

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056816.D
 Acq On : 13 Dec 2023 04:37
 Operator : MD/SY
 Sample : 05677-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AC9

Quant Time: Dec 13 05:02:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 01:32:29 2023
 Response via : Initial Calibration

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

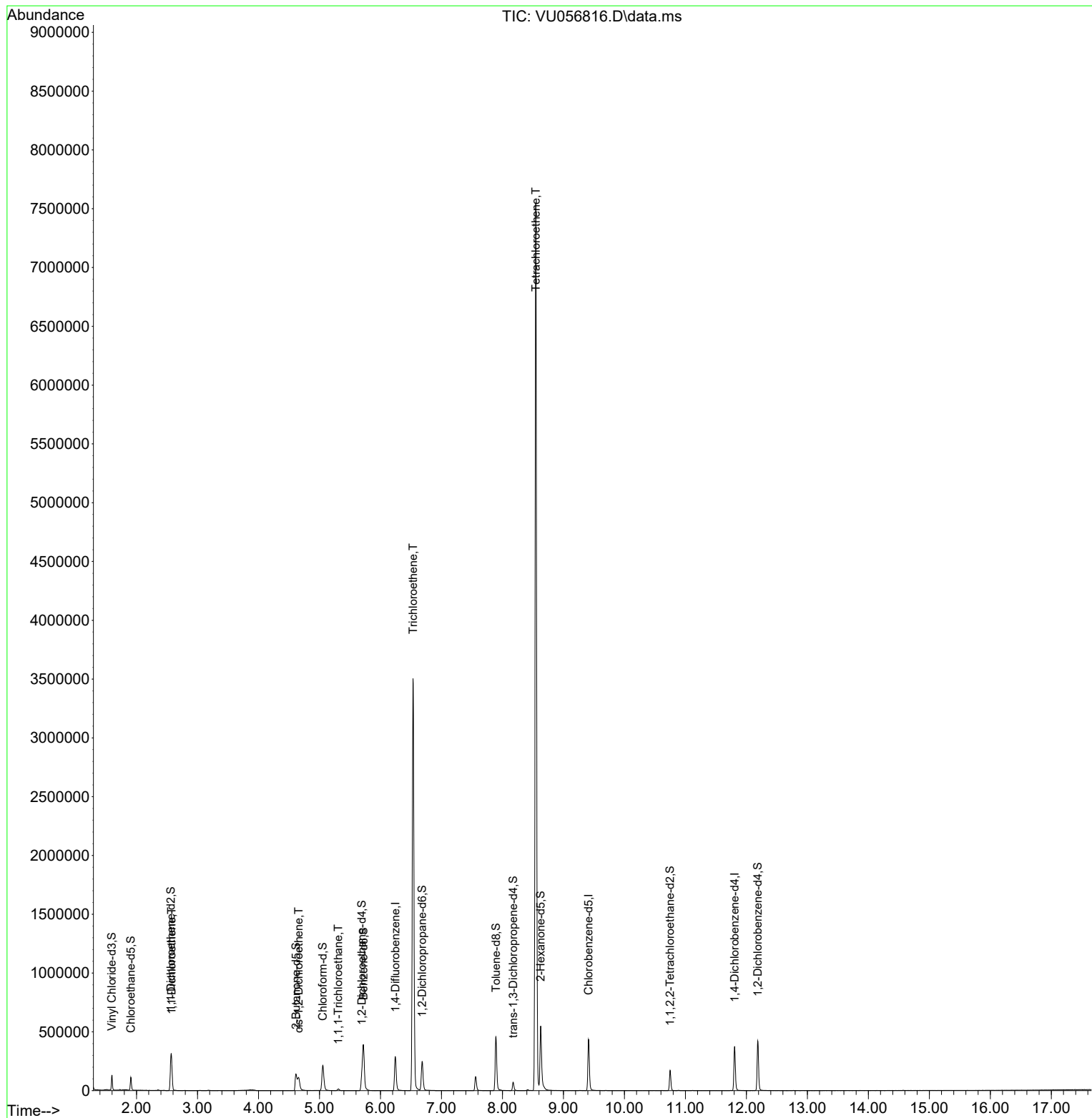
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	241955	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	254633	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	101334	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	90025	4.341	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.800%
7) Chloroethane-d5	1.907	69	78932	5.086	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.800%
11) 1,1-Dichloroethene-d2	2.563	65	40613	4.577	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.600%
20) 2-Butanone-d5	4.615	46	220541	53.846	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.700%
24) Chloroform-d	5.055	84	199302	5.075	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
26) 1,2-Dichloroethane-d4	5.695	65	99250	5.340	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.800%
32) Benzene-d6	5.721	84	377630	4.781	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
36) 1,2-Dichloropropane-d6	6.685	67	122844	4.969	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.400%
41) Toluene-d8	7.894	98	321037	4.548	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
43) trans-1,3-Dichloroprop...	8.177	79	42436	4.427	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.600%
46) 2-Hexanone-d5	8.627	63	183779	50.828	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.660%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	88206	4.932	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	112911	5.668	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.400%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.576	96	59939	3.051	ug/L	91
22) cis-1,2-Dichloroethene	4.660	96	49132	2.268	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	10663	0.290	ug/L	89
34) Trichloroethene	6.534	95	1246530	50.780	ug/L	98
47) Tetrachloroethene	8.547	164	1609269	93.673	ug/L	98

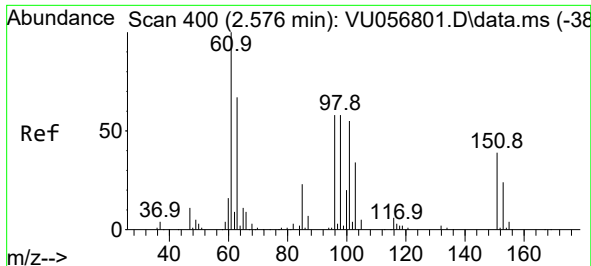
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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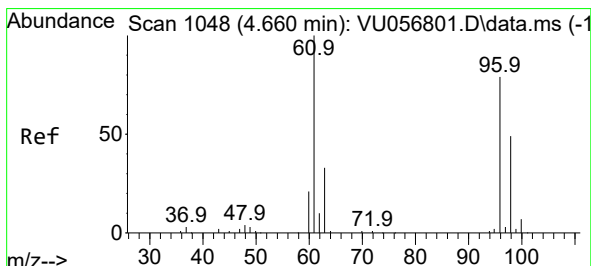
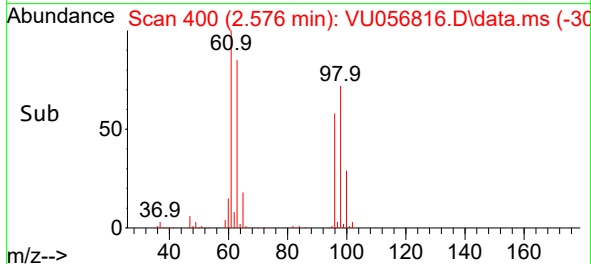
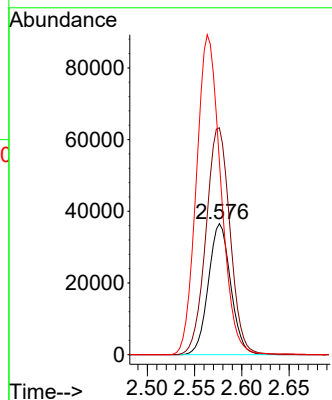
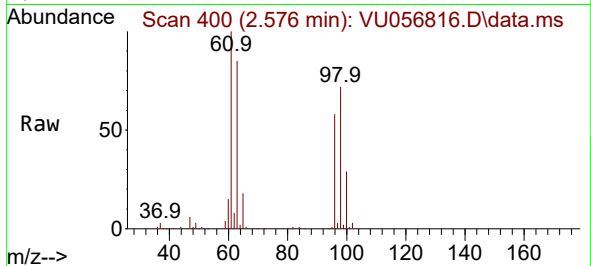




#12
1,1-Dichloroethene
Concen: 3.051 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU056816.D
Acq: 13 Dec 2023 04:37

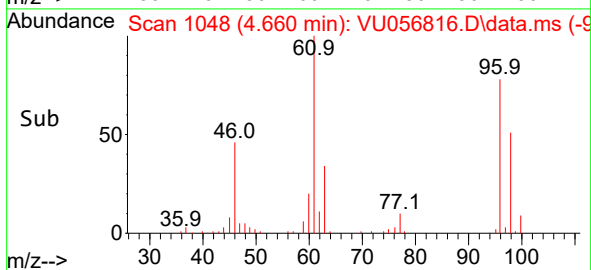
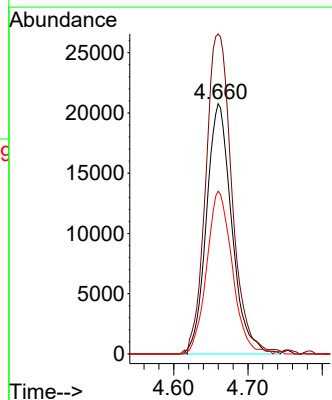
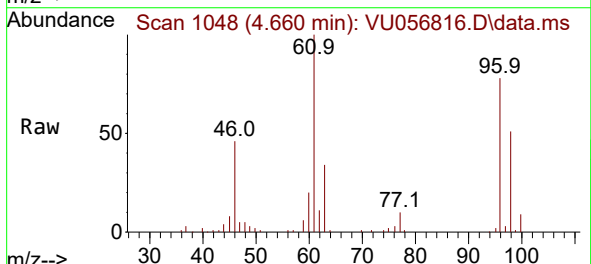
Instrument :
MSVOA_U
ClientSampleId :
H0AC9

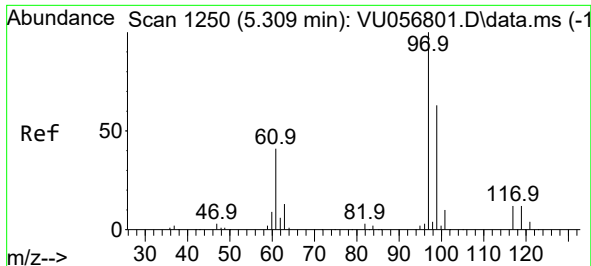
Tgt Ion: 96 Resp: 59939
Ion Ratio Lower Upper
96 100
61 173.1 119.0 221.0
63 147.2 88.7 164.7



#22
cis-1,2-Dichloroethene
Concen: 2.268 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU056816.D
Acq: 13 Dec 2023 04:37

Tgt Ion: 96 Resp: 49132
Ion Ratio Lower Upper
96 100
61 127.9 91.3 169.6
98 65.1 44.2 82.0





#29

1,1,1-Trichloroethane

Concen: 0.290 ug/L

RT: 5.309 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056816.D

Acq: 13 Dec 2023 04:37

Instrument :

MSVOA_U

ClientSampleId :

H0AC9

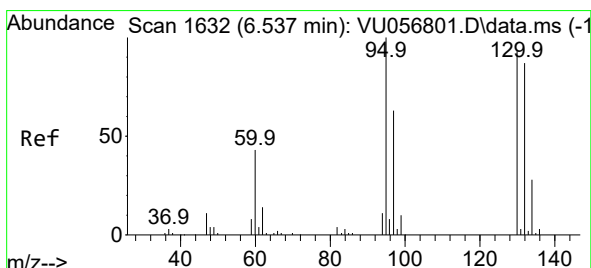
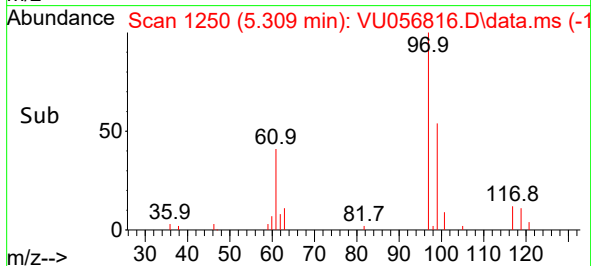
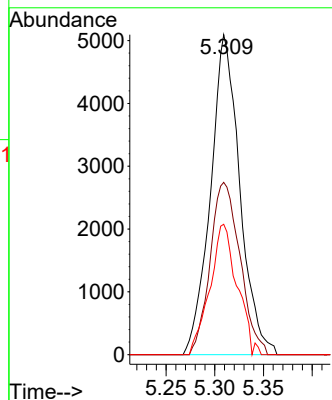
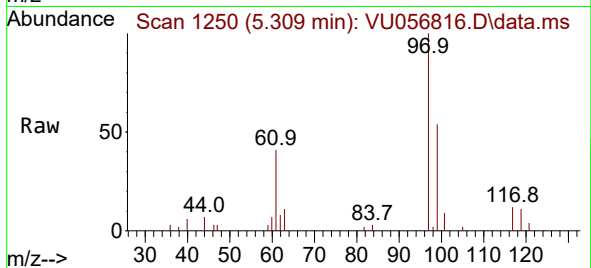
Tgt Ion: 97 Resp: 10663

Ion Ratio Lower Upper

97 100

99 54.9 52.5 78.7

61 37.9 34.2 51.2



#34

Trichloroethene

Concen: 50.780 ug/L

RT: 6.534 min Scan# 1631

Delta R.T. -0.003 min

Lab File: VU056816.D

Acq: 13 Dec 2023 04:37

Tgt Ion: 95 Resp: 1246530

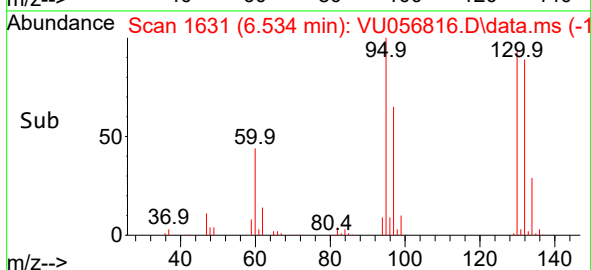
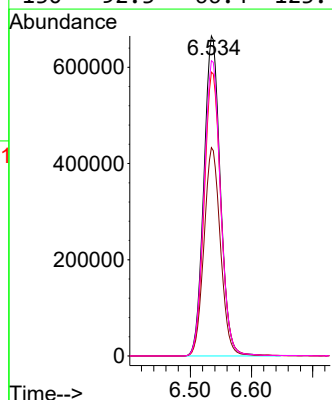
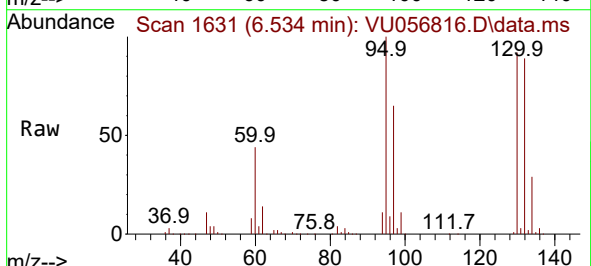
Ion Ratio Lower Upper

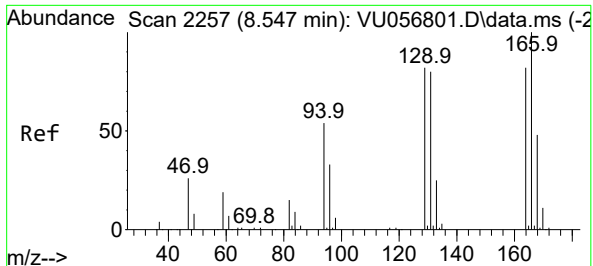
95 100

97 65.1 46.1 85.5

132 88.7 63.6 118.0

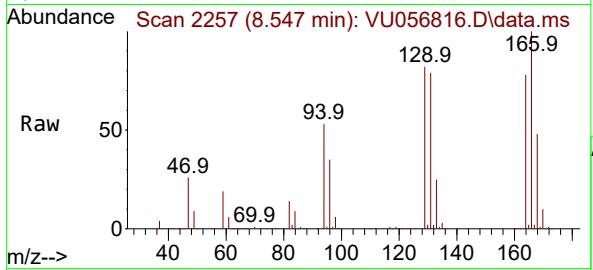
130 92.3 66.4 123.4





#47
 Tetrachloroethene
 Concen: 93.673 ug/L
 RT: 8.547 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU056816.D
 Acq: 13 Dec 2023 04:37

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Tgt Ion:164 Resp: 1609269

Ion	Ratio	Lower	Upper
164	100		
129	105.4	73.4	136.4
131	101.7	71.5	132.9
166	128.1	92.7	172.1

