

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042523\
 Data File : VU053886.D
 Acq On : 25 Apr 2023 16:01
 Operator : JC/MD
 Sample : 02392-01DL 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE12DL

Quant Time: Apr 26 05:13:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 26 05:09:52 2023
 Response via : Initial Calibration

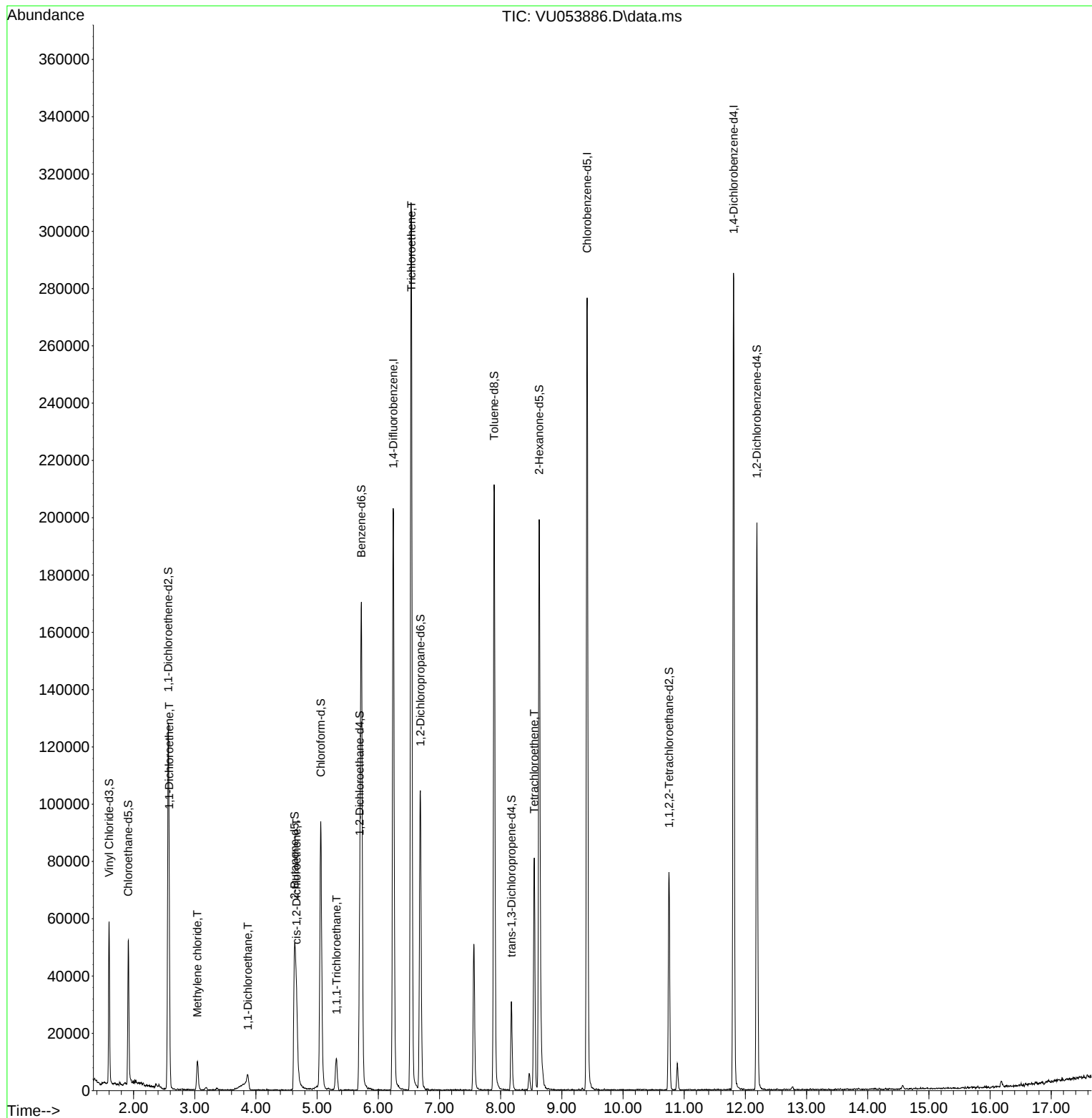
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	176578	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	167524	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	80427	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	44121	4.102	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.000%
7) Chloroethane-d5	1.912	69	38993	4.320	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.400%
11) 1,1-Dichloroethene-d2	2.565	65	17771	4.015	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.200%
20) 2-Butanone-d5	4.633	46	89764	45.568	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.140%
24) Chloroform-d	5.060	84	85545	4.221	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
26) 1,2-Dichloroethane-d4	5.697	65	40827	4.359	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
32) Benzene-d6	5.723	84	171221	4.339	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	6.687	67	54242	4.543	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.893	98	152527	4.141	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
43) trans-1,3-Dichloroprop...	8.176	79	18749	3.993	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.800%
46) 2-Hexanone-d5	8.629	63	73625	44.307	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.620%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	39094	4.052	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	53404	4.140	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.800%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.581	96	16874	1.519	ug/L #	67
16) Methylene chloride	3.041	84	5448	0.359	ug/L	95
19) 1,1-Dichloroethane	3.867	63	5050	0.249	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	8986	0.710	ug/L	92
29) 1,1,1-Trichloroethane	5.317	97	7897	0.419	ug/L #	74
34) Trichloroethene	6.539	95	106473	8.274	ug/L	99
47) Tetrachloroethene	8.549	164	19100	1.873	ug/L	96

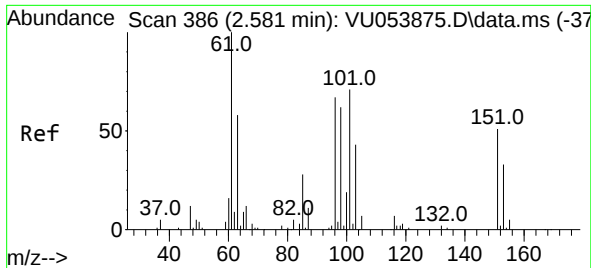
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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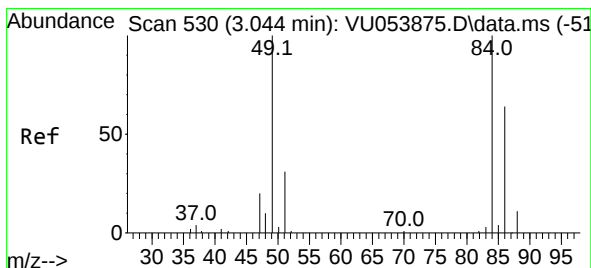
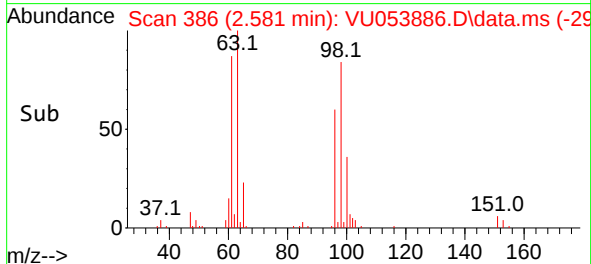
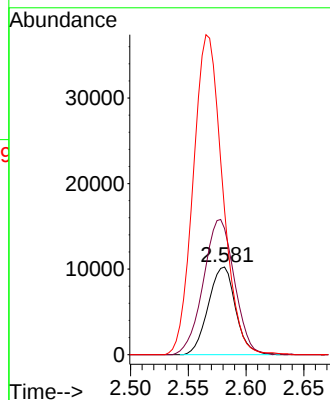
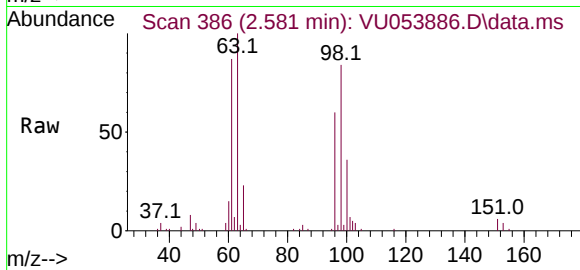




#12
1,1-Dichloroethene
Concen: 1.519 ug/L
RT: 2.581 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053886.D
Acq: 25 Apr 2023 16:01

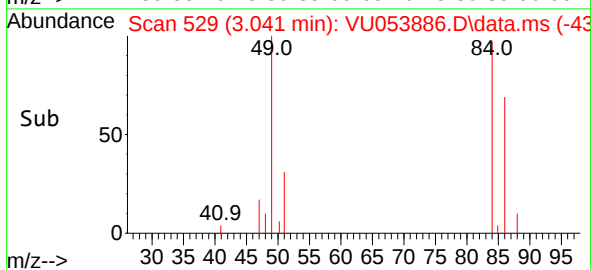
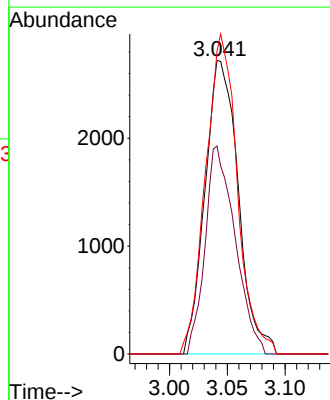
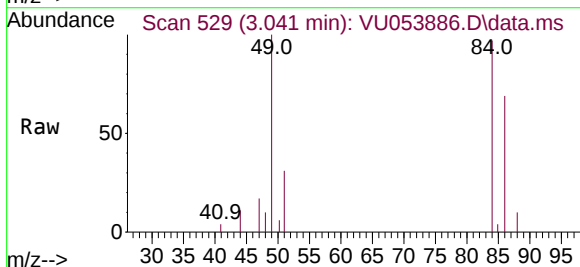
Instrument :
MSVOA_U
ClientSampleId :
BHE12DL

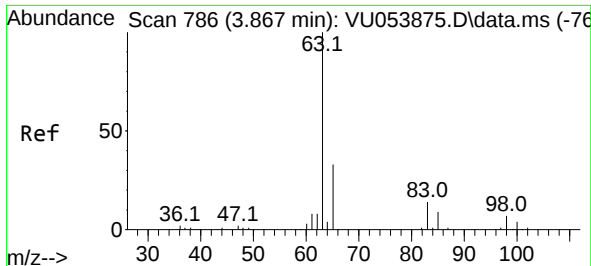
Tgt Ion: 96 Resp: 16874
Ion Ratio Lower Upper
96 100
61 144.0 111.5 207.1
63 165.4 68.7 127.7#



#16
Methylene chloride
Concen: 0.359 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU053886.D
Acq: 25 Apr 2023 16:01

Tgt Ion: 84 Resp: 5448
Ion Ratio Lower Upper
84 100
86 70.8 45.0 83.6
49 103.1 74.8 138.8





#19

1,1-Dichloroethane

Concen: 0.249 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU053886.D

Acq: 25 Apr 2023 16:01

Instrument :

MSVOA_U

ClientSampleId :

BHE12DL

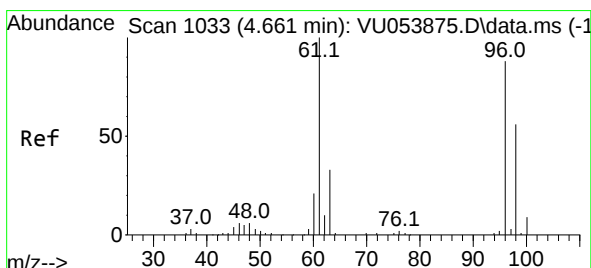
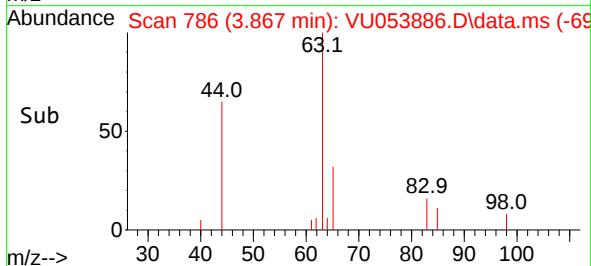
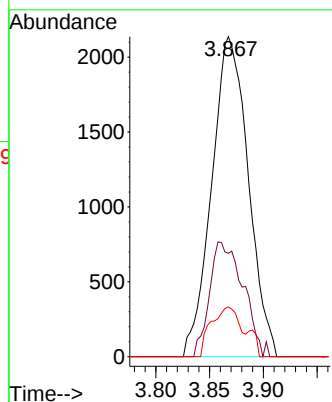
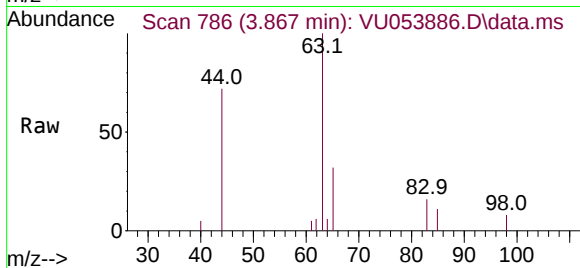
Tgt Ion: 63 Resp: 5050

Ion Ratio Lower Upper

63 100

65 32.3 22.0 40.8

83 15.5 10.3 19.1



#22

cis-1,2-Dichloroethene

Concen: 0.710 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU053886.D

Acq: 25 Apr 2023 16:01

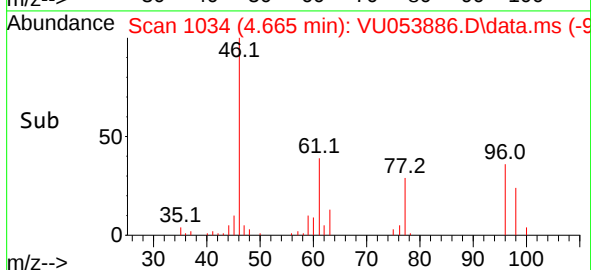
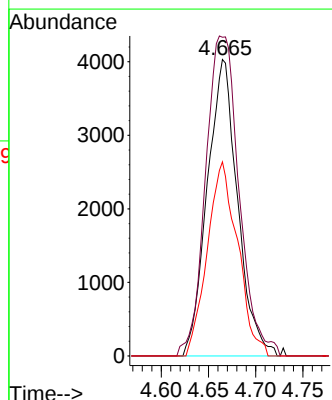
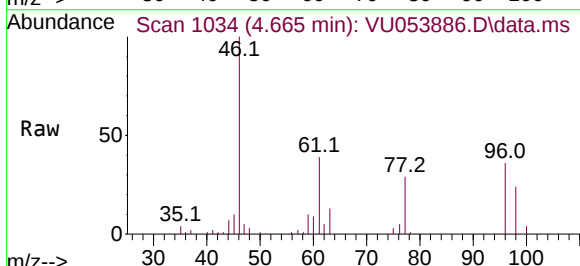
Tgt Ion: 96 Resp: 8986

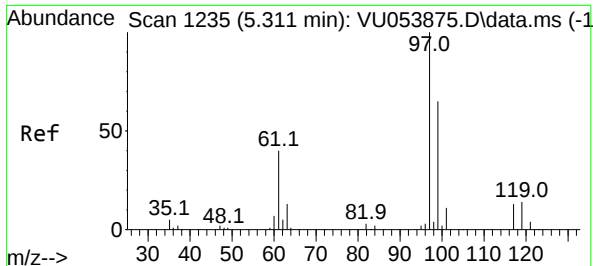
Ion Ratio Lower Upper

96 100

61 107.5 84.3 156.5

98 65.4 46.4 86.2





#29

1,1,1-Trichloroethane

Concen: 0.419 ug/L

RT: 5.317 min Scan# 1

Delta R.T. 0.007 min

Lab File: VU053886.D

Acq: 25 Apr 2023 16:01

Instrument :

MSVOA_U

ClientSampleId :

BHE12DL

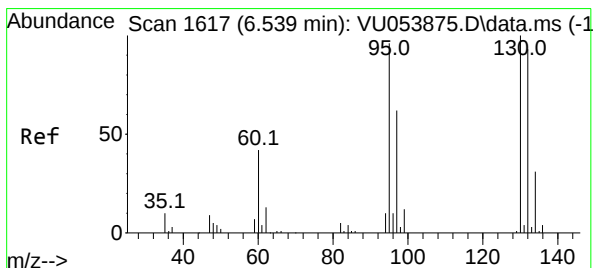
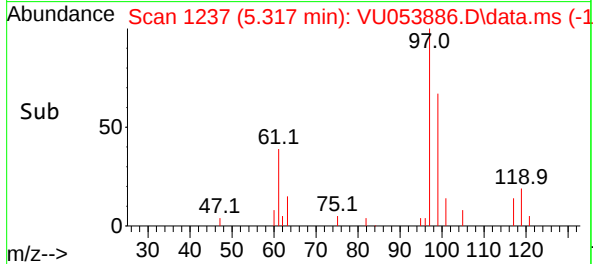
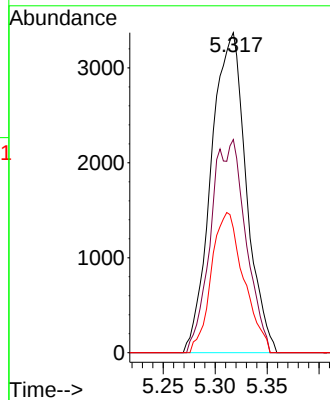
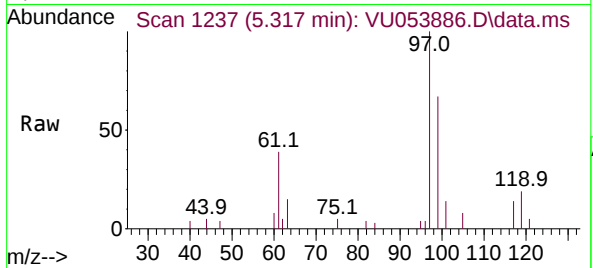
Tgt Ion: 97 Resp: 7897

Ion Ratio Lower Upper

97 100

99 33.0 52.9 79.3#

61 40.6 33.8 50.8



#34

Trichloroethene

Concen: 8.274 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VU053886.D

Acq: 25 Apr 2023 16:01

Tgt Ion: 95 Resp: 106473

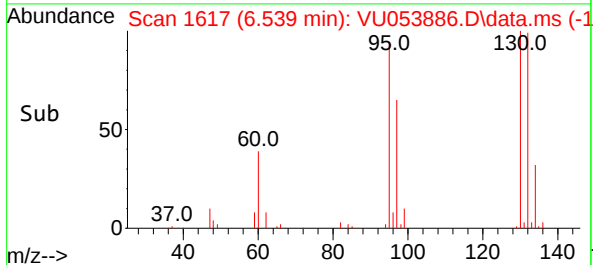
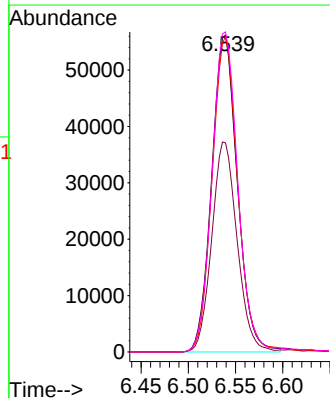
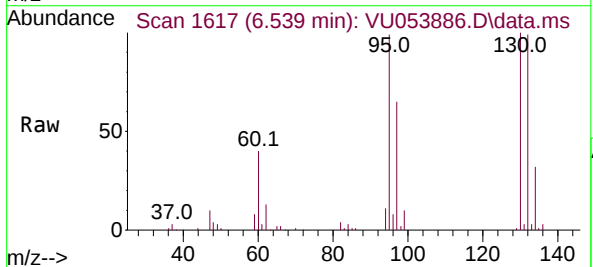
Ion Ratio Lower Upper

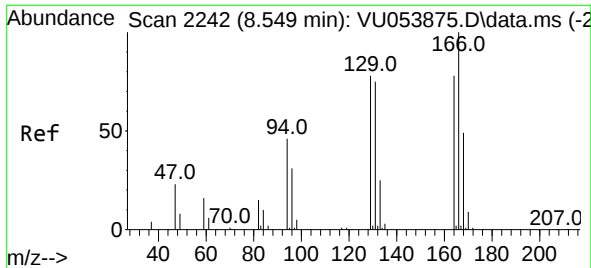
95 100

97 66.0 45.1 83.9

132 99.6 69.9 129.9

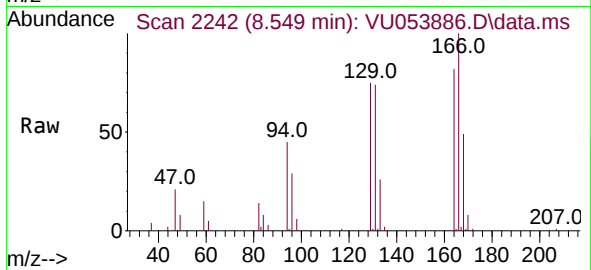
130 101.0 71.3 132.3





#47
 Tetrachloroethene
 Concen: 1.873 ug/L
 RT: 8.549 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU053886.D
 Acq: 25 Apr 2023 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE12DL



Tgt Ion:	164	Resp:	19100
Ion	Ratio	Lower	Upper
164	100		
129	91.6	68.3	126.8
131	89.4	64.4	119.6
166	121.4	88.3	163.9

