

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042023\
 Data File : VU053800.D
 Acq On : 20 Apr 2023 12:48
 Operator : JC/MD
 Sample : 02340-20 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE21

Quant Time: Apr 21 04:19:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 19 04:58:28 2023
 Response via : Initial Calibration

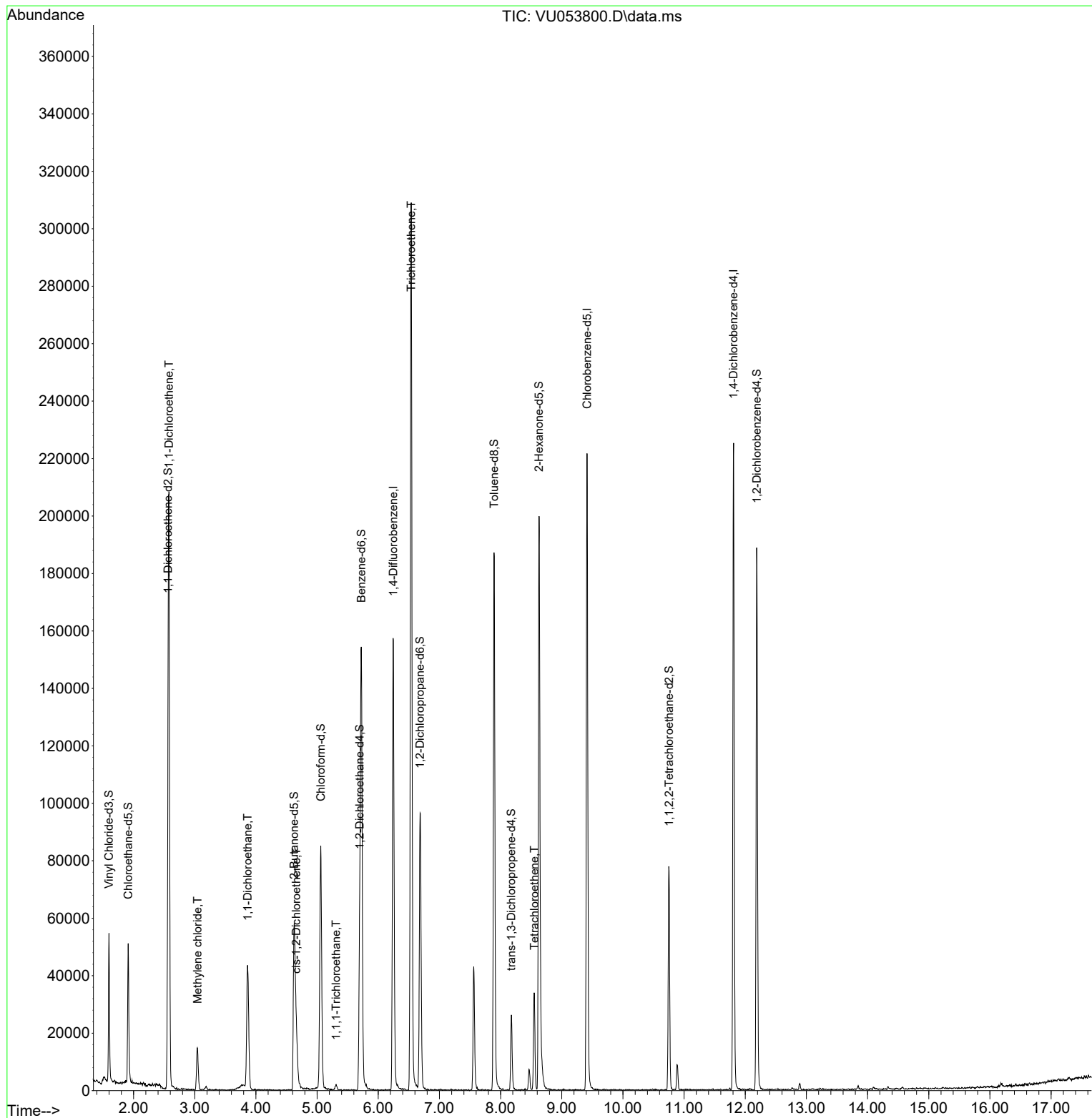
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	134750	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	129952	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	61891	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	38530	4.157	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	83.200%	
7) Chloroethane-d5	1.912	69	35387	4.206	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	84.200%	
11) 1,1-Dichloroethene-d2	2.565	65	14844	3.759	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	75.200%	
20) 2-Butanone-d5	4.626	46	88541	41.693	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	83.380%	
24) Chloroform-d	5.060	84	76952	4.478	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	89.600%	
26) 1,2-Dichloroethane-d4	5.697	65	39866	4.527	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.600%	
32) Benzene-d6	5.722	84	150382	4.083	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	81.600%	
36) 1,2-Dichloropropane-d6	6.684	67	49971	4.453	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	89.000%	
41) Toluene-d8	7.893	98	133186	3.833	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	76.600%	
43) trans-1,3-Dichloroprop...	8.176	79	16115	3.742	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	74.800%	
46) 2-Hexanone-d5	8.629	63	73736	42.154	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	84.300%	
56) 1,1,2,2-Tetrachloroeth...	10.754	84	39847	4.266	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	85.400%	
66) 1,2-Dichlorobenzene-d4	12.188	152	51932	4.664	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	93.200%	
Target Compounds						
12) 1,1-Dichloroethene	2.578	96	57163	7.493	ug/L #	79
16) Methylene chloride	3.044	84	7676	0.766	ug/L	96
19) 1,1-Dichloroethane	3.864	63	50773	3.478	ug/L	95
22) cis-1,2-Dichloroethene	4.661	96	6032	0.565	ug/L	93
29) 1,1,1-Trichloroethane	5.311	97	1657	0.129	ug/L #	70
34) Trichloroethene	6.539	95	108554	11.707	ug/L	94
47) Tetrachloroethene	8.552	164	7762	1.139	ug/L	90

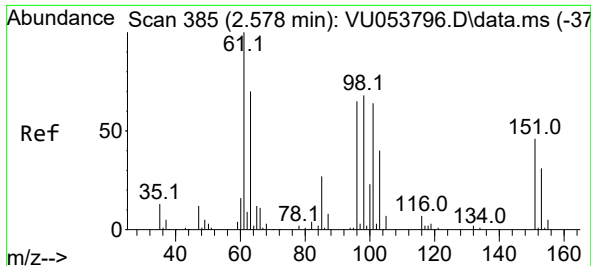
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 7.493 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU053800.D

Acq: 20 Apr 2023 12:48

Instrument :

MSVOA_U

ClientSampleId :

BHE21

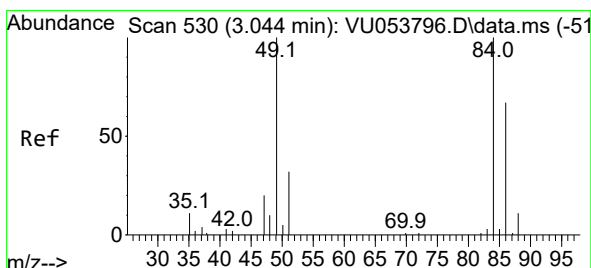
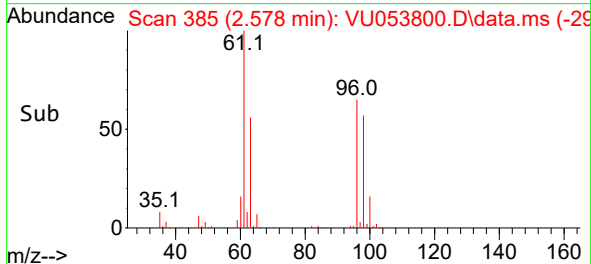
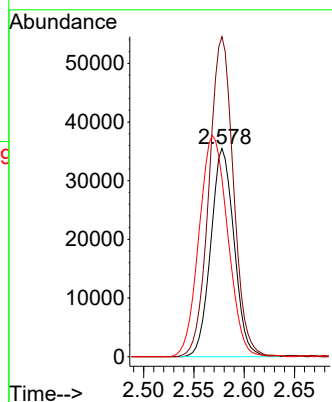
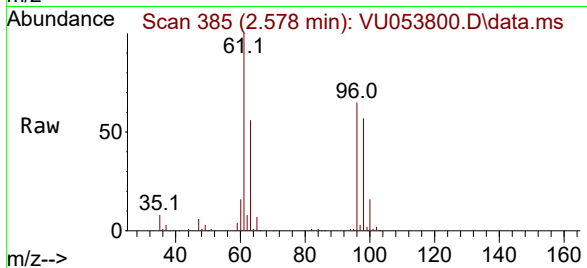
Tgt Ion: 96 Resp: 57163

Ion Ratio Lower Upper

96 100

61 153.7 116.8 216.8

63 85.5 88.6 164.6#



#16

Methylene chloride

Concen: 0.766 ug/L

RT: 3.044 min Scan# 530

Delta R.T. -0.000 min

Lab File: VU053800.D

Acq: 20 Apr 2023 12:48

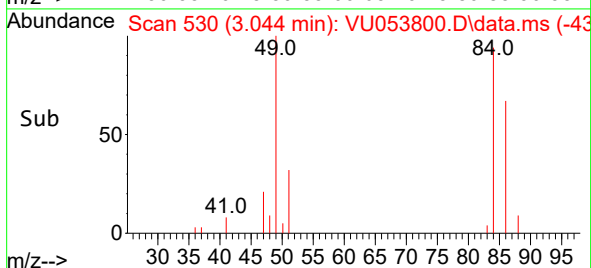
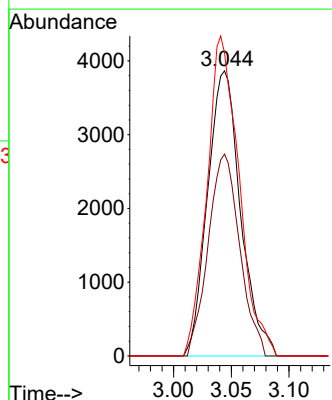
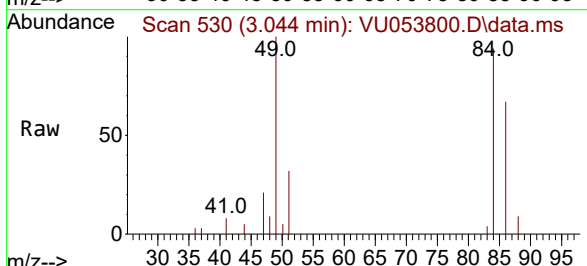
Tgt Ion: 84 Resp: 7676

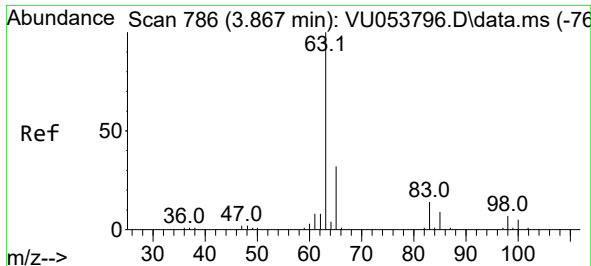
Ion Ratio Lower Upper

84 100

86 70.8 44.7 83.1

49 106.3 75.5 140.1





#19

1,1-Dichloroethane

Concen: 3.478 ug/L

RT: 3.864 min Scan# 71

Delta R.T. -0.003 min

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Instrument :

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ClientSampleId :

BHE21

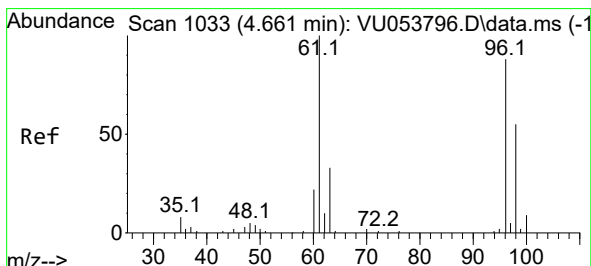
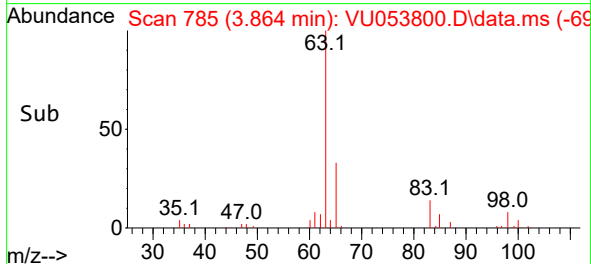
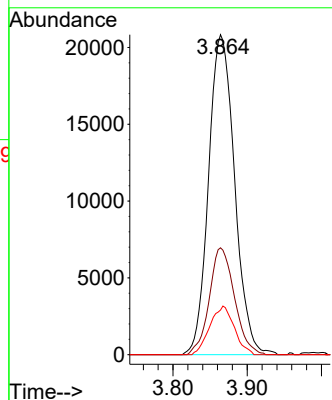
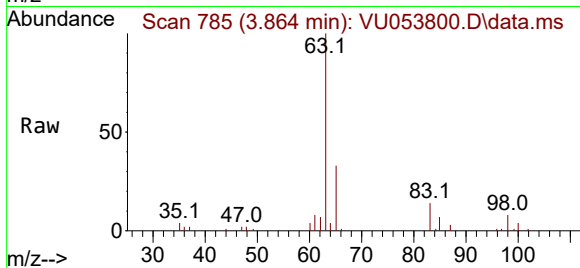
Tgt Ion: 63 Resp: 50773

Ion Ratio Lower Upper

63 100

65 33.4 21.7 40.3

83 14.0 8.1 15.1



#22

cis-1,2-Dichloroethene

Concen: 0.565 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU053800.D

Acq: 20 Apr 2023 12:48

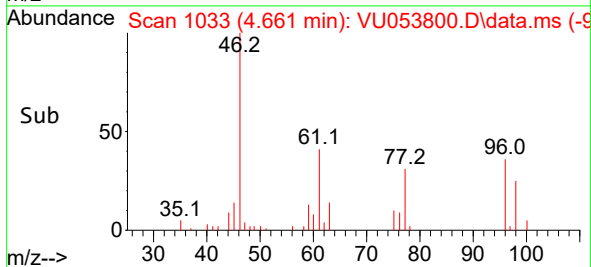
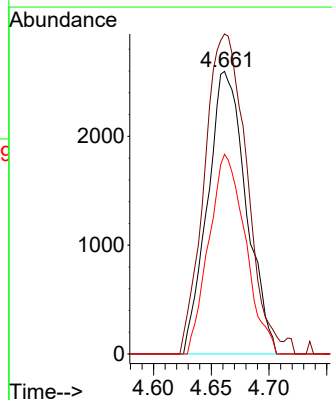
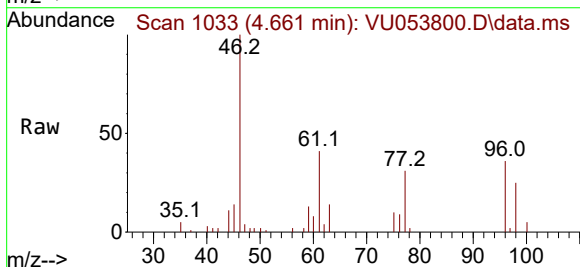
Tgt Ion: 96 Resp: 6032

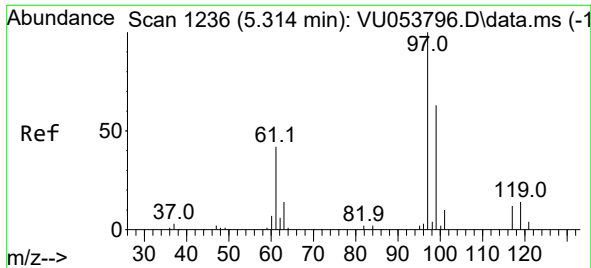
Ion Ratio Lower Upper

96 100

61 113.3 86.6 160.8

98 70.7 47.7 88.5





#29

1,1,1-Trichloroethane

Concen: 0.129 ug/L

RT: 5.311 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053800.D

Acq: 20 Apr 2023 12:48

Instrument :

MSVOA_U

ClientSampleId :

BHE21

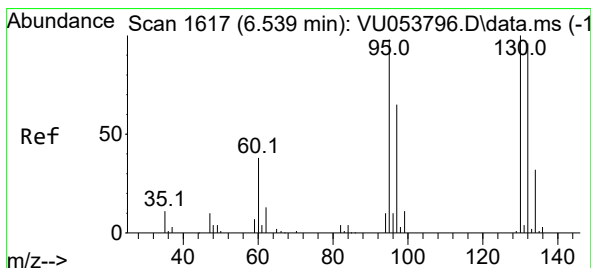
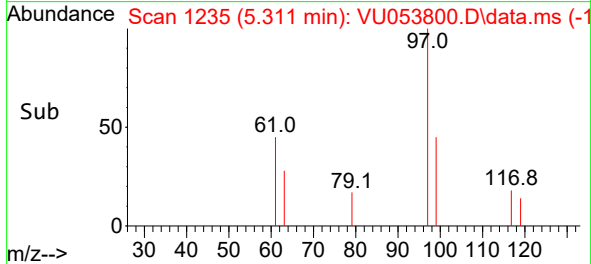
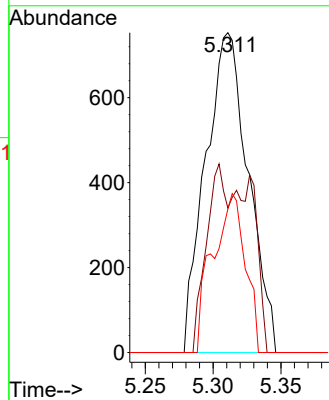
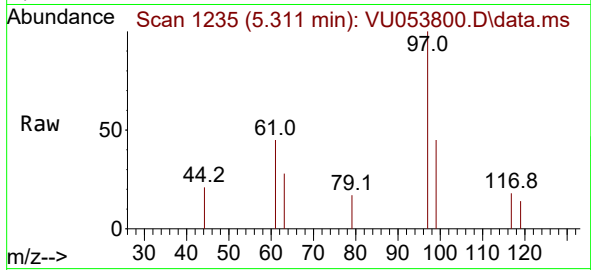
Tgt Ion: 97 Resp: 1657

Ion Ratio Lower Upper

97 100

99 28.7 49.9 74.9#

61 37.8 35.7 53.5



#34

Trichloroethene

Concen: 11.707 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. -0.000 min

Lab File: VU053800.D

Acq: 20 Apr 2023 12:48

Tgt Ion: 95 Resp: 108554

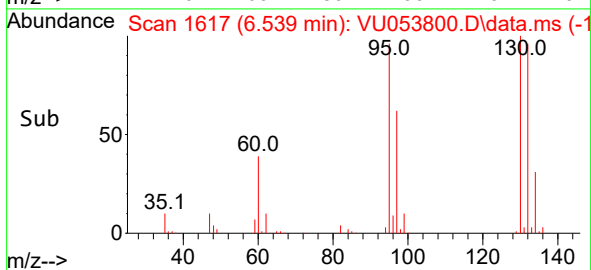
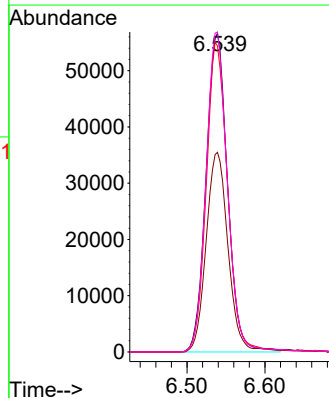
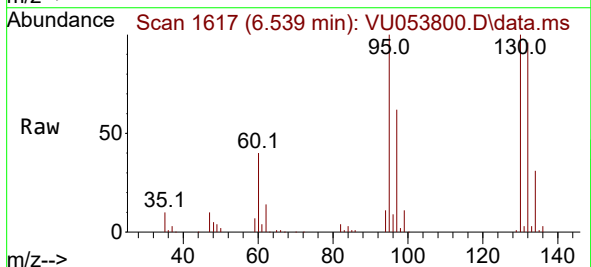
Ion Ratio Lower Upper

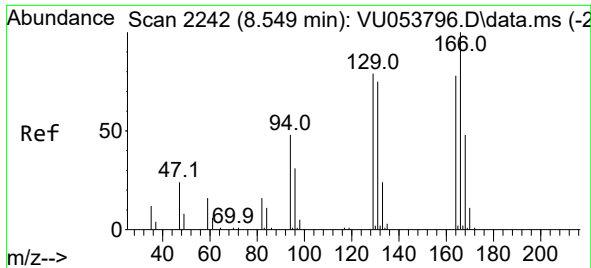
95 100

97 62.7 45.3 84.1

132 96.0 62.8 116.6

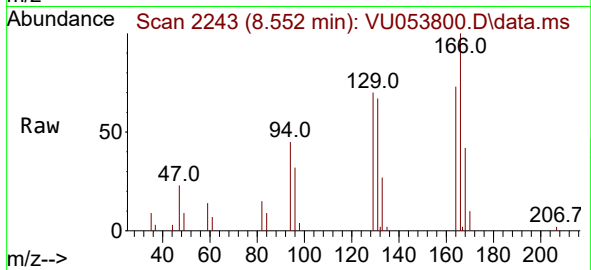
130 100.4 65.1 120.9





#47
Tetrachloroethene
Concen: 1.139 ug/L
RT: 8.552 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053800.D
Acq: 20 Apr 2023 12:48

Instrument :
MSVOA_U
ClientSampleId :
BHE21



Tgt Ion:	164	Resp:	7762
Ion	Ratio	Lower	Upper
164	100		
129	95.5	74.8	138.8
131	91.7	70.1	130.1
166	136.9	87.3	162.1

