

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050857.D
 Acq On : 21 Sep 2022 01:51
 Operator : JC/MD
 Sample : N4650-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

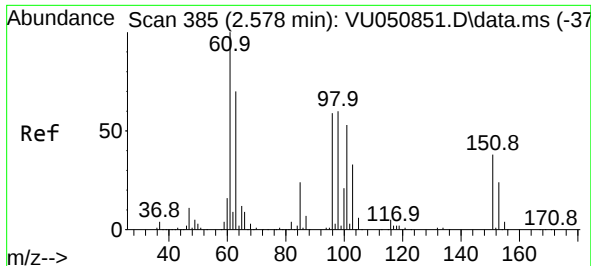
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ11

Quant Time: Sep 21 04:42:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 04:30:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	366087	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	357147	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	126633	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	165465	43.625	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	87.240%	
7) Chloroethane-d5	1.909	69	131219	48.577	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	97.160%	
11) 1,1-Dichloroethene-d2	2.565	63	208836	35.385	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	70.760%	
21) 2-Butanone-d5	4.623	46	299254	122.210	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	122.210%	
24) Chloroform-d	5.060	84	280584	47.205	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	94.400%	
26) 1,2-Dichloroethane-d4	5.700	65	179038	48.876	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	97.760%	
32) Benzene-d6	5.726	84	561349	47.719	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	95.440%	
36) 1,2-Dichloropropane-d6	6.690	67	194113	48.885	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	97.780%	
41) Toluene-d8	7.896	98	444608	43.238	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	86.480%	
43) trans-1,3-Dichloroprop...	8.179	79	72262	41.833	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	83.660%	
47) 2-Hexanone-d5	8.633	63	174603	106.702	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	106.700%	
56) 1,1,2,2-Tetrachloroeth...	10.755	84	289852	47.879	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	95.760%	
66) 1,2-Dichlorobenzene-d4	12.192	152	143263	54.033	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	108.060%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.578	96	17665	6.277	ug/L	# 1
19) 1,1-Dichloroethane	3.871	63	51677	8.866	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	20296	6.346	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	654325	137.712	ug/L	99
34) Trichloroethene	6.543	95	79838	26.150	ug/L	98
46) Tetrachloroethene	8.552	164	173360	79.016	ug/L	97

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



#12

1,1-Dichloroethene

Concen: 6.277 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

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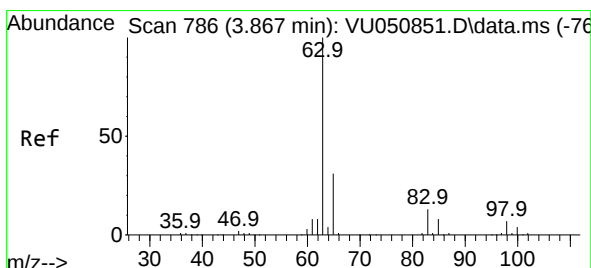
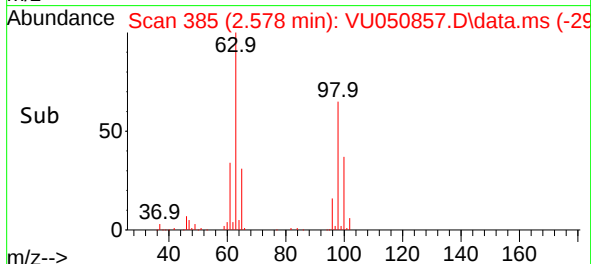
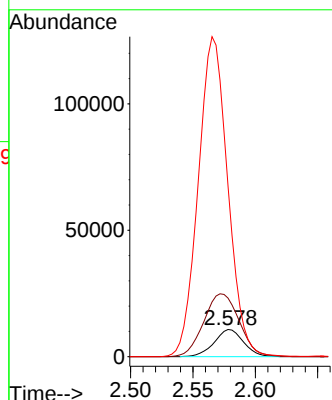
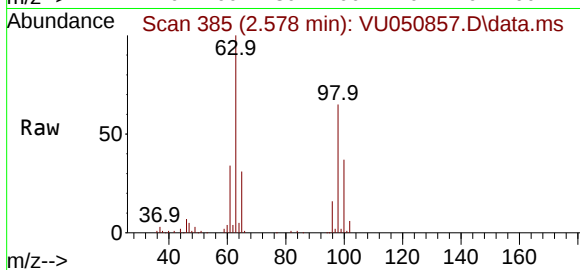
Tgt Ion: 96 Resp: 17665

Ion Ratio Lower Upper

96 100

61 214.8 118.6 220.2

63 625.4 90.4 168.0#



#19

1,1-Dichloroethane

Concen: 8.866 ug/L

RT: 3.871 min Scan# 787

Delta R.T. 0.003 min

Lab File: VU050857.D

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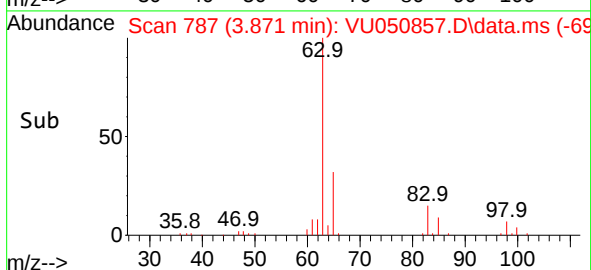
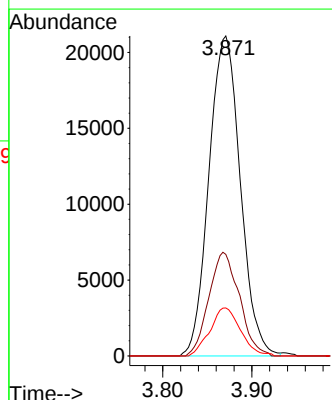
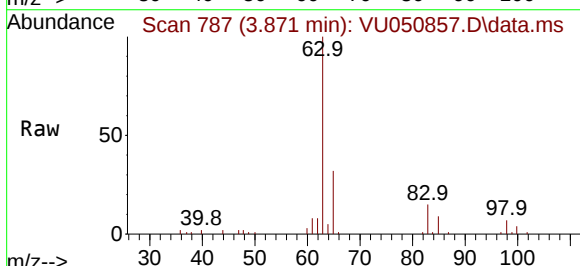
Tgt Ion: 63 Resp: 51677

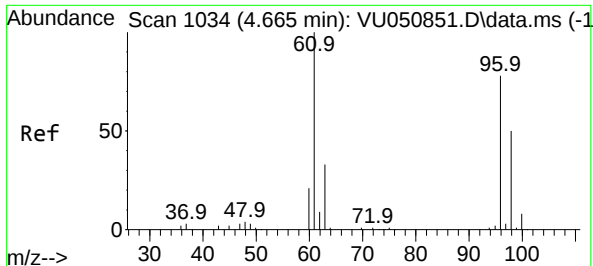
Ion Ratio Lower Upper

63 100

65 31.8 21.5 39.9

83 15.0 9.3 17.3

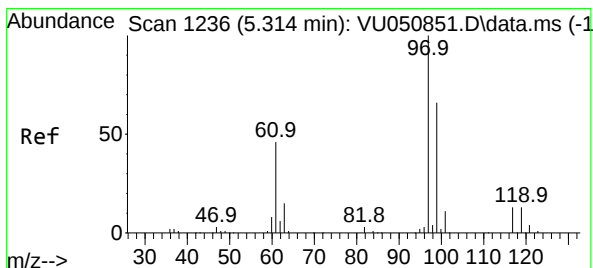
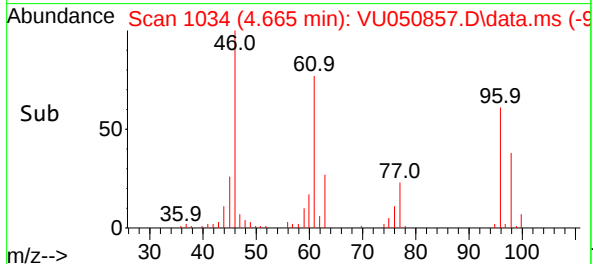
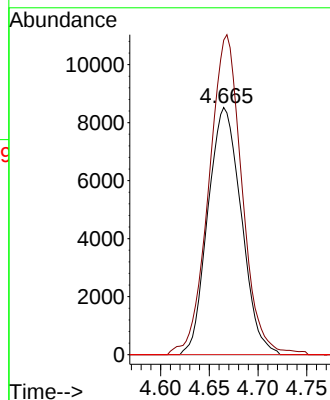
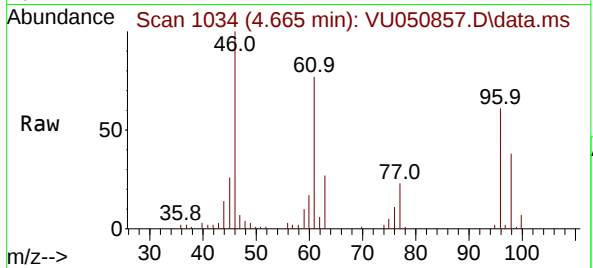




#20
 cis-1,2-Dichloroethene
 Concen: 6.346 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU050857.D
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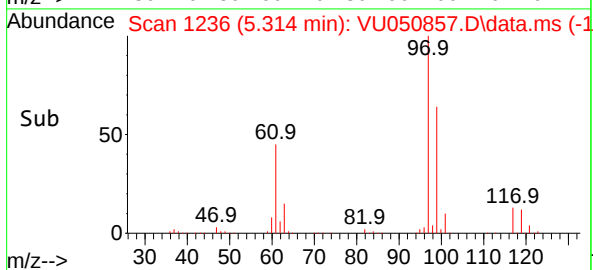
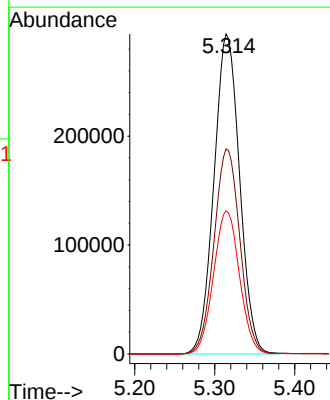
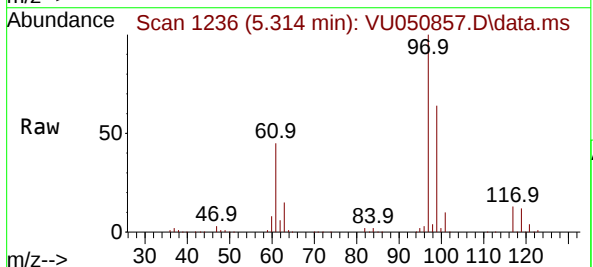
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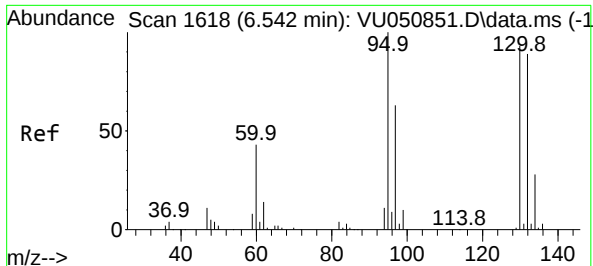
Tgt Ion: 96 Resp: 20296
 Ion Ratio Lower Upper
 96 100
 61 127.2 90.1 167.3
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 137.712 ug/L
 RT: 5.314 min Scan# 1236
 Delta R.T. 0.000 min
 Lab File: VU050857.D
 Acq: 21 Sep 2022 01:51

Tgt Ion: 97 Resp: 654325
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.2 78.2
 61 45.2 37.1 55.7





#34

Trichloroethene

Concen: 26.150 ug/L

RT: 6.543 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050857.D

Acq: 21 Sep 2022 01:51

Instrument :

MSVOA_U

ClientSampleId :

EXZ11

Tgt Ion: 95 Resp: 79838

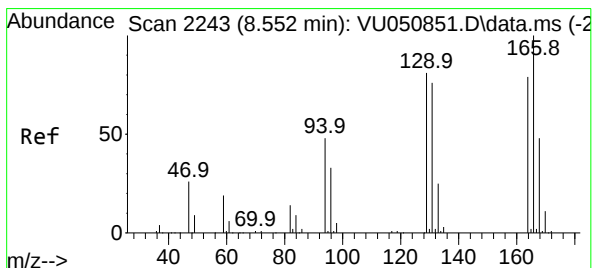
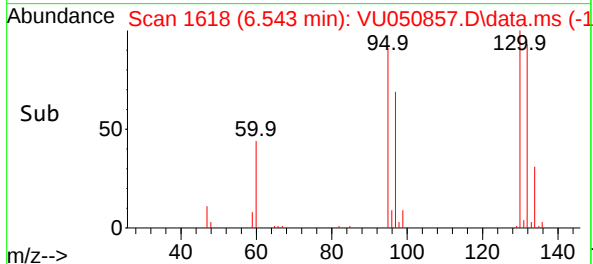
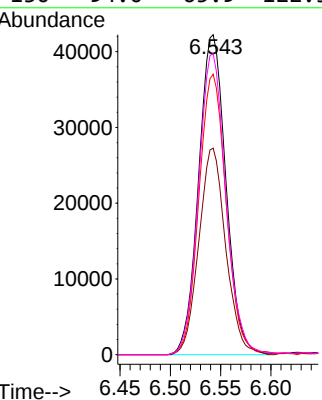
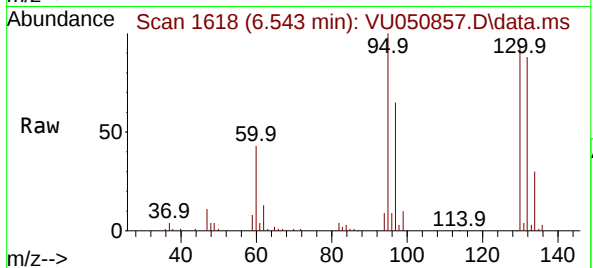
Ion Ratio Lower Upper

95 100

97 64.5 43.9 81.5

132 87.7 63.1 117.1

130 94.0 65.9 122.3



#46

Tetrachloroethene

Concen: 79.016 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU050857.D

Acq: 21 Sep 2022 01:51

Tgt Ion:164 Resp: 173360

Ion Ratio Lower Upper

164 100

129 100.9 68.5 127.3

131 97.5 66.1 122.7

166 128.7 88.8 164.8

