

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011323\
 Data File : VU052685.D
 Acq On : 13 Jan 2023 17:23
 Operator : JC/MD
 Sample : 01139-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH1Z4

Quant Time: Jan 13 22:27:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 11 00:53:59 2023
 Response via : Initial Calibration

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

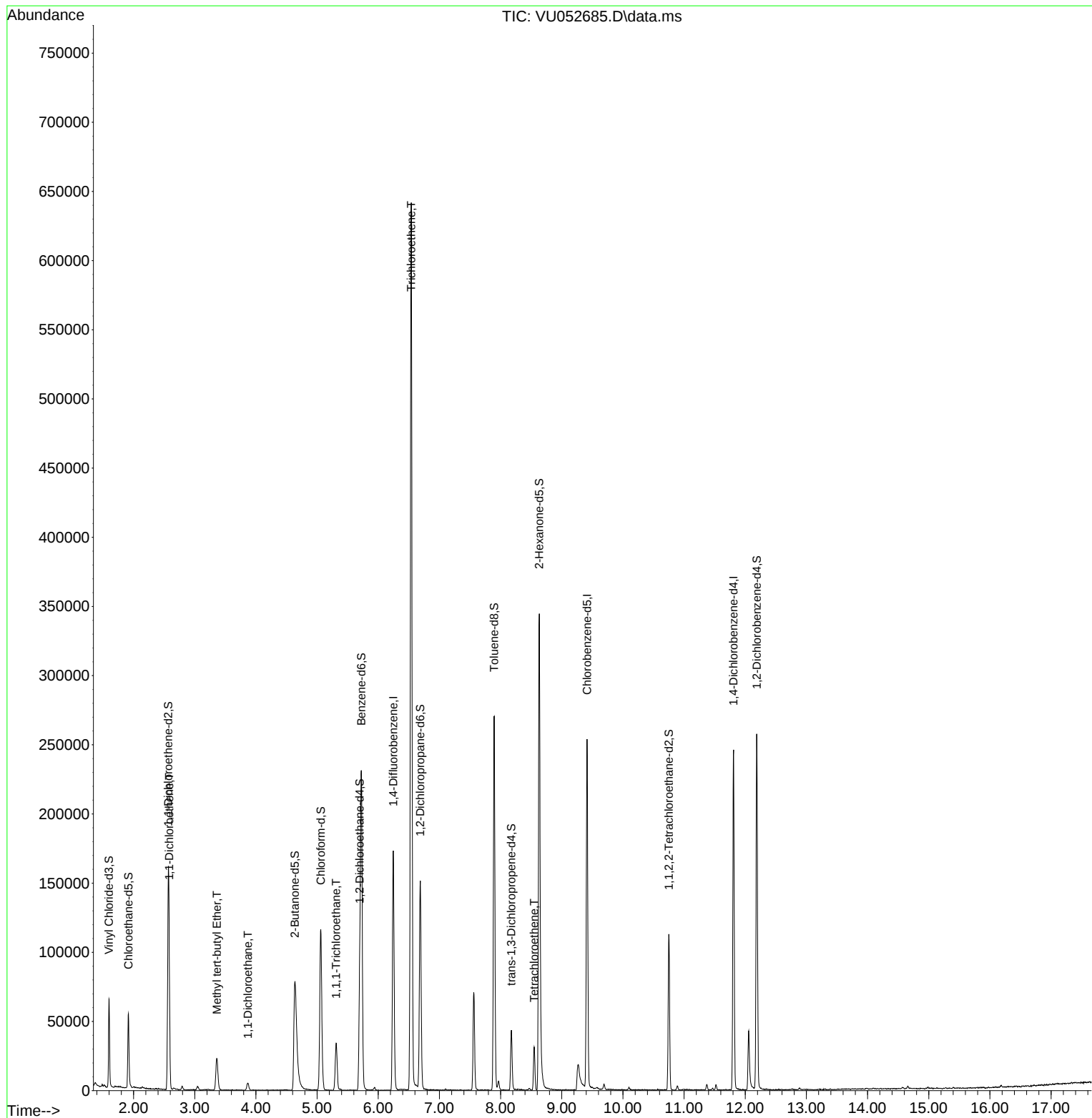
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	137782	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	137093	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	64482	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	47712	3.942	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.800%
7) Chloroethane-d5	1.916	69	43381	4.399	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.000%
11) 1,1-Dichloroethene-d2	2.568	65	23012	4.317	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.400%
20) 2-Butanone-d5	4.636	46	163015	50.367	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.740%
24) Chloroform-d	5.060	84	110272	4.884	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.697	65	60096	5.183	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.723	84	215533	4.851	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.687	67	73385	4.956	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.896	98	177649	4.535	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	8.176	79	25418	4.616	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.400%
46) 2-Hexanone-d5	8.632	63	116214	50.806	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.620%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	56063	4.945	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	12.188	152	67712	5.768	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.400%
Target Compounds						
12) 1,1-Dichloroethene	2.581	96	24296	2.034	ug/L	# 77
17) Methyl tert-butyl Ether	3.362	73	25651	0.970	ug/L	99
19) 1,1-Dichloroethane	3.867	63	6684	0.264	ug/L	91
29) 1,1,1-Trichloroethane	5.311	97	25055	1.165	ug/L	98
34) Trichloroethene	6.539	95	217639	16.956	ug/L	98
47) Tetrachloroethene	8.549	164	6822	0.721	ug/L	94

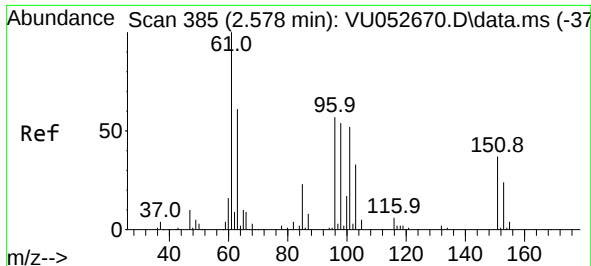
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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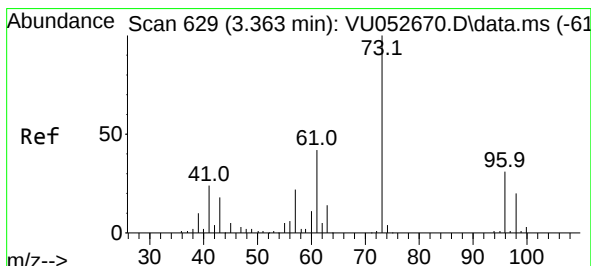
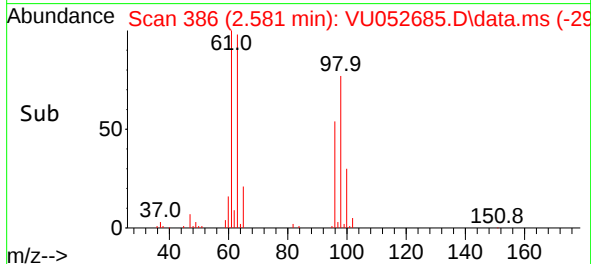
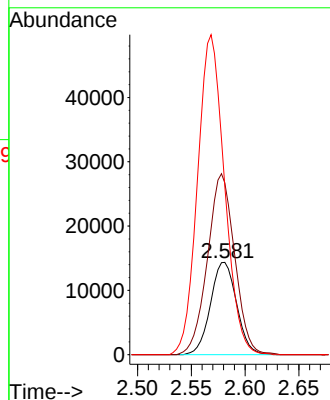
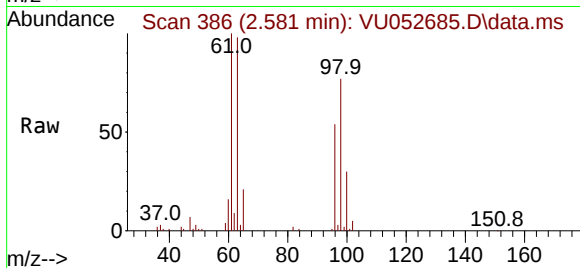




#12
1,1-Dichloroethene
Concen: 2.034 ug/L
RT: 2.581 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU052685.D
Acq: 13 Jan 2023 17:23

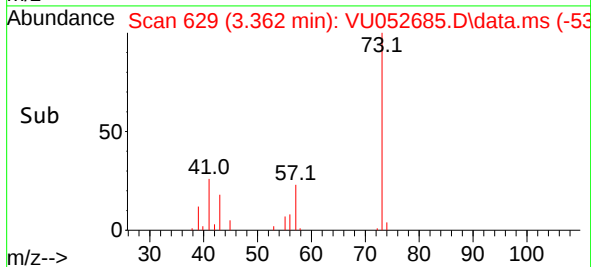
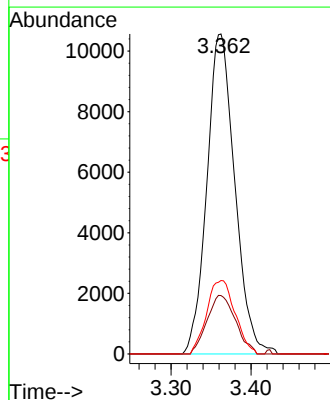
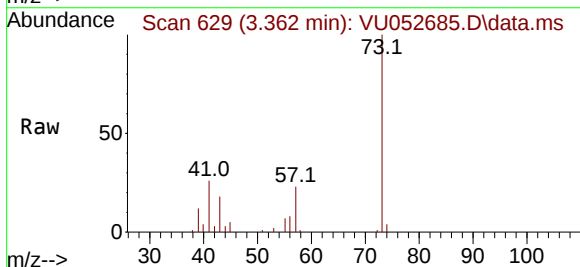
Instrument :
MSVOA_U
ClientSampleId :
BH1Z4

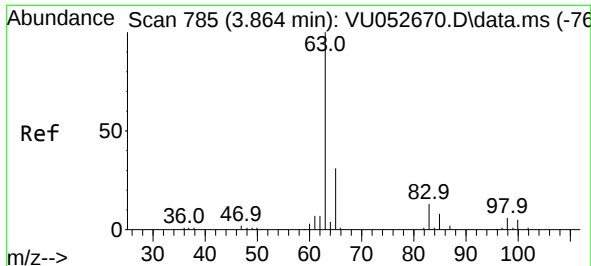
Tgt Ion: 96 Resp: 24296
Ion Ratio Lower Upper
96 100
61 186.0 129.6 240.8
63 182.3 83.7 155.5#



#17
Methyl tert-butyl Ether
Concen: 0.970 ug/L
RT: 3.362 min Scan# 629
Delta R.T. 0.003 min
Lab File: VU052685.D
Acq: 13 Jan 2023 17:23

Tgt Ion: 73 Resp: 25651
Ion Ratio Lower Upper
73 100
43 18.7 15.8 23.8
57 23.3 18.6 28.0





#19

1,1-Dichloroethane

Concen: 0.264 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU052685.D

Acq: 13 Jan 2023 17:23

Instrument :

MSVOA_U

ClientSampleId :

BH1Z4

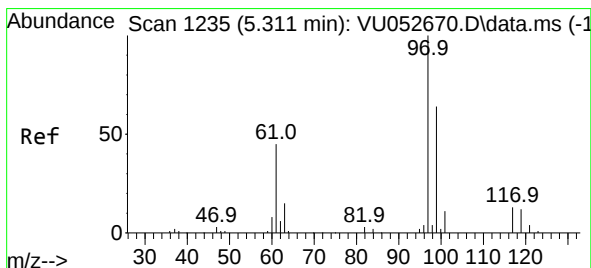
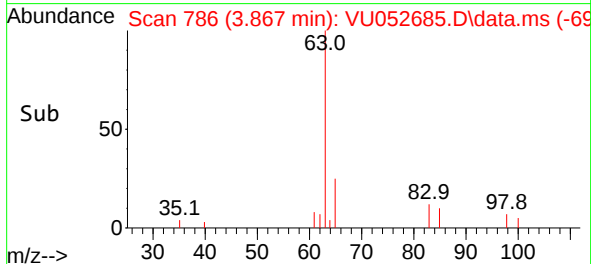
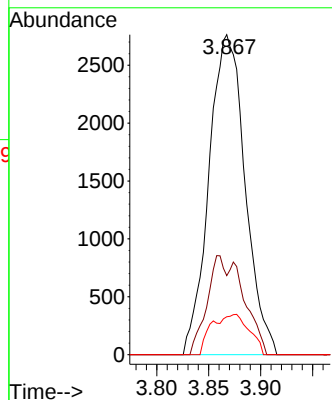
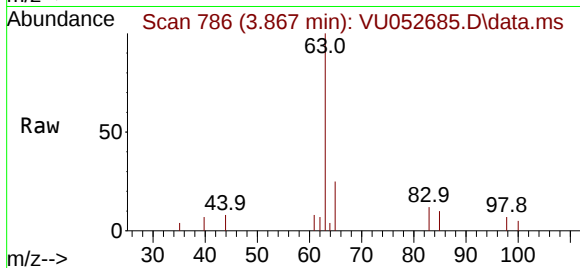
Tgt Ion: 63 Resp: 6684

Ion Ratio Lower Upper

63 100

65 24.7 22.0 41.0

83 11.9 8.9 16.5



#29

1,1,1-Trichloroethane

Concen: 1.165 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU052685.D

Acq: 13 Jan 2023 17:23

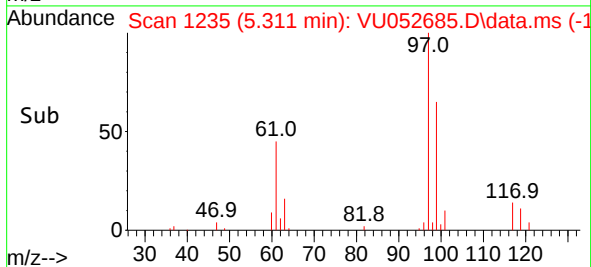
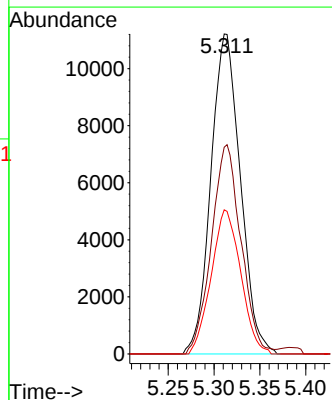
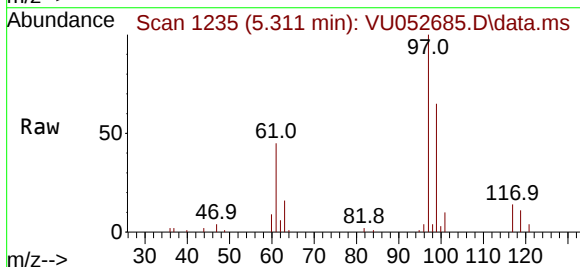
Tgt Ion: 97 Resp: 25055

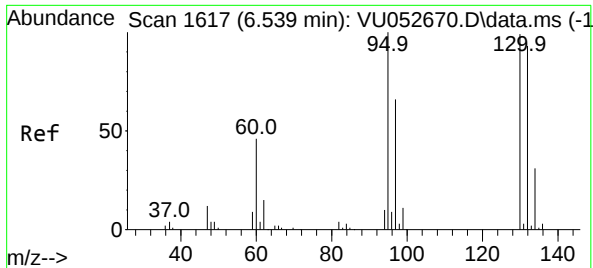
Ion Ratio Lower Upper

97 100

99 65.5 52.4 78.6

61 45.2 38.5 57.7





#34

Trichloroethene

Concen: 16.956 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052685.D

Acq: 13 Jan 2023 17:23

Instrument :

MSVOA_U

ClientSampleId :

BH1Z4

Tgt Ion: 95 Resp: 217639

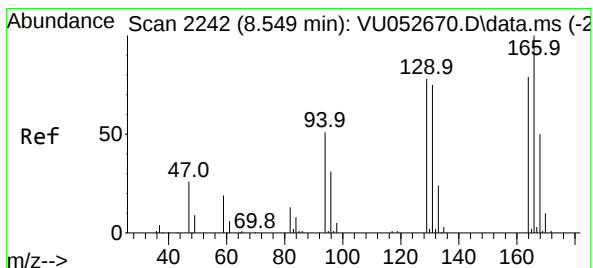
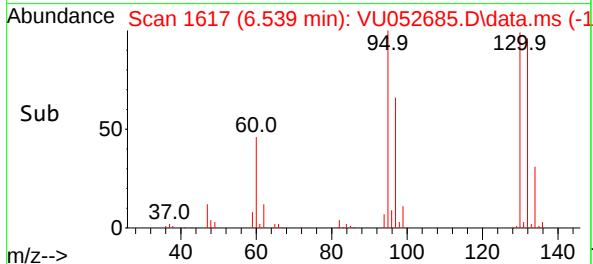
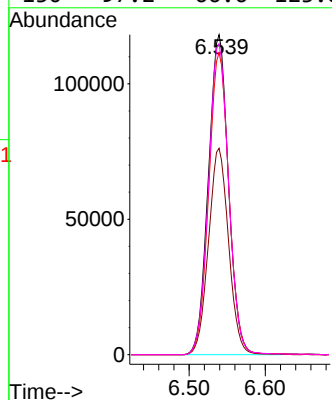
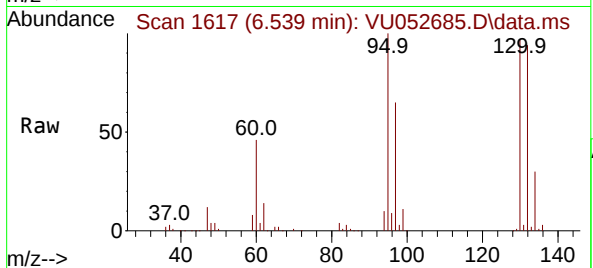
Ion Ratio Lower Upper

95 100

97 64.5 46.0 85.4

132 94.4 64.0 118.8

130 97.2 66.6 123.8



#47

Tetrachloroethene

Concen: 0.721 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU052685.D

Acq: 13 Jan 2023 17:23

Tgt Ion:164 Resp: 6822

Ion Ratio Lower Upper

164 100

129 94.7 71.8 133.4

131 94.1 66.6 123.6

166 137.2 89.9 167.0

