

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040824\
 Data File : VU058464.D
 Acq On : 08 Apr 2024 13:23
 Operator : MD/SY
 Sample : P1925-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 09 04:24:40 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	72889	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	70654	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	31282	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	30231	6.265	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 125.200%	
7) Chloroethane-d5	1.907	69	25807	6.154	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 123.000%	
11) 1,1-Dichloroethene-d2	2.560	65	12654	5.793	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 115.800%	
20) 2-Butanone-d5	4.621	46	55067	54.148	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 108.300%	
24) Chloroform-d	5.052	84	53121	5.514	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 110.200%	
26) 1,2-Dichloroethane-d4	5.692	65	26390	5.870	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 117.400%	
32) Benzene-d6	5.717	84	106221	5.584	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 111.600%	
36) 1,2-Dichloropropane-d6	6.682	67	33862	5.676	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 113.600%	
41) Toluene-d8	7.891	98	86291	5.115	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 102.400%	
43) trans-1,3-Dichloroprop...	8.177	79	8686	4.691	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 93.800%	
46) 2-Hexanone-d5	8.627	63	38526	50.443	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 100.880%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	20538	4.877	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 97.600%	
66) 1,2-Dichlorobenzene-d4	12.187	152	26926	5.111	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 102.200%	
Target Compounds						
					Qvalue	
16) Methylene chloride	3.033	84	7492	1.093	ug/L	99
19) 1,1-Dichloroethane	3.859	63	9178	0.777	ug/L	93
22) cis-1,2-Dichloroethene	4.653	96	133118	21.895	ug/L	99
27) 1,2-Dichloroethane	5.798	62	2938	0.422	ug/L #	76
35) Methylcyclohexane	6.682	83	7318	0.752	ug/L #	16
37) 1,2-Dichloropropane	6.682	63	3689	0.547	ug/L #	90
61) 1,2,3-Trichloropropane	11.743	75	921	0.289	ug/L #	56
63) 1,2,4-Trimethylbenzene	11.466	105	1778	0.093	ug/L	89
64) 1,3-Dichlorobenzene	11.740	146	2513	0.226	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	10220	0.943	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	4119	0.407	ug/L	96
68) 1,2-Dibromo-3-chloropr...	13.228	75	43	0.079	ug/L #	4
69) 1,3,5-Trichlorobenzene	13.833	180	331881	40.345	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	331881	52.320	ug/L	97
71) Naphthalene	14.087	128	2079	0.239	ug/L #	83
72) 1,2,3-Trichlorobenzene	14.322	180	59541	11.366	ug/L	99

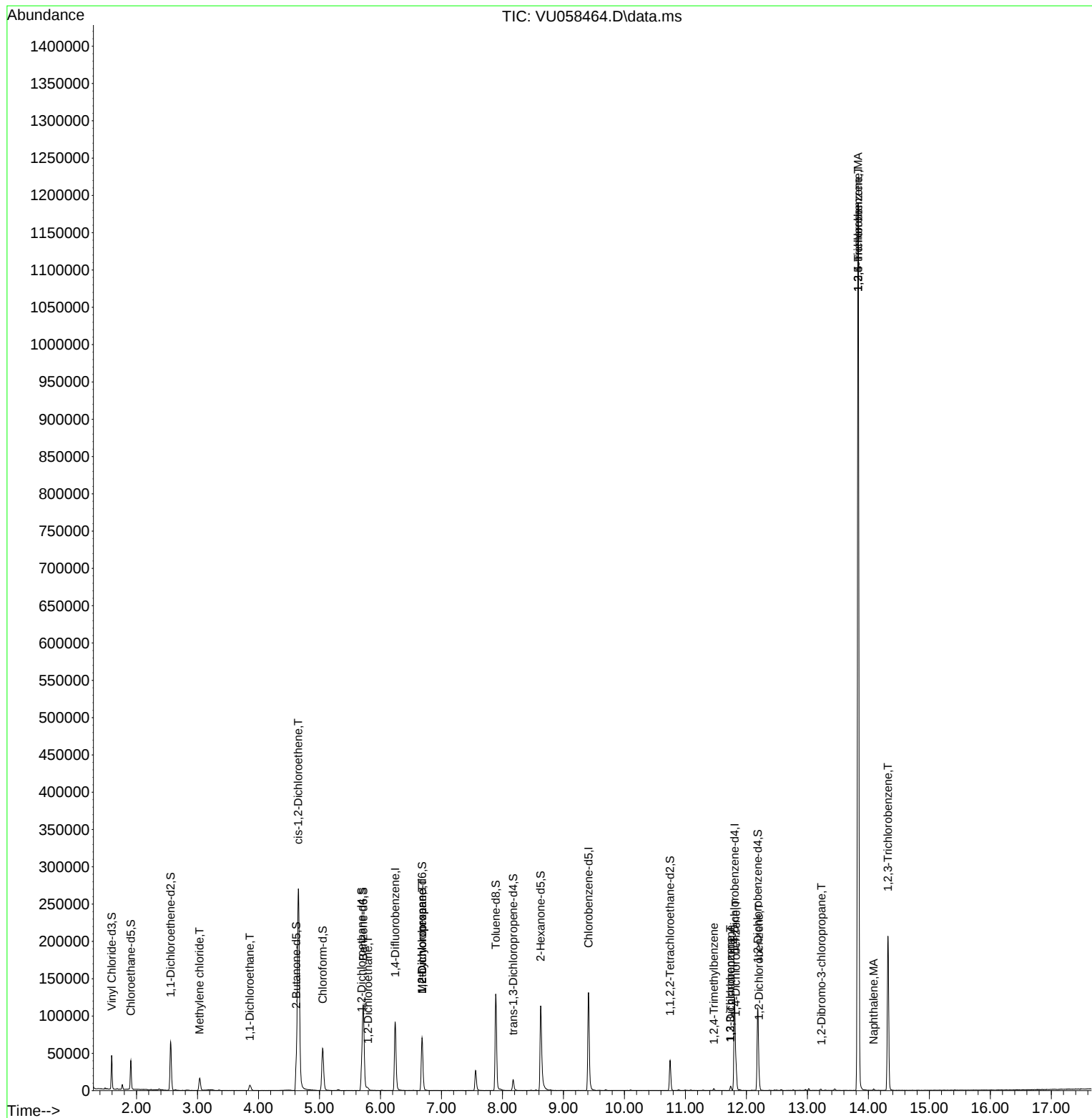
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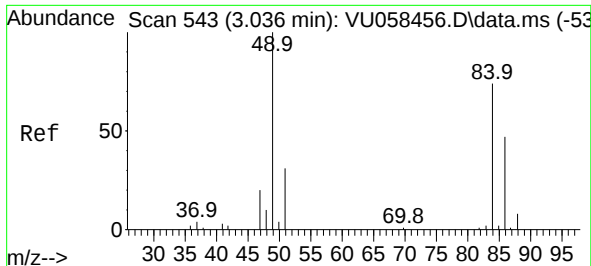
Instrument :
MSVOA_U
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#16

Methylene chloride

Concen: 1.093 ug/L

RT: 3.033 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU058464.D

Acq: 08 Apr 2024 13:23

Instrument :

MSVOA_U

ClientSampleId :

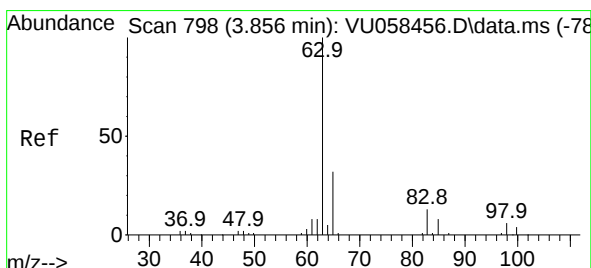
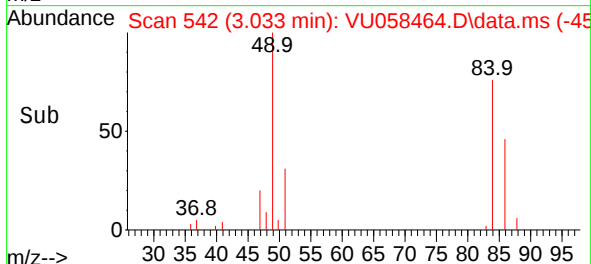
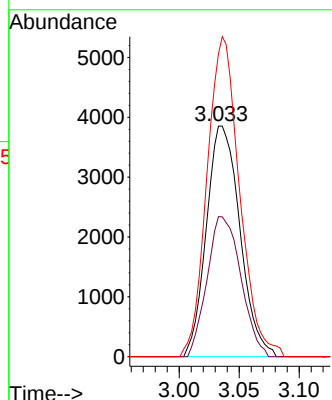
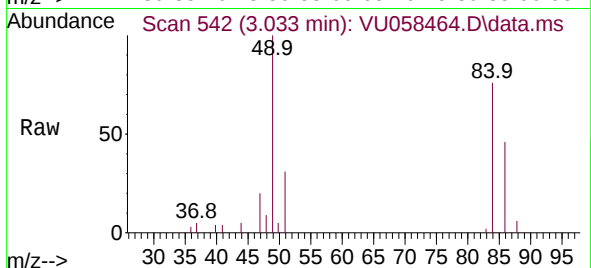
Tgt Ion: 84 Resp: 7492

Ion Ratio Lower Upper

84 100

86 60.7 44.3 82.3

49 137.6 96.0 178.2



#19

1,1-Dichloroethane

Concen: 0.777 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.003 min

Lab File: VU058464.D

Acq: 08 Apr 2024 13:23

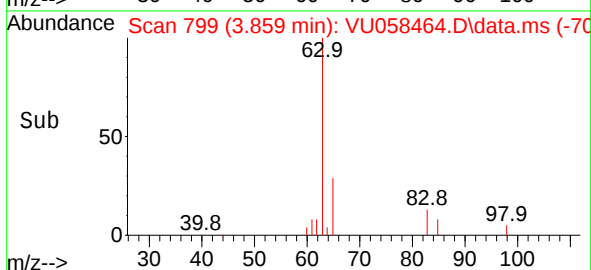
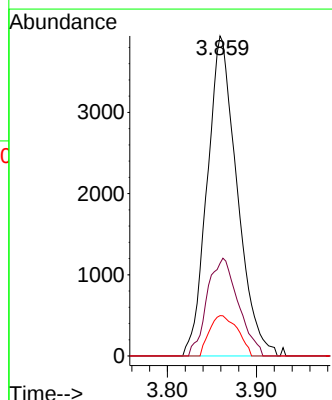
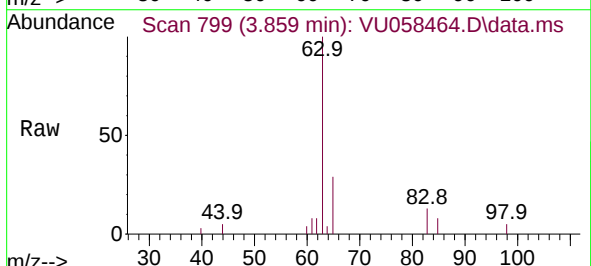
Tgt Ion: 63 Resp: 9178

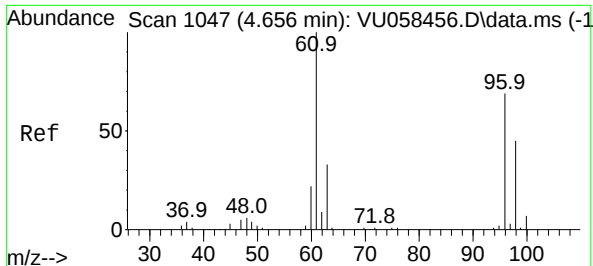
Ion Ratio Lower Upper

63 100

65 27.8 22.9 42.5

83 12.1 9.6 17.8

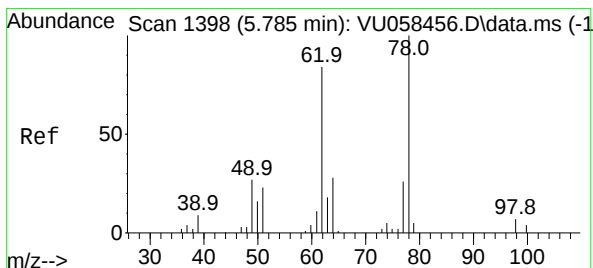
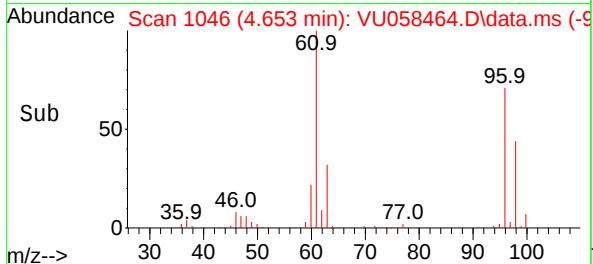
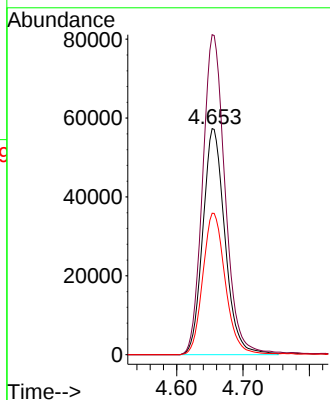
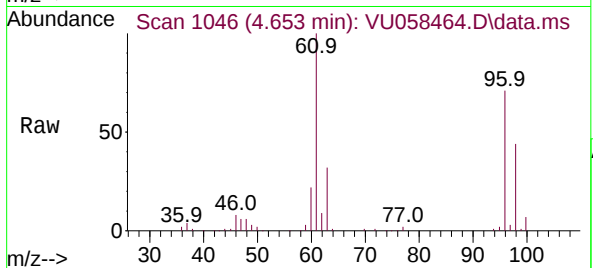




#22
 cis-1,2-Dichloroethene
 Concen: 21.895 ug/L
 RT: 4.653 min Scan# 1
 Delta R.T. -0.003 min
 Lab File: VU058464.D
 Acq: 08 Apr 2024 13:23

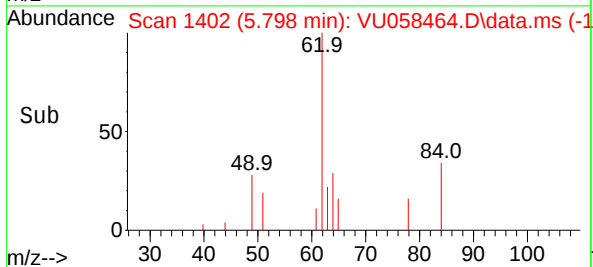
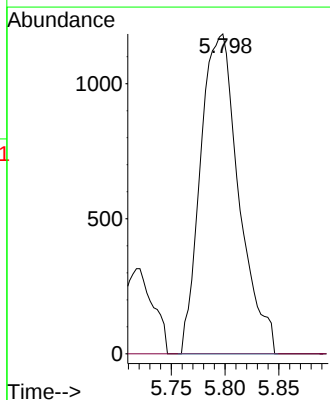
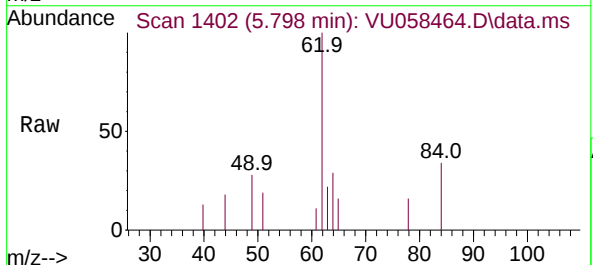
Instrument :
 MSVOA_U
 ClientSampleId :

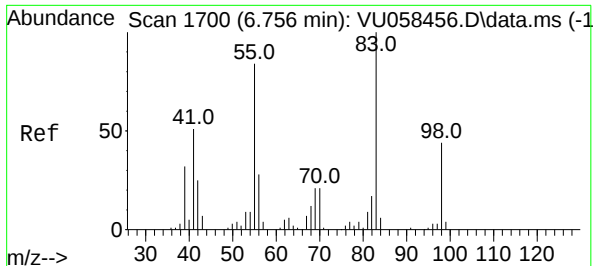
Tgt Ion: 96 Resp: 133118
 Ion Ratio Lower Upper
 96 100
 61 141.5 98.1 182.3
 98 62.6 43.6 81.0



#27
 1,2-Dichloroethane
 Concen: 0.422 ug/L
 RT: 5.798 min Scan# 1402
 Delta R.T. 0.013 min
 Lab File: VU058464.D
 Acq: 08 Apr 2024 13:23

Tgt Ion: 62 Resp: 2938
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.0 10.4#





#35

Methylcyclohexane

Concen: 0.752 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU058464.D

Acq: 08 Apr 2024 13:23

Instrument :

MSVOA_U

ClientSampleId :

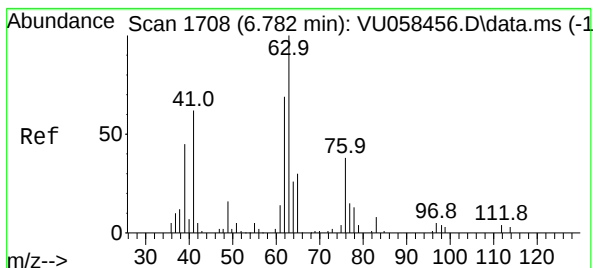
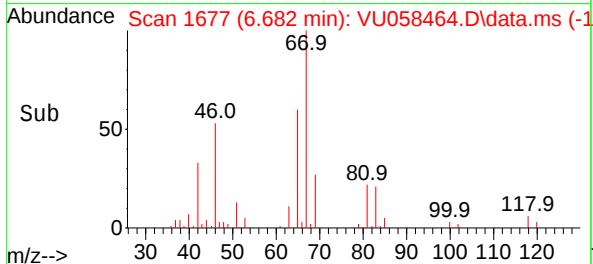
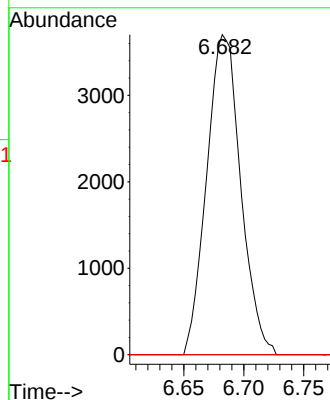
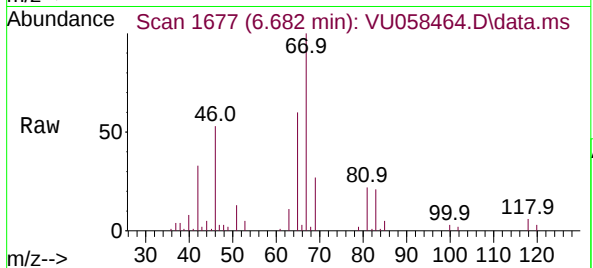
Tgt Ion: 83 Resp: 7318

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: 0.547 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.100 min

Lab File: VU058464.D

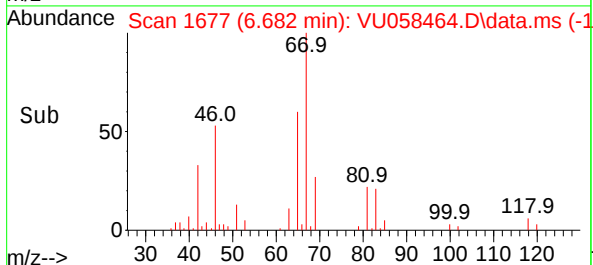
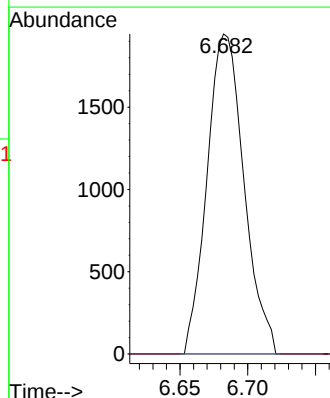
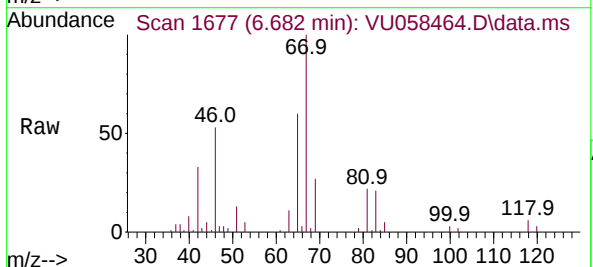
Acq: 08 Apr 2024 13:23

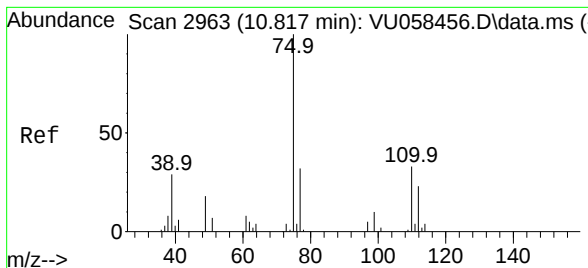
Tgt Ion: 63 Resp: 3689

Ion Ratio Lower Upper

63 100

112 0.0 2.6 4.0#





#61

1,2,3-Trichloropropane

Concen: 0.289 ug/L

RT: 11.743 min Scan# 3165

Delta R.T. 0.926 min

Lab File: VU058464.D

Acq: 08 Apr 2024 13:23

Instrument :

MSVOA_U

ClientSampleId :

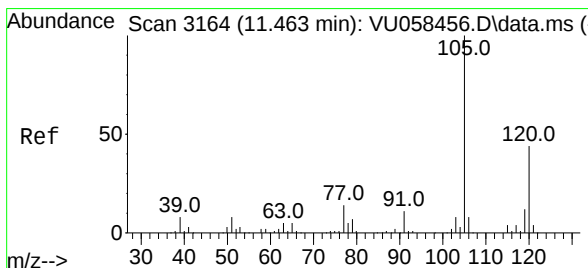
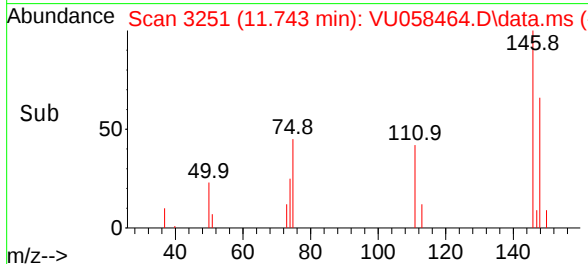
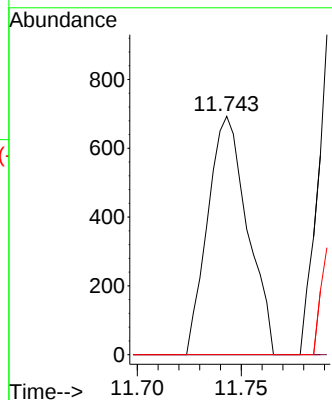
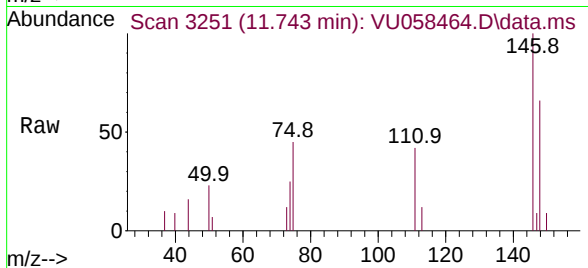
Tgt Ion: 75 Resp: 921

Ion Ratio Lower Upper

75 100

110 0.0 25.8 38.6#

77 14.9 25.1 37.7#



#63

1,2,4-Trimethylbenzene

Concen: 0.093 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU058464.D

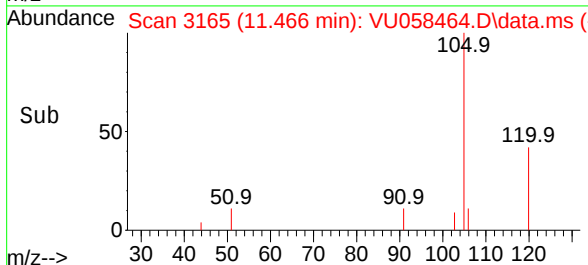
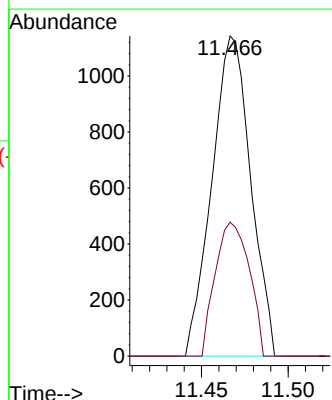
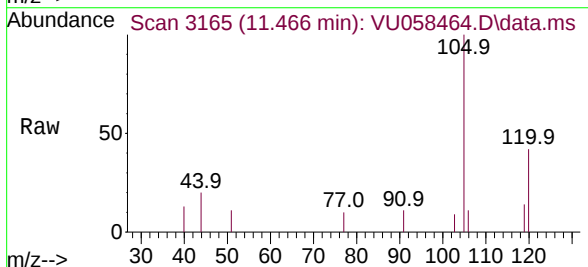
Acq: 08 Apr 2024 13:23

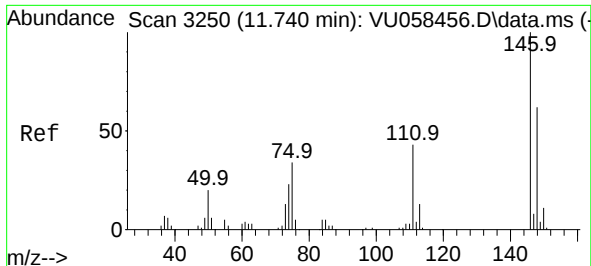
Tgt Ion: 105 Resp: 1778

Ion Ratio Lower Upper

105 100

120 36.6 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 0.226 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

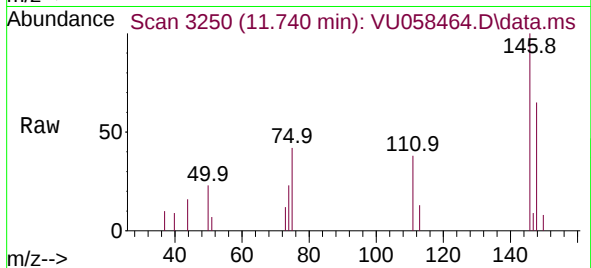
Lab File: VU058464.D

Acq: 08 Apr 2024 13:23

Instrument :

MSVOA_U

ClientSampleId :



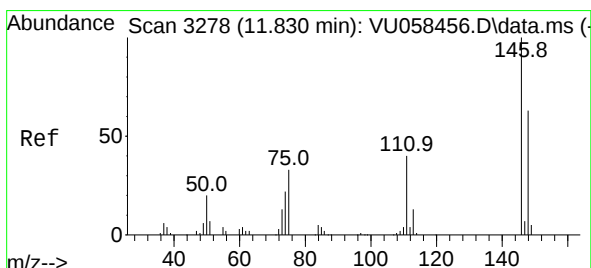
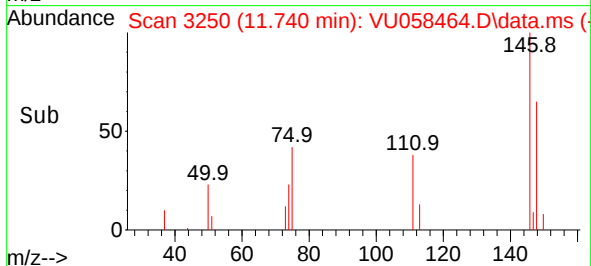
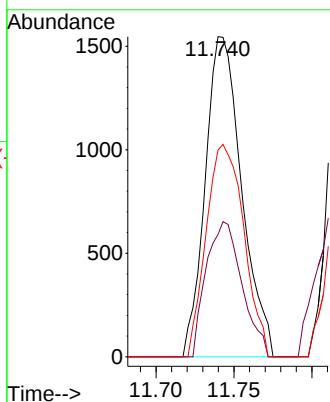
Tgt Ion:146 Resp: 2513

Ion Ratio Lower Upper

146 100

111 38.2 28.8 53.4

148 64.6 44.9 83.3



#65

1,4-Dichlorobenzene

Concen: 0.943 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU058464.D

Acq: 08 Apr 2024 13:23

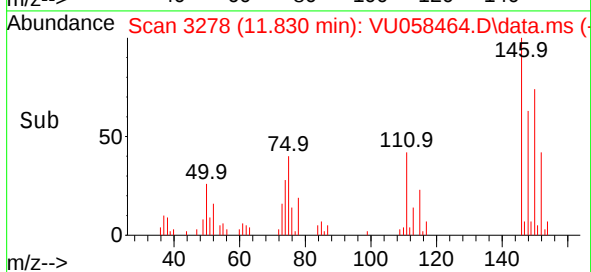
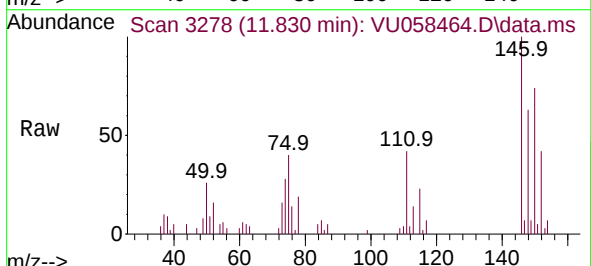
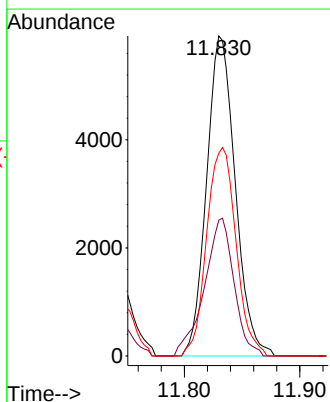
Tgt Ion:146 Resp: 10220

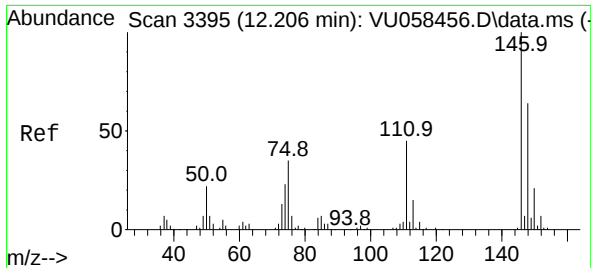
Ion Ratio Lower Upper

146 100

111 42.4 28.8 53.6

148 63.4 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 0.407 ug/L

RT: 12.206 min Scan# 3119

Delta R.T. 0.000 min

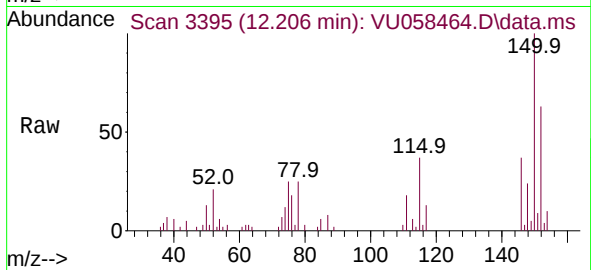
Lab File: VU058464.D

Acq: 08 Apr 2024 13:23

Instrument :

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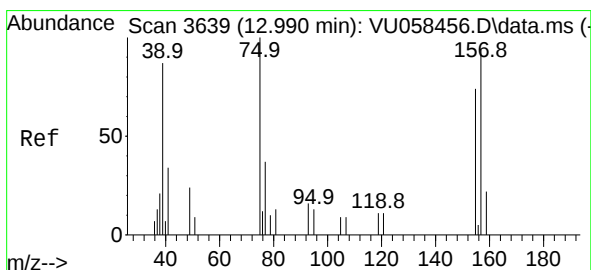
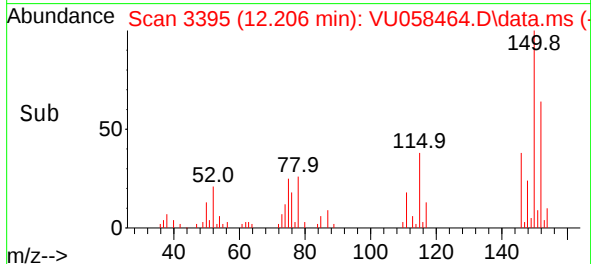
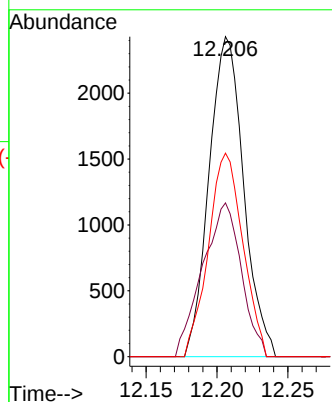
Tgt Ion:146 Resp: 4119

Ion Ratio Lower Upper

146 100

111 48.0 35.0 52.4

148 63.6 52.5 78.7



#68

1,2-Dibromo-3-chloropropane

Concen: 0.079 ug/L

RT: 13.228 min Scan# 3713

Delta R.T. 0.238 min

Lab File: VU058464.D

Acq: 08 Apr 2024 13:23

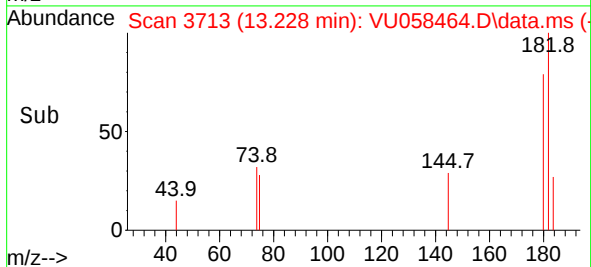
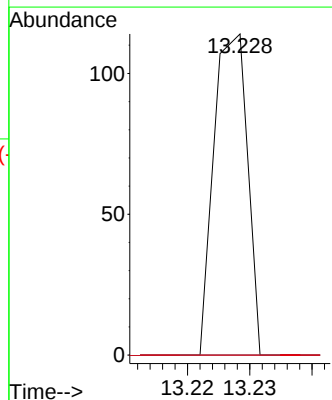
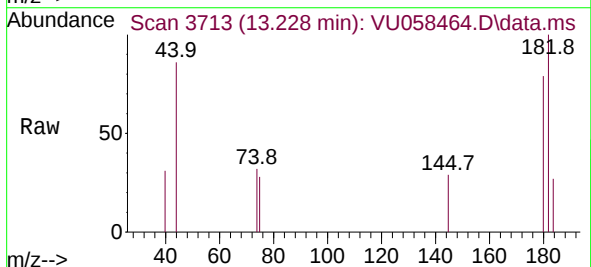
Tgt Ion: 75 Resp: 43

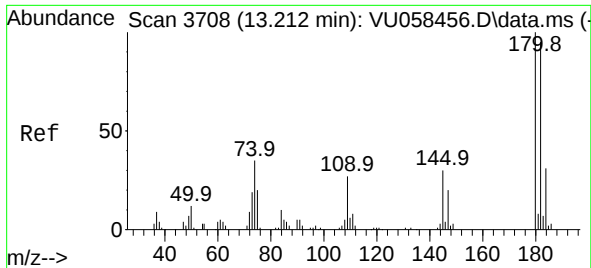
Ion Ratio Lower Upper

75 100

155 0.0 61.4 92.0#

157 0.0 81.7 122.5#





#69

1,3,5-Trichlorobenzene

Concen: 40.345 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.621 min

Lab File: VU058464.D

Acq: 08 Apr 2024 13:23

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 331881

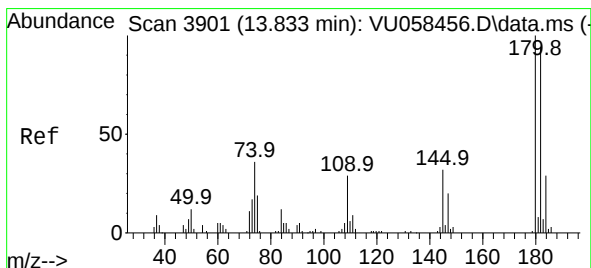
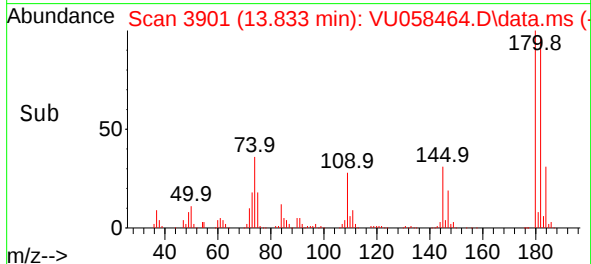
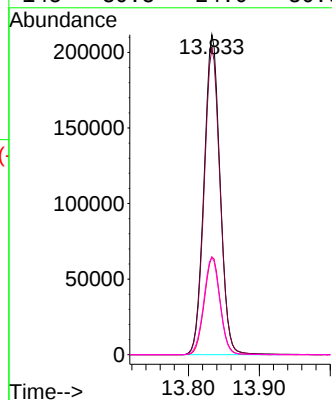
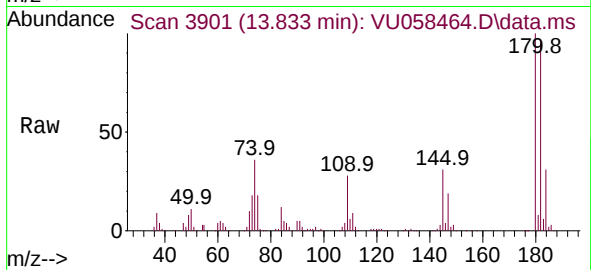
Ion Ratio Lower Upper

180 100

182 95.9 75.7 113.5

184 30.4 24.3 36.5

145 30.8 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 52.320 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU058464.D

Acq: 08 Apr 2024 13:23

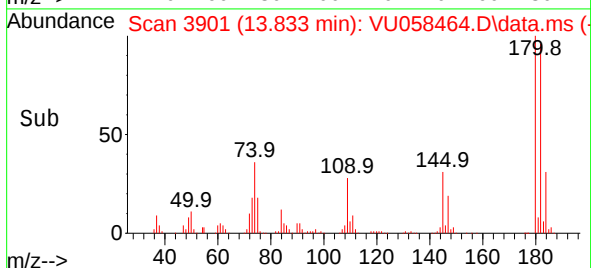
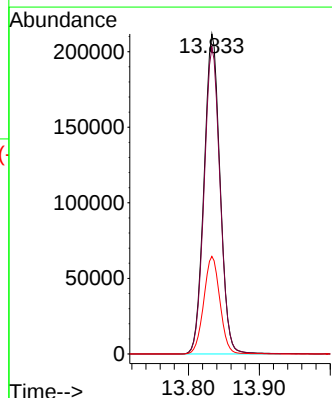
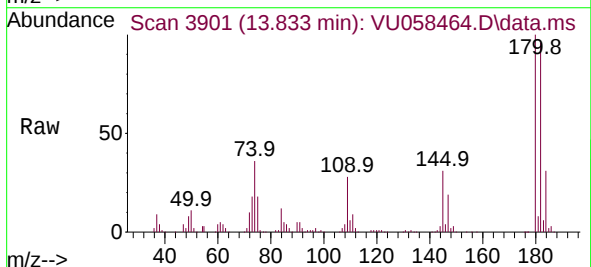
Tgt Ion:180 Resp: 331881

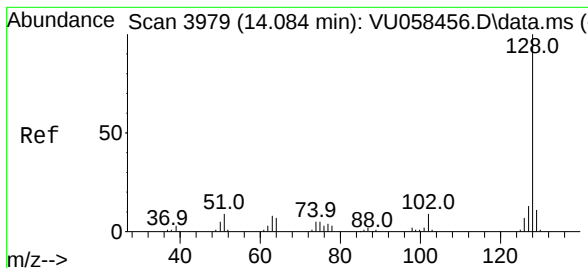
Ion Ratio Lower Upper

180 100

182 95.9 74.4 111.6

145 30.8 24.1 36.1





#71

Naphthalene

Concen: 0.239 ug/L

RT: 14.087 min Scan# 3979

Delta R.T. 0.003 min

Lab File: VU058464.D

Acq: 08 Apr 2024 13:23

Instrument :

MSVOA_U

ClientSampleId :

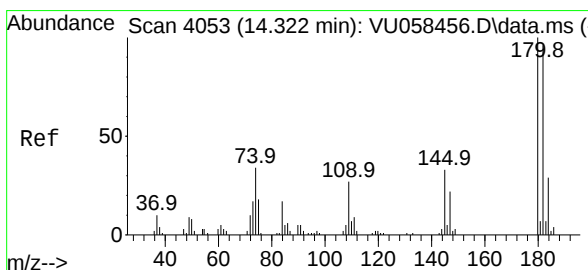
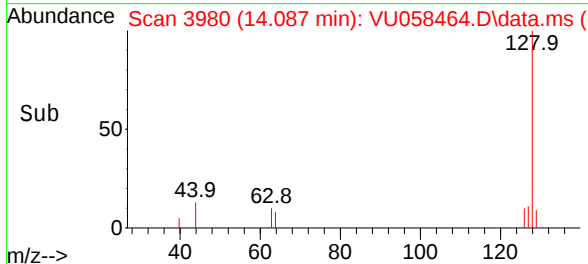
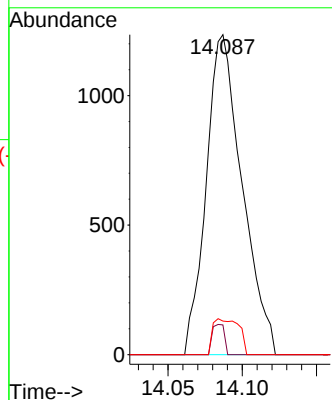
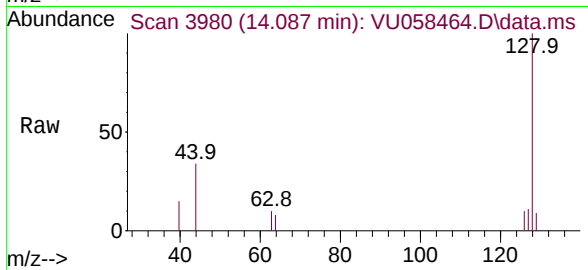
Tgt Ion:128 Resp: 2079

Ion Ratio Lower Upper

128 100

129 3.2 8.6 13.0#

127 8.1 11.0 16.6#



#72

1,2,3-Trichlorobenzene

Concen: 11.366 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU058464.D

Acq: 08 Apr 2024 13:23

Tgt Ion:180 Resp: 59541

Ion Ratio Lower Upper

180 100

182 95.5 75.9 113.9

145 32.5 25.2 37.8

