

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040824\
 Data File : VU058479.D
 Acq On : 08 Apr 2024 19:22
 Operator : MD/SY
 Sample : P1925-20
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 09 04:28:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 09 04:22:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	63690	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	60689	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	26983	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	27054	6.416	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 128.400%	
7) Chloroethane-d5	1.904	69	24440	6.669	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 133.400%#	
11) 1,1-Dichloroethene-d2	2.557	65	11221	5.879	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 117.600%	
20) 2-Butanone-d5	4.621	46	53062	59.713	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 119.420%	
24) Chloroform-d	5.052	84	48843	5.802	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 116.000%	
26) 1,2-Dichloroethane-d4	5.695	65	25085	6.386	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 127.800%	
32) Benzene-d6	5.718	84	93788	5.740	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 114.800%	
36) 1,2-Dichloropropane-d6	6.682	67	30994	6.049	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 121.000%	
41) Toluene-d8	7.891	98	72909	5.032	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 100.600%	
43) trans-1,3-Dichloroprop...	8.177	79	7497	4.713	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 94.200%	
46) 2-Hexanone-d5	8.628	63	37566	57.262	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 114.520%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	19728	5.454	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 109.000%	
66) 1,2-Dichlorobenzene-d4	12.187	152	23275	5.121	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 102.400%	
Target Compounds						Qvalue
3) Chloromethane	1.512	50	843	0.130	ug/L	98
16) Methylene chloride	3.036	84	8280	1.382	ug/L	97
35) Methylcyclohexane	6.679	83	6558	0.785	ug/L #	16
37) 1,2-Dichloropropane	6.682	63	3270	0.565	ug/L #	90
42) Toluene	7.965	91	8100	0.351	ug/L	96
47) Tetrachloroethene	8.550	164	1847	0.454	ug/L	95
49) Dibromochloromethane	8.547	129	1780	0.455	ug/L #	11
53) m,p-Xylene	9.689	106	2443	0.279	ug/L	76
61) 1,2,3-Trichloropropane	11.740	75	1335	0.485	ug/L #	74
62) 1,3,5-Trimethylbenzene	11.463	105	3454	0.214	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	3454	0.210	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	4058	0.423	ug/L	90
65) 1,4-Dichlorobenzene	11.830	146	21982	2.351	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	7425	0.851	ug/L	92
69) 1,3,5-Trichlorobenzene	13.833	180	292956	41.287	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	292956	53.542	ug/L	98
71) Naphthalene	14.087	128	1700	0.227	ug/L #	81
72) 1,2,3-Trichlorobenzene	14.322	180	50143	11.097	ug/L	98

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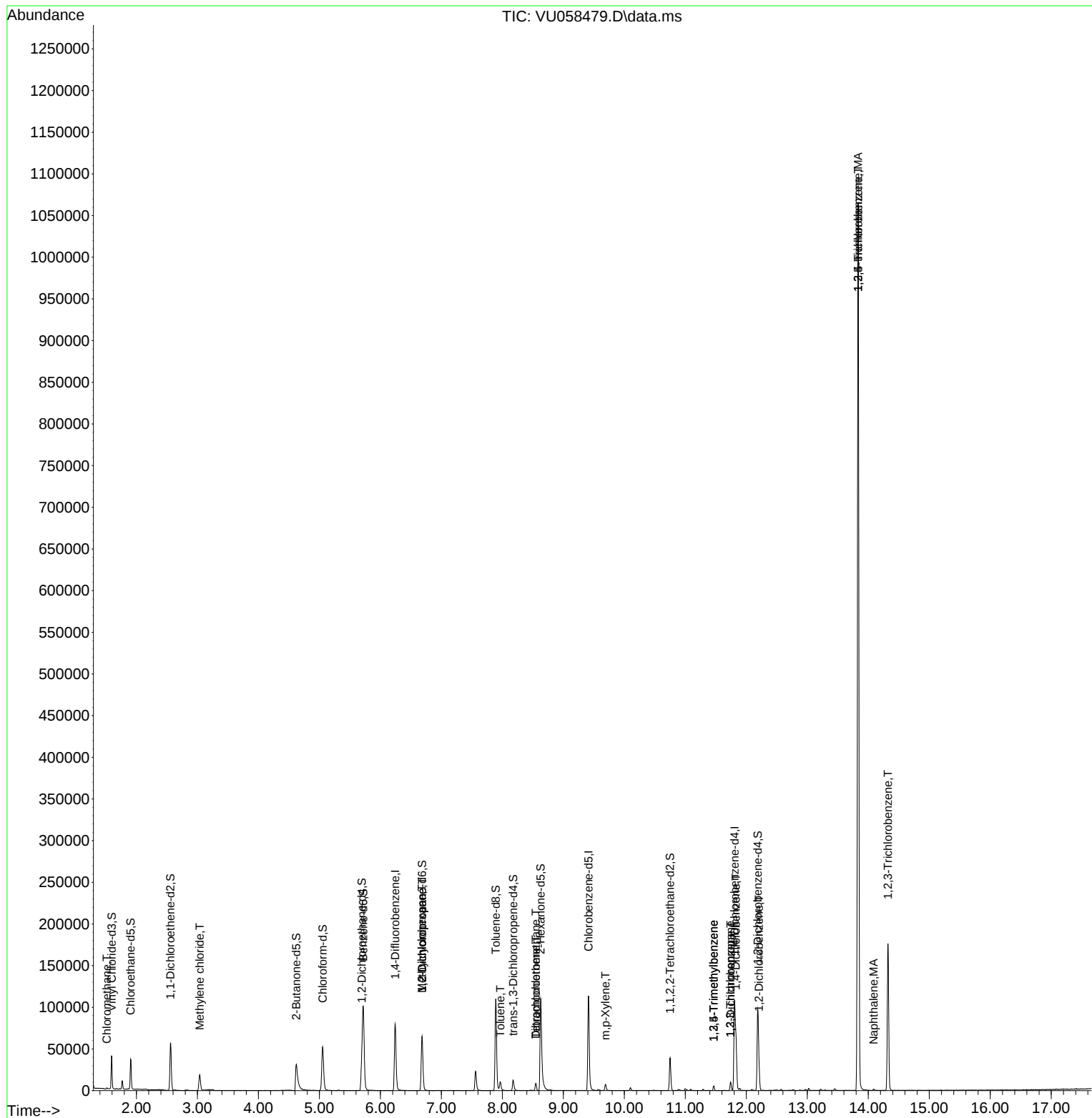
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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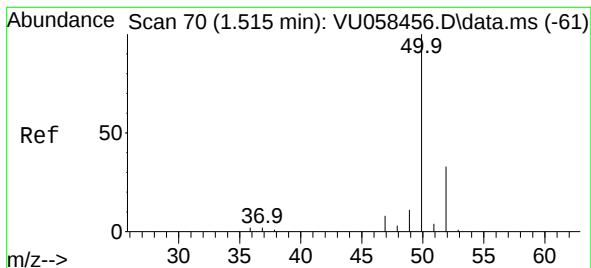
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.130 ug/L

RT: 1.512 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU058479.D

Acq: 08 Apr 2024 19:22

Instrument :

MSVOA_U

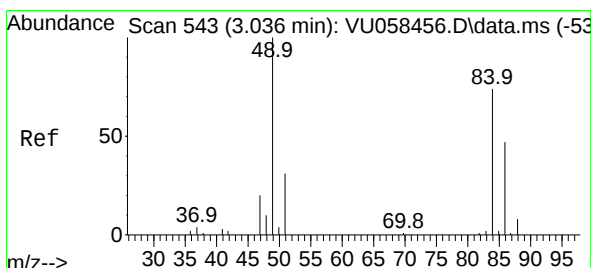
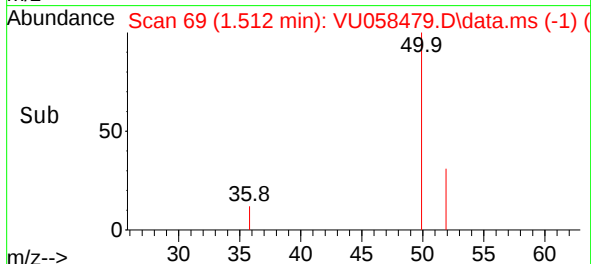
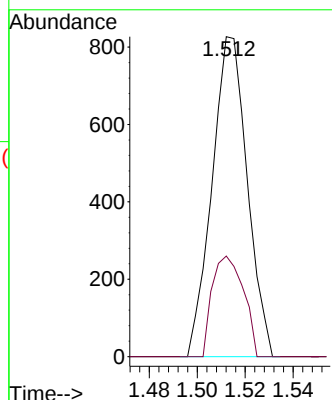
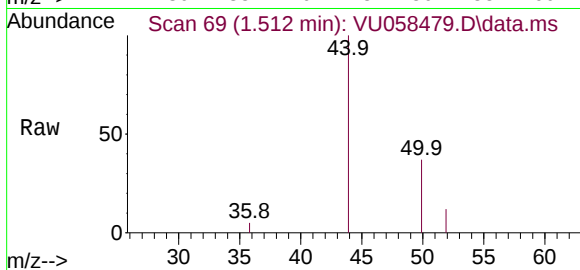
ClientSampleId :

Tgt Ion: 50 Resp: 843

Ion Ratio Lower Upper

50 100

52 31.4 22.6 42.0



#16

Methylene chloride

Concen: 1.382 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.000 min

Lab File: VU058479.D

Acq: 08 Apr 2024 19:22

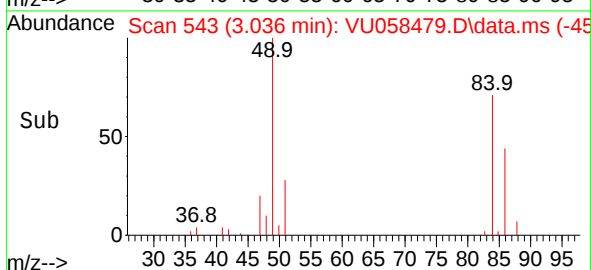
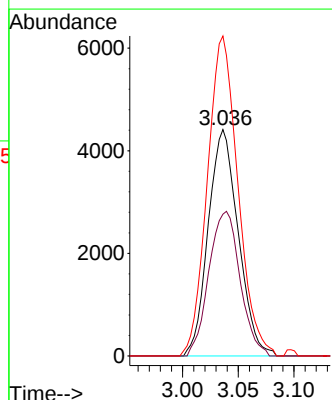
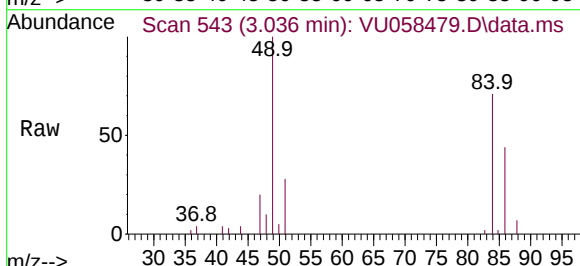
Tgt Ion: 84 Resp: 8280

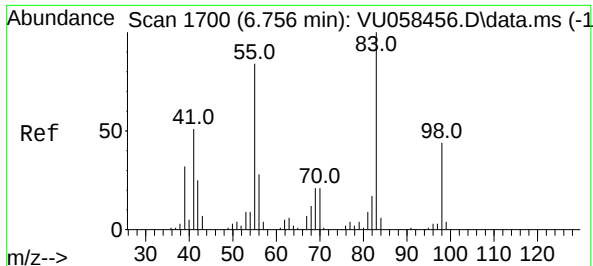
Ion Ratio Lower Upper

84 100

86 62.6 44.3 82.3

49 141.4 96.0 178.2





#35

Methylcyclohexane

Concen: 0.785 ug/L

RT: 6.679 min Scan# 1

Delta R.T. -0.077 min

Lab File: VU058479.D

Acq: 08 Apr 2024 19:22

Instrument :

MSVOA_U

ClientSampleId :

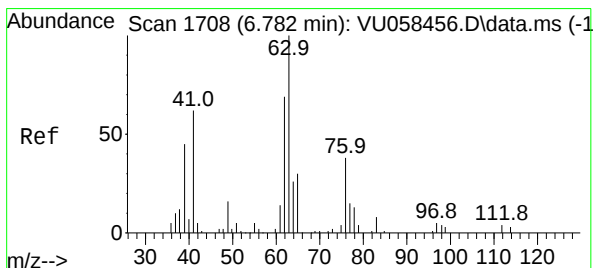
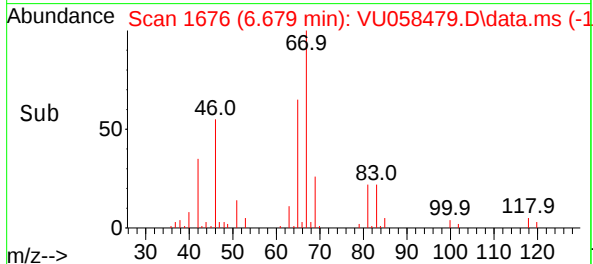
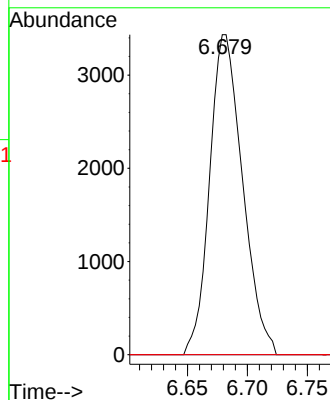
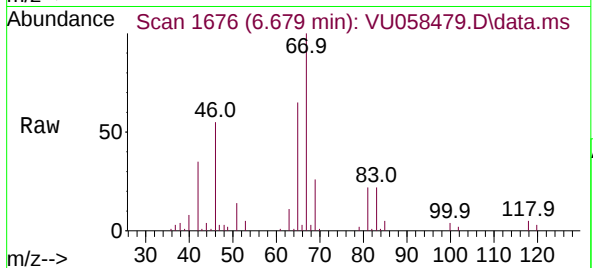
Tgt Ion: 83 Resp: 6558

Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

98 0.0 34.6 52.0#



#37

1,2-Dichloropropane

Concen: 0.565 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.099 min

Lab File: VU058479.D

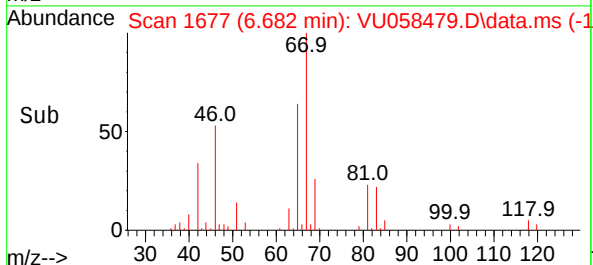
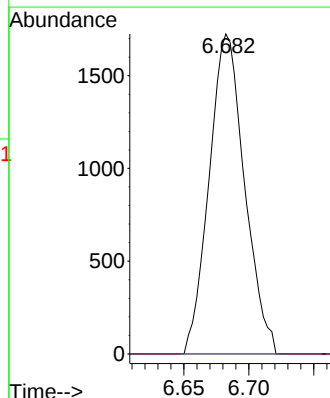
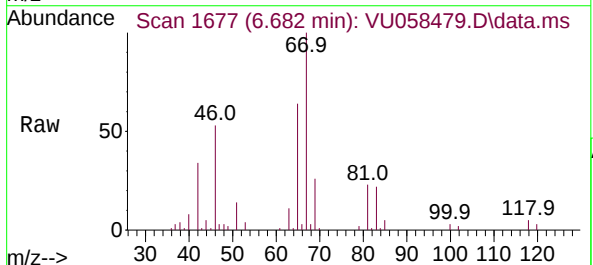
Acq: 08 Apr 2024 19:22

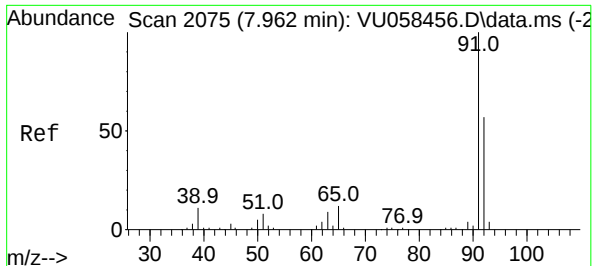
Tgt Ion: 63 Resp: 3270

Ion Ratio Lower Upper

63 100

112 0.0 2.6 4.0#





#42

Toluene

Concen: 0.351 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.004 min

Lab File: VU058479.D

Acq: 08 Apr 2024 19:22

Instrument :

MSVOA_U

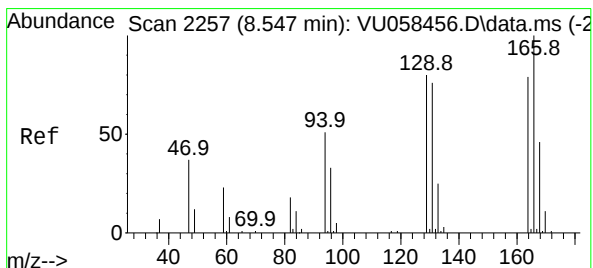
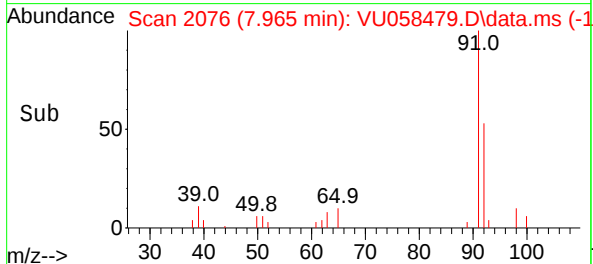
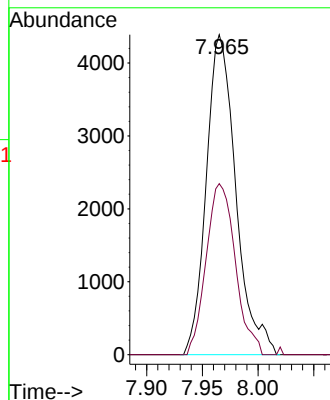
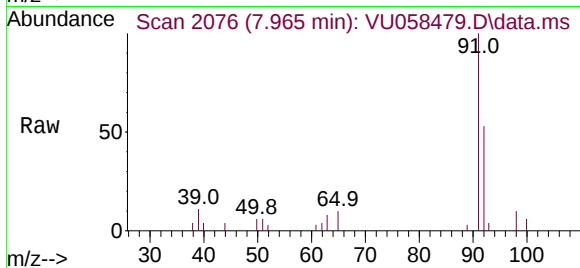
ClientSampleId :

Tgt Ion: 91 Resp: 8100

Ion Ratio Lower Upper

91 100

92 53.4 39.5 73.3



#47

Tetrachloroethene

Concen: 0.454 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.004 min

Lab File: VU058479.D

Acq: 08 Apr 2024 19:22

Tgt Ion: 164 Resp: 1847

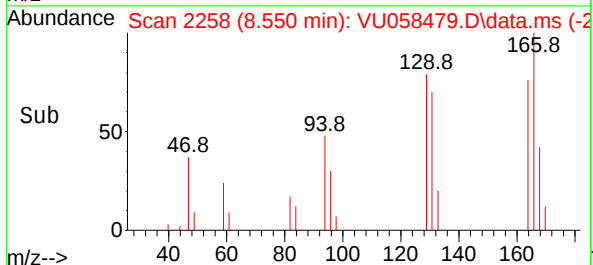
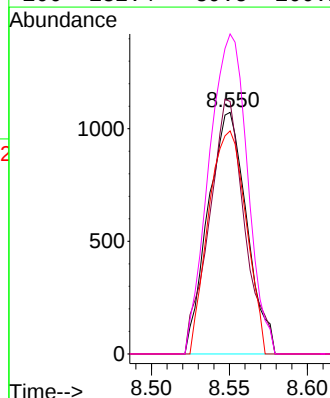
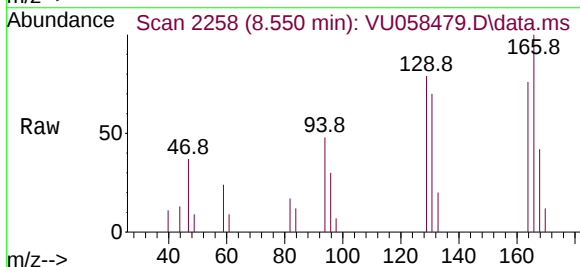
Ion Ratio Lower Upper

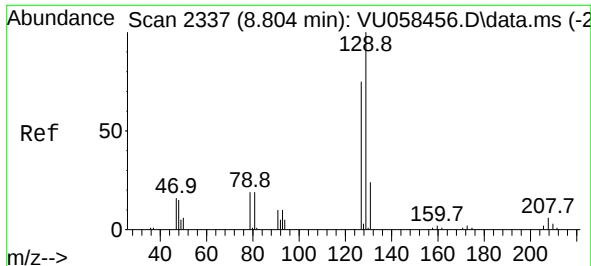
164 100

129 104.5 67.3 125.1

131 92.3 65.5 121.6

166 132.4 89.5 166.1





#49

Dibromochloromethane

Concen: 0.455 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU058479.D

Acq: 08 Apr 2024 19:22

Instrument :

MSVOA_U

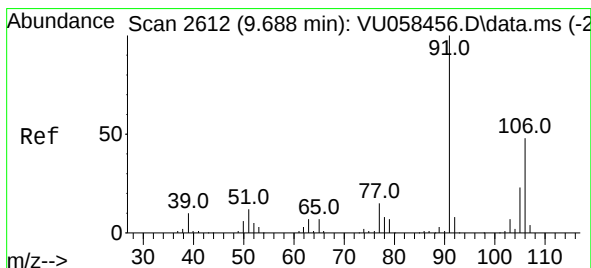
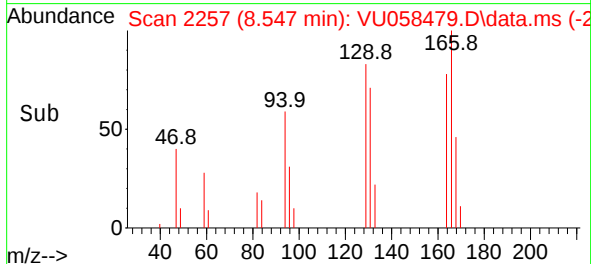
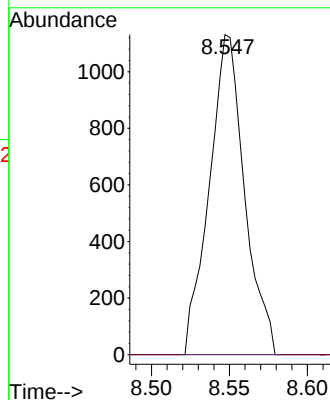
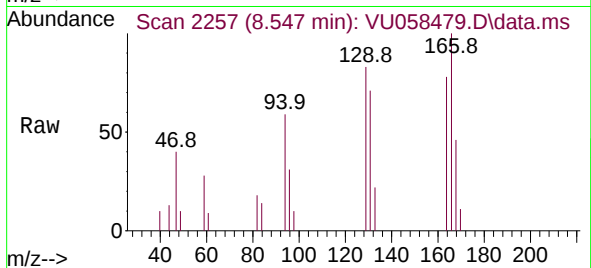
ClientSampleId :

Tgt Ion:129 Resp: 1780

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#



#53

m,p-Xylene

Concen: 0.279 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU058479.D

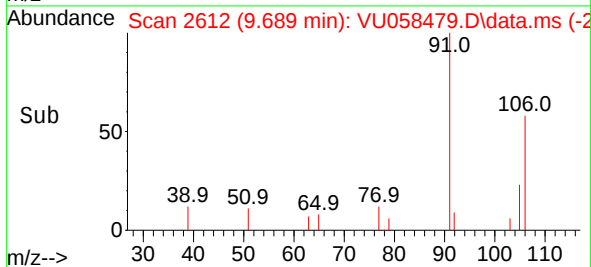
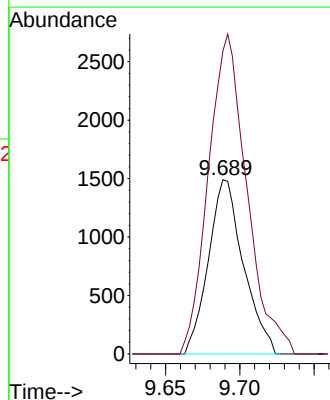
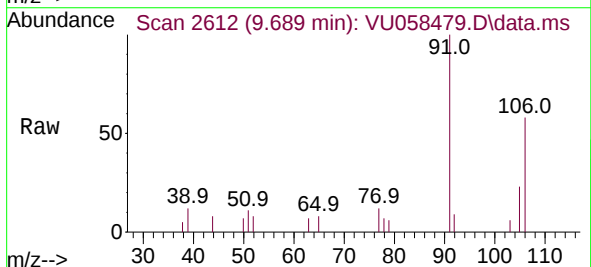
Acq: 08 Apr 2024 19:22

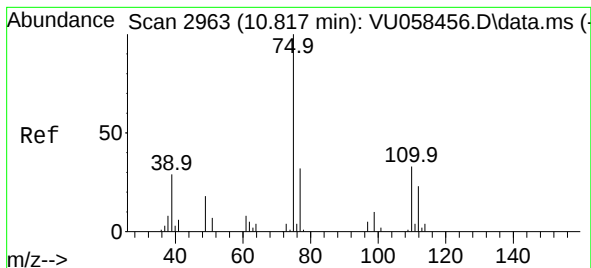
Tgt Ion:106 Resp: 2443

Ion Ratio Lower Upper

106 100

91 173.8 147.8 274.4





#61

1,2,3-Trichloropropane

Concen: 0.485 ug/L

RT: 11.740 min Scan# 31

Delta R.T. 0.923 min

Lab File: VU058479.D

Acq: 08 Apr 2024 19:22

Instrument :

MSVOA_U

ClientSampleId :

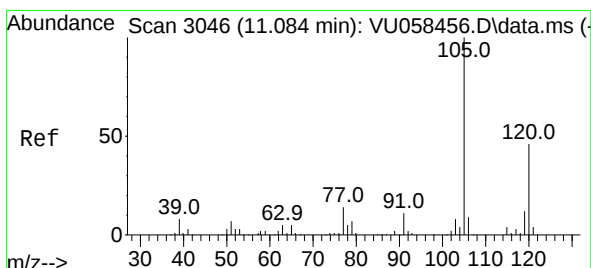
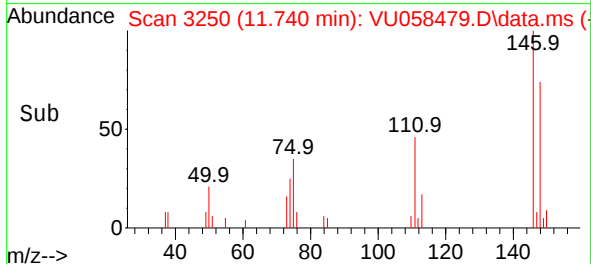
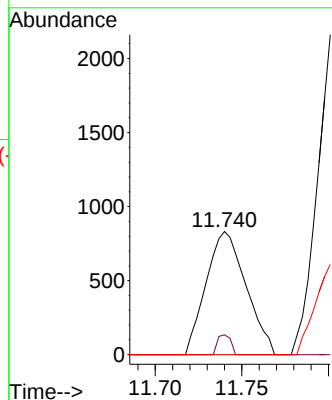
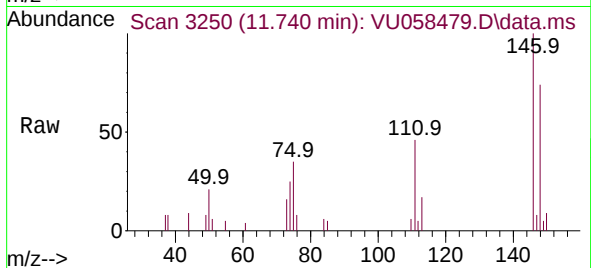
Tgt Ion: 75 Resp: 1335

Ion Ratio Lower Upper

75 100

110 5.3 25.8 38.6#

77 29.0 25.1 37.7



#62

1,3,5-Trimethylbenzene

Concen: 0.214 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.380 min

Lab File: VU058479.D

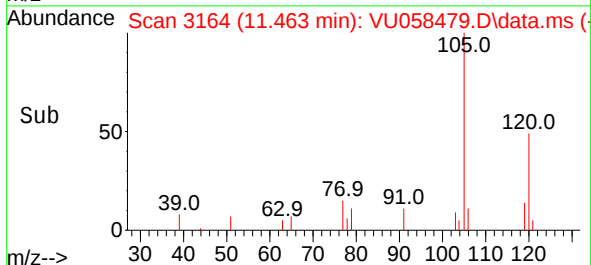
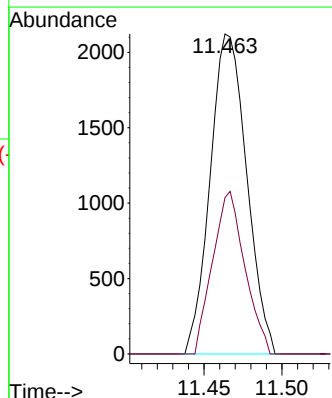
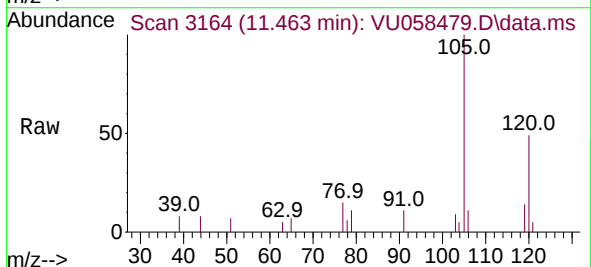
Acq: 08 Apr 2024 19:22

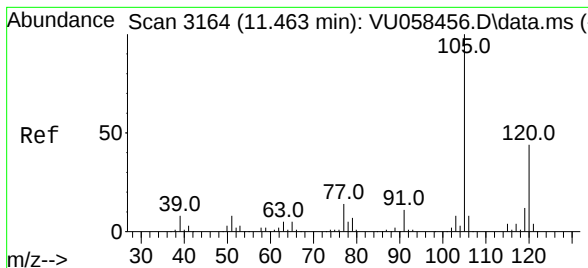
Tgt Ion:105 Resp: 3454

Ion Ratio Lower Upper

105 100

120 44.8 37.2 55.8





#63

1,2,4-Trimethylbenzene

Concen: 0.210 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU058479.D

Acq: 08 Apr 2024 19:22

Instrument :

MSVOA_U

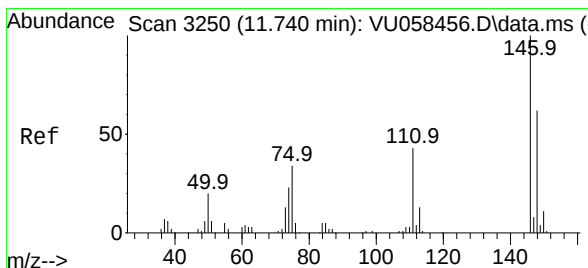
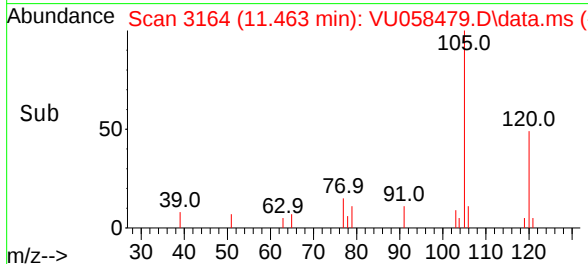
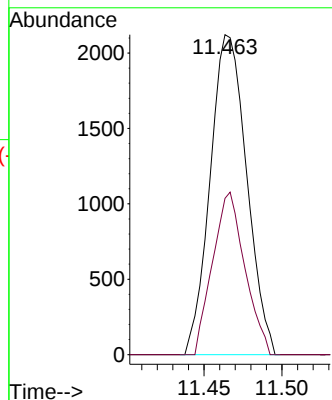
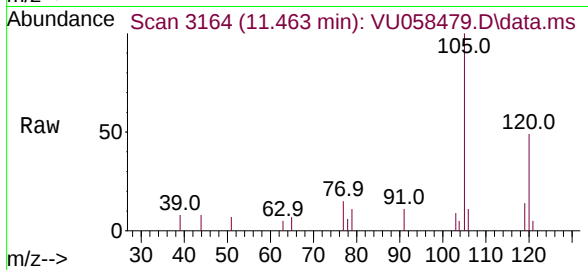
ClientSampleId :

Tgt Ion:105 Resp: 3454

Ion Ratio Lower Upper

105 100

120 44.8 34.7 52.1



#64

1,3-Dichlorobenzene

Concen: 0.423 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.004 min

Lab File: VU058479.D

Acq: 08 Apr 2024 19:22

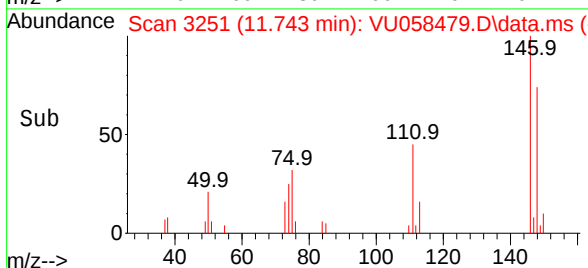
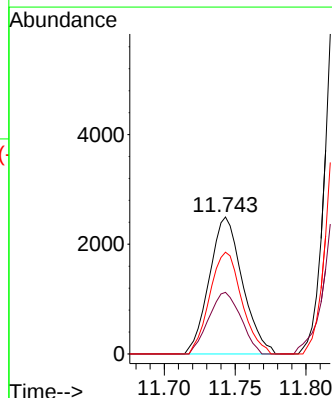
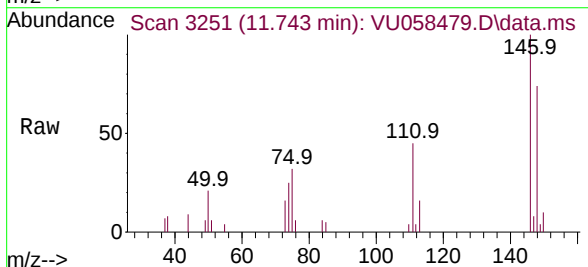
Tgt Ion:146 Resp: 4058

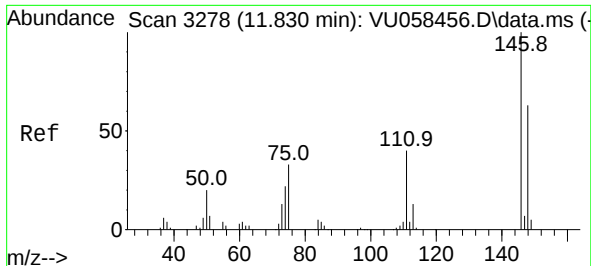
Ion Ratio Lower Upper

146 100

111 45.0 28.8 53.4

148 74.2 44.9 83.3





#65

1,4-Dichlorobenzene

Concen: 2.351 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU058479.D

Acq: 08 Apr 2024 19:22

Instrument :

MSVOA_U

ClientSampleId :

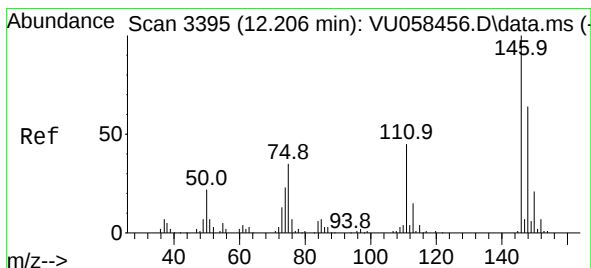
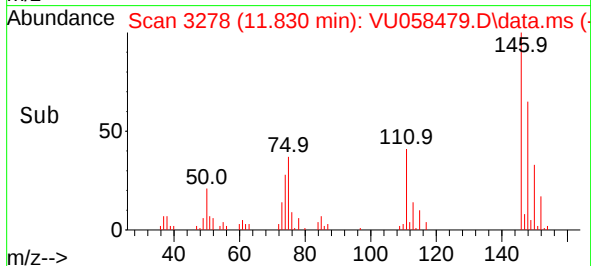
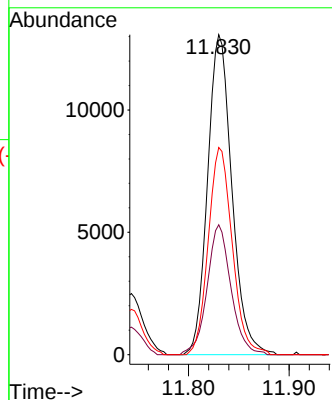
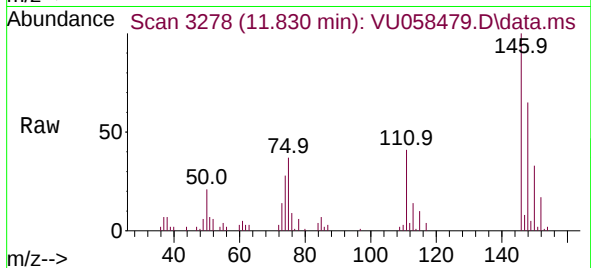
Tgt Ion:146 Resp: 21982

Ion Ratio Lower Upper

146 100

111 40.6 28.8 53.6

148 64.7 45.3 84.1



#67

1,2-Dichlorobenzene

Concen: 0.851 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058479.D

Acq: 08 Apr 2024 19:22

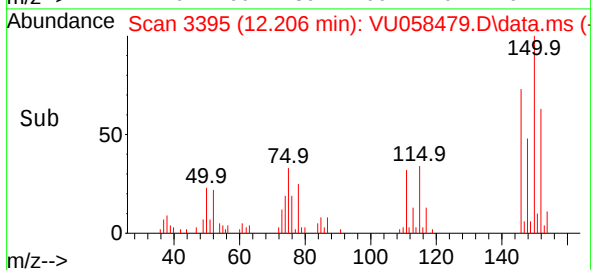
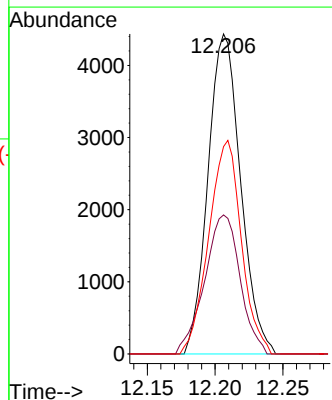
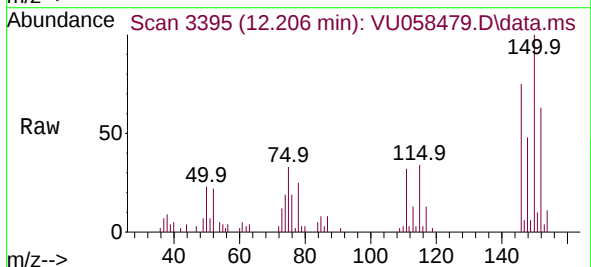
Tgt Ion:146 Resp: 7425

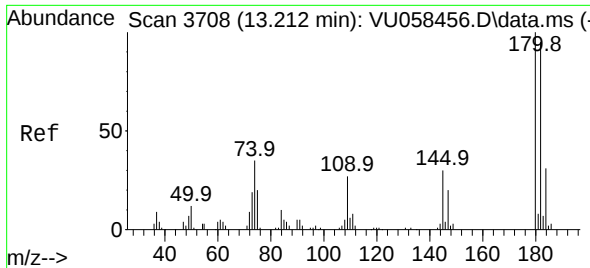
Ion Ratio Lower Upper

146 100

111 47.7 35.0 52.4

148 72.4 52.5 78.7





#69

1,3,5-Trichlorobenzene

Concen: 41.287 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.621 min

Lab File: VU058479.D

Acq: 08 Apr 2024 19:22

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 292956

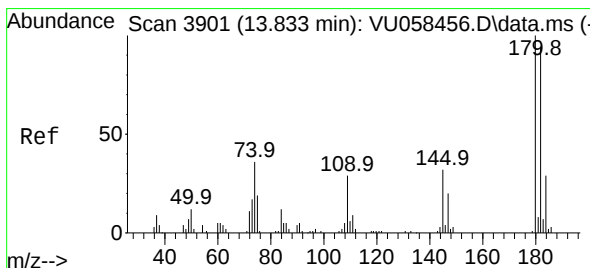
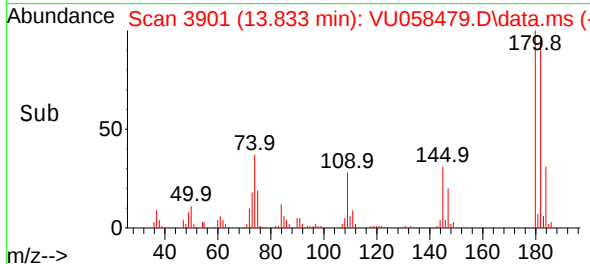
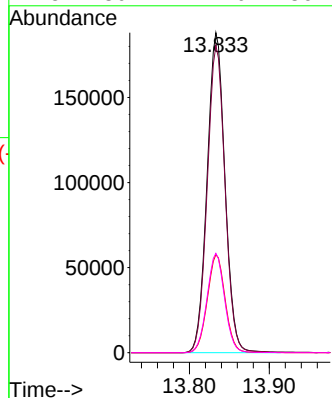
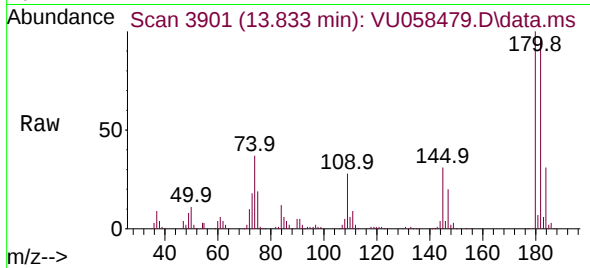
Ion Ratio Lower Upper

180 100

182 95.4 75.7 113.5

184 30.6 24.3 36.5

145 30.7 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 53.542 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU058479.D

Acq: 08 Apr 2024 19:22

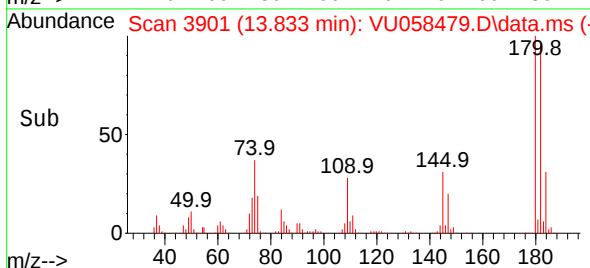
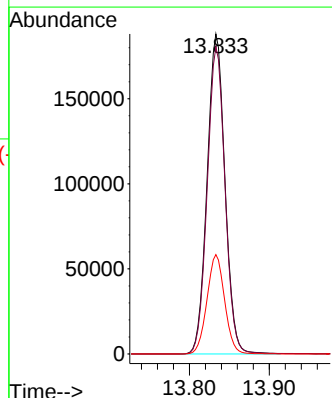
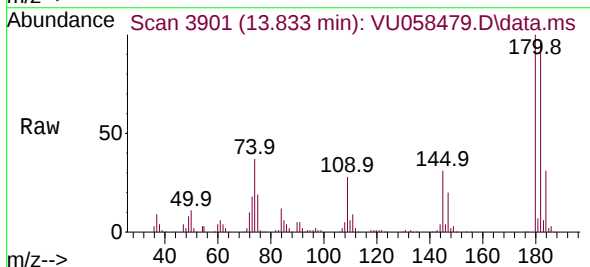
Tgt Ion:180 Resp: 292956

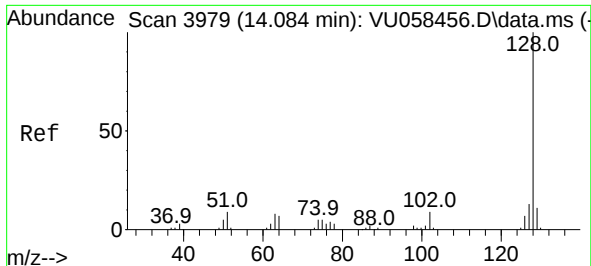
Ion Ratio Lower Upper

180 100

182 95.4 74.4 111.6

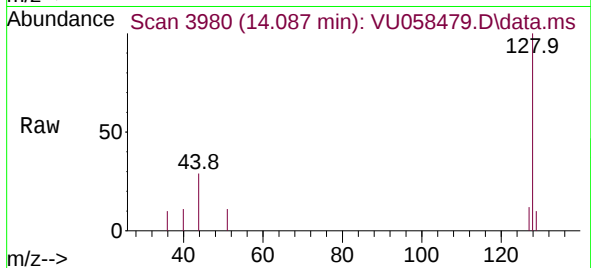
145 30.7 24.1 36.1



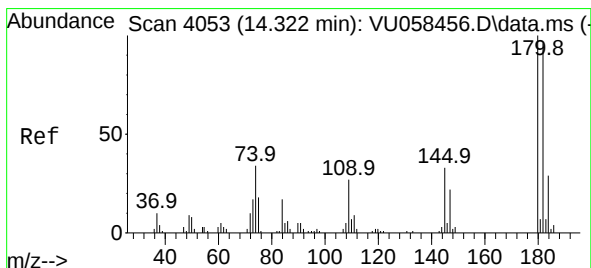
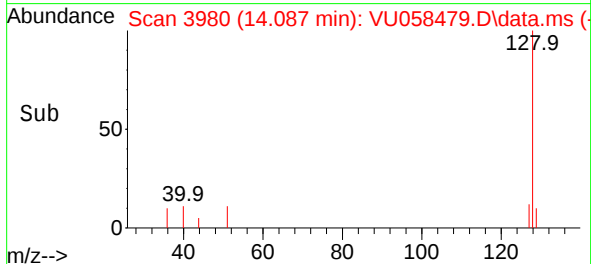
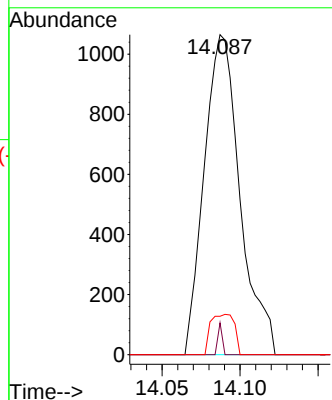


#71
Naphthalene
Concen: 0.227 ug/L
RT: 14.087 min Scan# 3979
Delta R.T. 0.004 min
Lab File: VU058479.D
Acq: 08 Apr 2024 19:22

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 1700
Ion Ratio Lower Upper
128 100
129 1.2 8.6 13.0#
127 8.3 11.0 16.6#



#72
1,2,3-Trichlorobenzene
Concen: 11.097 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU058479.D
Acq: 08 Apr 2024 19:22

Tgt Ion:180 Resp: 50143
Ion Ratio Lower Upper
180 100
182 96.8 75.9 113.9
145 32.7 25.2 37.8

