

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041823\
 Data File : VU053770.D
 Acq On : 18 Apr 2023 19:29
 Operator : JC/MD
 Sample : 02340-12DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE13DL

Quant Time: Apr 19 05:03:58 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)

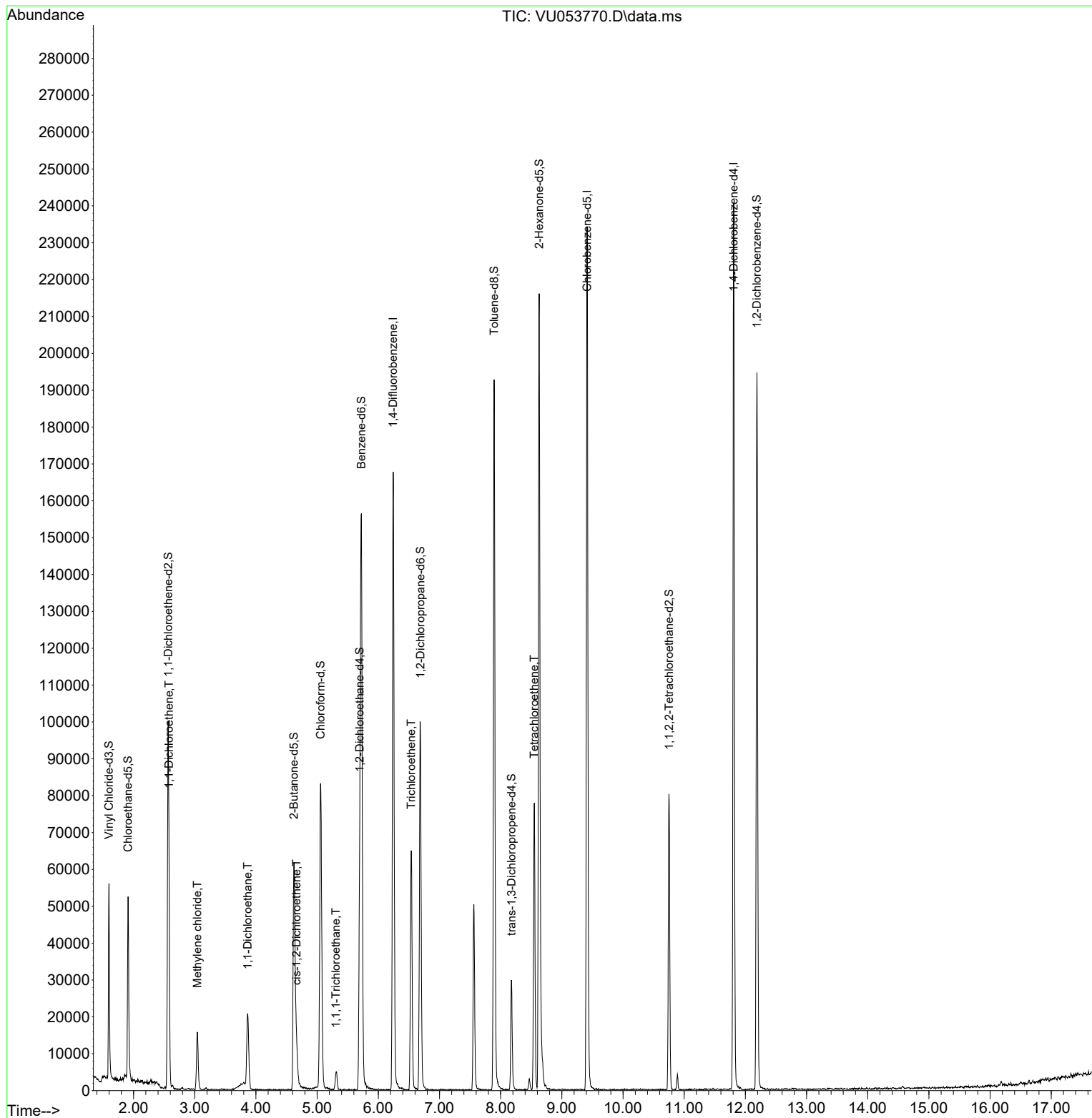
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	143512	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	138229	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	66134	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	39810	4.032	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	80.600%	
7) Chloroethane-d5	1.909	69	38123	4.255	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	85.000%	
11) 1,1-Dichloroethene-d2	2.565	65	15304	3.639	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	72.800%	
20) 2-Butanone-d5	4.620	46	91428	40.424	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	80.840%	
24) Chloroform-d	5.057	84	77772	4.249	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	85.000%	
26) 1,2-Dichloroethane-d4	5.697	65	41007	4.372	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	87.400%	
32) Benzene-d6	5.723	84	153875	3.928	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	78.600%	
36) 1,2-Dichloropropane-d6	6.687	67	50738	4.251	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	85.000%	
41) Toluene-d8	7.893	98	136884	3.704	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	74.000%	
43) trans-1,3-Dichloroprop...	8.176	79	18504	4.040	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	80.800%	
46) 2-Hexanone-d5	8.629	63	77946	41.893	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	83.780%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	40565	4.083	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	81.600%	
66) 1,2-Dichlorobenzene-d4	12.189	152	54382	4.571	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	91.400%	
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	12085	1.487	ug/L	# 66
16) Methylene chloride	3.041	84	8445	0.791	ug/L	95
19) 1,1-Dichloroethane	3.864	63	25645	1.649	ug/L	97
22) cis-1,2-Dichloroethene	4.662	96	3632	0.319	ug/L	91
29) 1,1,1-Trichloroethane	5.308	97	4017	0.294	ug/L	91
34) Trichloroethene	6.536	95	23485	2.381	ug/L	96
47) Tetrachloroethene	8.549	164	17481	2.412	ug/L	92

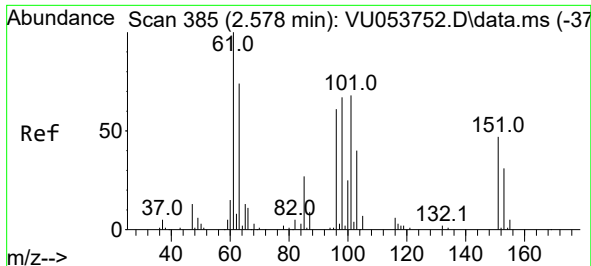
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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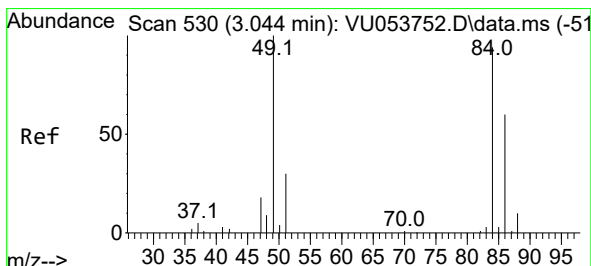
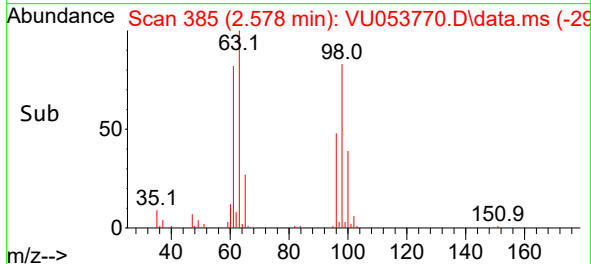
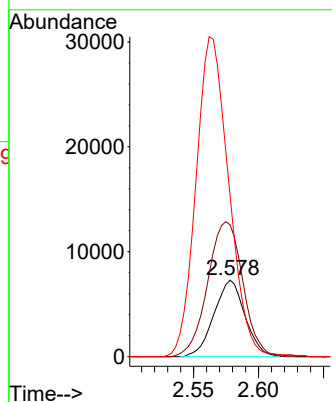
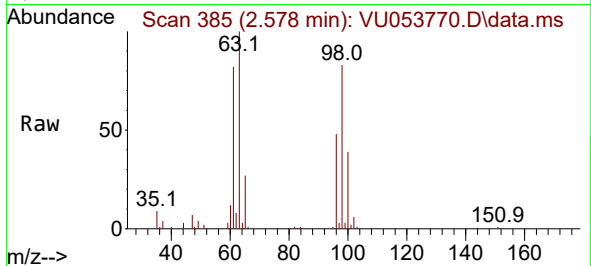




#12
1,1-Dichloroethene
Concen: 1.487 ug/L
RT: 2.578 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053770.D
Acq: 18 Apr 2023 19:29

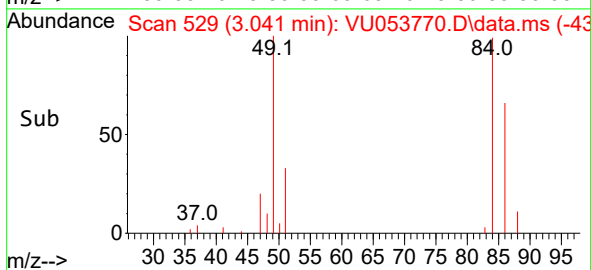
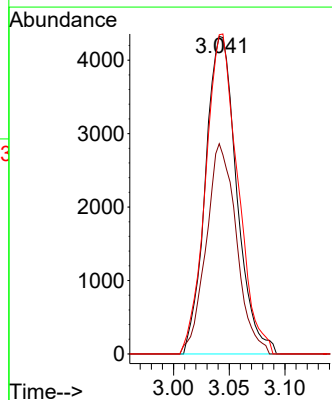
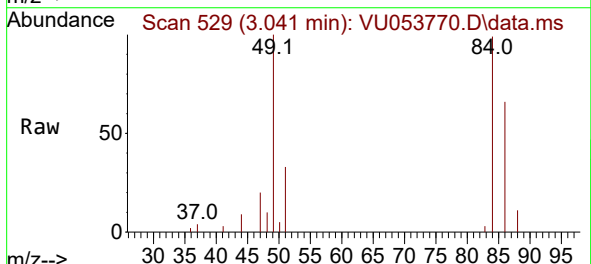
Instrument :
MSVOA_U
ClientSampleId :
BHE13DL

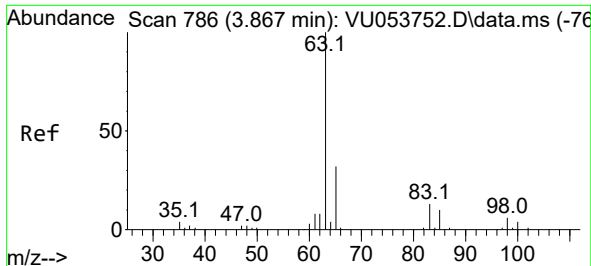
Tgt Ion: 96 Resp: 12085
Ion Ratio Lower Upper
96 100
61 172.3 116.8 216.8
63 210.3 88.6 164.6#



#16
Methylene chloride
Concen: 0.791 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU053770.D
Acq: 18 Apr 2023 19:29

Tgt Ion: 84 Resp: 8445
Ion Ratio Lower Upper
84 100
86 66.2 44.7 83.1
49 100.5 75.5 140.1





#19

1,1-Dichloroethane

Concen: 1.649 ug/L

RT: 3.864 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU053770.D

Acq: 18 Apr 2023 19:29

Instrument :

MSVOA_U

ClientSampleId :

BHE13DL

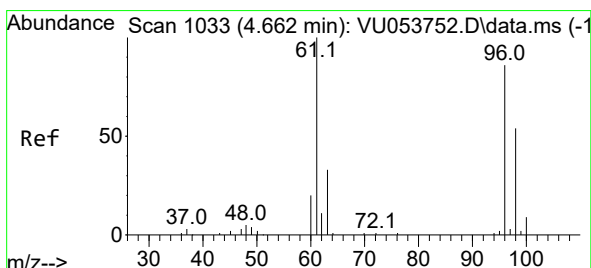
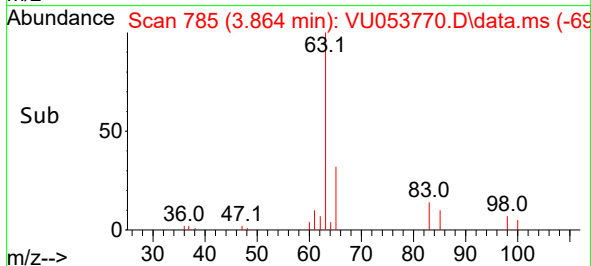
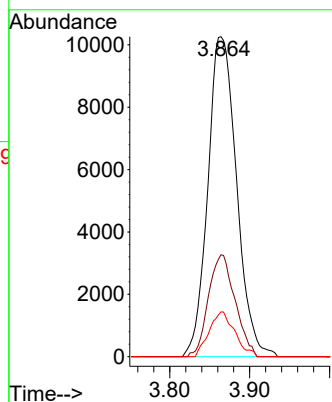
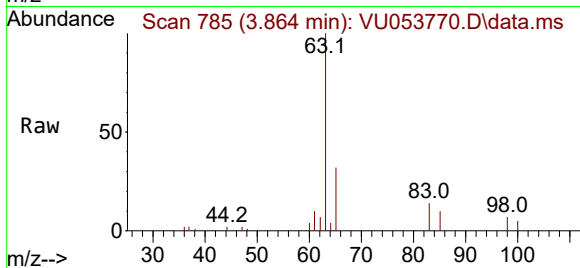
Tgt Ion: 63 Resp: 25645

Ion Ratio Lower Upper

63 100

65 31.8 21.7 40.3

83 14.0 8.1 15.1



#22

cis-1,2-Dichloroethene

Concen: 0.319 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU053770.D

Acq: 18 Apr 2023 19:29

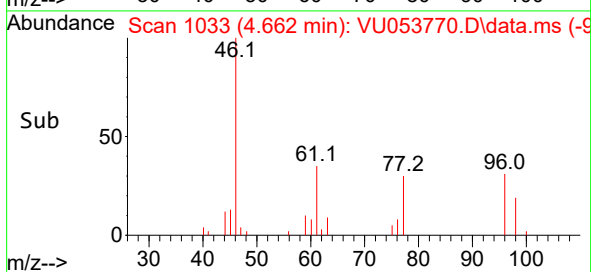
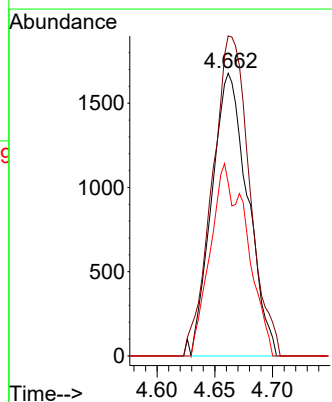
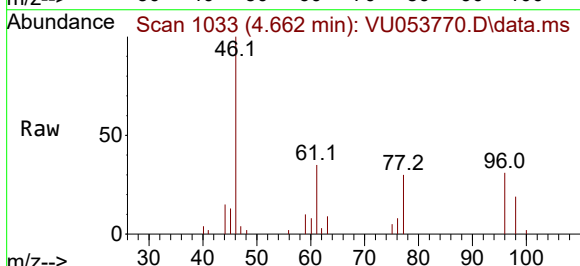
Tgt Ion: 96 Resp: 3632

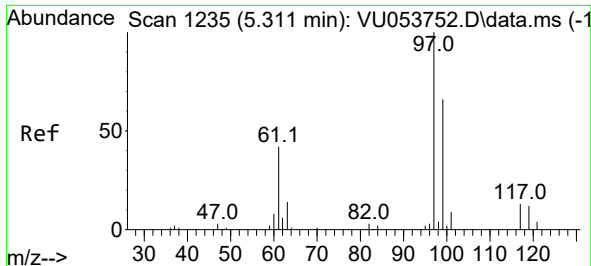
Ion Ratio Lower Upper

96 100

61 113.2 86.6 160.8

98 61.1 47.7 88.5





#29

1,1,1-Trichloroethane

Concen: 0.294 ug/L

RT: 5.308 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053770.D

Acq: 18 Apr 2023 19:29

Instrument :

MSVOA_U

ClientSampleId :

BHE13DL

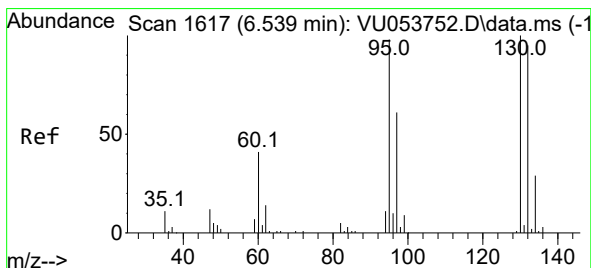
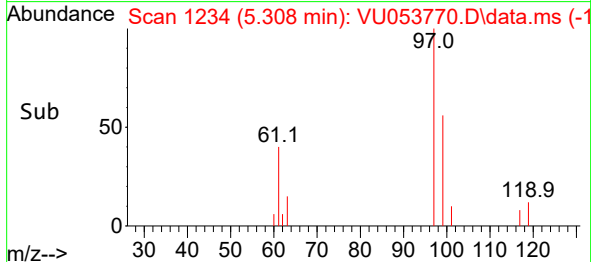
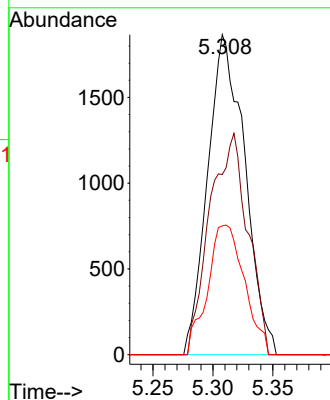
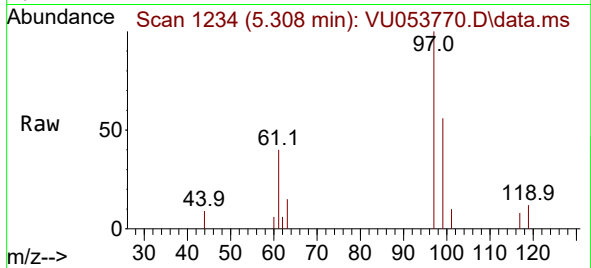
Tgt Ion: 97 Resp: 4017

Ion Ratio Lower Upper

97 100

99 71.0 49.9 74.9

61 40.1 35.7 53.5



#34

Trichloroethene

Concen: 2.381 ug/L

RT: 6.536 min Scan# 1616

Delta R.T. -0.003 min

Lab File: VU053770.D

Acq: 18 Apr 2023 19:29

Tgt Ion: 95 Resp: 23485

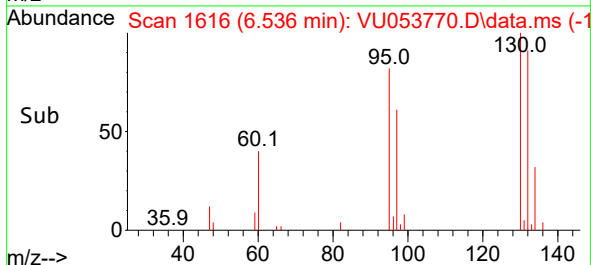
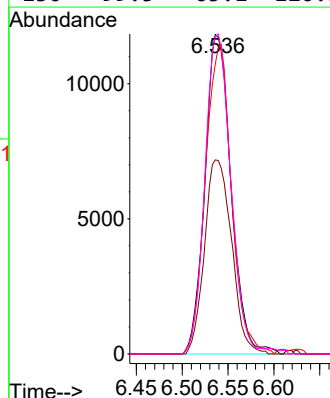
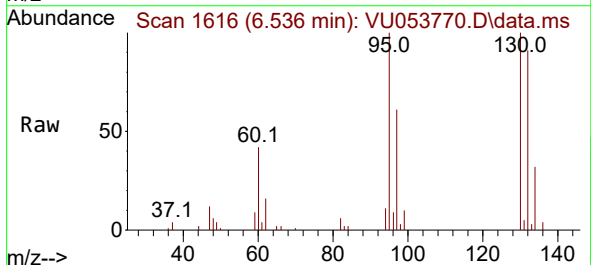
Ion Ratio Lower Upper

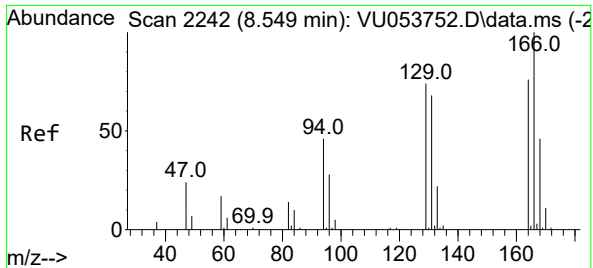
95 100

97 60.8 45.3 84.1

132 90.7 62.8 116.6

130 99.5 65.1 120.9





#47
Tetrachloroethene
Concen: 2.412 ug/L
RT: 8.549 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053770.D
Acq: 18 Apr 2023 19:29

Instrument :
MSVOA_U
ClientSampleId :
BHE13DL

Tgt Ion:164	Resp:	17481
Ion	Ratio	Lower Upper
164	100	
129	97.6	74.8 138.8
131	92.1	70.1 130.1
166	132.1	87.3 162.1

