

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040424\
 Data File : VU058389.D
 Acq On : 05 Apr 2024 00:44
 Operator : MD/SY
 Sample : P1925-21DL 2000X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 05 02:24:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 05 00:02:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	82495	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	76153	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	33654	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	27929	5.114	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.200%
7) Chloroethane-d5	1.908	69	24848	5.235	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.800%
11) 1,1-Dichloroethene-d2	2.560	65	12236	4.950	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.000%
20) 2-Butanone-d5	4.631	46	64682	56.197	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.400%
24) Chloroform-d	5.052	84	56018	5.138	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
26) 1,2-Dichloroethane-d4	5.695	65	28316	5.565	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.400%
32) Benzene-d6	5.718	84	111263	5.427	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.600%
36) 1,2-Dichloropropane-d6	6.682	67	35662	5.546	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.000%
41) Toluene-d8	7.891	98	90155	4.958	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
43) trans-1,3-Dichloroprop...	8.177	79	10334	5.178	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.600%
46) 2-Hexanone-d5	8.631	63	43420	52.746	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.500%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	23516	5.181	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	29327	5.174	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.400%
Target Compounds						
					Qvalue	
16) Methylene chloride	3.036	84	2037	0.263	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	30069	4.370	ug/L	99
34) Trichloroethene	6.538	95	3058	0.439	ug/L	89
37) 1,2-Dichloropropane	6.682	63	4055	0.558	ug/L #	90
42) Toluene	7.962	91	101123	3.492	ug/L	98
47) Tetrachloroethene	8.547	164	12320	2.415	ug/L	100
49) Dibromochloromethane	8.547	129	11637	2.373	ug/L #	11
51) Chlorobenzene	9.441	112	6696	0.382	ug/L	95
52) Ethylbenzene	9.570	91	4022	0.131	ug/L	92
53) m,p-Xylene	9.689	106	5466	0.498	ug/L	93
54) o-Xylene	10.097	106	1778	0.165	ug/L	97
61) 1,2,3-Trichloropropane	11.743	75	923	0.269	ug/L #	65
63) 1,2,4-Trimethylbenzene	11.467	105	2093	0.102	ug/L	97
64) 1,3-Dichlorobenzene	11.743	146	3201	0.267	ug/L	92
65) 1,4-Dichlorobenzene	11.830	146	16838	1.444	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	4770	0.438	ug/L	98
69) 1,3,5-Trichlorobenzene	13.836	180	46007	5.199	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	46007	6.742	ug/L	97
72) 1,2,3-Trichlorobenzene	14.325	180	7681	1.363	ug/L	97

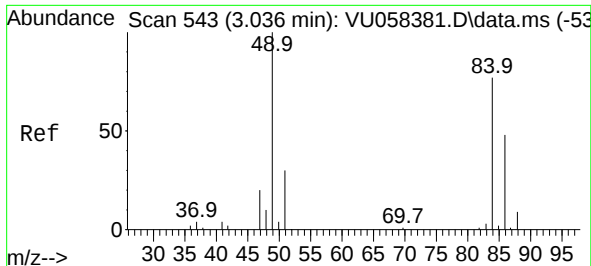
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040424\
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QLast Update : Fri Apr 05 00:02:56 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#16

Methylene chloride

Concen: 0.263 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.000 min

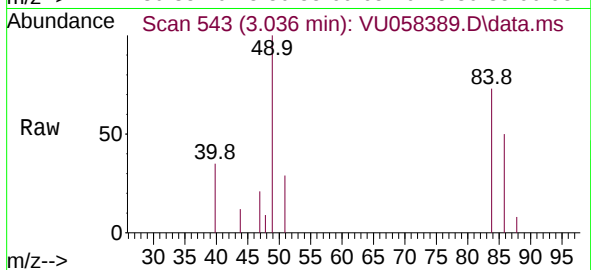
Lab File: VU058389.D

Acq: 05 Apr 2024 00:44

Instrument :

MSVOA_U

ClientSampleId :



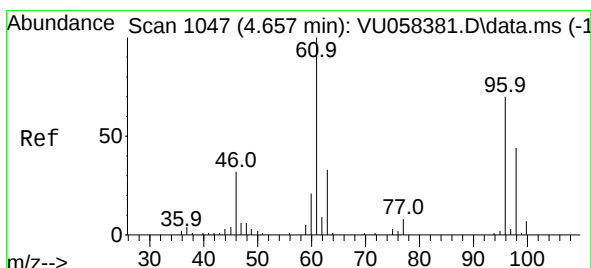
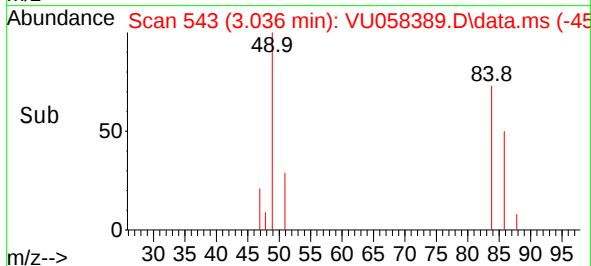
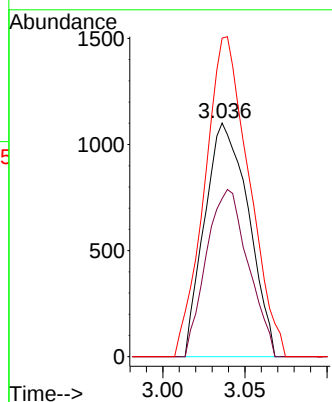
Tgt Ion: 84 Resp: 2037

Ion Ratio Lower Upper

84 100

86 67.7 44.3 82.3

49 136.3 96.0 178.2



#22

cis-1,2-Dichloroethene

Concen: 4.370 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.000 min

Lab File: VU058389.D

Acq: 05 Apr 2024 00:44

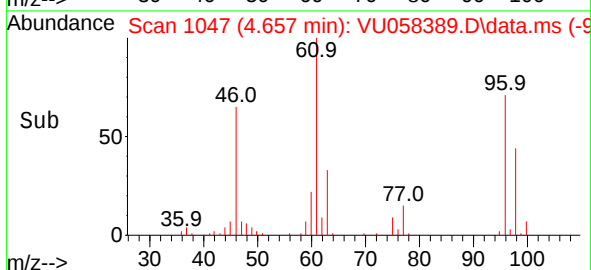
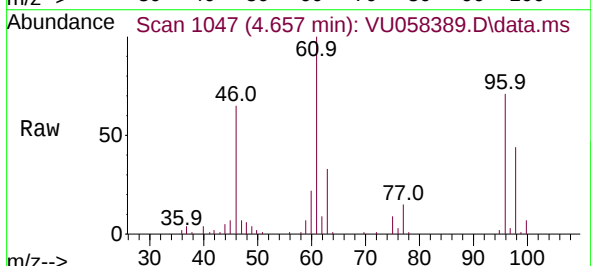
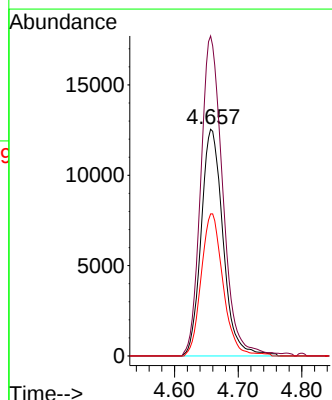
Tgt Ion: 96 Resp: 30069

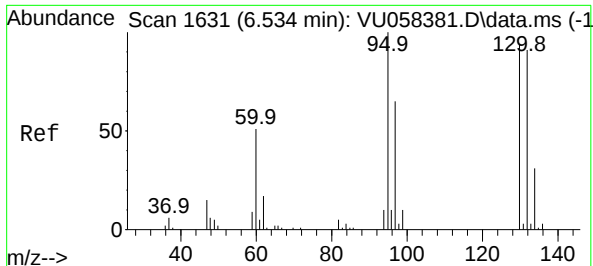
Ion Ratio Lower Upper

96 100

61 141.2 98.1 182.3

98 62.7 43.6 81.0





#34

Trichloroethene

Concen: 0.439 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU058389.D

Acq: 05 Apr 2024 00:44

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 3058

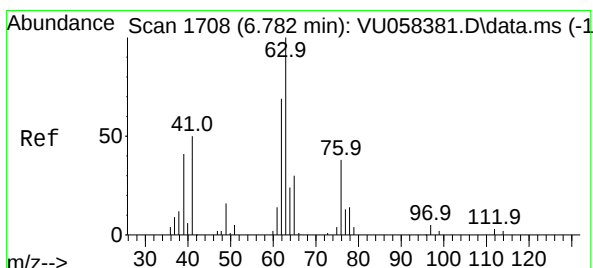
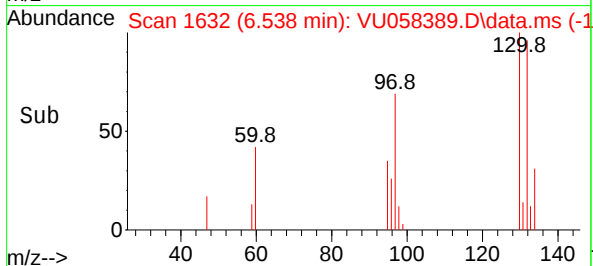
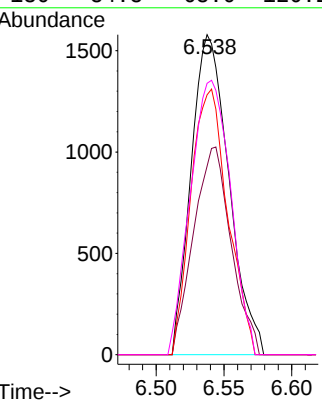
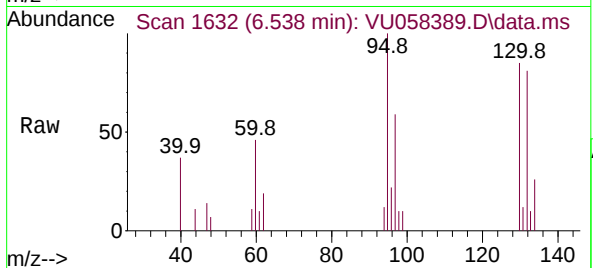
Ion Ratio Lower Upper

95 100

97 58.9 45.6 84.6

132 81.2 64.8 120.3

130 84.8 68.0 126.2



#37

1,2-Dichloropropane

Concen: 0.558 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.100 min

Lab File: VU058389.D

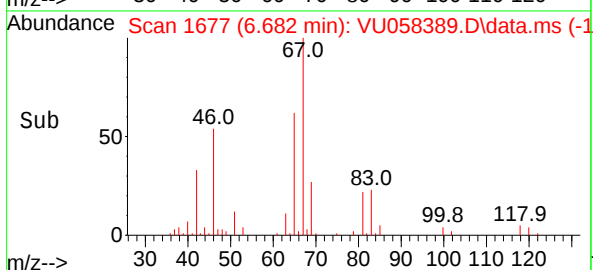
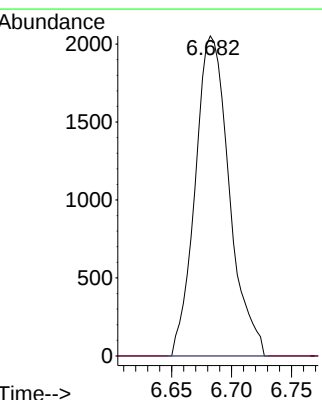
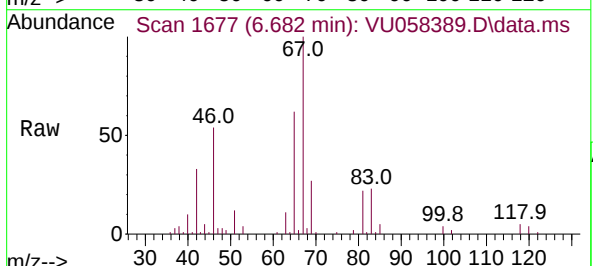
Acq: 05 Apr 2024 00:44

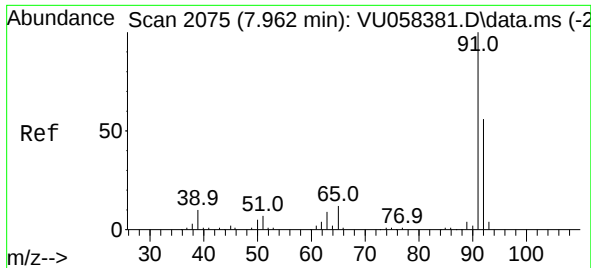
Tgt Ion: 63 Resp: 4055

Ion Ratio Lower Upper

63 100

112 0.0 2.6 4.0#





#42

Toluene

Concen: 3.492 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU058389.D

Acq: 05 Apr 2024 00:44

Instrument :

MSVOA_U

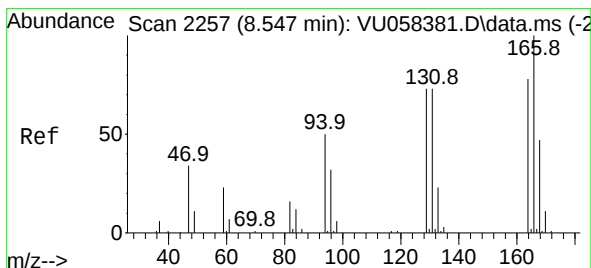
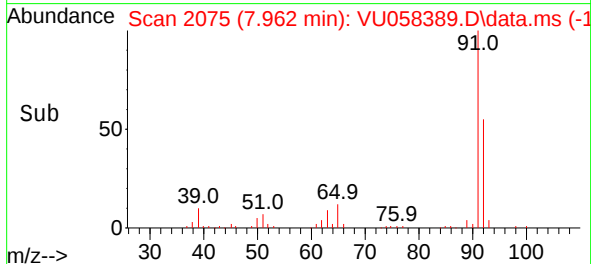
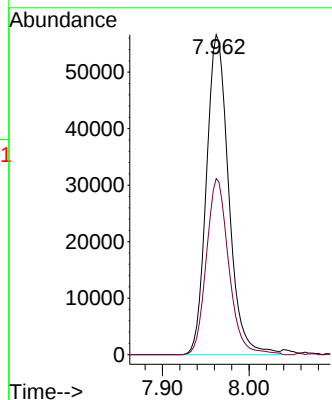
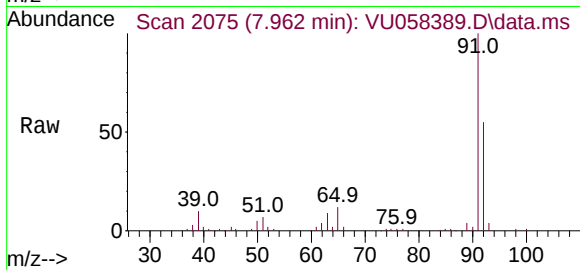
ClientSampleId :

Tgt Ion: 91 Resp: 101123

Ion Ratio Lower Upper

91 100

92 55.1 39.5 73.3



#47

Tetrachloroethene

Concen: 2.415 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU058389.D

Acq: 05 Apr 2024 00:44

Tgt Ion: 164 Resp: 12320

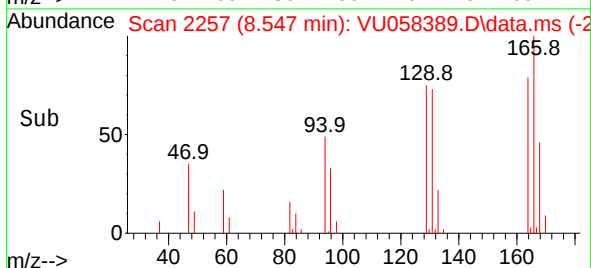
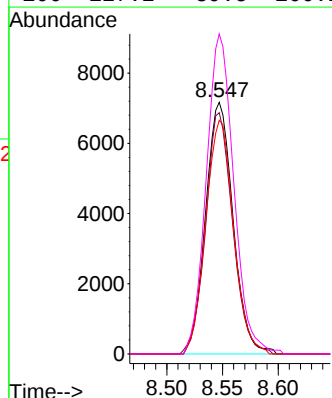
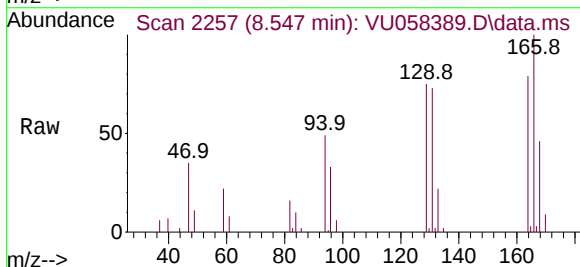
Ion Ratio Lower Upper

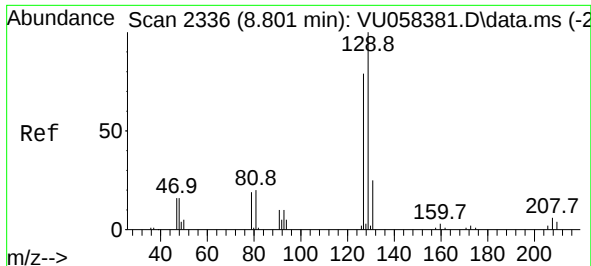
164 100

129 95.9 67.3 125.1

131 92.9 65.5 121.6

166 127.2 89.5 166.1





#49

Dibromochloromethane

Concen: 2.373 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU058389.D

Acq: 05 Apr 2024 00:44

Instrument :

MSVOA_U

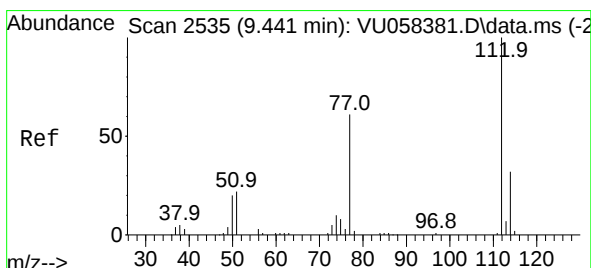
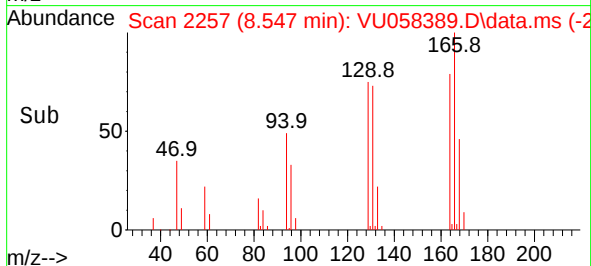
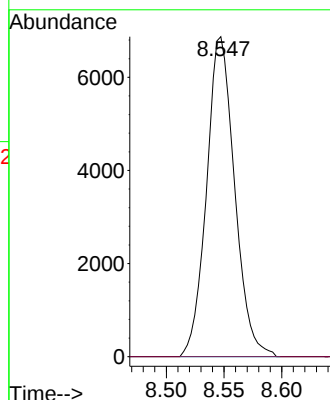
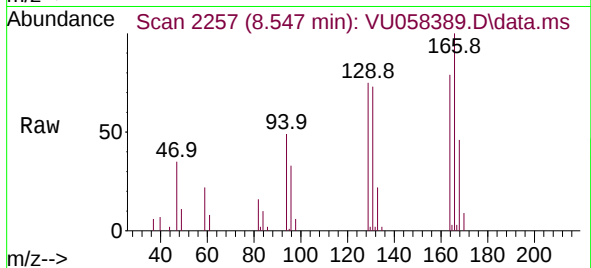
ClientSampleId :

Tgt Ion:129 Resp: 11637

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#



#51

Chlorobenzene

Concen: 0.382 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU058389.D

Acq: 05 Apr 2024 00:44

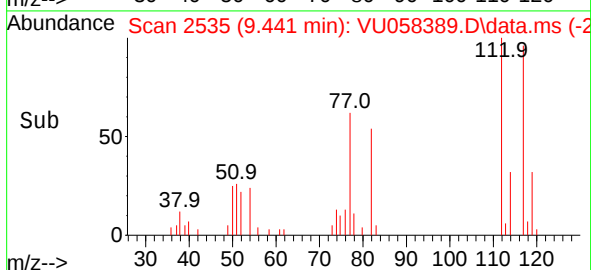
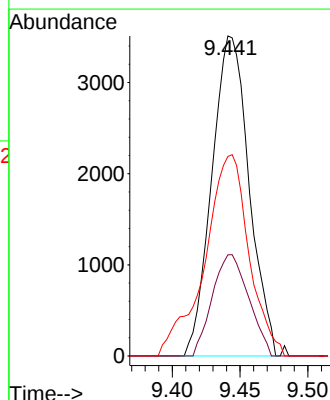
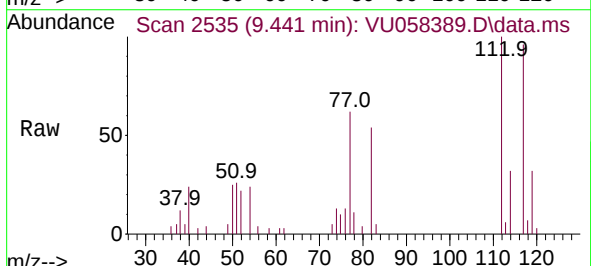
Tgt Ion:112 Resp: 6696

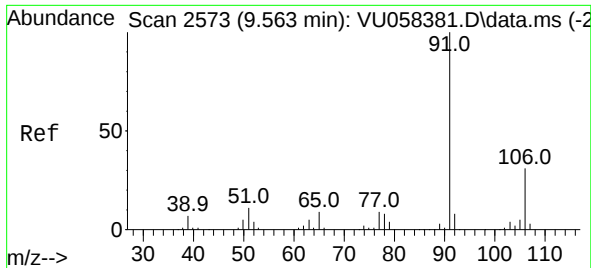
Ion Ratio Lower Upper

112 100

114 29.8 22.4 41.6

77 58.8 50.1 75.1





#52

Ethylbenzene

Concen: 0.131 ug/L

RT: 9.570 min Scan# 2575

Delta R.T. 0.006 min

Lab File: VU058389.D

Acq: 05 Apr 2024 00:44

Instrument :

MSVOA_U

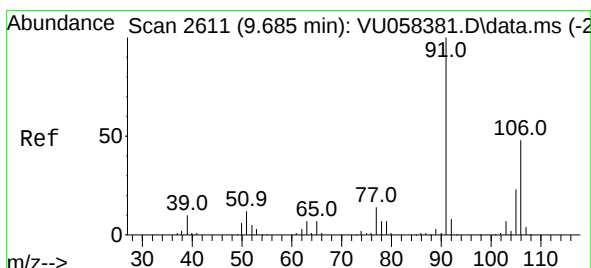
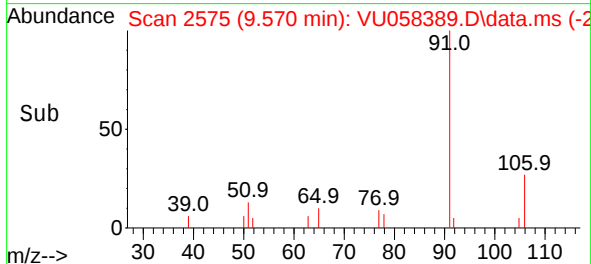
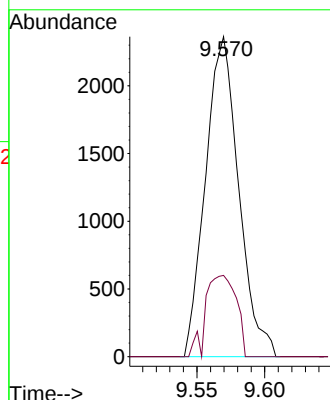
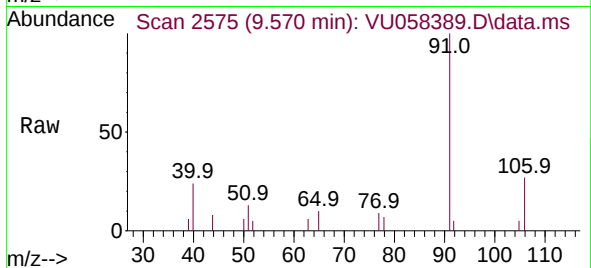
ClientSampleId :

Tgt Ion: 91 Resp: 4022

Ion Ratio Lower Upper

91 100

106 25.4 20.6 38.4



#53

m,p-Xylene

Concen: 0.498 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.003 min

Lab File: VU058389.D

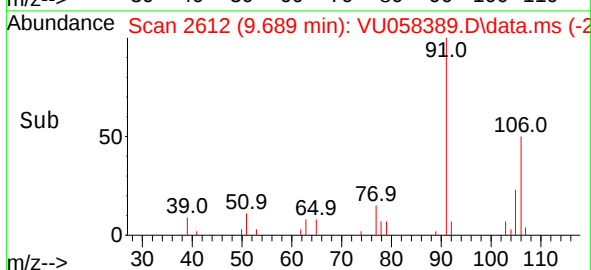
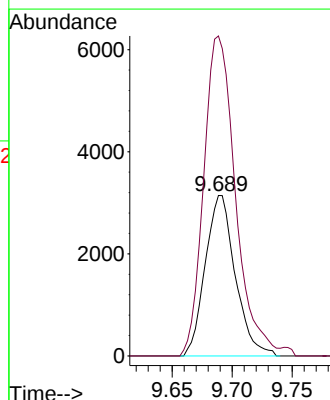
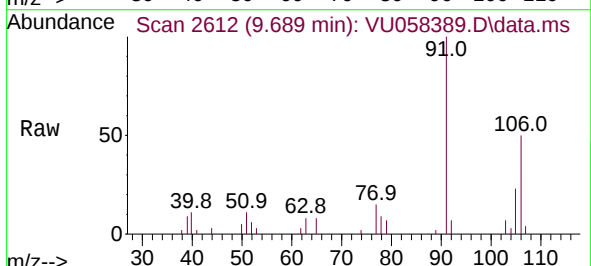
Acq: 05 Apr 2024 00:44

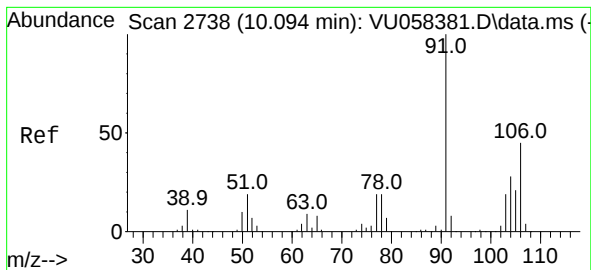
Tgt Ion:106 Resp: 5466

Ion Ratio Lower Upper

106 100

91 199.5 147.8 274.4





#54

o-Xylene

Concen: 0.165 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU058389.D

Acq: 05 Apr 2024 00:44

Instrument :

MSVOA_U

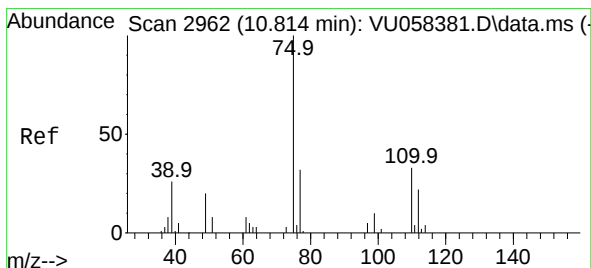
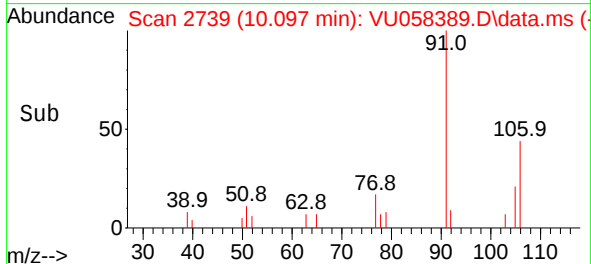
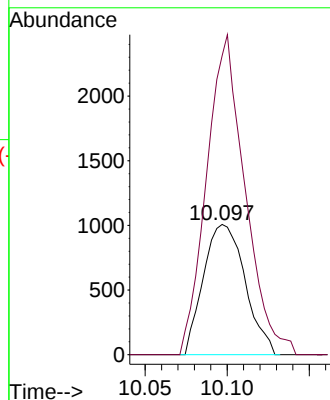
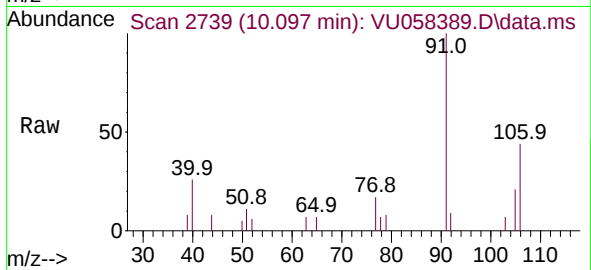
ClientSampleId :

Tgt Ion:106 Resp: 1778

Ion Ratio Lower Upper

106 100

91 229.6 156.9 291.5



#61

1,2,3-Trichloropropane

Concen: 0.269 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.929 min

Lab File: VU058389.D

Acq: 05 Apr 2024 00:44

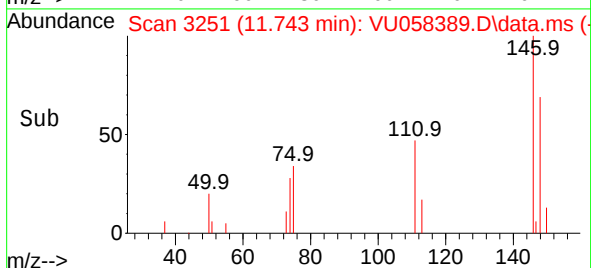
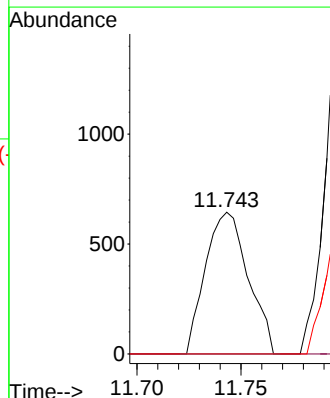
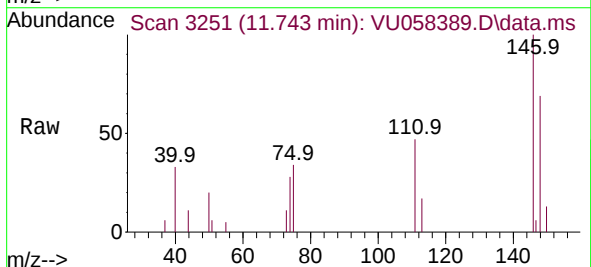
Tgt Ion: 75 Resp: 923

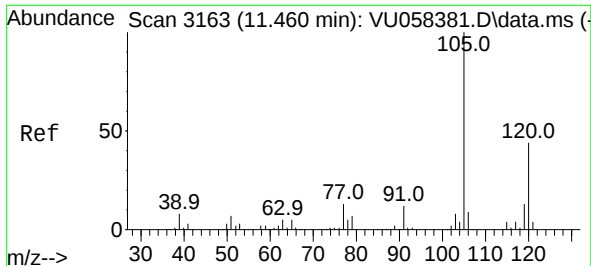
Ion Ratio Lower Upper

75 100

110 0.0 25.8 38.6#

77 24.8 25.1 37.7#





#63

1,2,4-Trimethylbenzene

Concen: 0.102 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.006 min

Lab File: VU058389.D

Acq: 05 Apr 2024 00:44

Instrument :

MSVOA_U

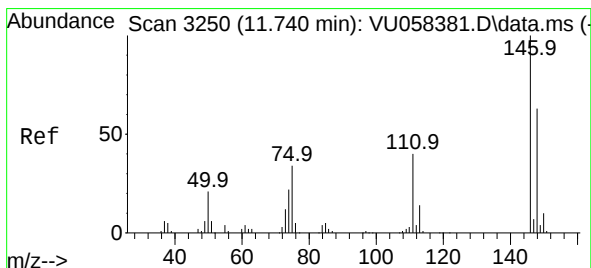
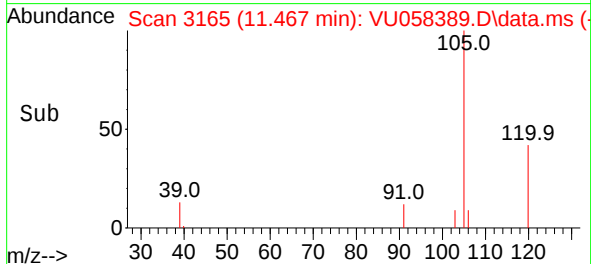
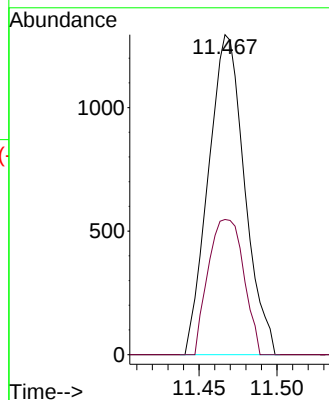
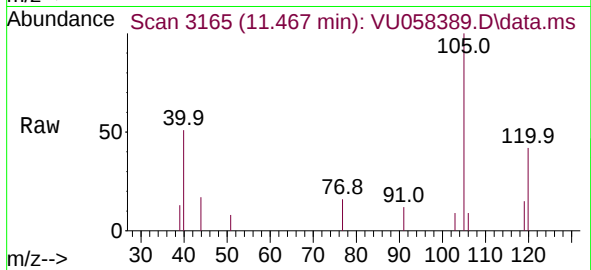
ClientSampleId :

Tgt Ion:105 Resp: 2093

Ion Ratio Lower Upper

105 100

120 41.3 34.7 52.1



#64

1,3-Dichlorobenzene

Concen: 0.267 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.003 min

Lab File: VU058389.D

Acq: 05 Apr 2024 00:44

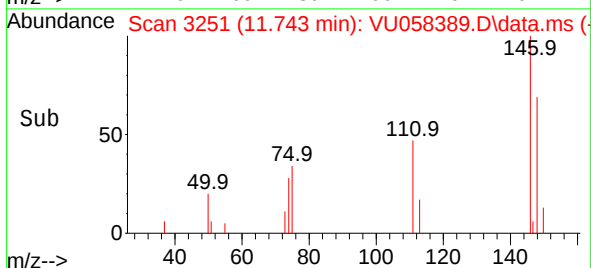
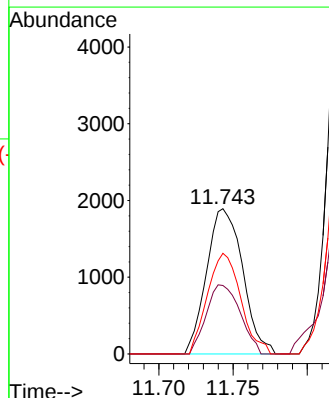
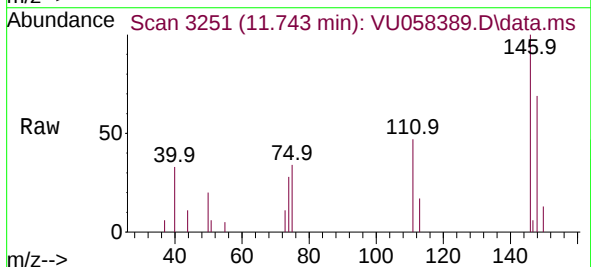
Tgt Ion:146 Resp: 3201

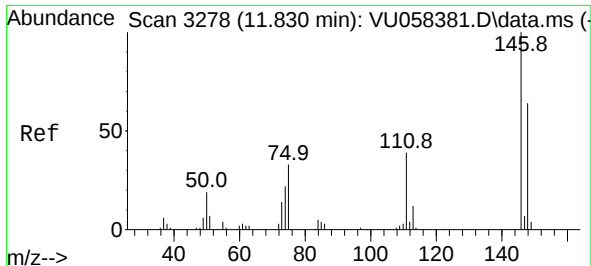
Ion Ratio Lower Upper

146 100

111 47.1 28.8 53.4

148 69.3 44.9 83.3





#65

1,4-Dichlorobenzene

Concen: 1.444 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU058389.D

Acq: 05 Apr 2024 00:44

Instrument :

MSVOA_U

ClientSampleId :

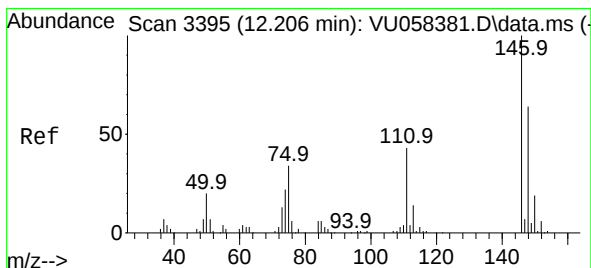
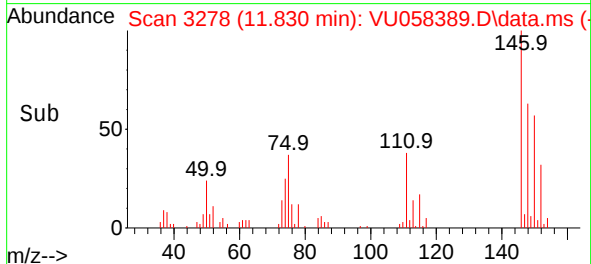
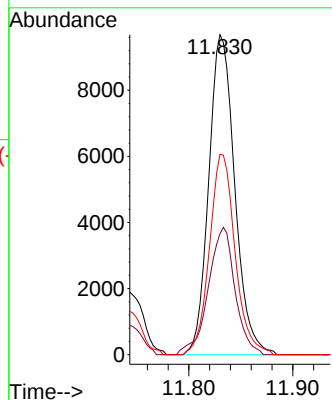
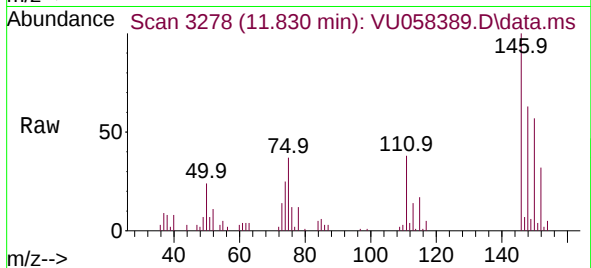
Tgt Ion:146 Resp: 16838

Ion Ratio Lower Upper

146 100

111 37.9 28.8 53.6

148 62.6 45.3 84.1



#67

1,2-Dichlorobenzene

Concen: 0.438 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU058389.D

Acq: 05 Apr 2024 00:44

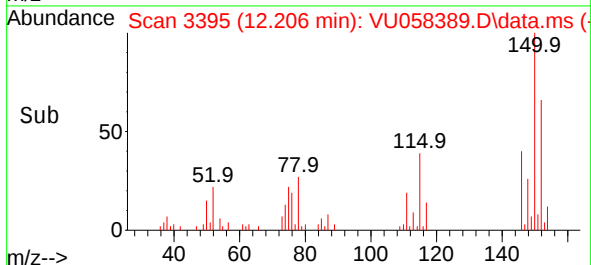
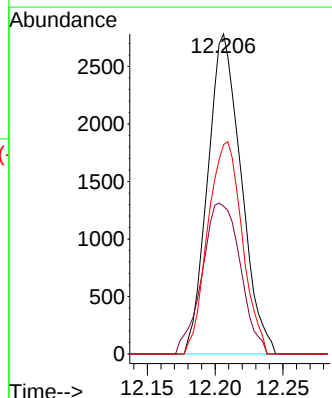
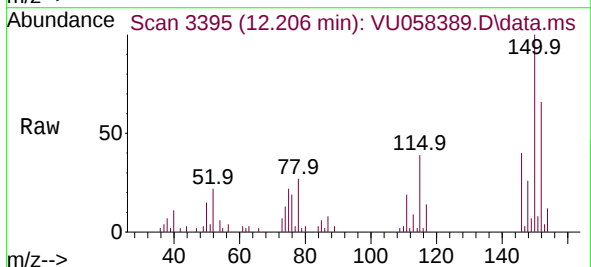
Tgt Ion:146 Resp: 4770

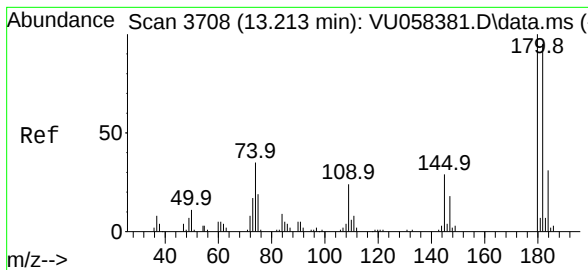
Ion Ratio Lower Upper

146 100

111 46.2 35.0 52.4

148 65.4 52.5 78.7





#69

1,3,5-Trichlorobenzene

Concen: 5.199 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.624 min

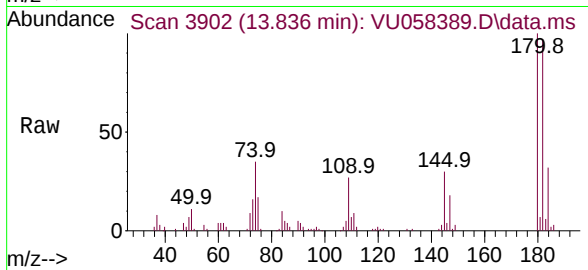
Lab File: VU058389.D

Acq: 05 Apr 2024 00:44

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 46007

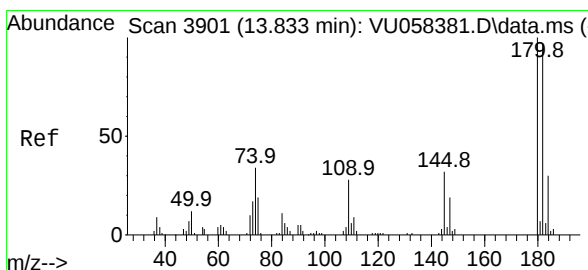
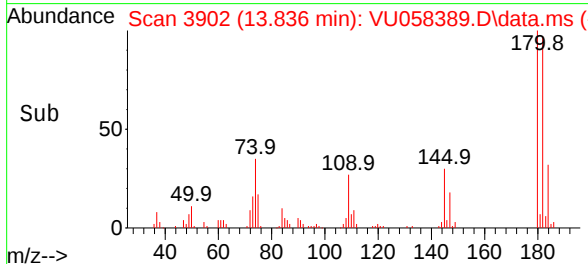
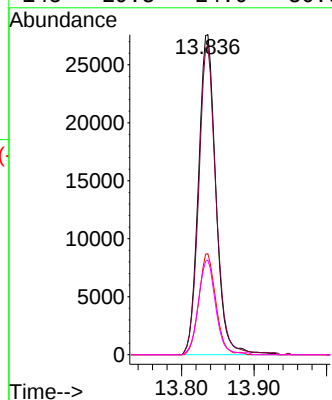
Ion Ratio Lower Upper

180 100

182 96.1 75.7 113.5

184 30.5 24.3 36.5

145 29.3 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 6.742 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU058389.D

Acq: 05 Apr 2024 00:44

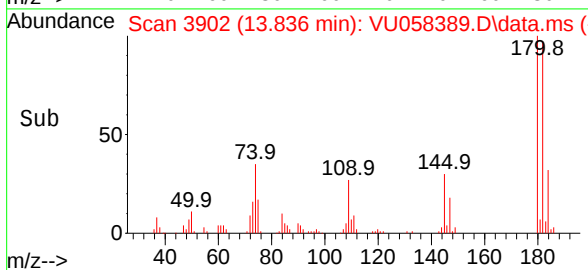
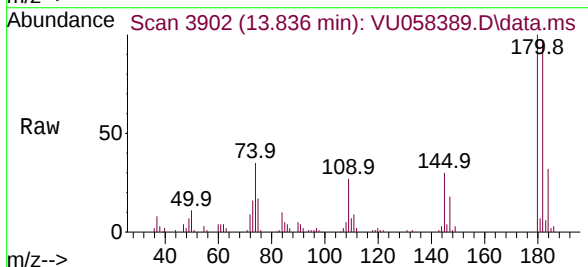
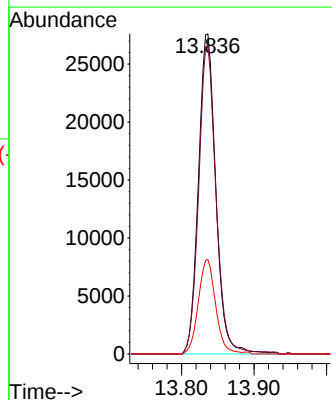
Tgt Ion:180 Resp: 46007

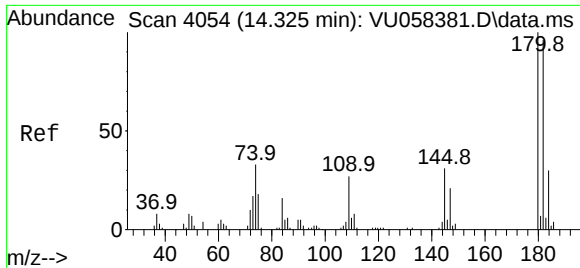
Ion Ratio Lower Upper

180 100

182 96.1 74.4 111.6

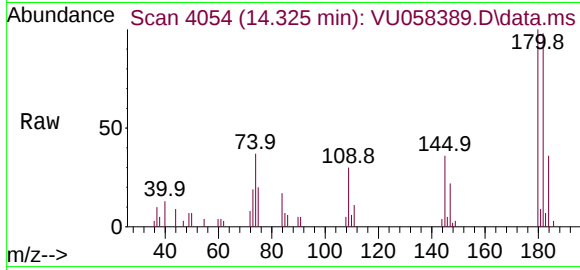
145 29.3 24.1 36.1





#72
 1,2,3-Trichlorobenzene
 Concen: 1.363 ug/L
 RT: 14.325 min Scan# 4054
 Delta R.T. -0.000 min
 Lab File: VU058389.D
 Acq: 05 Apr 2024 00:44

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	7681
Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.9	113.9
145	34.3	25.2	37.8

