

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062219\
 Data File : VU032986.D
 Acq On : 22 Jun 2019 08:06
 Operator : JC/SP
 Sample : K3478-08MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF22MSD

Quant Time: Jun 24 03:05:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 24 02:01:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	191560	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	185461	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88741	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	51497	39.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.68%
7) Chloroethane-d5	1.68	69	47131	45.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.28%
11) 1,1-Dichloroethene-d2	2.26	63	82687	31.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.70%
21) 2-Butanone-d5	4.17	46	122622	112.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.53%
24) Chloroform-d	4.64	84	120562	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.74%
26) 1,2-Dichloroethane-d4	5.30	65	87839	51.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.62%
32) Benzene-d6	5.33	84	230280	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.26%
36) 1,2-Dichloropropane-d6	6.32	67	76054	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.76%
41) Toluene-d8	7.56	98	202667	44.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.52%
43) trans-1,3-Dichloropropene-	7.85	79	34324	42.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.68%
47) 2-Hexanone-d5	8.31	63	70358	97.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.84%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	117966	49.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.10%
64) 1,2-Dichlorobenzene-d4	11.85	152	85432	49.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.50%

Target Compounds

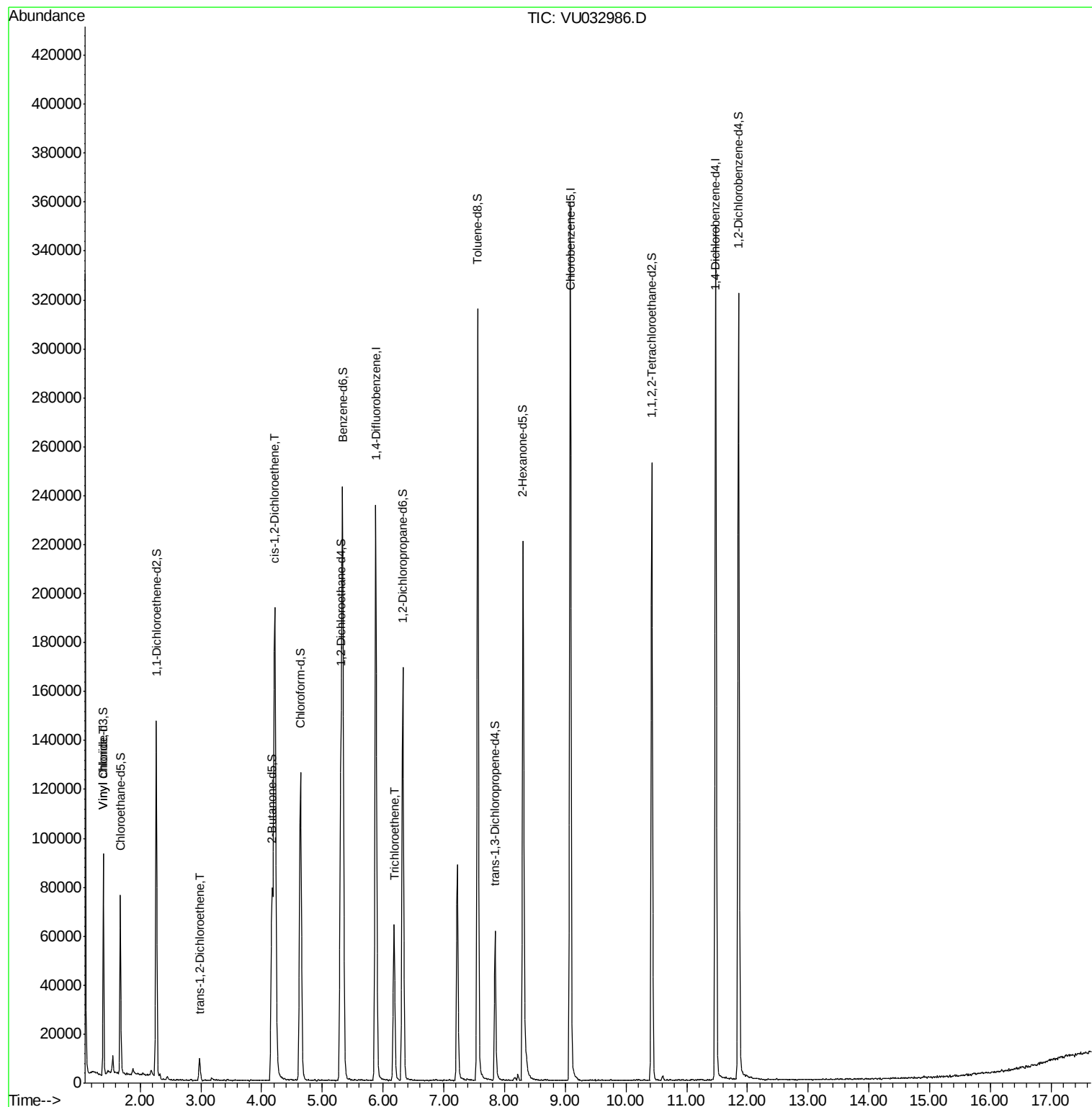
					Ovalue
5) Vinyl chloride	1.40	62	3194	1.836 ug/L	# 74
17) trans-1,2-Dichloroethene	2.98	96	3661	2.799 ug/L	94
20) cis-1,2-Dichloroethene	4.22	96	100938	70.830 ug/L	96
34) Trichloroethene	6.18	95	20685	14.491 ug/L	99

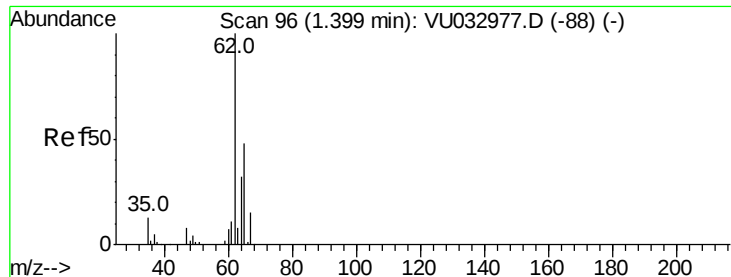
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.836 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032986.D

Acq: 22 Jun 2019 08:06

Instrument :

MSVOA_U

ClientSampleId :

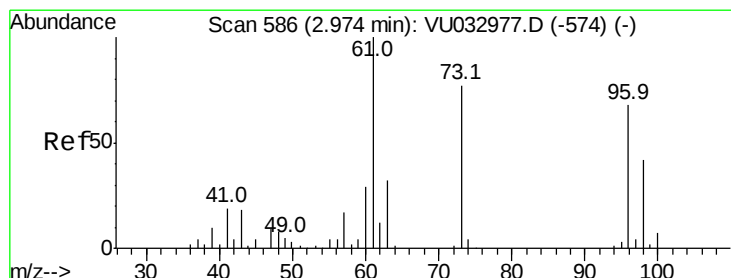
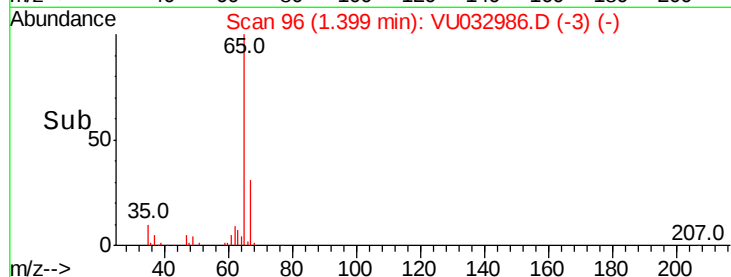
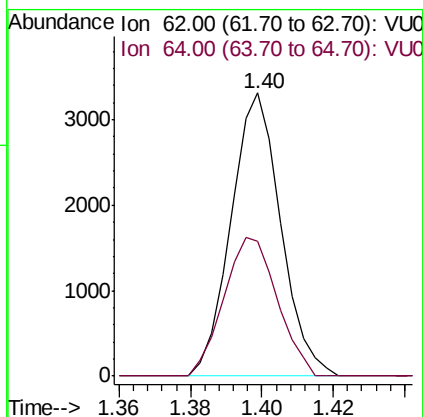
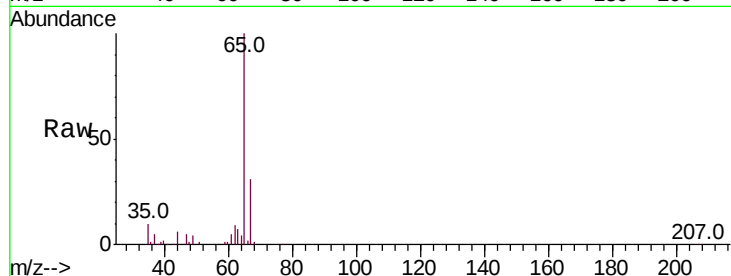
ETF22MSD

Tot Ion: 62 Resp: 3194

Ion Ratio Lower Upper

62 100

64 47.6 23.0 42.6#



#17

trans-1,2-Dichloroethene

Concen: 2.799 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

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Acq: 22 Jun 2019 08:06

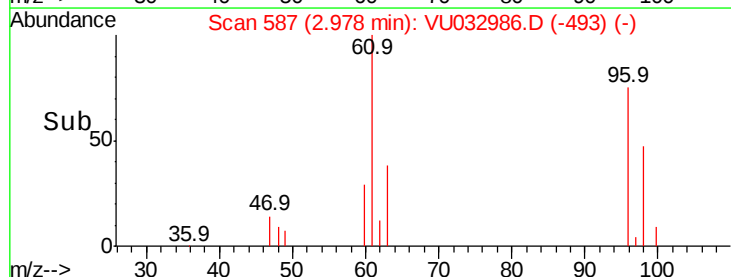
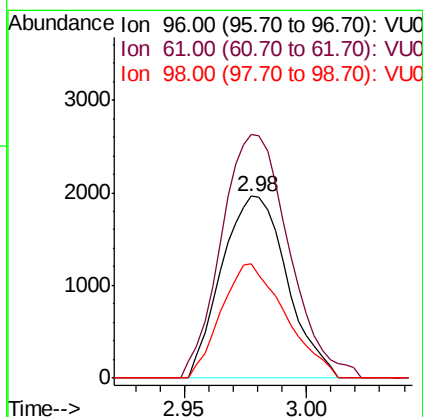
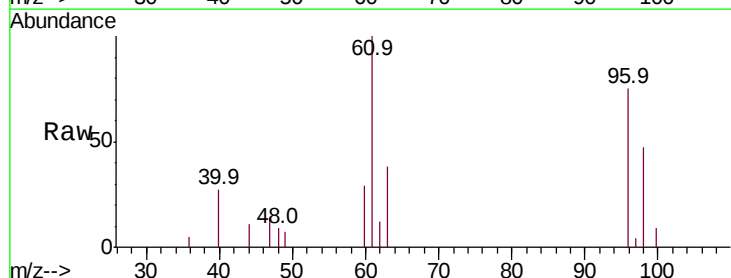
Tgt Ion: 96 Resp: 3661

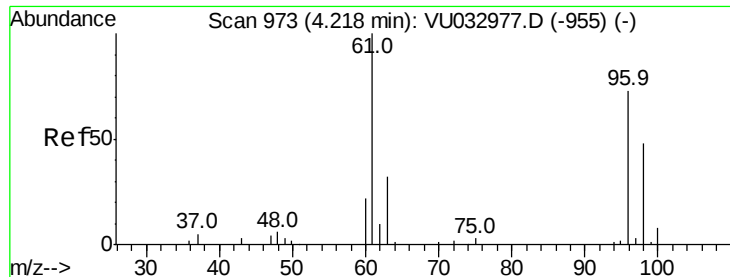
Ion Ratio Lower Upper

96 100

61 133.8 100.9 187.5

98 62.9 44.0 81.8

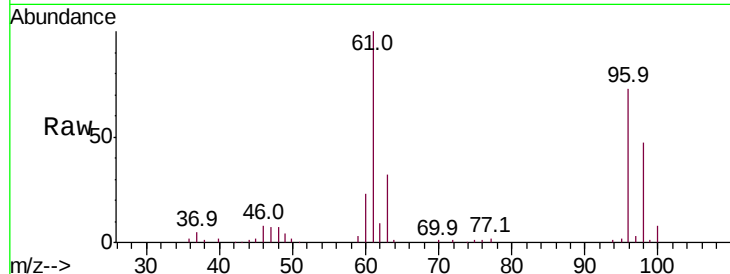




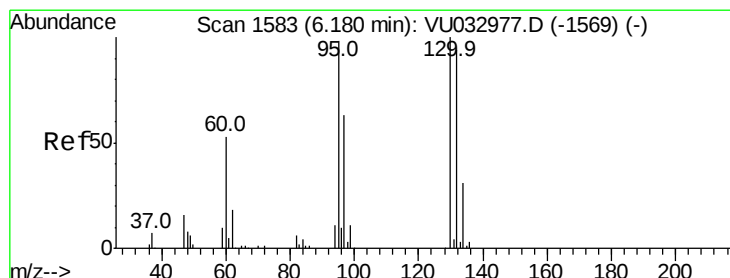
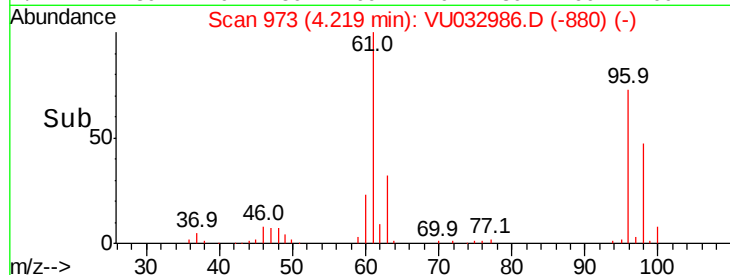
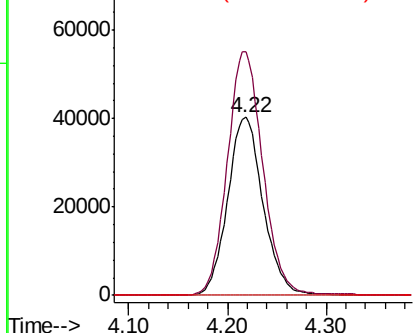
#20
 cis-1,2-Dichloroethene
 Concen: 70.830 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032986.D
 Acq: 22 Jun 2019 08:06

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF22MSD

Tot Ion: 96 Resp: 100938
 Ion Ratio Lower Upper
 96 100
 61 136.8 92.4 171.6
 68 0.0 0.0 0.0

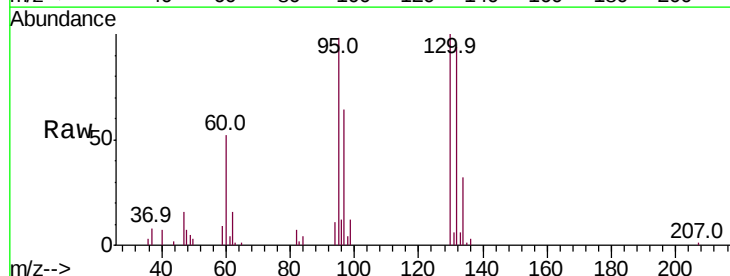


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



#34
 Trichloroethene
 Concen: 14.491 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU032986.D
 Acq: 22 Jun 2019 08:06

Tgt Ion: 95 Resp: 20685
 Ion Ratio Lower Upper
 95 100
 97 65.6 45.9 85.3
 132 95.6 68.5 127.3
 130 102.0 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

