

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122623\
 Data File : VU057273.D
 Acq On : 27 Dec 2023 08:35
 Operator : MD/SY
 Sample : 05998-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F7A74

Quant Time: Dec 28 00:55:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 27 01:05:12 2023
 Response via : Initial Calibration

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

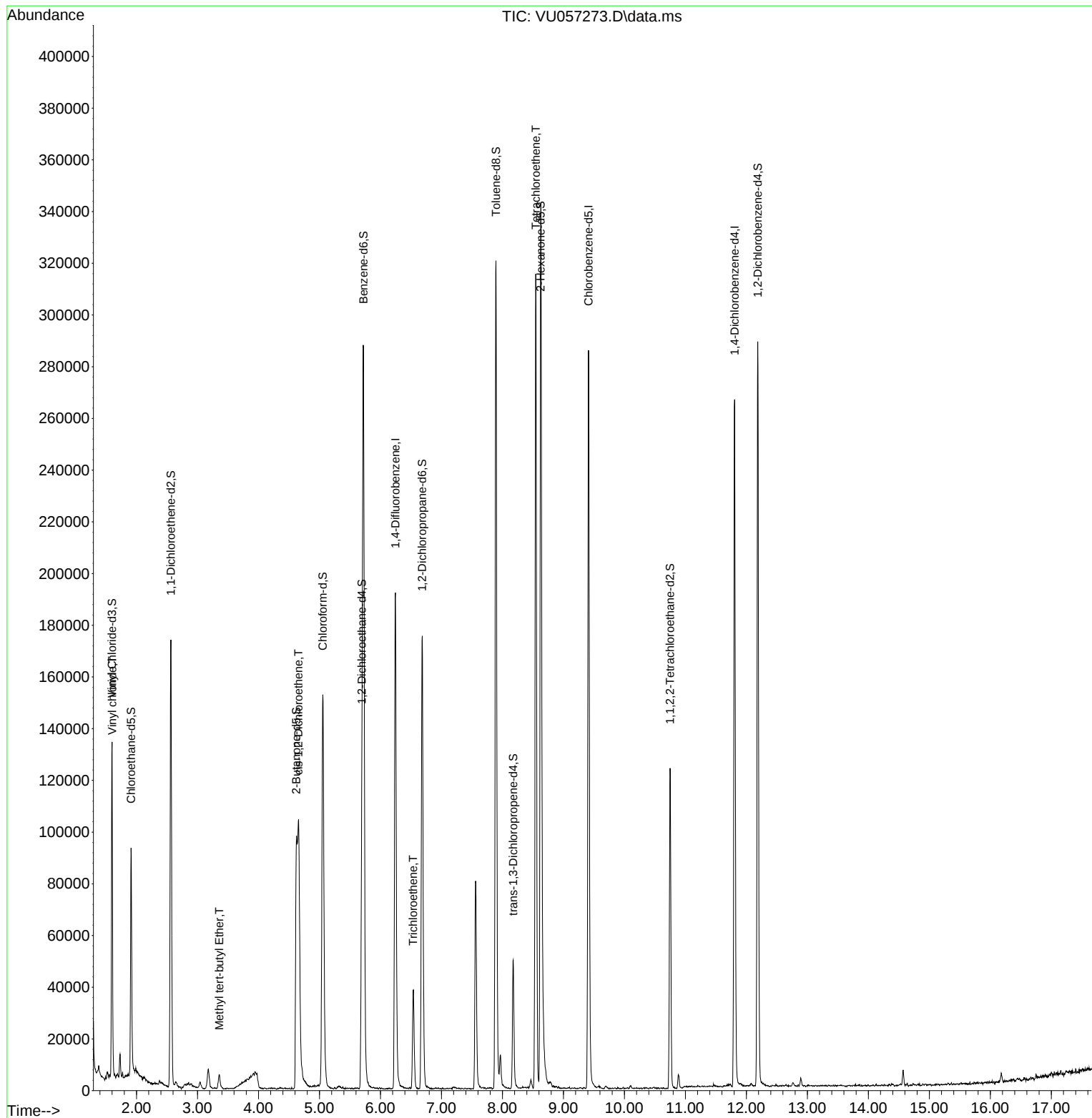
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	153904	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	160853	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	71485	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	86589	5.886	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	117.800%
7) Chloroethane-d5	1.911	69	64862	5.357	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.200%
11) 1,1-Dichloroethene-d2	2.563	65	33863	5.313	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.200%
20) 2-Butanone-d5	4.621	46	151633	65.653	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.300%#
24) Chloroform-d	5.055	84	145395	5.118	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.400%
26) 1,2-Dichloroethane-d4	5.695	65	73571	5.434	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.600%
32) Benzene-d6	5.721	84	275269	4.989	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
36) 1,2-Dichloropropane-d6	6.685	67	85172	5.425	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.400%
41) Toluene-d8	7.894	98	217417	4.316	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	8.177	79	30603	4.683	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.600%
46) 2-Hexanone-d5	8.627	63	119951	53.907	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.820%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	64038	5.732	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	75497	4.908	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	10019	0.745	ug/L	89
17) Methyl tert-butyl Ether	3.357	73	4902	0.201	ug/L #	95
22) cis-1,2-Dichloroethene	4.656	96	41412	3.351	ug/L	93
34) Trichloroethene	6.537	95	13099	0.878	ug/L	93
47) Tetrachloroethene	8.547	164	67910	6.355	ug/L	99

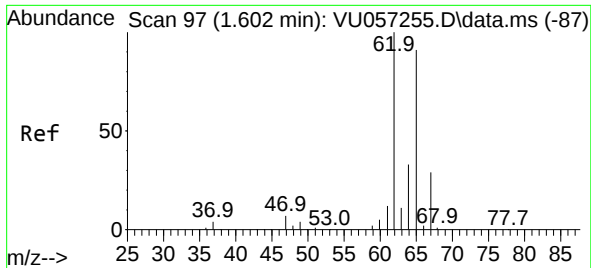
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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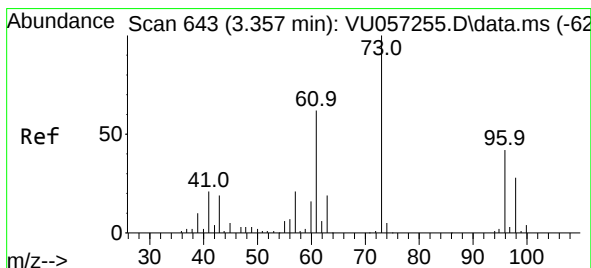
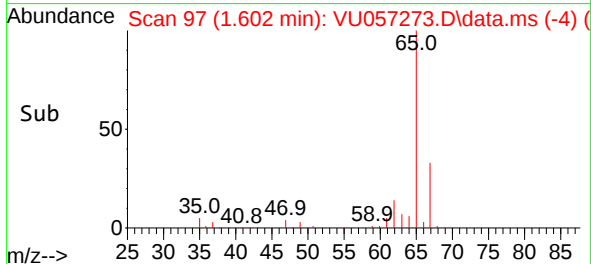
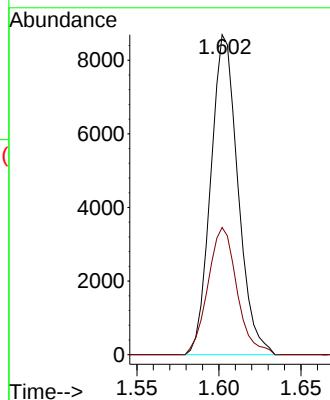
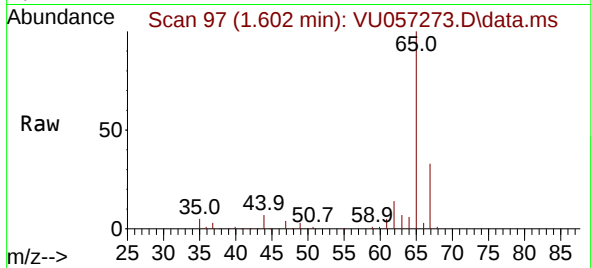




#5
 Vinyl chloride
 Concen: 0.745 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU057273.D
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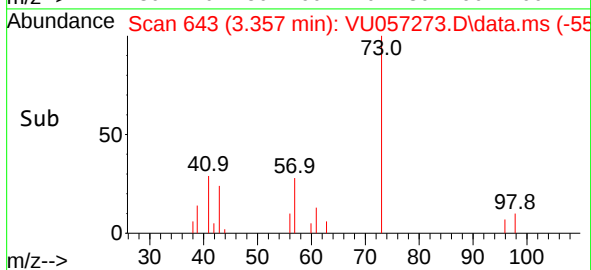
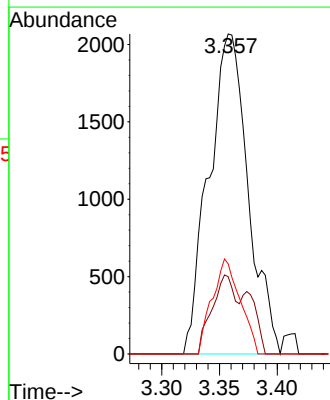
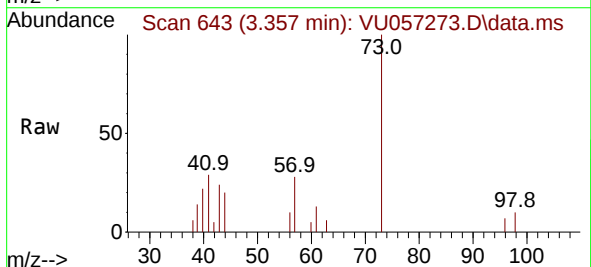
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 MSVOA_U
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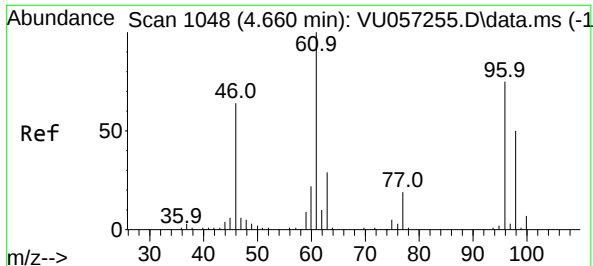
Tgt Ion: 62 Resp: 10019
 Ion Ratio Lower Upper
 62 100
 64 39.8 23.3 43.3



#17
 Methyl tert-butyl Ether
 Concen: 0.201 ug/L
 RT: 3.357 min Scan# 643
 Delta R.T. 0.000 min
 Lab File: VU057273.D
 Acq: 27 Dec 2023 08:35

Tgt Ion: 73 Resp: 4902
 Ion Ratio Lower Upper
 73 100
 43 15.2 15.4 23.0#
 57 21.0 16.2 24.2

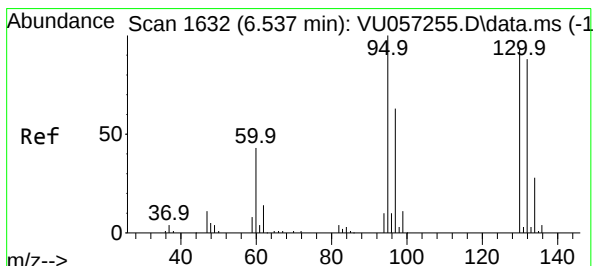
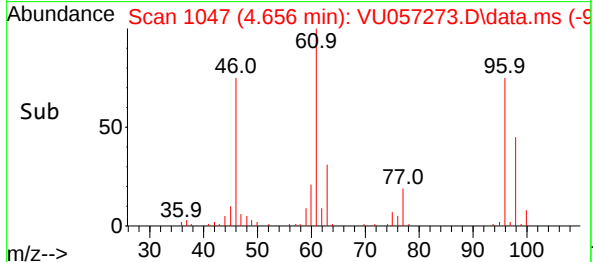
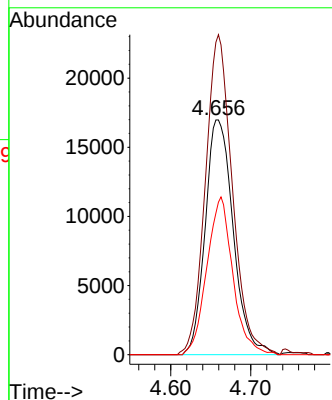
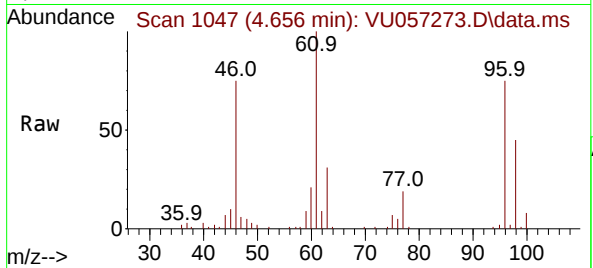




#22
 cis-1,2-Dichloroethene
 Concen: 3.351 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. -0.003 min
 Lab File: VU057273.D
 Acq: 27 Dec 2023 08:35

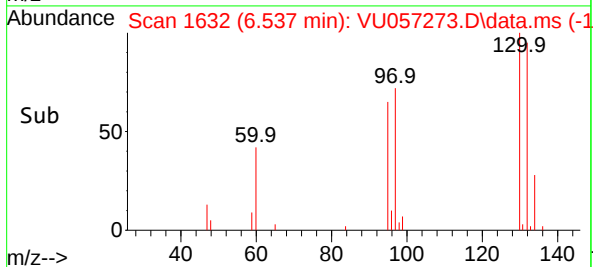
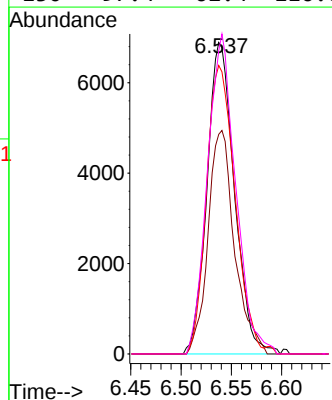
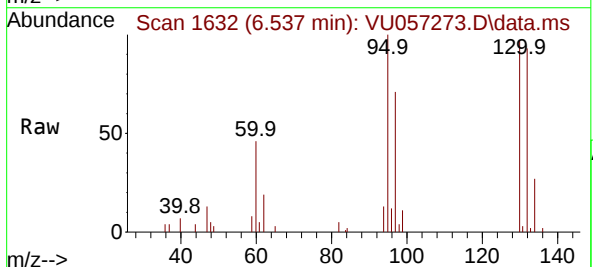
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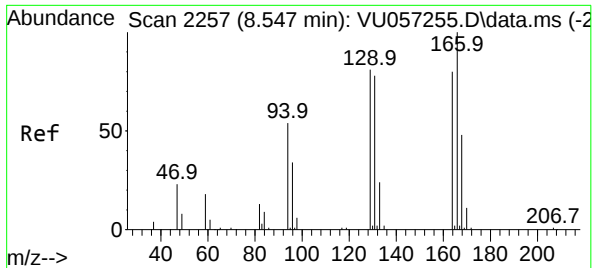
Tgt Ion: 96 Resp: 41412
 Ion Ratio Lower Upper
 96 100
 61 133.0 86.8 161.2
 98 60.3 45.5 84.5



#34
 Trichloroethene
 Concen: 0.878 ug/L
 RT: 6.537 min Scan# 1632
 Delta R.T. 0.000 min
 Lab File: VU057273.D
 Acq: 27 Dec 2023 08:35

Tgt Ion: 95 Resp: 13099
 Ion Ratio Lower Upper
 95 100
 97 70.5 44.3 82.3
 132 92.6 62.6 116.2
 130 97.4 62.4 116.0





#47
 Tetrachloroethene
 Concen: 6.355 ug/L
 RT: 8.547 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU057273.D
 Acq: 27 Dec 2023 08:35

Instrument :
 MSVOA_U
 ClientSampleId :
 F7A74

Tgt Ion:164	Resp:	67910
Ion	Ratio	Lower Upper
164	100	
129	104.0	72.9 135.3
131	102.5	71.7 133.3
166	128.3	87.7 162.9

