

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121123\
 Data File : VU056757.D
 Acq On : 12 Dec 2023 01:46
 Operator : MD/SY
 Sample : 05675-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AA6

Quant Time: Dec 12 05:03:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 12 02:01:50 2023
 Response via : Initial Calibration

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

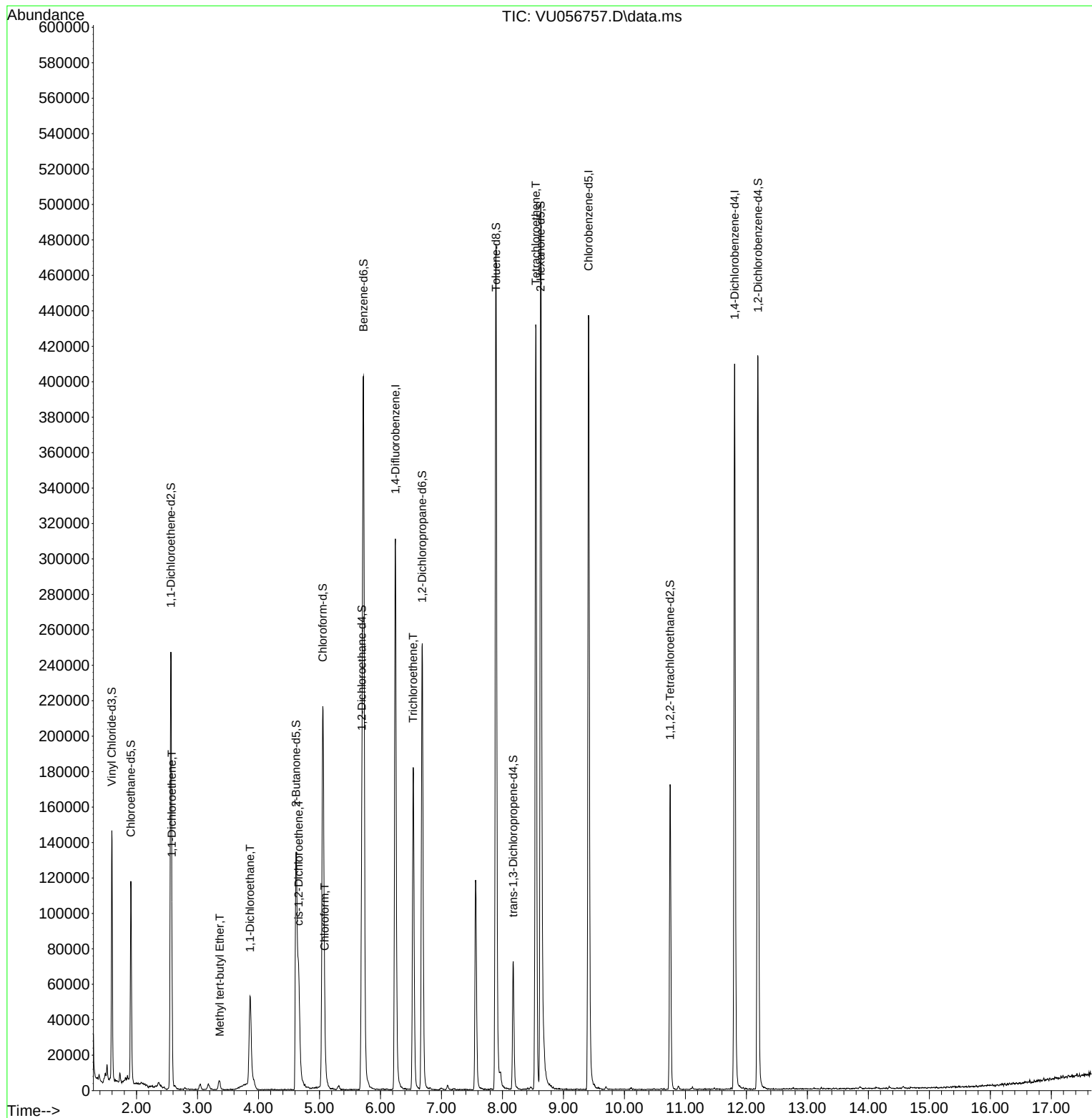
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	252230	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	257936	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	106698	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	101586	4.699	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	94.000%	
7) Chloroethane-d5	1.907	69	84608	5.230	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	104.600%	
11) 1,1-Dichloroethene-d2	2.563	65	44517	4.812	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	96.200%	
20) 2-Butanone-d5	4.618	46	217527	50.947	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	101.900%	
24) Chloroform-d	5.055	84	203449	4.969	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	99.400%	
26) 1,2-Dichloroethane-d4	5.695	65	96140	4.962	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	99.200%	
32) Benzene-d6	5.721	84	394578	4.932	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	98.600%	
36) 1,2-Dichloropropane-d6	6.682	67	124858	4.986	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	99.800%	
41) Toluene-d8	7.894	98	334049	4.672	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	93.400%	
43) trans-1,3-Dichloroprop...	8.177	79	44013	4.532	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	90.600%	
46) 2-Hexanone-d5	8.627	63	172080	46.983	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	93.960%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	87789	4.845	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	97.000%	
66) 1,2-Dichlorobenzene-d4	12.190	152	109553	5.223	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	104.400%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.579	96	10691	0.522	ug/L #	1
17) Methyl tert-butyl Ether	3.364	73	5422	0.119	ug/L #	90
19) 1,1-Dichloroethane	3.862	63	57439	1.438	ug/L	95
22) cis-1,2-Dichloroethene	4.660	96	23050	1.020	ug/L	99
25) Chloroform	5.087	83	22737	0.543	ug/L	96
34) Trichloroethene	6.537	95	64497	2.594	ug/L	98
47) Tetrachloroethene	8.550	164	94689	5.441	ug/L	97

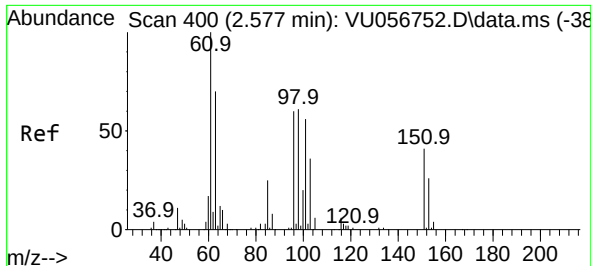
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.522 ug/L

RT: 2.579 min Scan# 401

Delta R.T. 0.003 min

Lab File: VU056757.D

Acq: 12 Dec 2023 01:46

Instrument :

MSVOA_U

ClientSampleId :

H0AA6

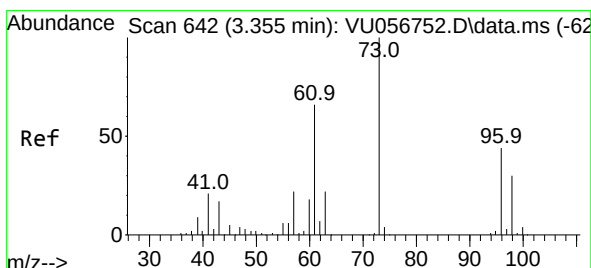
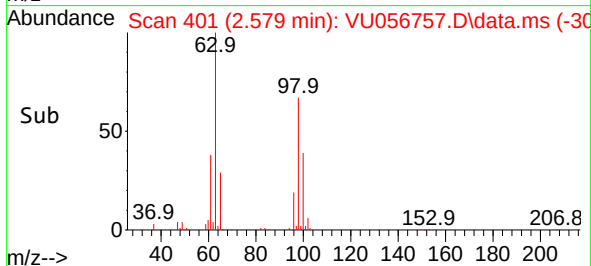
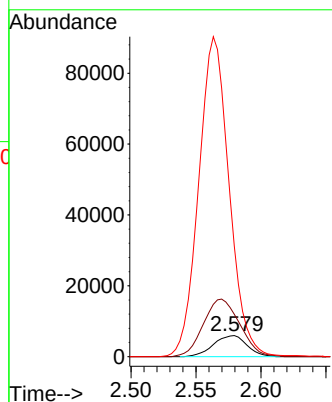
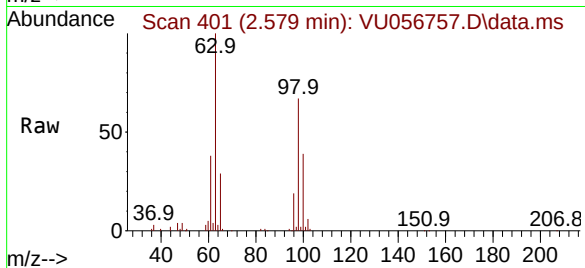
Tgt Ion: 96 Resp: 10691

Ion Ratio Lower Upper

96 100

61 200.5 119.0 221.0

63 523.5 88.7 164.7#



#17

Methyl tert-butyl Ether

Concen: 0.119 ug/L

RT: 3.364 min Scan# 645

Delta R.T. 0.009 min

Lab File: VU056757.D

Acq: 12 Dec 2023 01:46

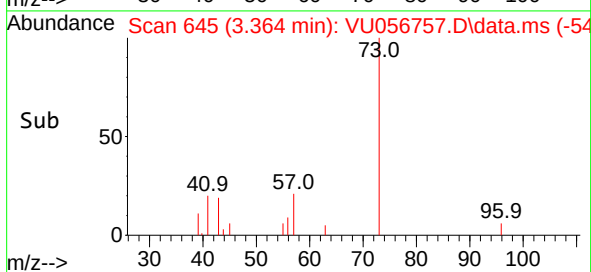
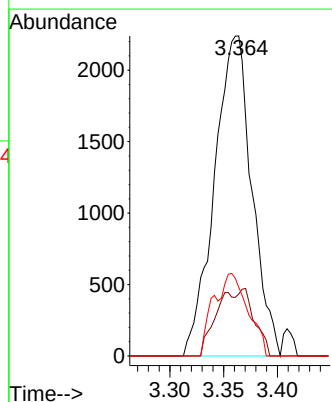
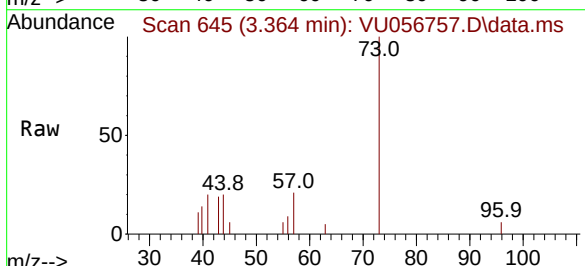
Tgt Ion: 73 Resp: 5422

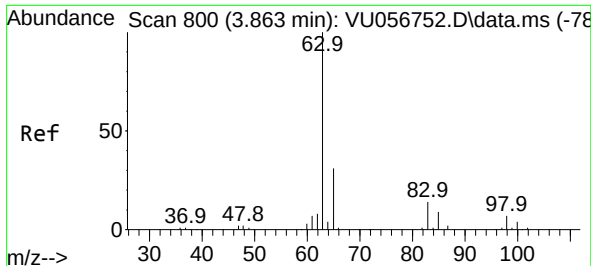
Ion Ratio Lower Upper

73 100

43 9.5 14.4 21.6#

57 23.6 17.8 26.8





#19

1,1-Dichloroethane

Concen: 1.438 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056757.D

Acq: 12 Dec 2023 01:46

Instrument :

MSVOA_U

ClientSampleId :

H0AA6

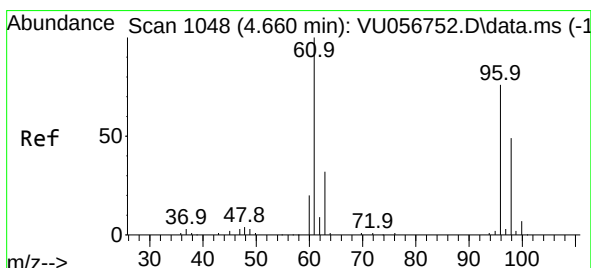
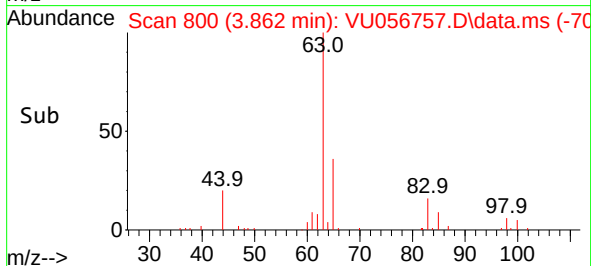
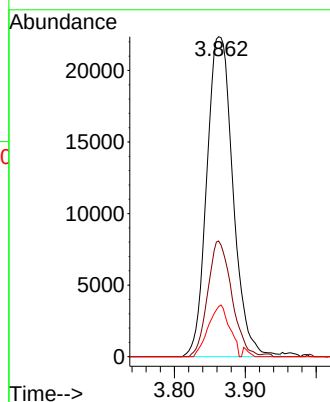
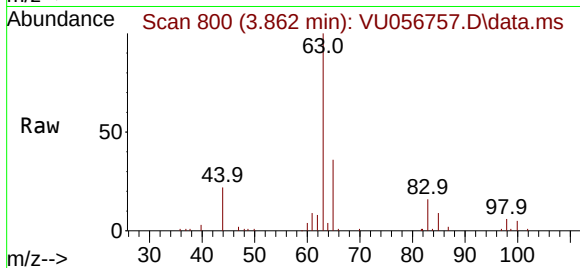
Tgt Ion: 63 Resp: 57439

Ion Ratio Lower Upper

63 100

65 36.2 22.9 42.5

83 15.7 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 1.020 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.000 min

Lab File: VU056757.D

Acq: 12 Dec 2023 01:46

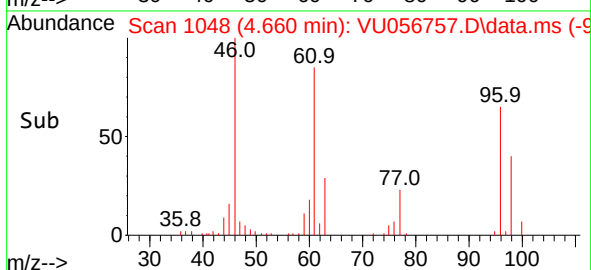
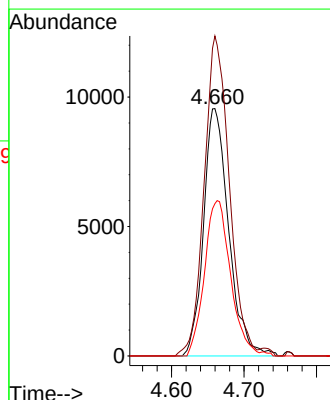
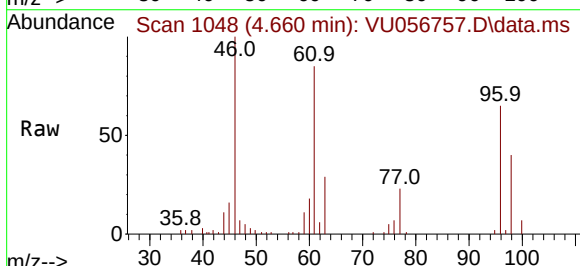
Tgt Ion: 96 Resp: 23050

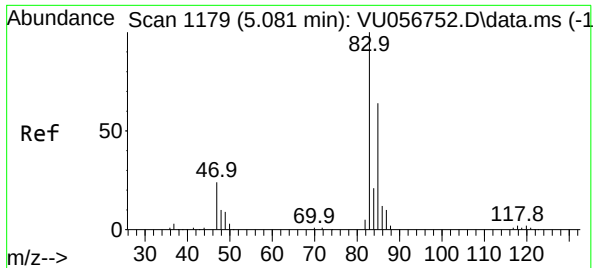
Ion Ratio Lower Upper

96 100

61 129.3 91.3 169.6

98 61.6 44.2 82.0





#25

Chloroform

Concen: 0.543 ug/L

RT: 5.087 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VU056757.D

Acq: 12 Dec 2023 01:46

Instrument :

MSVOA_U

ClientSampleId :

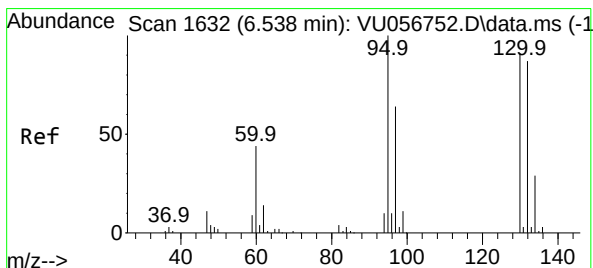
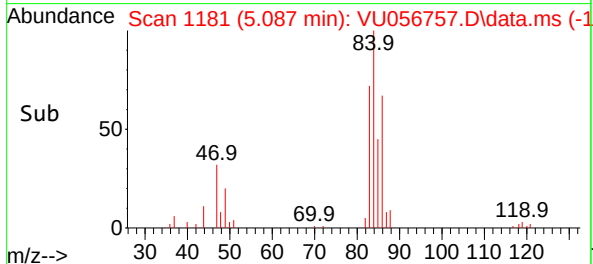
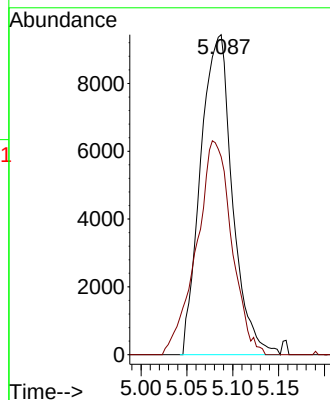
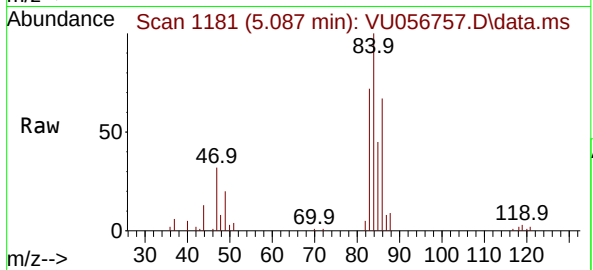
H0AA6

Tgt Ion: 83 Resp: 22737

Ion Ratio Lower Upper

83 100

85 61.9 45.8 85.0



#34

Trichloroethene

Concen: 2.594 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VU056757.D

Acq: 12 Dec 2023 01:46

Tgt Ion: 95 Resp: 64497

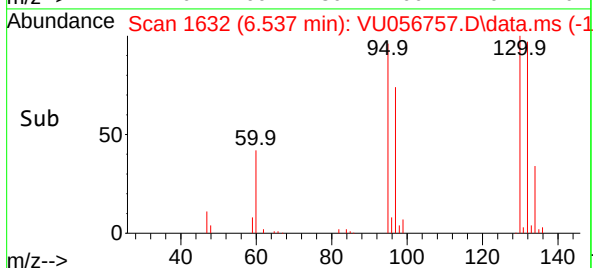
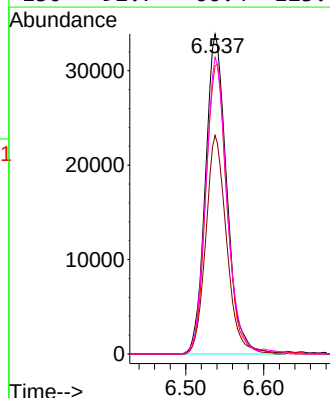
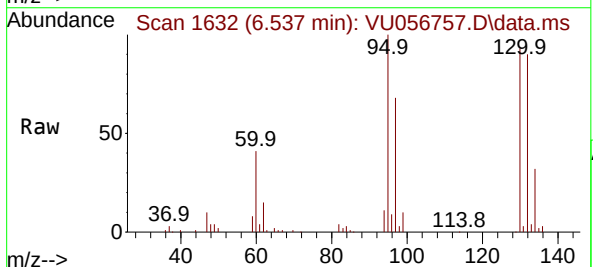
Ion Ratio Lower Upper

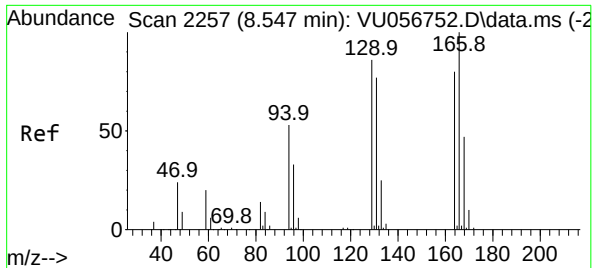
95 100

97 68.3 46.1 85.5

132 90.0 63.6 118.0

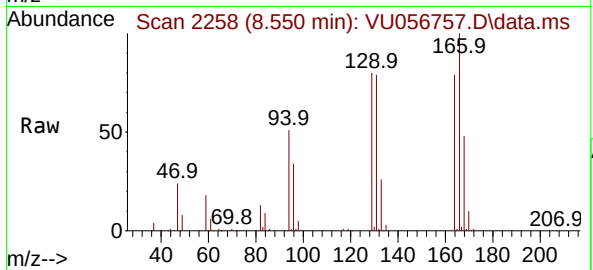
130 92.7 66.4 123.4





#47
 Tetrachloroethene
 Concen: 5.441 ug/L
 RT: 8.550 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VU056757.D
 Acq: 12 Dec 2023 01:46

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AA6



Tgt Ion:	164	Resp:	94689
Ion	Ratio	Lower	Upper
164	100		
129	102.1	73.4	136.4
131	100.4	71.5	132.9
166	127.0	92.7	172.1

