower Upper

75 100

155 0.0 61.6 92.4#

157 0.0 77.4 116.0#





#69

1,3,5-Trichlorobenzene

Concen: 0.184 ug/L

RT: 13.219 min Scan# 3708

Delta R.T. 0.007 min

Lab File: VU063124.D

Acq: 04 Feb 2025 17:01

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VBLK155

Tgt Ion:180 Resp: 1356

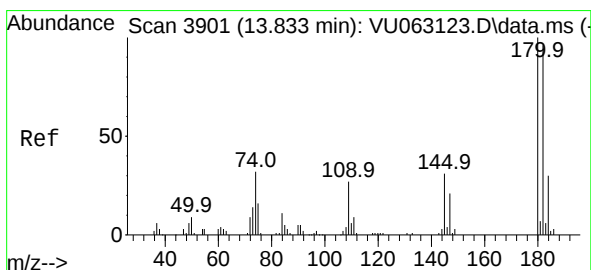
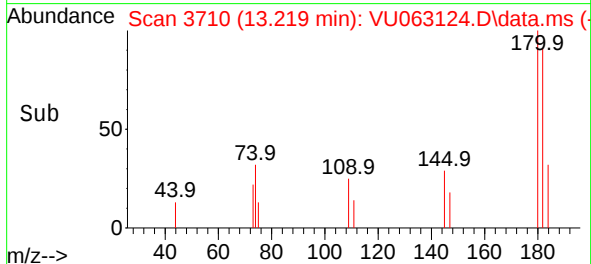
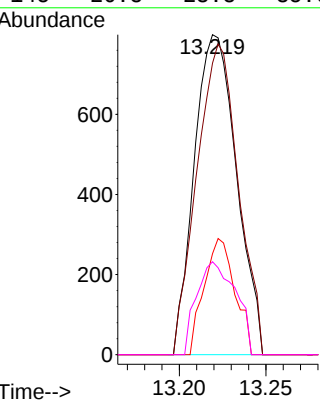
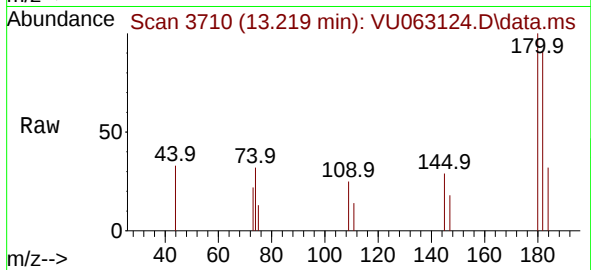
Ion Ratio Lower Upper

180 100

182 95.1 76.7 115.1

184 26.5 23.8 35.8

145 26.8 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 0.431 ug/L

RT: 13.840 min Scan# 3903

Delta R.T. 0.007 min

Lab File: VU063124.D

Acq: 04 Feb 2025 17:01

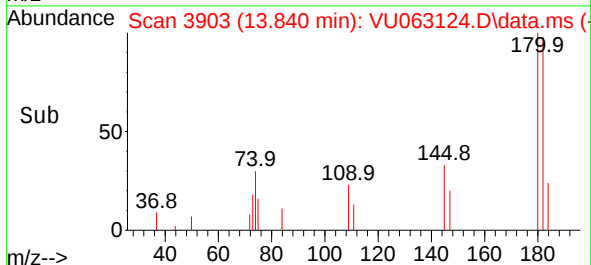
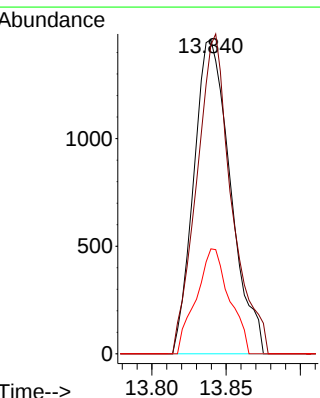
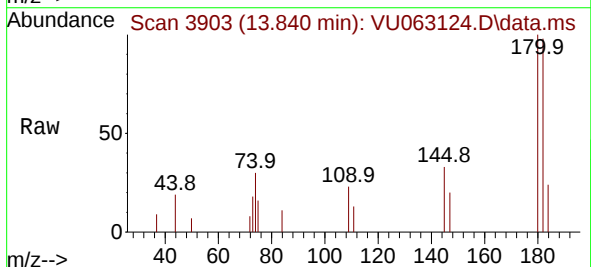
Tgt Ion:180 Resp: 2505

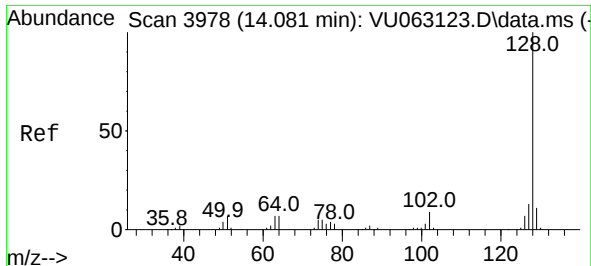
Ion Ratio Lower Upper

180 100

182 96.8 76.1 114.1

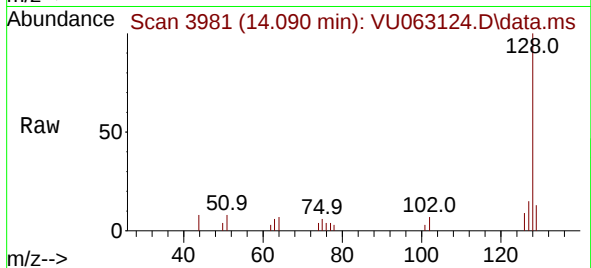
145 30.2 24.3 36.5



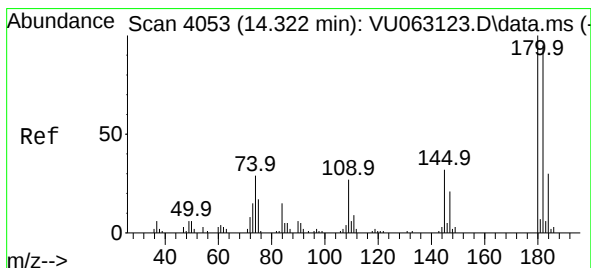
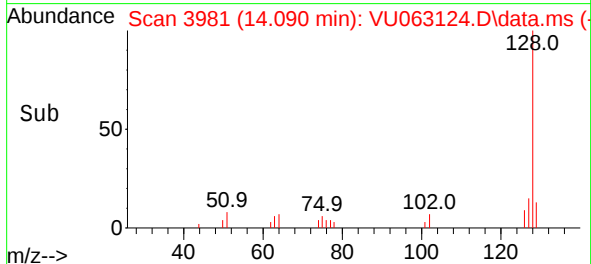
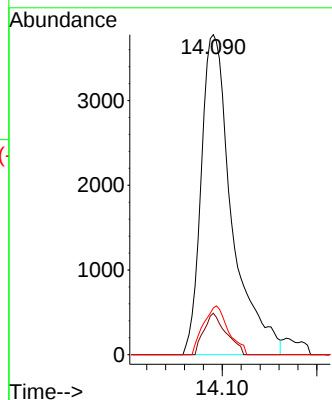


#71
Naphthalene
Concen: 0.892 ug/L
RT: 14.090 min Scan# 3978
Delta R.T. 0.010 min
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Tgt Ion:128 Resp: 8506
Ion Ratio Lower Upper
128 100
129 9.4 8.0 12.0
127 12.5 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 0.524 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.007 min
Lab File: VU063124.D
Acq: 04 Feb 2025 17:01

Tgt Ion:180 Resp: 2724
Ion Ratio Lower Upper
180 100
182 98.1 78.5 117.7
145 33.3 26.1 39.1

