

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121923\
 Data File : VU057042.D
 Acq On : 19 Dec 2023 14:21
 Operator : MD/SY
 Sample : 05830-01 25X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AA3

Quant Time: Dec 20 04:57:07 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)

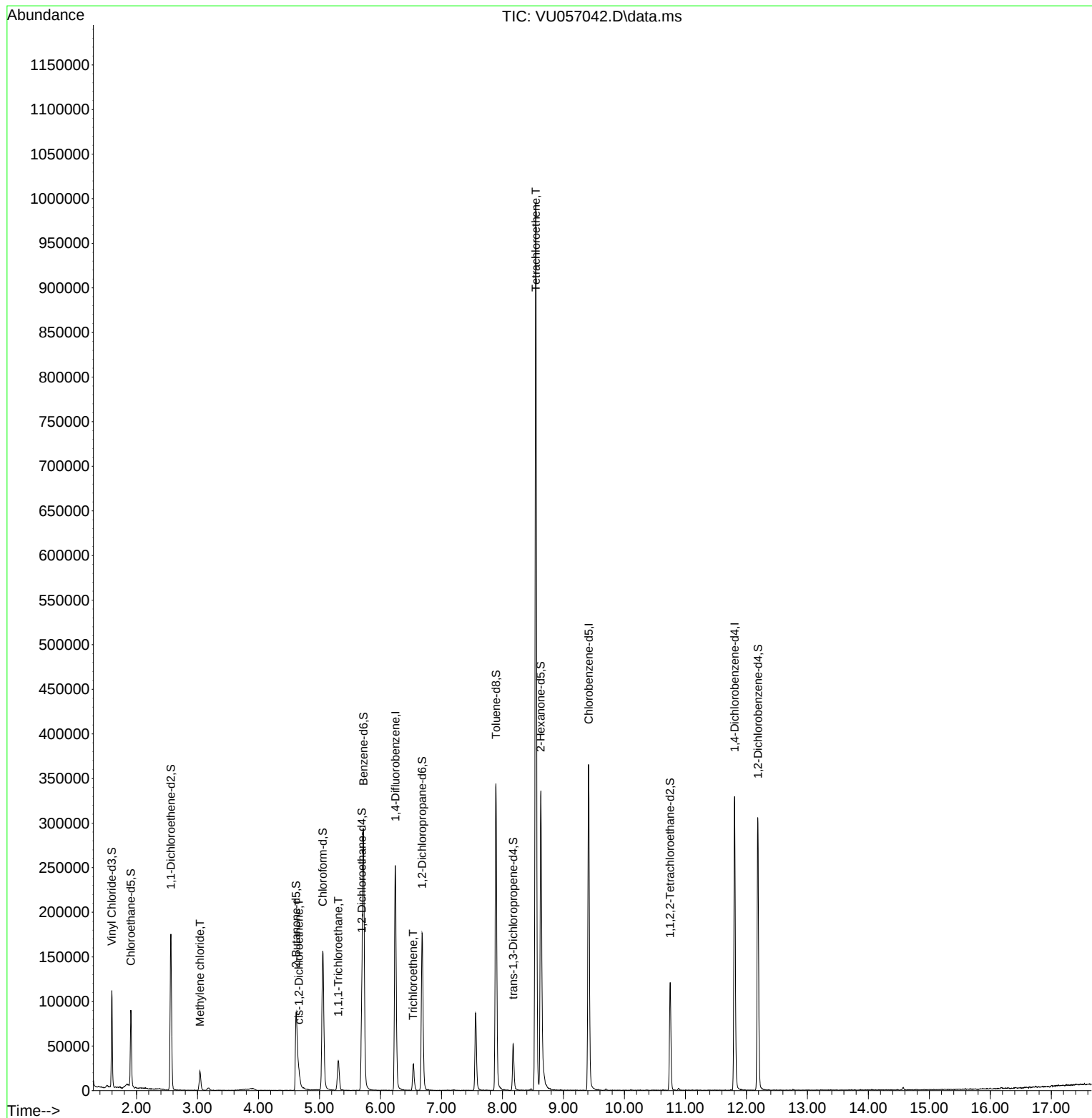
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	207318	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	209207	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	88644	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	77401	4.356	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.200%
7) Chloroethane-d5	1.907	69	65481	4.924	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.400%
11) 1,1-Dichloroethene-d2	2.563	65	33372	4.389	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.800%
20) 2-Butanone-d5	4.618	46	133257	37.971	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.940%
24) Chloroform-d	5.055	84	151519	4.503	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
26) 1,2-Dichloroethane-d4	5.695	65	75146	4.719	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.721	84	279977	4.315	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
36) 1,2-Dichloropropane-d6	6.682	67	85293	4.200	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.000%
41) Toluene-d8	7.894	98	237623	4.097	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
43) trans-1,3-Dichloroprop...	8.177	79	32707	4.153	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.000%
46) 2-Hexanone-d5	8.627	63	114158	38.428	ug/L	-0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.860%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	60878	4.143	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	82087	4.711	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						
					Qvalue	
16) Methylene chloride	3.039	84	10810	0.590	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	4052	0.218	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	24943	0.825	ug/L	100
34) Trichloroethene	6.537	95	11221	0.556	ug/L	89
47) Tetrachloroethene	8.547	164	212290	15.040	ug/L	98

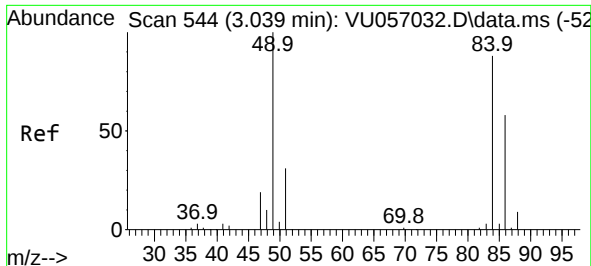
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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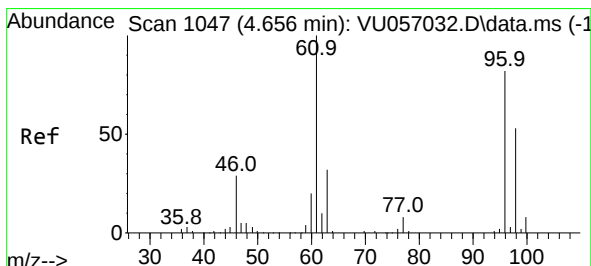
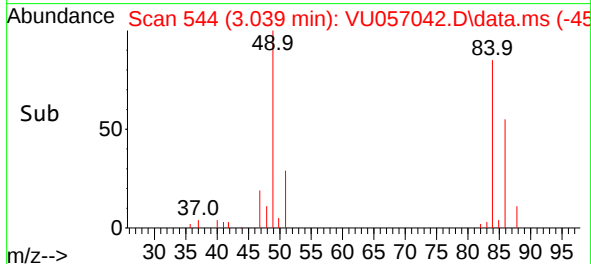
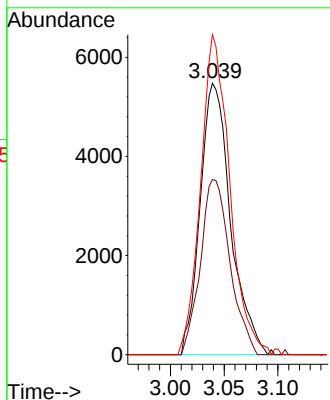
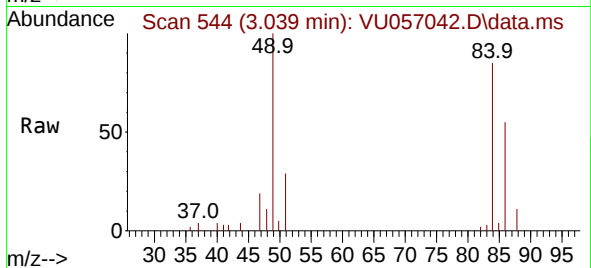




#16
Methylene chloride
Concen: 0.590 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU057042.D
Acq: 19 Dec 2023 14:21

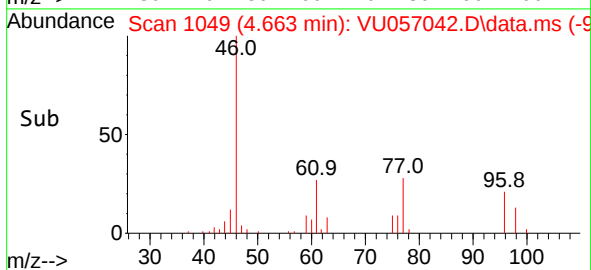
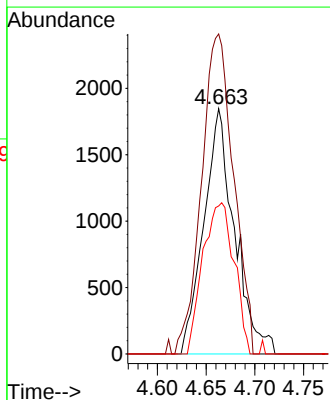
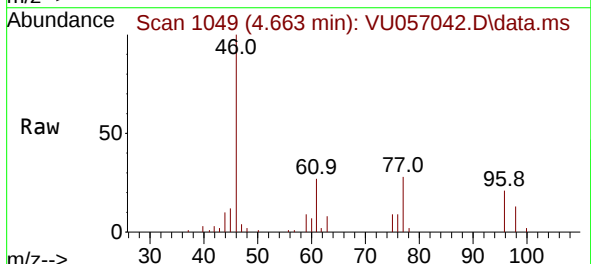
Instrument :
MSVOA_U
ClientSampleId :
H0AA3

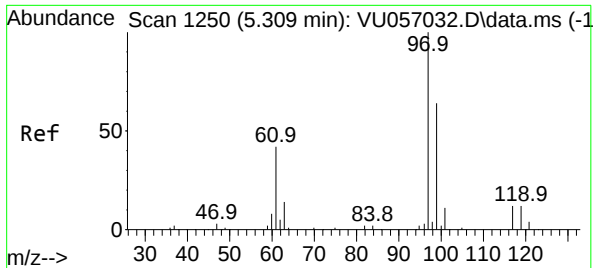
Tgt Ion: 84 Resp: 10810
Ion Ratio Lower Upper
84 100
86 64.5 43.6 81.0
49 123.7 80.6 149.6



#22
cis-1,2-Dichloroethene
Concen: 0.218 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.006 min
Lab File: VU057042.D
Acq: 19 Dec 2023 14:21

Tgt Ion: 96 Resp: 4052
Ion Ratio Lower Upper
96 100
61 130.4 91.3 169.6
98 60.3 44.2 82.0

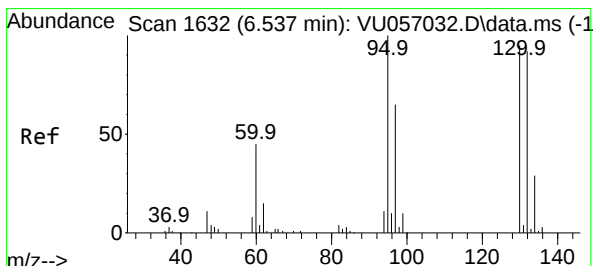
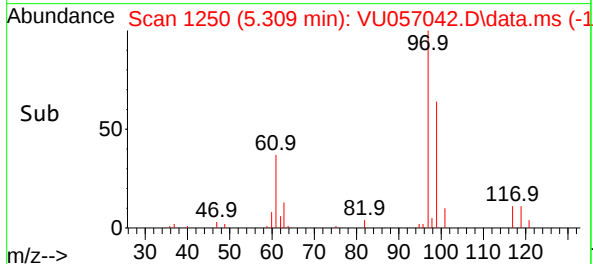
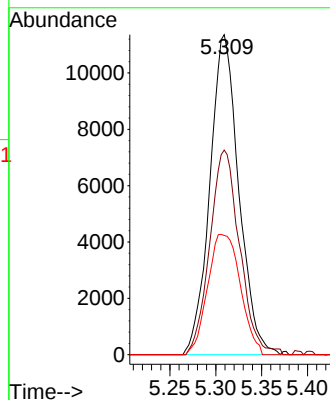
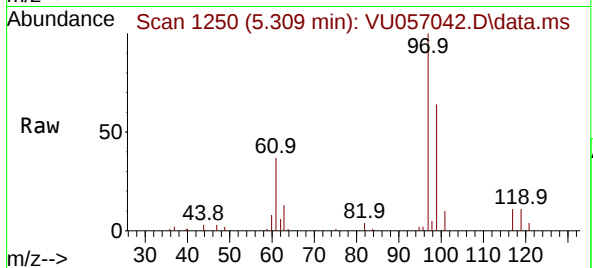




#29
1,1,1-Trichloroethane
Concen: 0.825 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057042.D
Acq: 19 Dec 2023 14:21

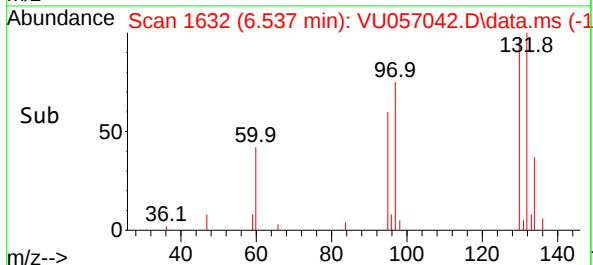
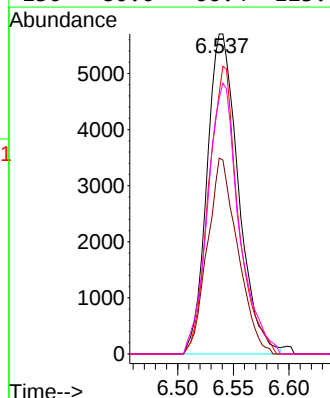
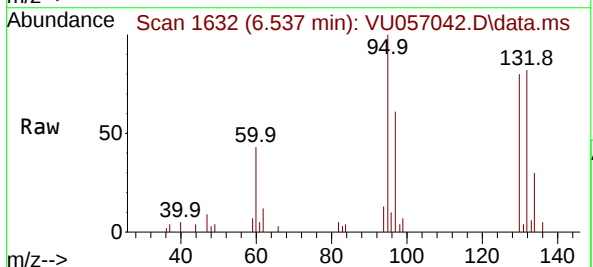
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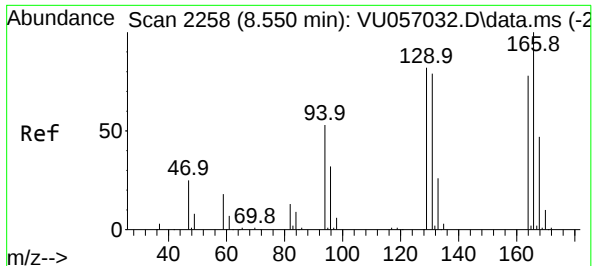
Tgt Ion: 97	Resp: 24943
Ion Ratio	Lower Upper
97 100	
99 65.9	52.5 78.7
61 42.4	34.2 51.2



#34
Trichloroethene
Concen: 0.556 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU057042.D
Acq: 19 Dec 2023 14:21

Tgt Ion: 95	Resp: 11221
Ion Ratio	Lower Upper
95 100	
97 61.2	46.1 85.5
132 81.7	63.6 118.0
130 80.0	66.4 123.4





#47
 Tetrachloroethene
 Concen: 15.040 ug/L
 RT: 8.547 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU057042.D
 Acq: 19 Dec 2023 14:21

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AA3

Tgt Ion:164 Resp: 212290

Ion	Ratio	Lower	Upper
164	100		
129	104.8	73.4	136.4
131	100.6	71.5	132.9
166	127.4	92.7	172.1

