

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102323\
 Data File : VU055856.D
 Acq On : 23 Oct 2023 15:28
 Operator : MD/SY
 Sample : 04947-07 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45J4

Quant Time: Oct 23 23:19:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 23 01:04:15 2023
 Response via : Initial Calibration

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

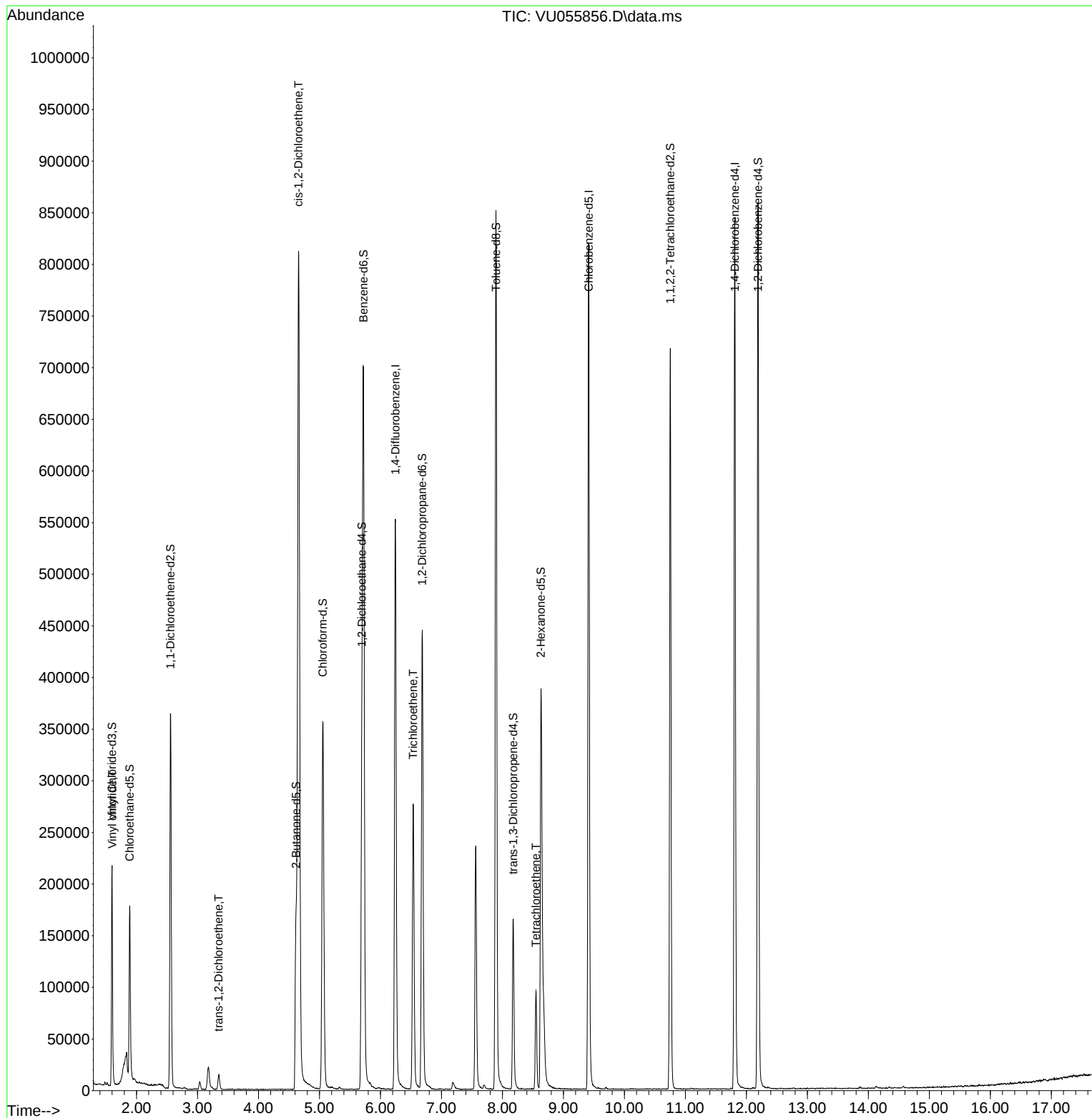
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	455932	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	455286	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	221262	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	145704	35.628	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.260%
7) Chloroethane-d5	1.888	69	134114	40.119	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.240%
11) 1,1-Dichloroethene-d2	2.557	63	221646	30.396	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.800%
21) 2-Butanone-d5	4.615	46	245205	80.918	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.920%
24) Chloroform-d	5.055	84	342520	43.689	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.380%
26) 1,2-Dichloroethane-d4	5.695	65	226513	46.939	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.880%
32) Benzene-d6	5.721	84	668681	45.904	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.800%
36) 1,2-Dichloropropane-d6	6.685	67	217919	47.254	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.500%
41) Toluene-d8	7.894	98	574808	43.700	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.400%
43) trans-1,3-Dichloroprop...	8.177	79	95714	43.206	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.420%
47) 2-Hexanone-d5	8.631	63	127065	70.087	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	70.090%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	360331	50.762	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.520%
66) 1,2-Dichlorobenzene-d4	12.190	152	230497	52.495	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	14093	3.565	ug/L	88
17) trans-1,2-Dichloroethene	3.345	96	6080	1.840	ug/L	90
20) cis-1,2-Dichloroethene	4.656	96	422207	111.925	ug/L	99
34) Trichloroethene	6.537	95	94115	23.900	ug/L	98
46) Tetrachloroethene	8.550	164	20446	7.252	ug/L	98

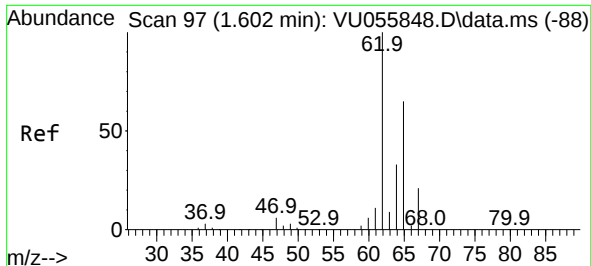
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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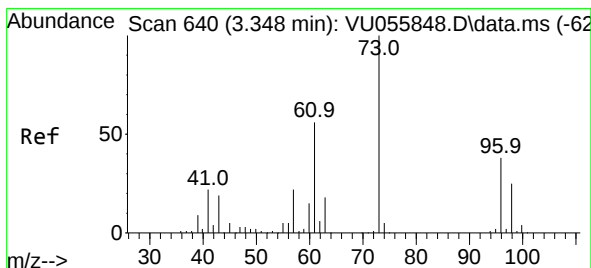
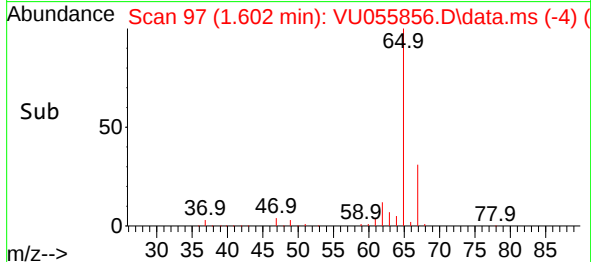
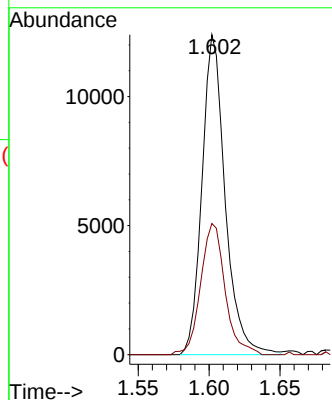
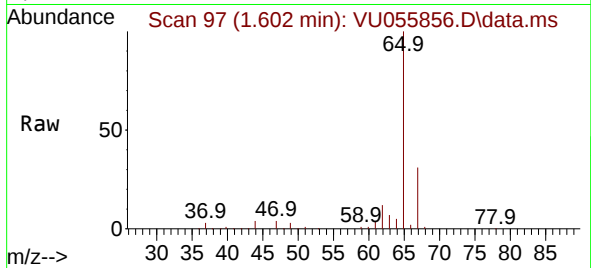




#5
 Vinyl chloride
 Concen: 3.565 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055856.D
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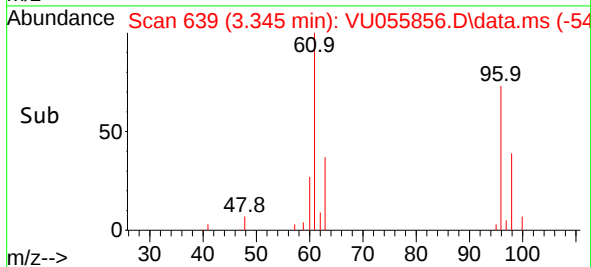
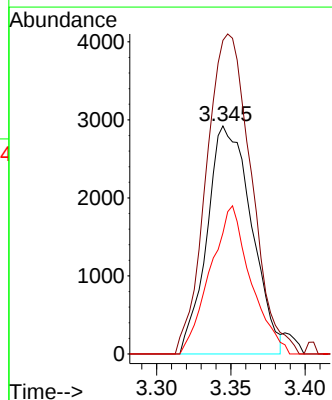
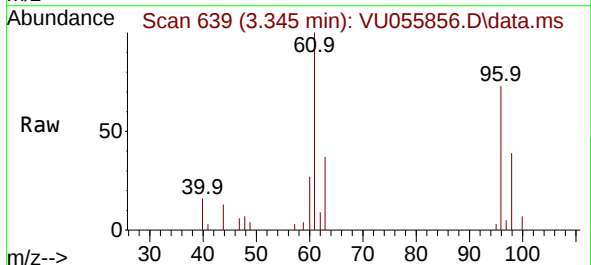
Instrument :
 MSVOA_U
 ClientSampleId :
 E45J4

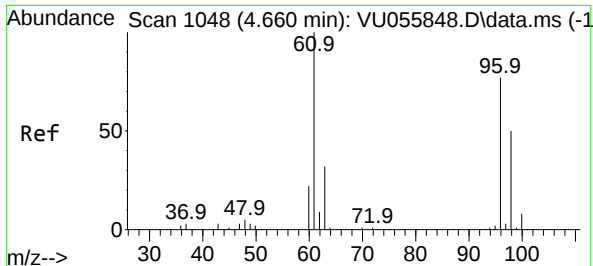
Tgt Ion: 62 Resp: 14093
 Ion Ratio Lower Upper
 62 100
 64 41.0 23.9 44.5



#17
 trans-1,2-Dichloroethene
 Concen: 1.840 ug/L
 RT: 3.345 min Scan# 639
 Delta R.T. -0.003 min
 Lab File: VU055856.D
 Acq: 23 Oct 2023 15:28

Tgt Ion: 96 Resp: 6080
 Ion Ratio Lower Upper
 96 100
 61 137.5 102.1 189.7
 98 53.0 46.3 86.1

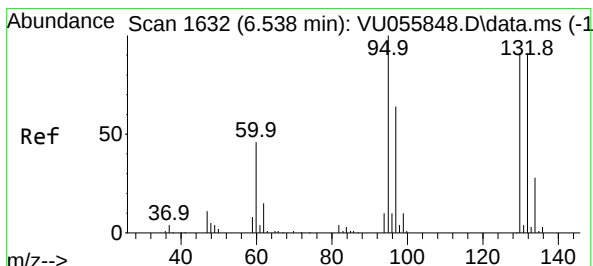
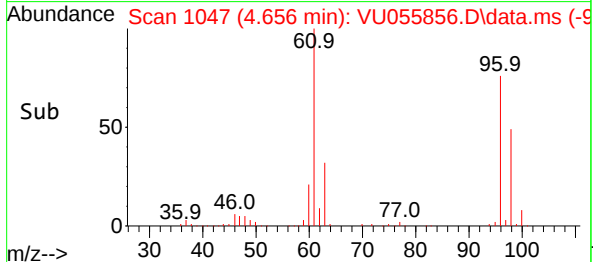
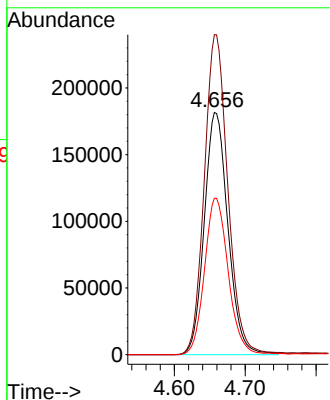
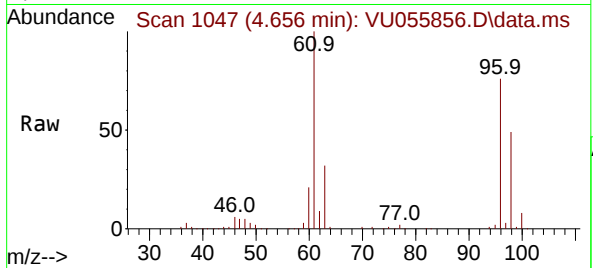




#20
cis-1,2-Dichloroethene
Concen: 111.925 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.006 min
Lab File: VU055856.D
Acq: 23 Oct 2023 15:28

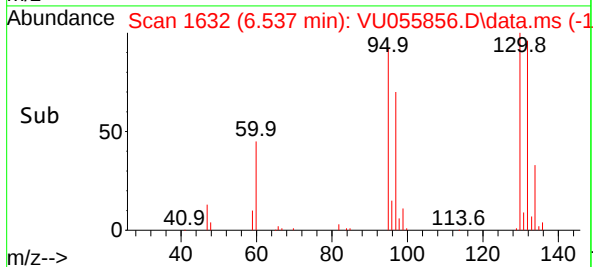
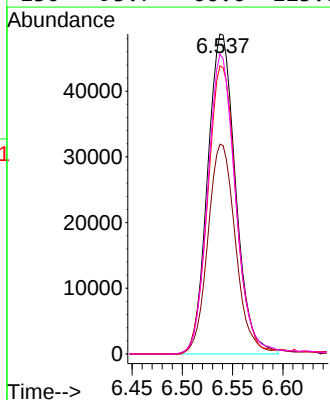
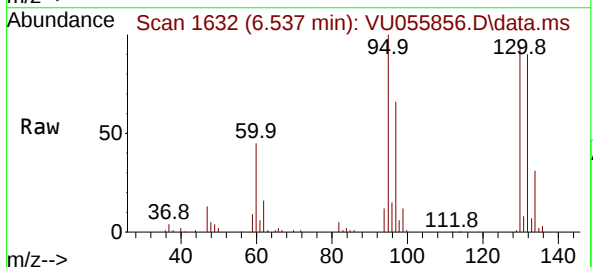
Instrument :
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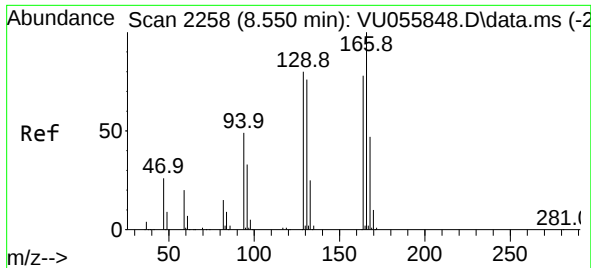
Tgt Ion: 96 Resp: 422207
Ion Ratio Lower Upper
96 100
61 132.1 92.3 171.5
98 64.6 43.9 81.5



#34
Trichloroethene
Concen: 23.900 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055856.D
Acq: 23 Oct 2023 15:28

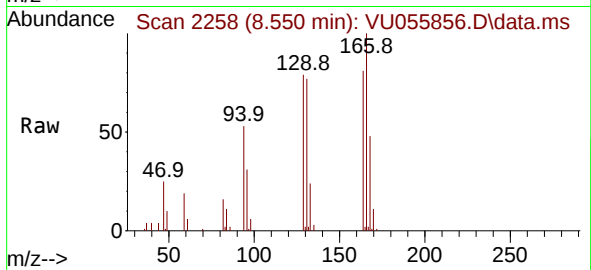
Tgt Ion: 95 Resp: 94115
Ion Ratio Lower Upper
95 100
97 65.6 44.4 82.5
132 90.0 61.8 114.8
130 93.7 66.6 123.8





#46
 Tetrachloroethene
 Concen: 7.252 ug/L
 RT: 8.550 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU055856.D
 Acq: 23 Oct 2023 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 E45J4



Tgt Ion:	164	Resp:	20446
Ion	Ratio	Lower	Upper
164	100		
129	97.0	70.7	131.3
131	95.1	65.9	122.5
166	122.9	87.8	163.0

