

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062419\
 Data File : VU032994.D
 Acq On : 24 Jun 2019 10:09
 Operator : JC/SP
 Sample : K3478-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF13

Quant Time: Jun 25 09:50:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 05:22:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	187579	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	179815	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88641	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	41041	32.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.02%
7) Chloroethane-d5	1.68	69	40700	39.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.62%
11) 1,1-Dichloroethene-d2	2.27	63	71474	27.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.36%#
21) 2-Butanone-d5	4.17	46	126485	118.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.54%
24) Chloroform-d	4.64	84	116602	46.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.58%
26) 1,2-Dichloroethane-d4	5.30	65	85652	51.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.20%
32) Benzene-d6	5.33	84	211403	45.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.32	67	74342	49.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.58%
41) Toluene-d8	7.56	98	186613	42.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.02%
43) trans-1,3-Dichloropropene-	7.85	79	35946	46.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.56%
47) 2-Hexanone-d5	8.31	63	75901	108.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.86%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	118087	51.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.32%
64) 1,2-Dichlorobenzene-d4	11.85	152	83881	48.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

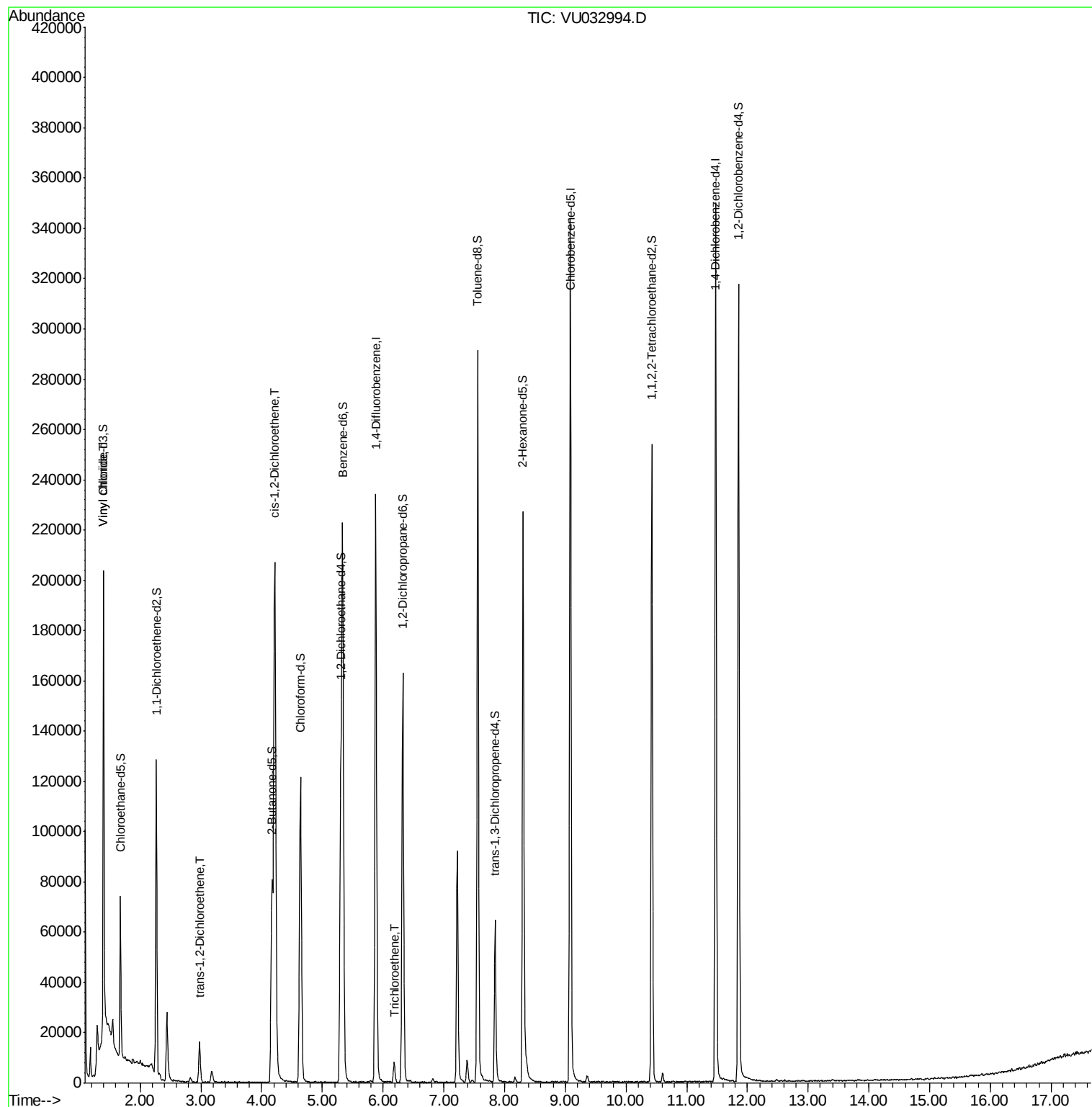
					Ovalue
5) Vinyl chloride	1.40	62	73339	43.055 ug/L	# 68
17) trans-1,2-Dichloroethene	2.98	96	6296	4.915 ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	107300	76.892 ug/L	96
34) Trichloroethene	6.18	95	2510	1.814 ug/L	89

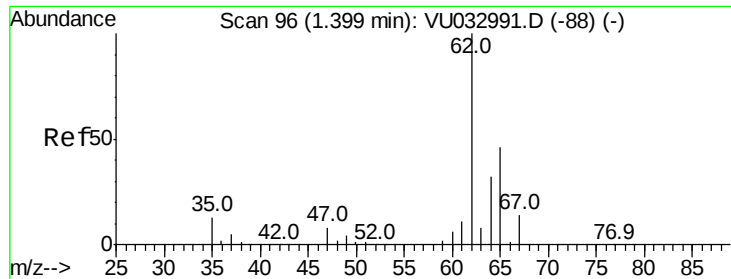
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 43.055 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032994.D

Acq: 24 Jun 2019 10:09

Instrument :

MSVOA_U

ClientSampled :

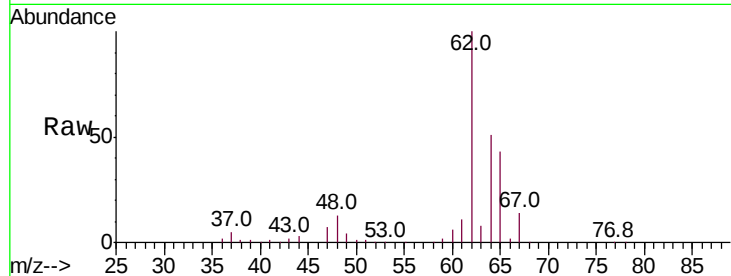
ETF13

Tot Ion: 62 Resp: 73339

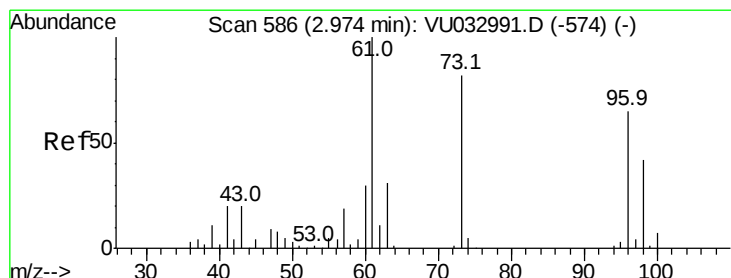
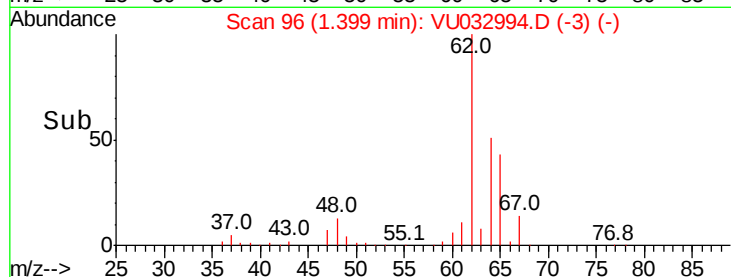
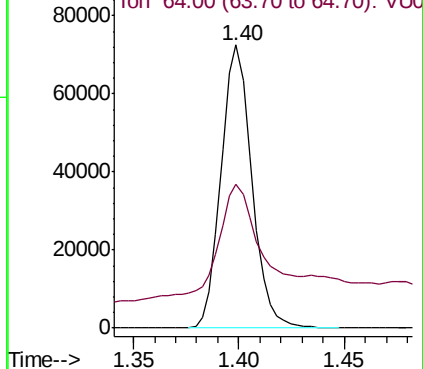
Ion Ratio Lower Upper

62 100

64 50.8 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VU032994.D (-88) (-)



#17

trans-1,2-Dichloroethene

Concen: 4.915 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032994.D

Acq: 24 Jun 2019 10:09

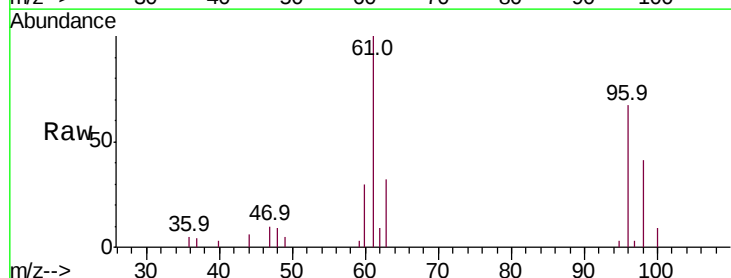
Tgt Ion: 96 Resp: 6296

Ion Ratio Lower Upper

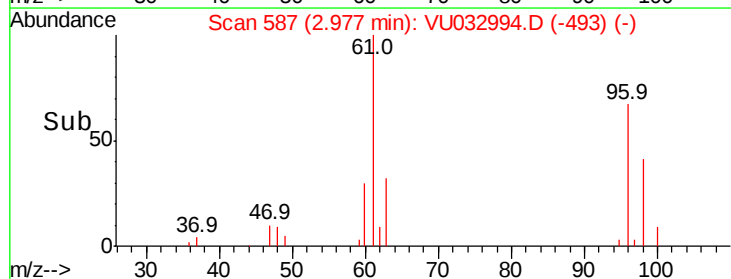
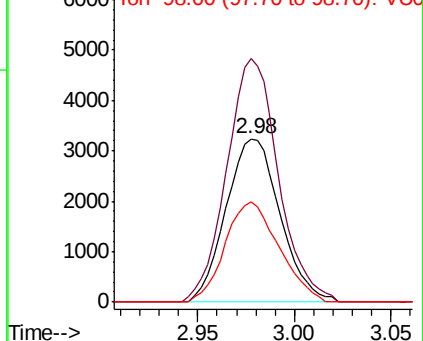
96 100

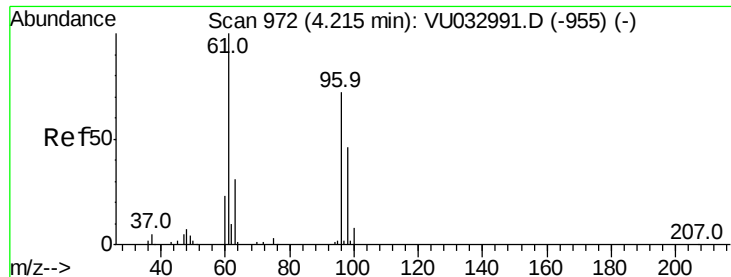
61 148.8 100.9 187.5

98 61.1 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU032994.D (-574) (-)

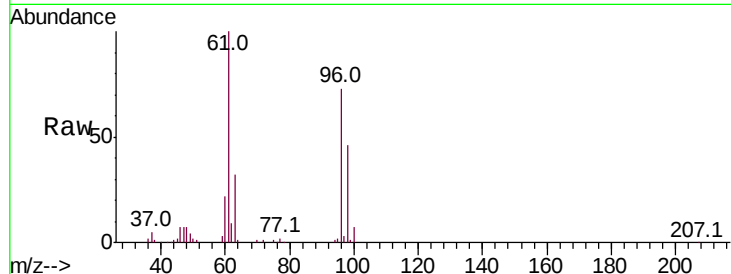




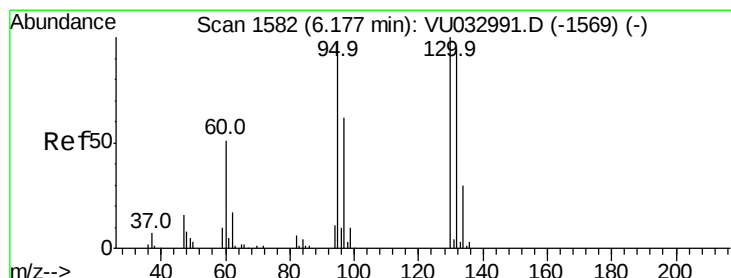
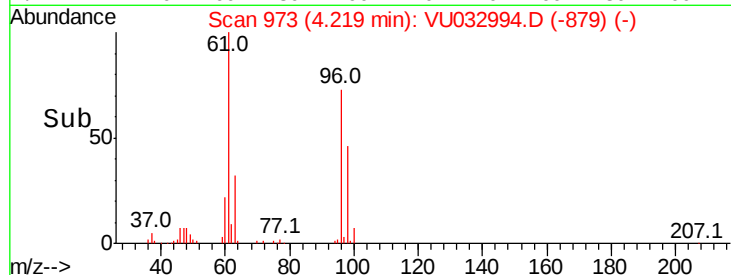
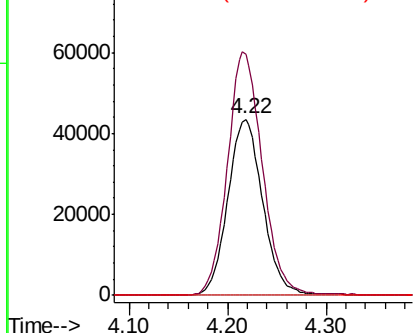
#20
 cis-1,2-Dichloroethene
 Concen: 76.892 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032994.D
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Tot Ion: 96 Resp: 107300
 Ion Ratio Lower Upper
 96 100
 61 137.0 92.4 171.6
 68 0.0 0.0 0.0

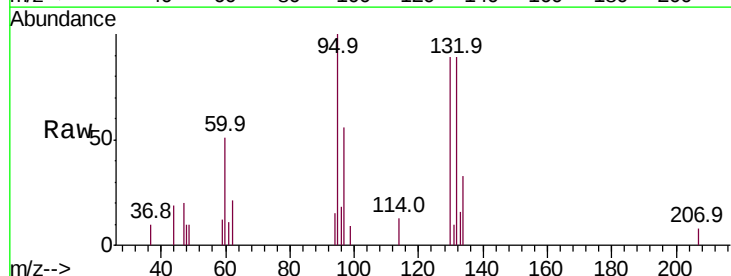


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



#34
 Trichloroethene
 Concen: 1.814 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU032994.D
 Acq: 24 Jun 2019 10:09

Tgt Ion: 95 Resp: 2510
 Ion Ratio Lower Upper
 95 100
 97 56.0 45.9 85.3
 132 88.5 68.5 127.3
 130 88.5 70.8 131.4



Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

