

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041423\
 Data File : VU053723.D
 Acq On : 14 Apr 2023 19:05
 Operator : JC/MD
 Sample : 02340-04DL 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

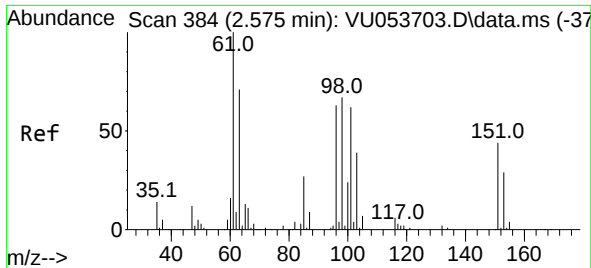
Instrument :
 MSVOA_U
 ClientSampleId :
 BHE05DL

Quant Time: Apr 15 05:35:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 15 05:28:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	140755	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	132414	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	65508	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	50380	5.203	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	104.000%	
7) Chloroethane-d5	1.912	69	41483	4.720	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	94.400%	
11) 1,1-Dichloroethene-d2	2.565	65	18963	4.597	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	92.000%	
20) 2-Butanone-d5	4.629	46	87722	39.545	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	79.100%	
24) Chloroform-d	5.060	84	81630	4.547	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.000%	
26) 1,2-Dichloroethane-d4	5.697	65	40139	4.363	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	87.200%	
32) Benzene-d6	5.722	84	164335	4.379	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	87.600%	
36) 1,2-Dichloropropane-d6	6.687	67	50894	4.451	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	89.000%	
41) Toluene-d8	7.896	98	151005	4.265	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	85.400%	
43) trans-1,3-Dichloroprop...	8.179	79	18534	4.224	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	84.400%	
46) 2-Hexanone-d5	8.629	63	78878	44.255	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	88.520%	
56) 1,1,2,2-Tetrachloroeth...	10.754	84	38040	3.997	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	80.000%	
66) 1,2-Dichlorobenzene-d4	12.192	152	52482	4.453	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	89.000%	
Target Compounds						
12) 1,1-Dichloroethene	2.575	96	3562	0.447	ug/L #	1
19) 1,1-Dichloroethane	3.867	63	2723	0.179	ug/L #	94
22) cis-1,2-Dichloroethene	4.661	96	12759	1.144	ug/L	96
29) 1,1,1-Trichloroethane	5.311	97	1660	0.127	ug/L #	88
34) Trichloroethene	6.539	95	65888	6.974	ug/L	98
47) Tetrachloroethene	8.549	164	73447	10.580	ug/L	94

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



#12

1,1-Dichloroethene

Concen: 0.447 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

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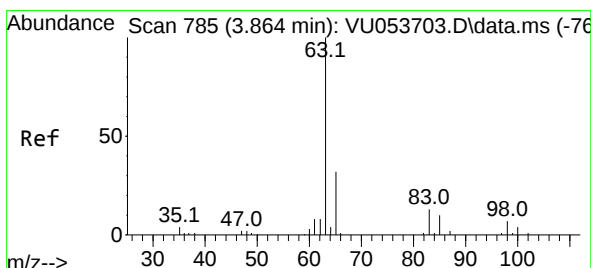
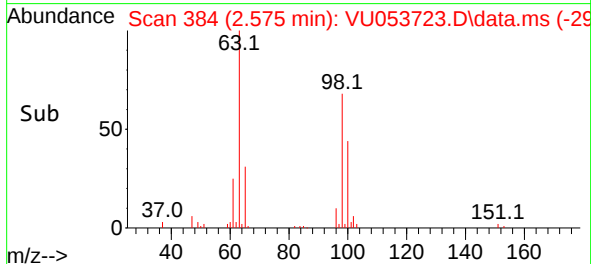
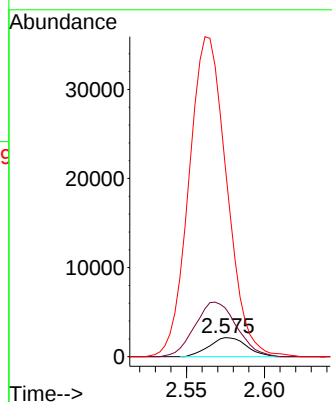
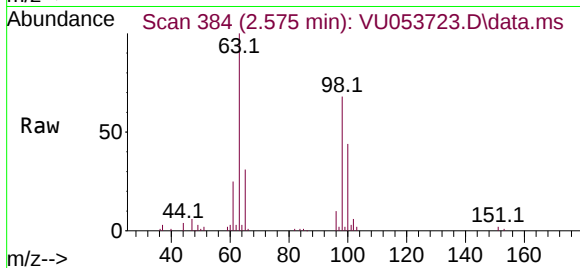
Tgt Ion: 96 Resp: 3562

Ion Ratio Lower Upper

96 100

61 257.4 116.8 216.8#

63 1015.2 88.6 164.6#



#19

1,1-Dichloroethane

Concen: 0.179 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU053723.D

Acq: 14 Apr 2023 19:05

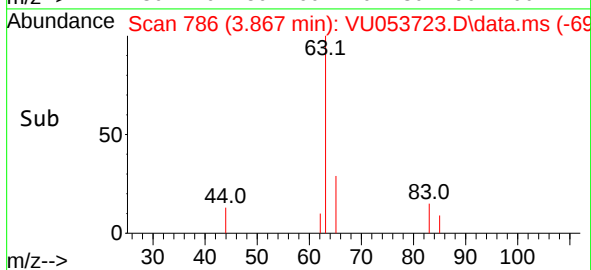
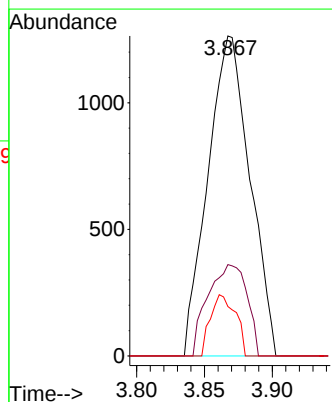
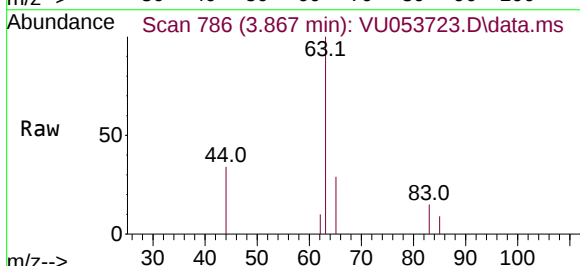
Tgt Ion: 63 Resp: 2723

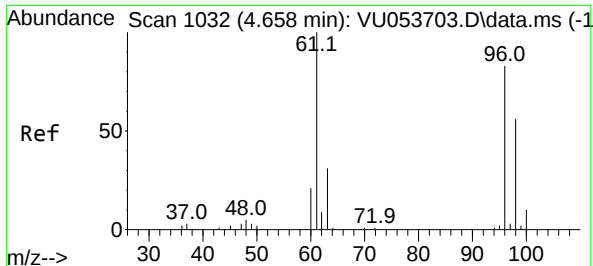
Ion Ratio Lower Upper

63 100

65 28.6 21.7 40.3

83 15.4 8.1 15.1#





#22

cis-1,2-Dichloroethene

Concen: 1.144 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. 0.003 min

Lab File: VU053723.D

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MSVOA_U

ClientSampleId :

BHE05DL

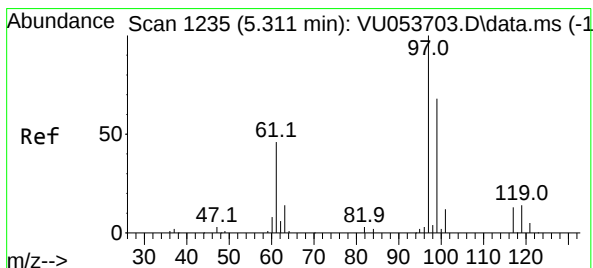
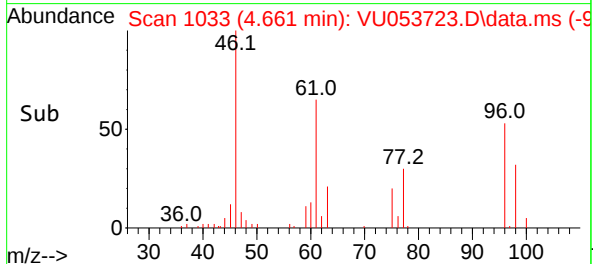
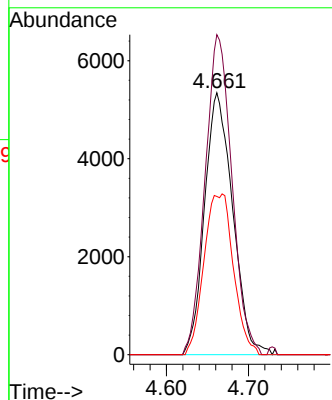
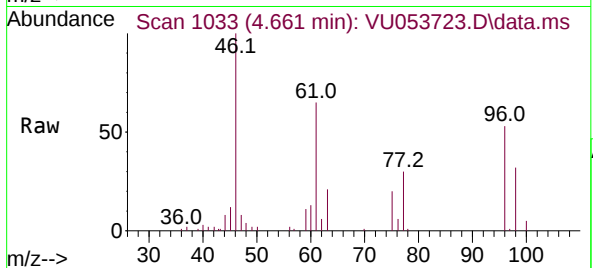
Tgt Ion: 96 Resp: 12759

Ion Ratio Lower Upper

96 100

61 122.1 86.6 160.8

98 60.4 47.7 88.5



#29

1,1,1-Trichloroethane

Concen: 0.127 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

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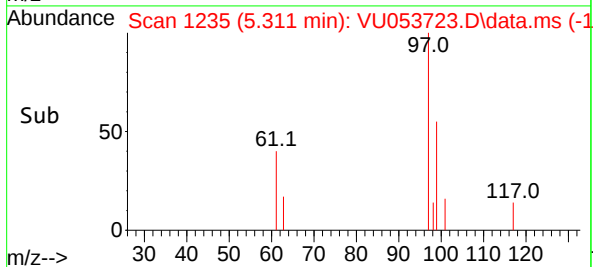
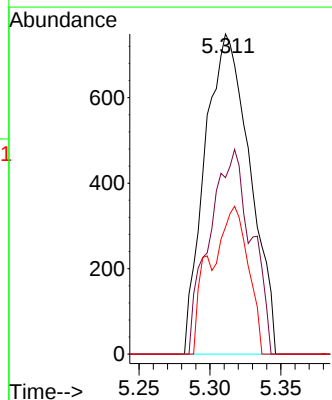
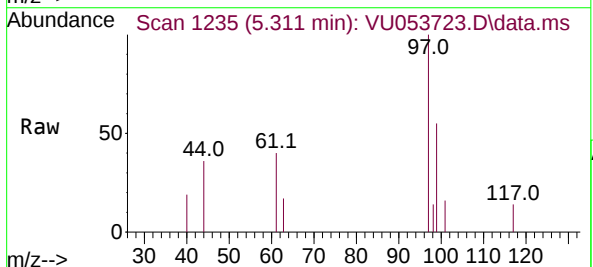
Tgt Ion: 97 Resp: 1660

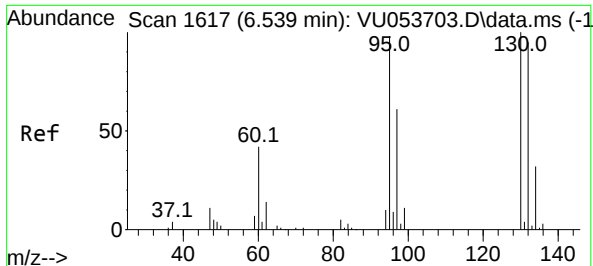
Ion Ratio Lower Upper

97 100

99 59.6 49.9 74.9

61 29.2 35.7 53.5#

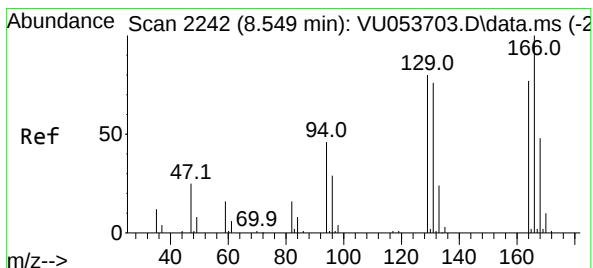
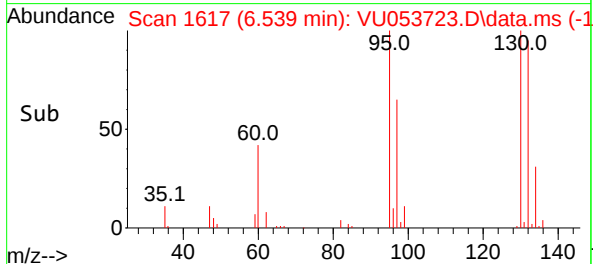
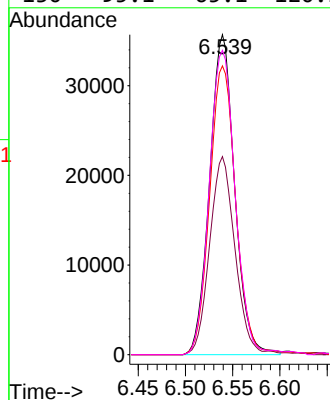
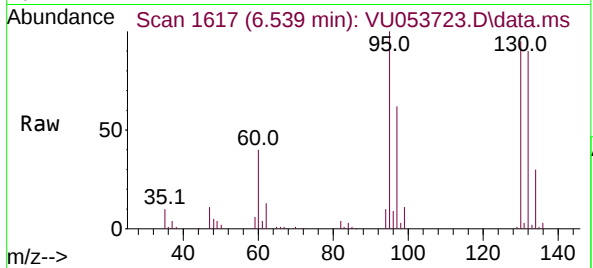




#34
Trichloroethene
Concen: 6.974 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
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Instrument :
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Tgt Ion: 95 Resp: 65888
Ion Ratio Lower Upper
95 100
97 61.9 45.3 84.1
132 90.3 62.8 116.6
130 95.1 65.1 120.9



#47
Tetrachloroethene
Concen: 10.580 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053723.D
Acq: 14 Apr 2023 19:05

Tgt Ion:164 Resp: 73447
Ion Ratio Lower Upper
164 100
129 99.7 74.8 138.8
131 96.2 70.1 130.1
166 131.8 87.3 162.1

