

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050843.D
 Acq On : 20 Sep 2022 19:58
 Operator : JC/MD
 Sample : N4651-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ44

Quant Time: Sep 21 02:26:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 02:18:13 2022
 Response via : Initial Calibration

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

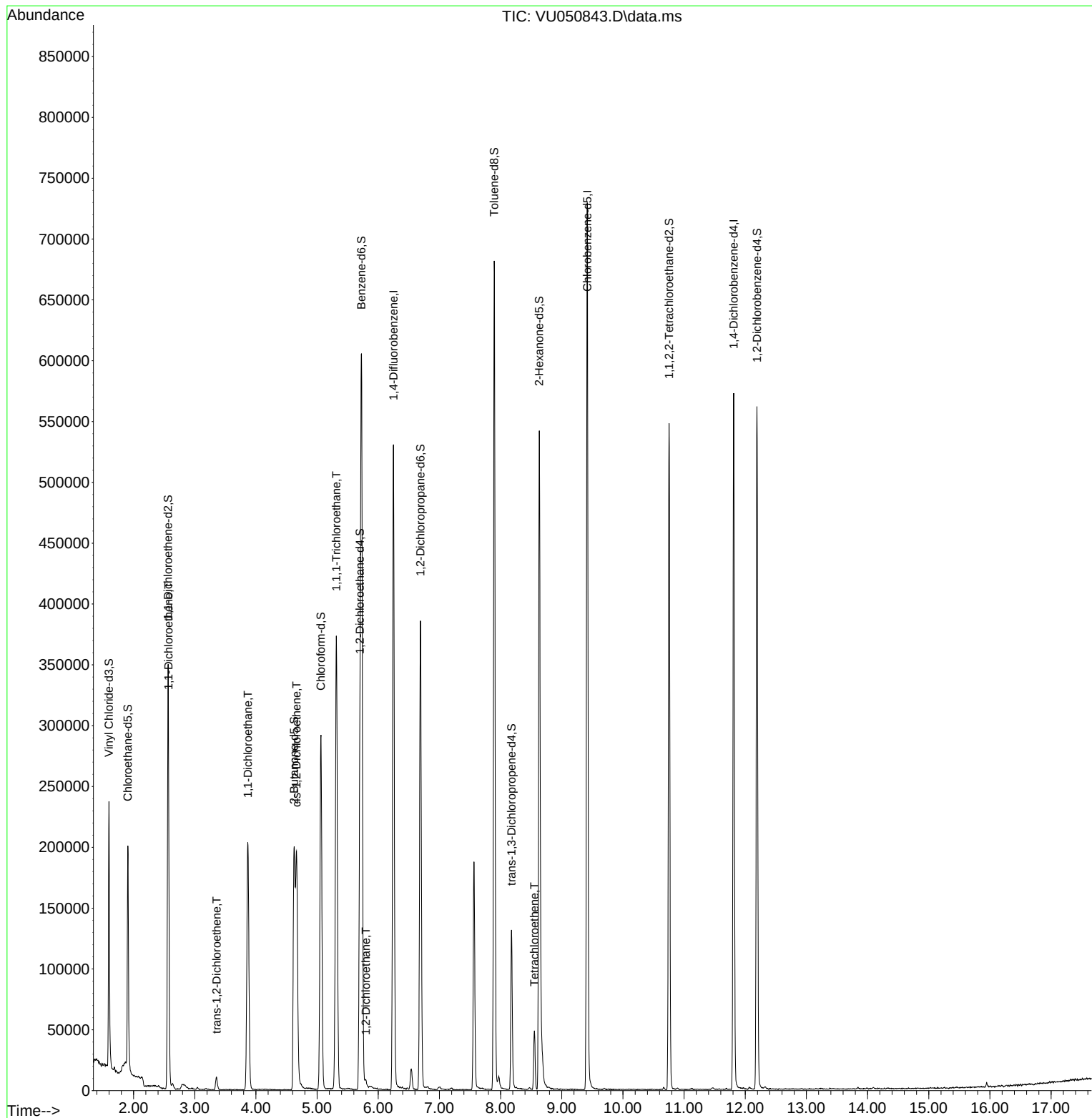
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	424205	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	403343	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	149706	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	166076	37.787	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	75.580%	
7) Chloroethane-d5	1.906	69	133668	42.704	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	85.400%	
11) 1,1-Dichloroethene-d2	2.565	63	204568	29.913	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	59.820%#	
21) 2-Butanone-d5	4.623	46	299033	105.389	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	105.390%	
24) Chloroform-d	5.063	84	277236	40.251	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	80.500%	
26) 1,2-Dichloroethane-d4	5.700	65	177072	41.716	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	83.440%	
32) Benzene-d6	5.726	84	561190	42.241	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	84.480%	
36) 1,2-Dichloropropane-d6	6.690	67	194979	43.480	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	86.960%	
41) Toluene-d8	7.896	98	446951	38.487	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	76.980%#	
43) trans-1,3-Dichloroprop...	8.179	79	75074	38.483	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	76.960%	
47) 2-Hexanone-d5	8.632	63	174295	94.315	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	94.310%	
56) 1,1,2,2-Tetrachloroeth...	10.754	84	282639	41.340	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	82.680%	
66) 1,2-Dichlorobenzene-d4	12.192	152	143972	45.932	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	91.860%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.571	96	4523	1.387	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	4274	1.279	ug/L	81
19) 1,1-Dichloroethane	3.867	63	237355	35.143	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	90041	24.295	ug/L	100
27) 1,2-Dichloroethane	5.796	62	4078	0.797	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	271375	50.573	ug/L	98
46) Tetrachloroethene	8.552	164	10524	4.247	ug/L	90

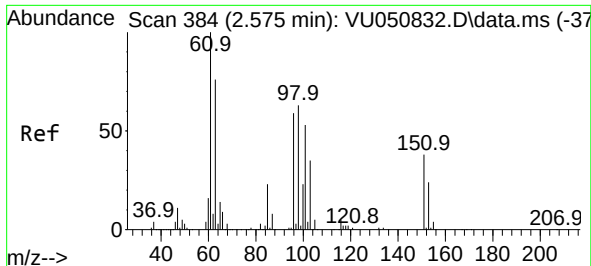
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.387 ug/L

RT: 2.571 min Scan# 3

Delta R.T. -0.003 min

Lab File: VU050843.D

Acq: 20 Sep 2022 19:58

Instrument :

MSVOA_U

ClientSampleId :

EXZ44

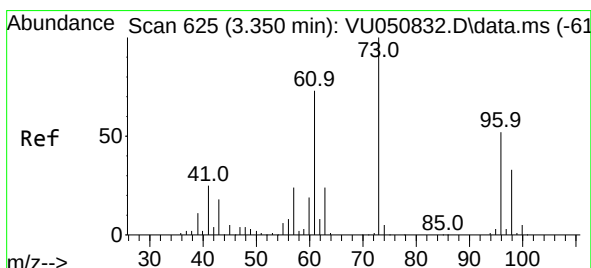
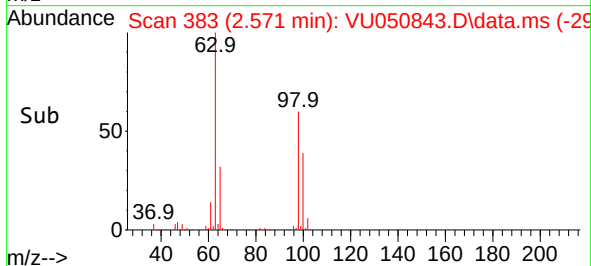
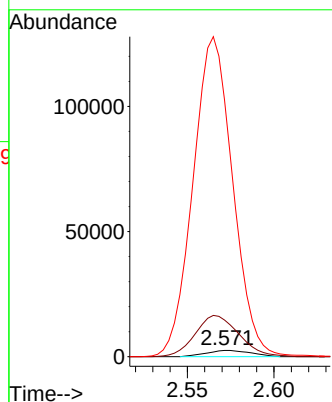
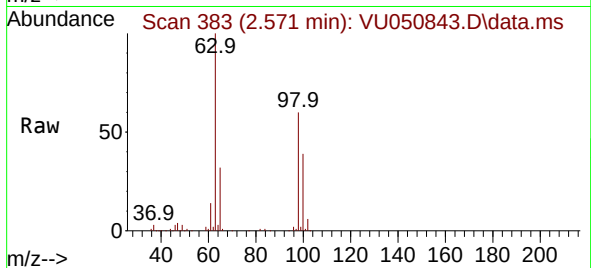
Tgt Ion: 96 Resp: 4523

Ion Ratio Lower Upper

96 100

61 579.3 118.6 220.2#

63 4055.0 90.4 168.0#



#17

trans-1,2-Dichloroethene

Concen: 1.279 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.010 min

Lab File: VU050843.D

Acq: 20 Sep 2022 19:58

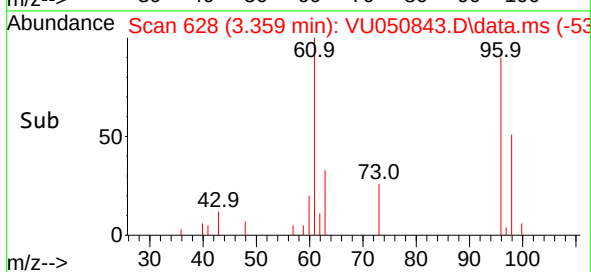
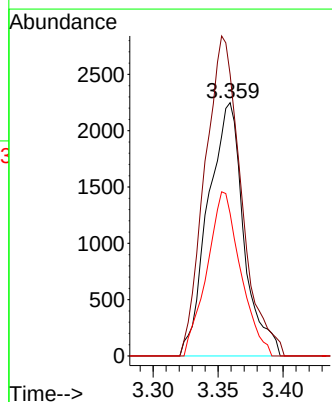
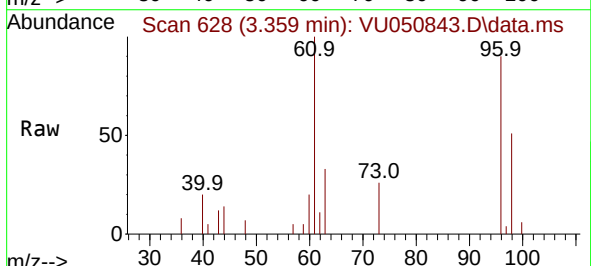
Tgt Ion: 96 Resp: 4274

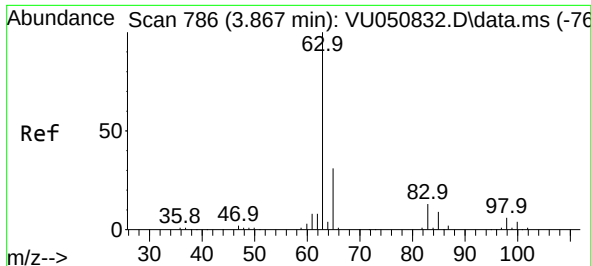
Ion Ratio Lower Upper

96 100

61 111.2 98.0 182.0

98 56.2 44.3 82.3

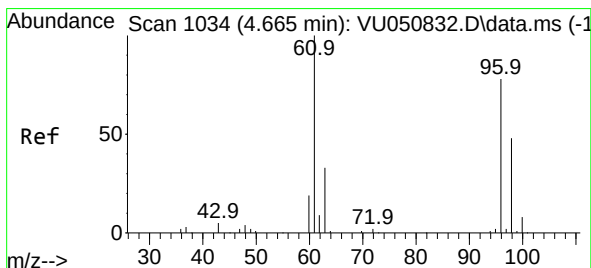
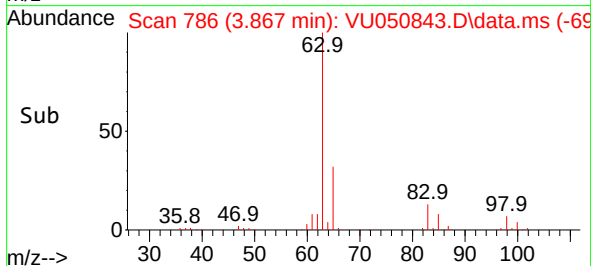
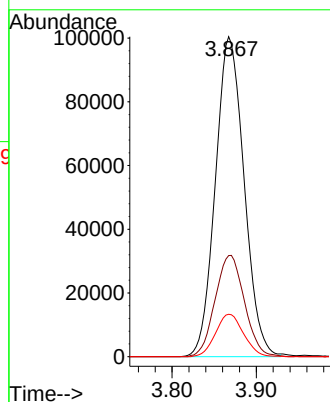
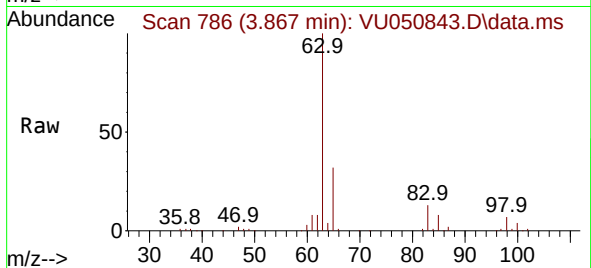




#19
1,1-Dichloroethane
Concen: 35.143 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU050843.D
Acq: 20 Sep 2022 19:58

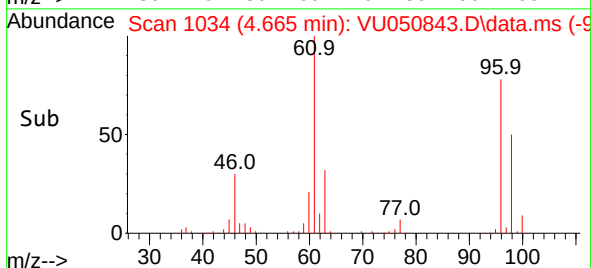
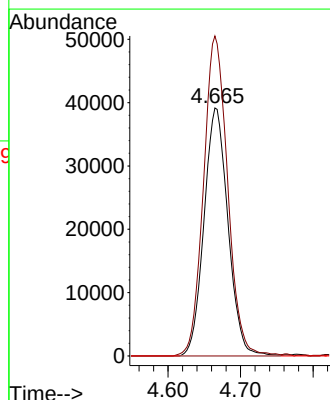
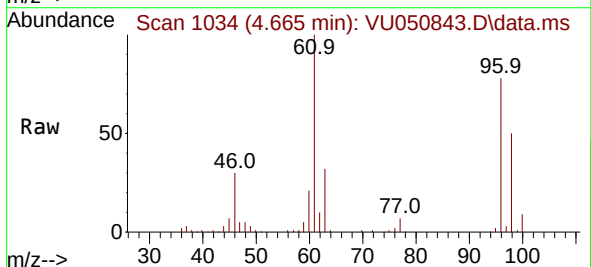
Instrument :
MSVOA_U
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EXZ44

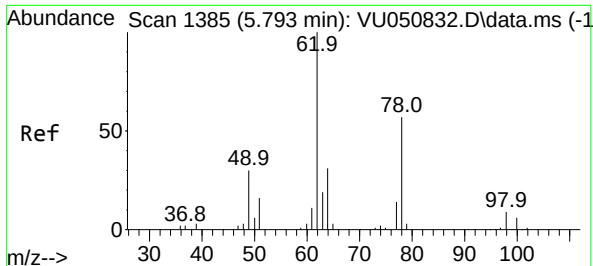
Tgt Ion: 63 Resp: 237355
Ion Ratio Lower Upper
63 100
65 31.6 21.5 39.9
83 13.3 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 24.295 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VU050843.D
Acq: 20 Sep 2022 19:58

Tgt Ion: 96 Resp: 90041
Ion Ratio Lower Upper
96 100
61 129.0 90.1 167.3
68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.797 ug/L

RT: 5.796 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU050843.D

Acq: 20 Sep 2022 19:58

Instrument :

MSVOA_U

ClientSampleId :

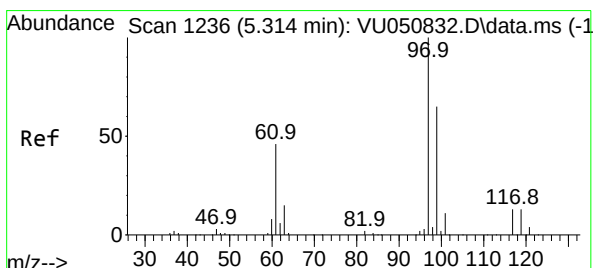
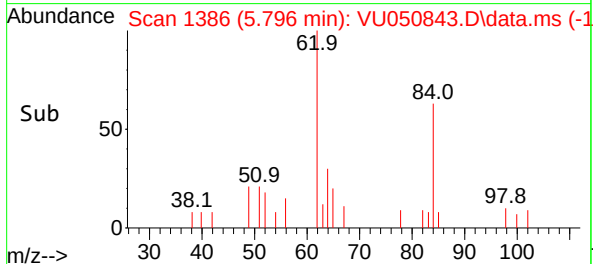
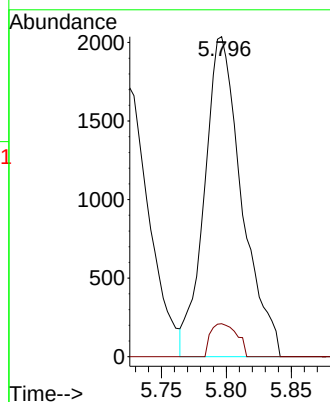
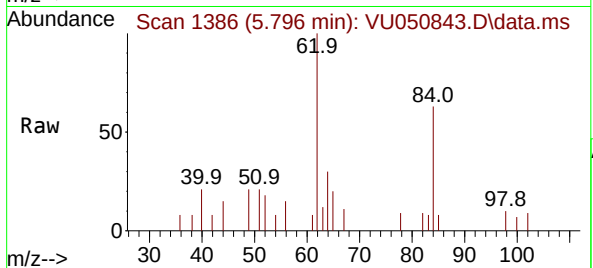
EXZ44

Tgt Ion: 62 Resp: 4078

Ion Ratio Lower Upper

62 100

98 10.3 7.4 11.0



#30

1,1,1-Trichloroethane

Concen: 50.573 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU050843.D

Acq: 20 Sep 2022 19:58

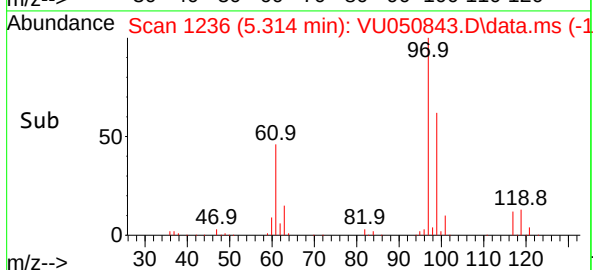
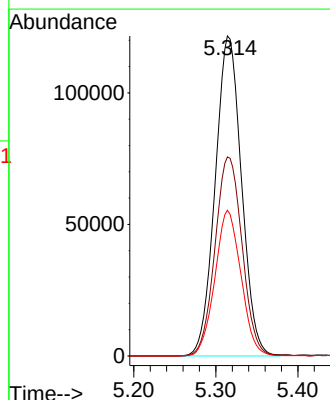
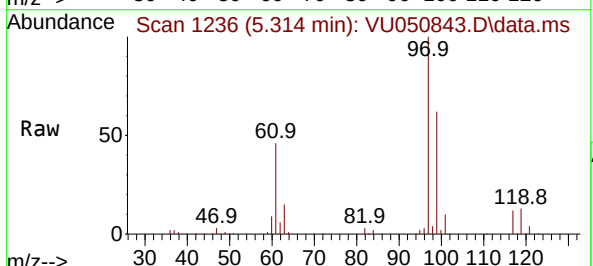
Tgt Ion: 97 Resp: 271375

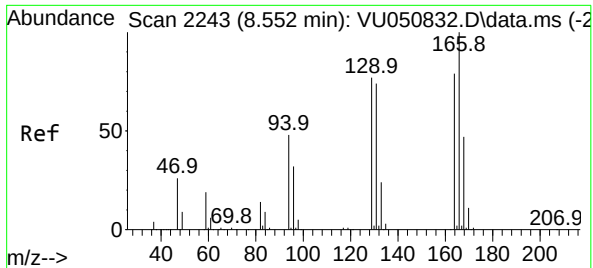
Ion Ratio Lower Upper

97 100

99 63.9 52.2 78.2

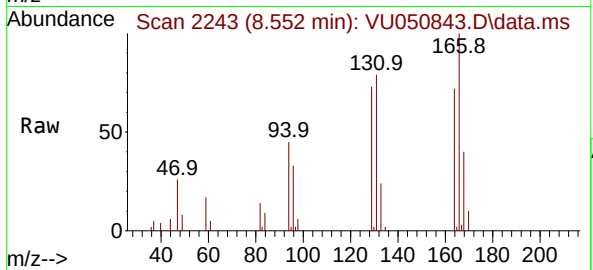
61 45.1 37.1 55.7





#46
 Tetrachloroethene
 Concen: 4.247 ug/L
 RT: 8.552 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU050843.D
 Acq: 20 Sep 2022 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ44



Tgt Ion:	164	Resp:	10524
Ion	Ratio	Lower	Upper
164	100		
129	101.5	68.5	127.3
131	109.4	66.1	122.7
166	139.1	88.8	164.8

