

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

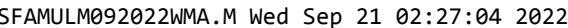
Quant Time: Sep 21 02:26:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 02:18:13 2022
 Response via : Initial Calibration

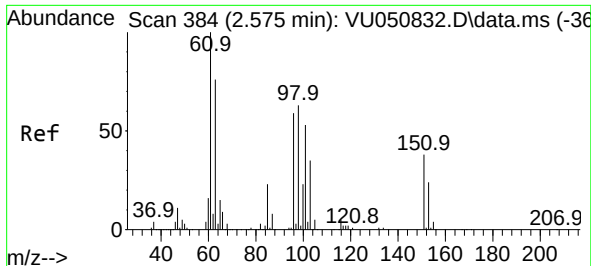
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	2059	0.593	ug/L #	21
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
31) Carbon tetrachloride	5.314	117	34224	7.677	ug/L	93
44) trans-1,3-Dichloropropene	8.179	75	3262	0.631	ug/L	86
46) Tetrachloroethene	8.552	164	10524	4.247	ug/L	90
49) Dibromochloromethane	8.552	129	10514	2.865	ug/L #	10

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

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.593 ug/L

RT: 2.565 min Scan# 3

Delta R.T. -0.010 min

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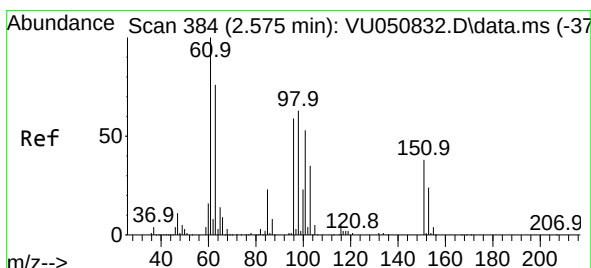
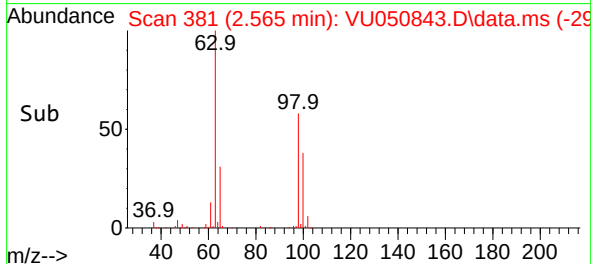
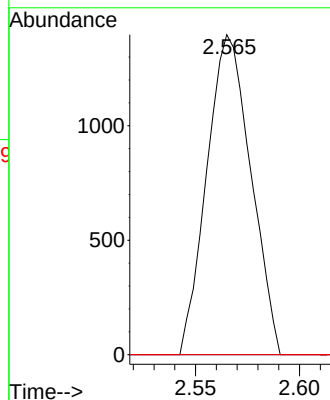
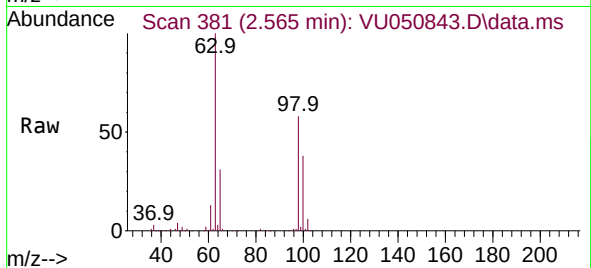
Tgt Ion:101 Resp: 2059

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 56.6 84.8#



#12

1,1-Dichloroethene

Concen: 1.387 ug/L

RT: 2.571 min Scan# 383

Delta R.T. -0.003 min

Lab File: VU050843.D

Acq: 20 Sep 2022 19:58

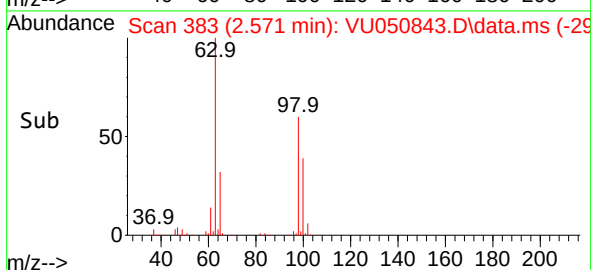
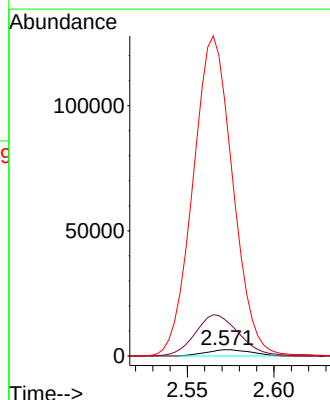
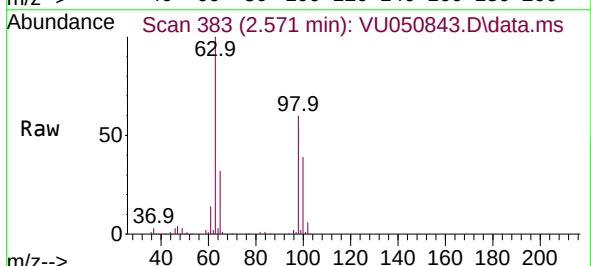
Tgt Ion: 96 Resp: 4523

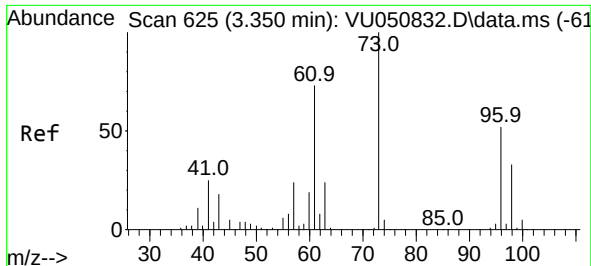
Ion Ratio Lower Upper

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# 61

Delta R.T. 0.010 min

Lab File: VU050843.D

Acq: 20 Sep 2022 19:58

Instrument :

MSVOA_U

ClientSampleId :

EXZ44

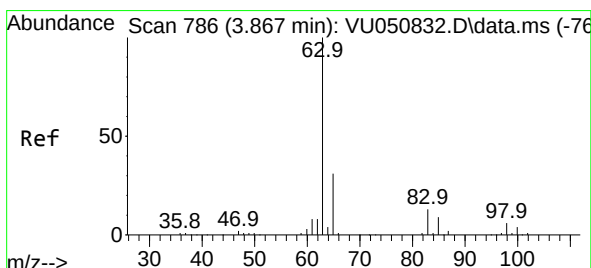
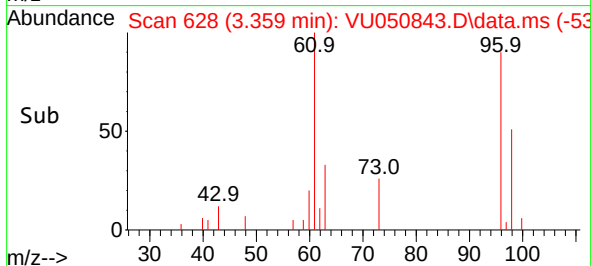
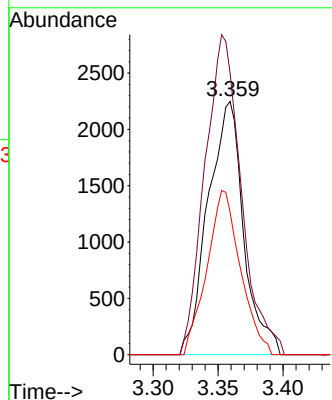
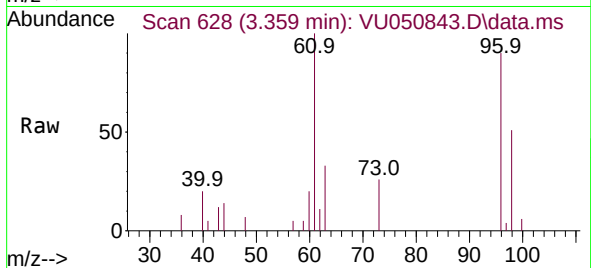
Tgt Ion: 96 Resp: 4274

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

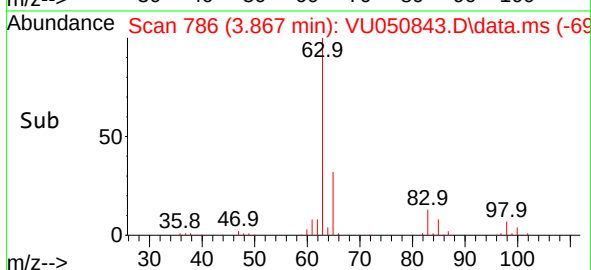
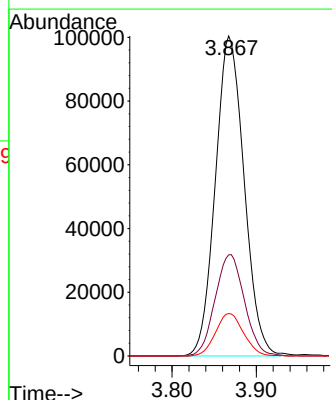
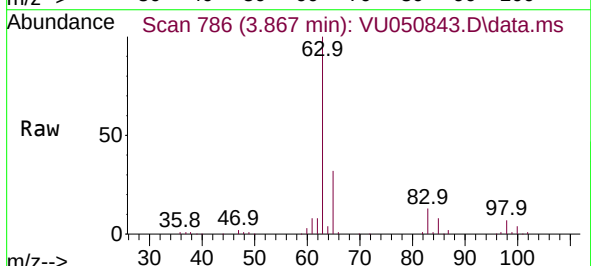
Tgt Ion: 63 Resp: 237355

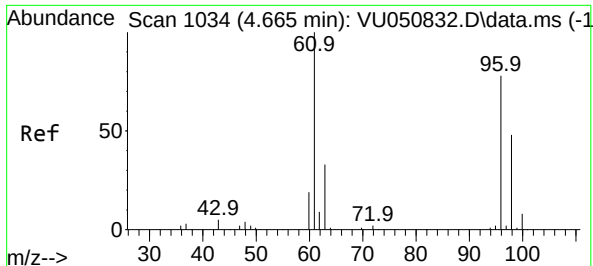
Ion Ratio Lower Upper

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

Instrument :

MSVOA_U

ClientSampleId :

EXZ44

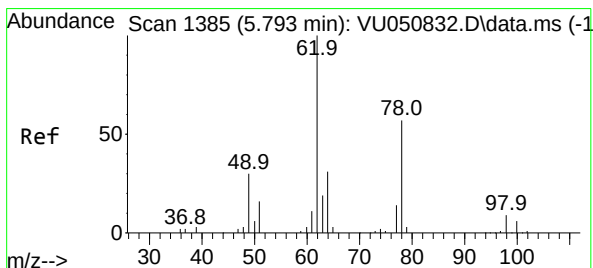
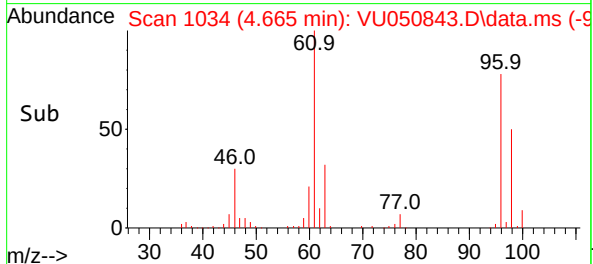
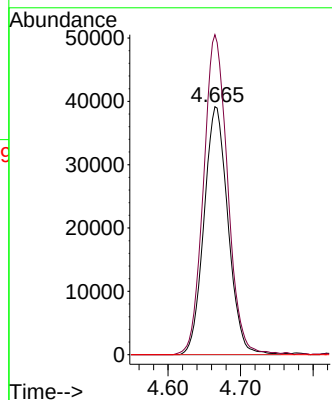
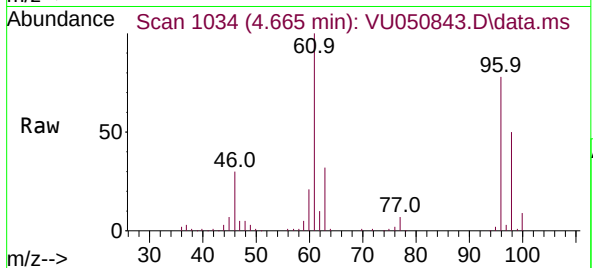
Tgt Ion: 96 Resp: 90041

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# 1386

Delta R.T. 0.003 min

Lab File: VU050843.D

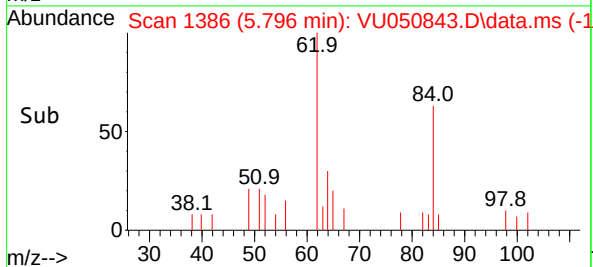
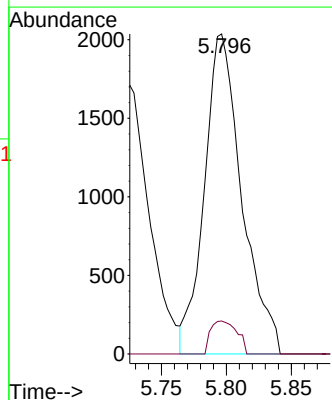
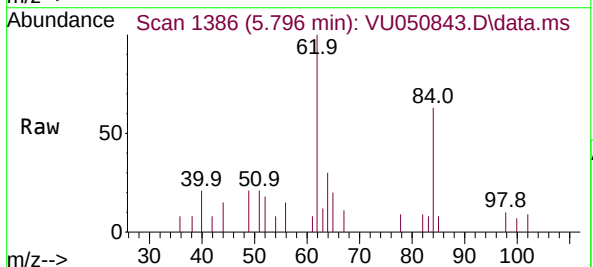
Acq: 20 Sep 2022 19:58

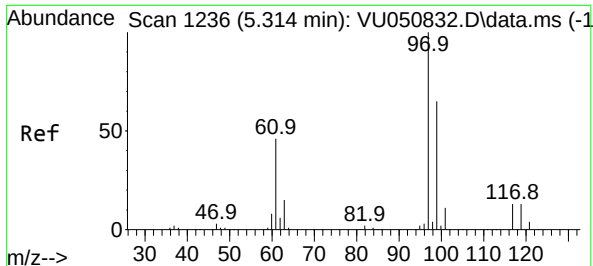
Tgt Ion: 62 Resp: 4078

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

Instrument :

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ClientSampleId :

EXZ44

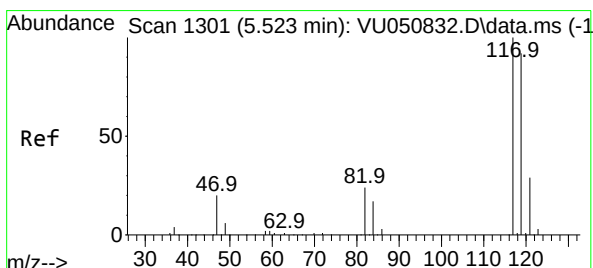
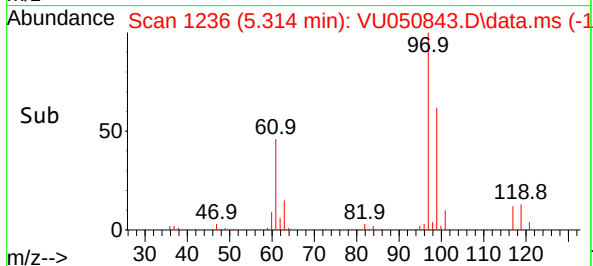
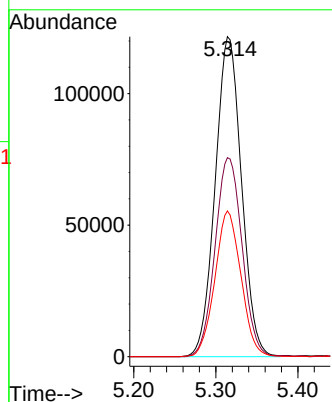
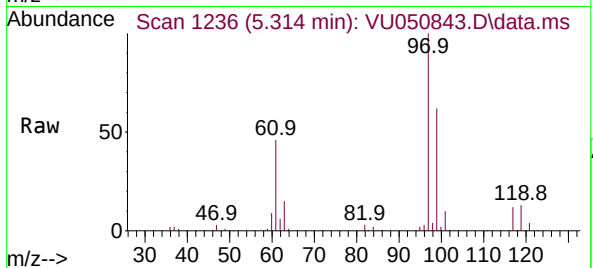
Tgt Ion: 97 Resp: 271375

Ion Ratio Lower Upper

97 100

99 63.9 52.2 78.2

61 45.1 37.1 55.7



#31

Carbon tetrachloride

Concen: 7.677 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.209 min

Lab File: VU050843.D

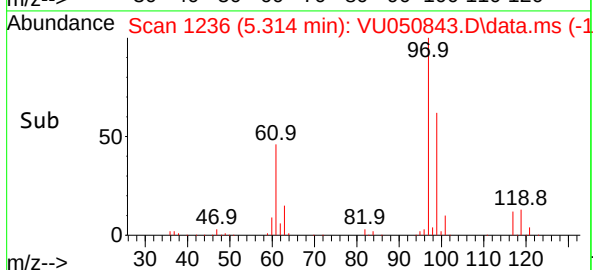
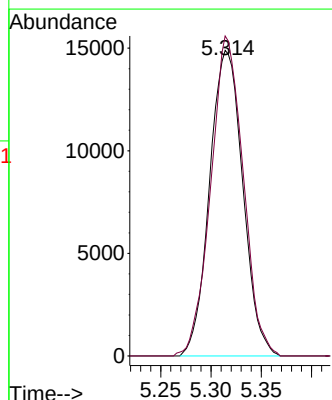
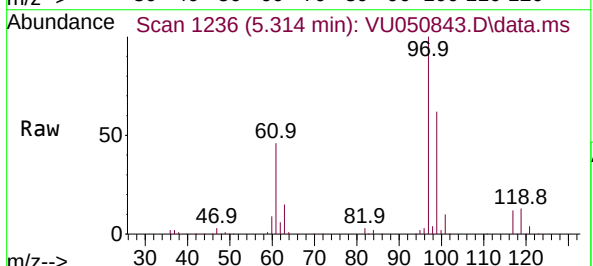
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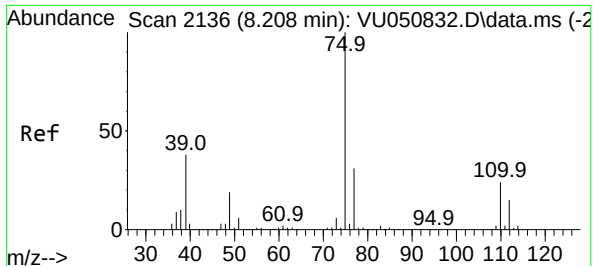
Tgt Ion: 117 Resp: 34224

Ion Ratio Lower Upper

117 100

119 102.3 76.0 114.0

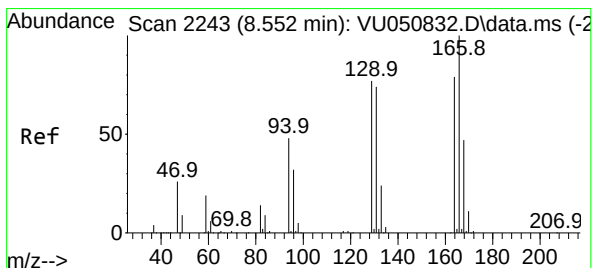
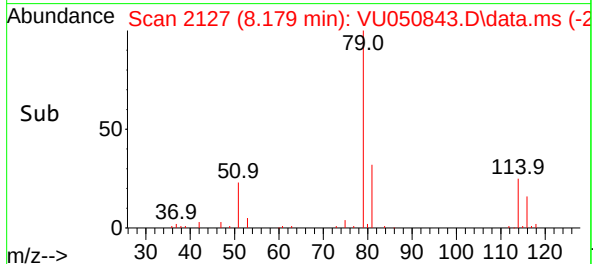
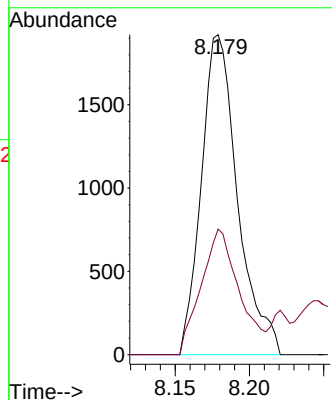
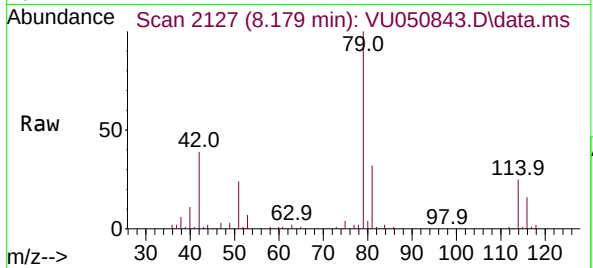




#44
trans-1,3-Dichloropropene
Concen: 0.631 ug/L
RT: 8.179 min Scan# 2136
Delta R.T. -0.029 min
Lab File: VU050843.D
Acq: 20 Sep 2022 19:58

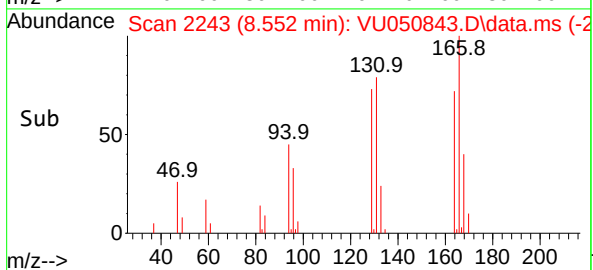
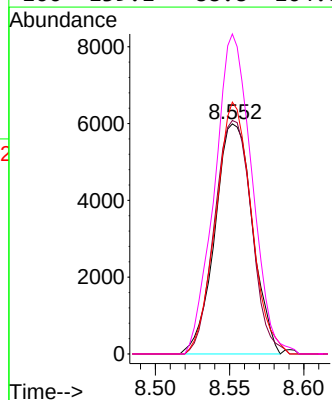
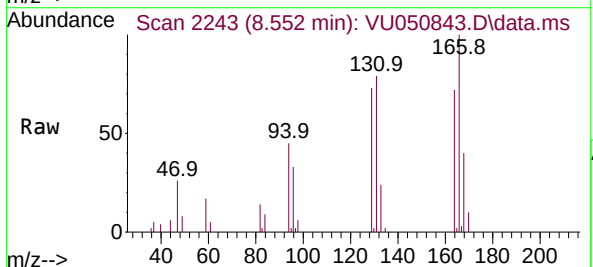
Instrument :
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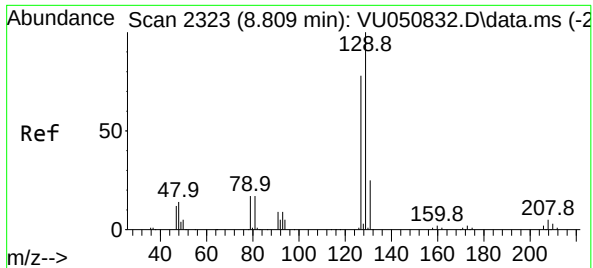
Tgt Ion: 75 Resp: 3262
Ion Ratio Lower Upper
75 100
77 39.3 21.9 40.7



#46
Tetrachloroethene
Concen: 4.247 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU050843.D
Acq: 20 Sep 2022 19:58

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





#49
 Dibromochloromethane
 Concen: 2.865 ug/L
 RT: 8.552 min Scan# 21
 Delta R.T. -0.257 min
 Lab File: VU050843.D
 Acq: 20 Sep 2022 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ44

Tgt Ion:129 Resp: 10514
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.5 101.1#

