

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121923\
 Data File : VU057036.D
 Acq On : 19 Dec 2023 11:56
 Operator : MD/SY
 Sample : 05830-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AC4

Quant Time: Dec 20 04:55:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 20 04:54:16 2023
 Response via : Initial Calibration

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

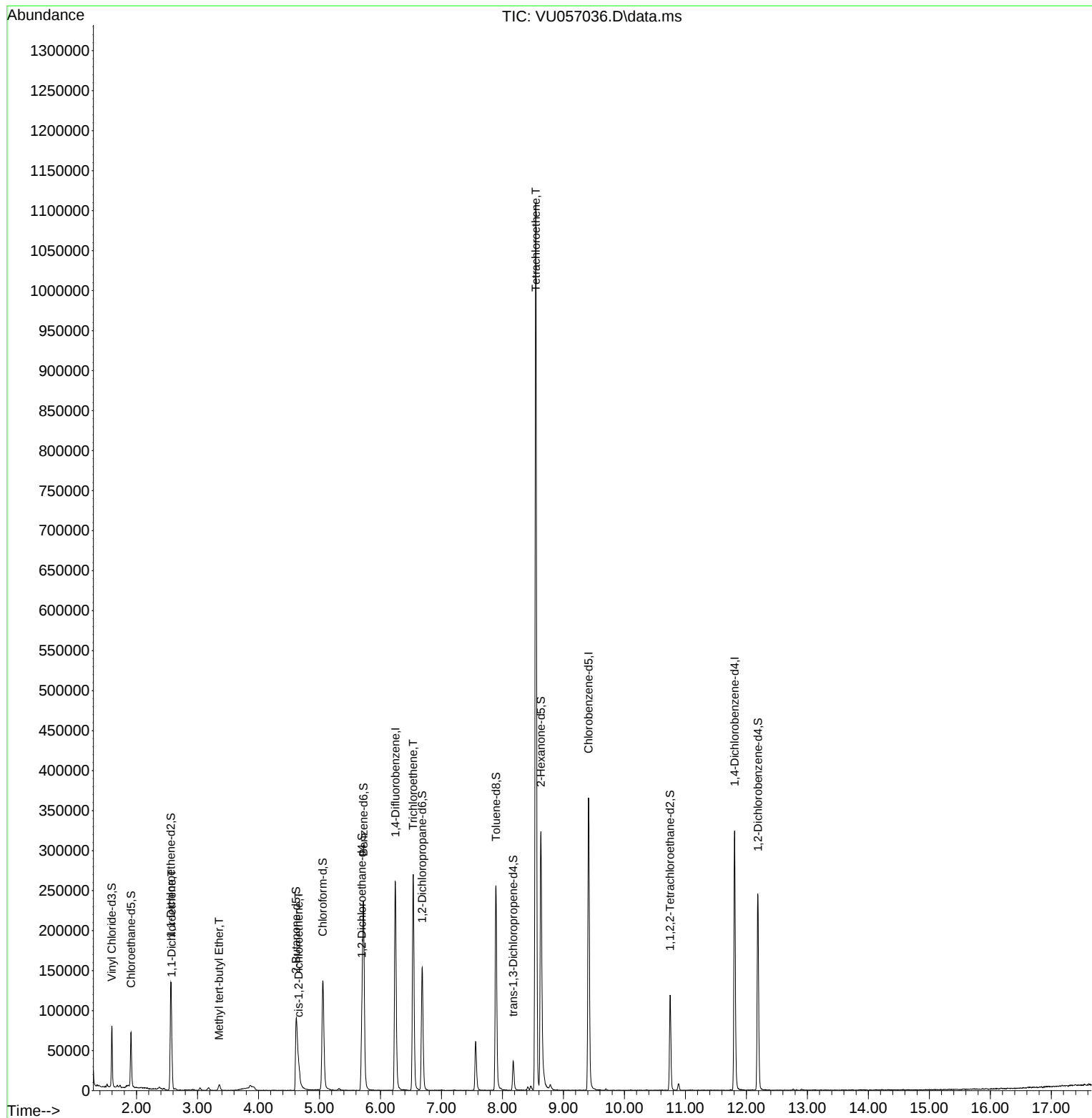
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	212583	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	216639	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	86113	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	52240	2.867	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.400%
7) Chloroethane-d5	1.911	69	49668	3.642	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.800%
11) 1,1-Dichloroethene-d2	2.563	65	24001	3.079	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.600%
20) 2-Butanone-d5	4.618	46	150714	41.882	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.760%
24) Chloroform-d	5.055	84	133258	3.862	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.200%
26) 1,2-Dichloroethane-d4	5.695	65	68051	4.168	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.400%
32) Benzene-d6	5.721	84	223599	3.328	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	66.600%#
36) 1,2-Dichloropropane-d6	6.685	67	73956	3.516	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	70.400%
41) Toluene-d8	7.894	98	177883	2.962	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	59.200%#
43) trans-1,3-Dichloroprop...	8.177	79	23651	2.900	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	58.000%
46) 2-Hexanone-d5	8.630	63	108240	35.186	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.380%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	59094	3.883	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	65247	3.854	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	77.000%#
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.576	96	10508	0.609	ug/L #	1
17) Methyl tert-butyl Ether	3.354	73	8110	0.212	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	7235	0.380	ug/L	87
34) Trichloroethene	6.537	95	99475	4.763	ug/L	98
47) Tetrachloroethene	8.547	164	239079	16.357	ug/L	97

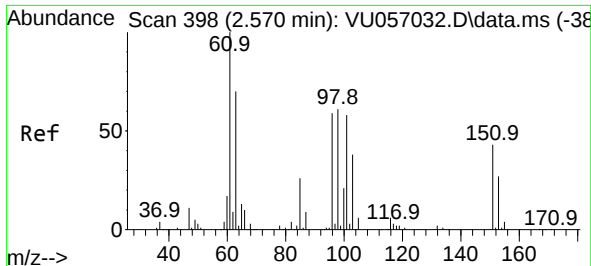
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.609 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.006 min

Lab File: VU057036.D

Acq: 19 Dec 2023 11:56

Instrument :

MSVOA_U

ClientSampleId :

H0AC4

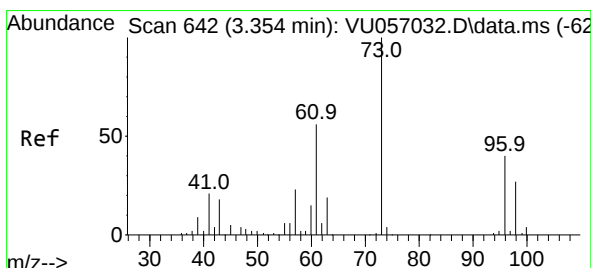
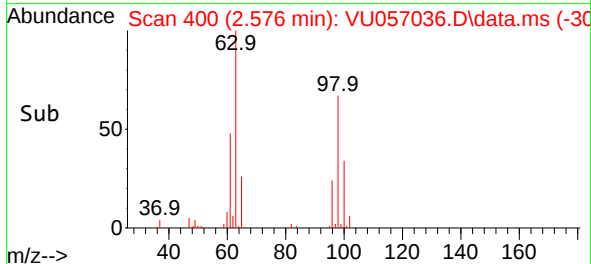
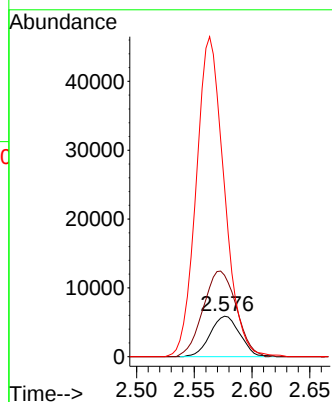
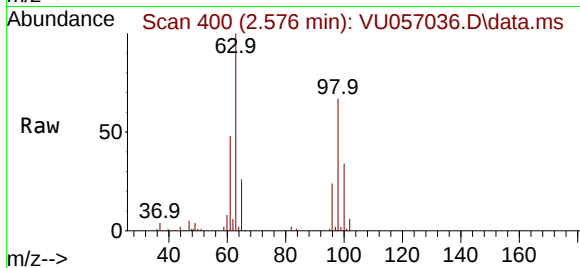
Tgt Ion: 96 Resp: 10508

Ion Ratio Lower Upper

96 100

61 201.5 119.0 221.0

63 420.5 88.7 164.7#



#17

Methyl tert-butyl Ether

Concen: 0.212 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.000 min

Lab File: VU057036.D

Acq: 19 Dec 2023 11:56

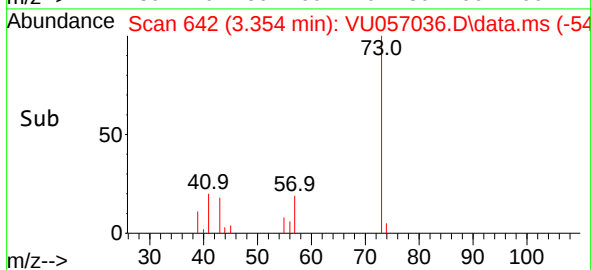
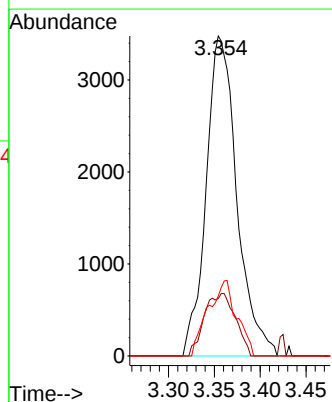
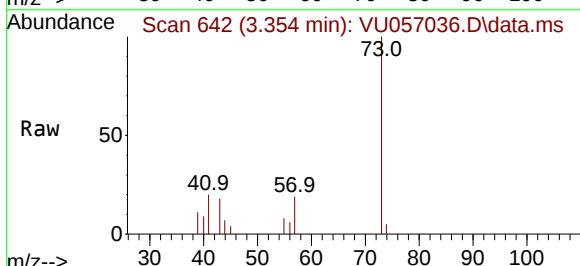
Tgt Ion: 73 Resp: 8110

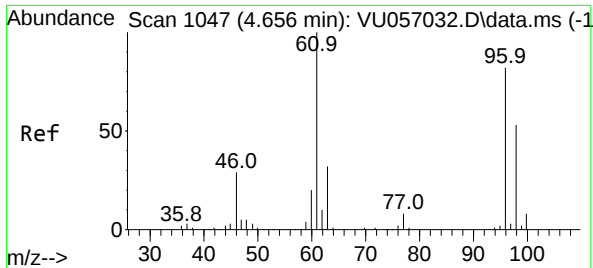
Ion Ratio Lower Upper

73 100

43 19.7 14.4 21.6

57 22.0 17.8 26.8





#22

cis-1,2-Dichloroethene

Concen: 0.380 ug/L

RT: 4.660 min Scan# 1047

Delta R.T. 0.003 min

Lab File: VU057036.D

Acq: 19 Dec 2023 11:56

Instrument :

MSVOA_U

ClientSampleId :

H0AC4

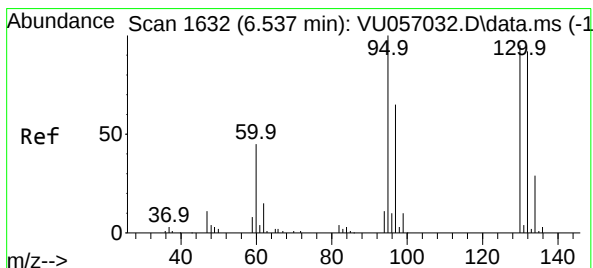
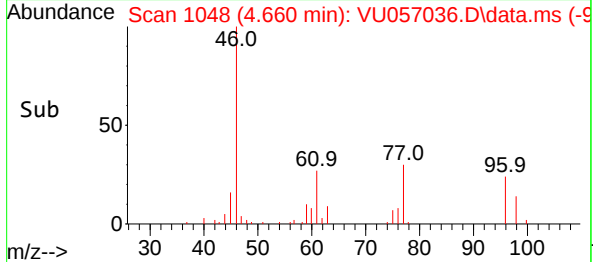
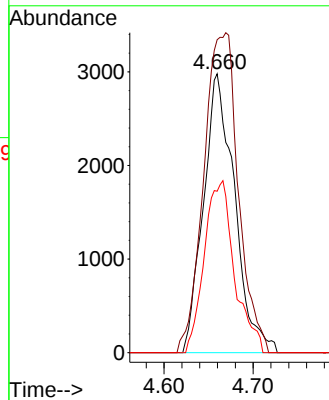
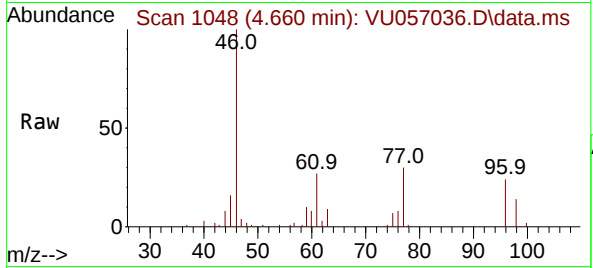
Tgt Ion: 96 Resp: 7235

Ion Ratio Lower Upper

96 100

61 112.2 91.3 169.6

98 57.9 44.2 82.0



#34

Trichloroethene

Concen: 4.763 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VU057036.D

Acq: 19 Dec 2023 11:56

Tgt Ion: 95 Resp: 99475

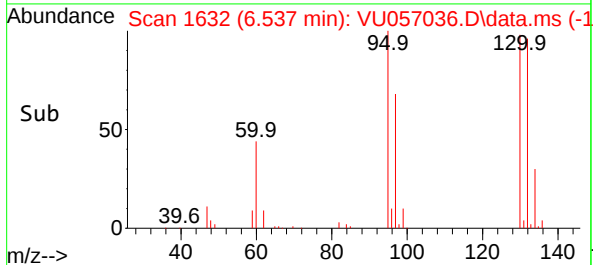
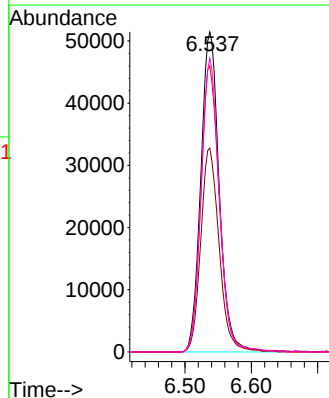
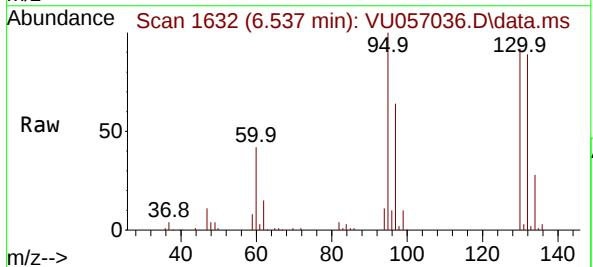
Ion Ratio Lower Upper

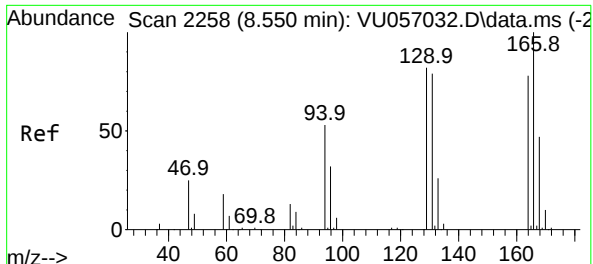
95 100

97 63.7 46.1 85.5

132 89.4 63.6 118.0

130 91.7 66.4 123.4





#47
 Tetrachloroethene
 Concen: 16.357 ug/L
 RT: 8.547 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU057036.D
 Acq: 19 Dec 2023 11:56

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AC4

Tgt Ion:164 Resp: 239079

Ion	Ratio	Lower	Upper
164	100		
129	103.0	73.4	136.4
131	100.5	71.5	132.9
166	126.9	92.7	172.1

