

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062219\
 Data File : VU032985.D
 Acq On : 22 Jun 2019 07:43
 Operator : JC/SP
 Sample : K3478-07MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF22MS

Quant Time: Jun 24 02:47:47 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	191690	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	189295	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	92319	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	51863	39.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.18%
7) Chloroethane-d5	1.68	69	46533	44.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.08%
11) 1,1-Dichloroethene-d2	2.26	63	83037	31.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.92%
21) 2-Butanone-d5	4.17	46	122278	112.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.14%
24) Chloroform-d	4.64	84	123188	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.74%
26) 1,2-Dichloroethane-d4	5.30	65	86276	50.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.72%
32) Benzene-d6	5.33	84	226592	45.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.84%
36) 1,2-Dichloropropane-d6	6.32	67	76068	48.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.78%
41) Toluene-d8	7.56	98	203114	43.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.90%
43) trans-1,3-Dichloropropene-	7.85	79	33678	41.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.38%
47) 2-Hexanone-d5	8.31	63	72702	99.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.05%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	115663	47.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	84265	47.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.34%

Target Compounds

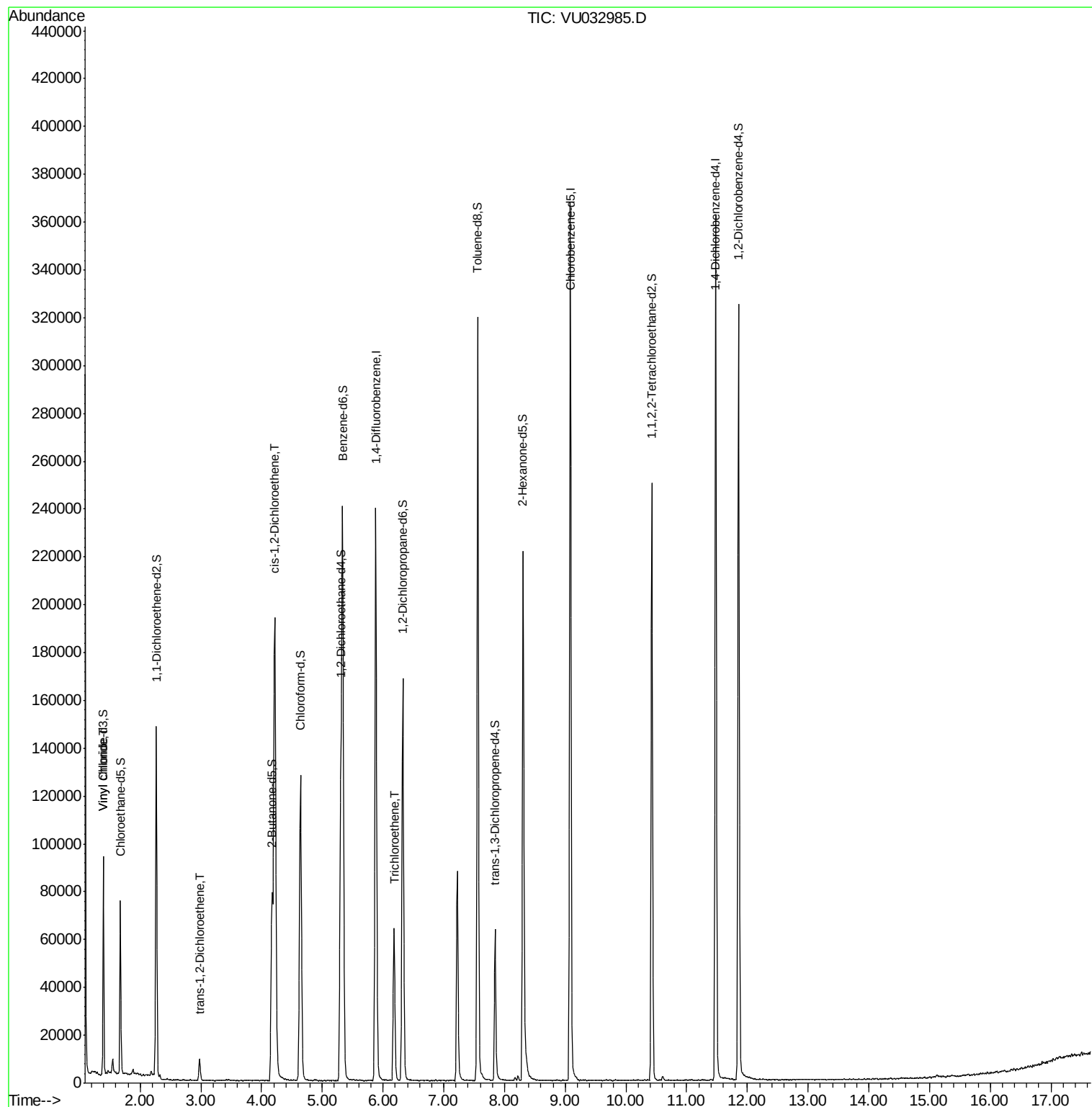
					Ovalue
5) Vinyl chloride	1.40	62	3434	1.973 ug/L	# 79
17) trans-1,2-Dichloroethene	2.97	96	3671	2.804 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	100026	70.142 ug/L	97
34) Trichloroethene	6.18	95	21466	14.733 ug/L	98

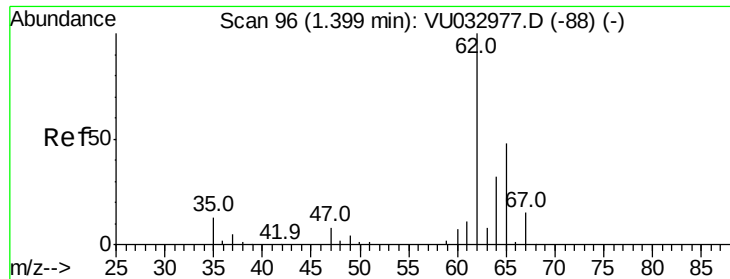
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.973 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

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ClientSampleId :

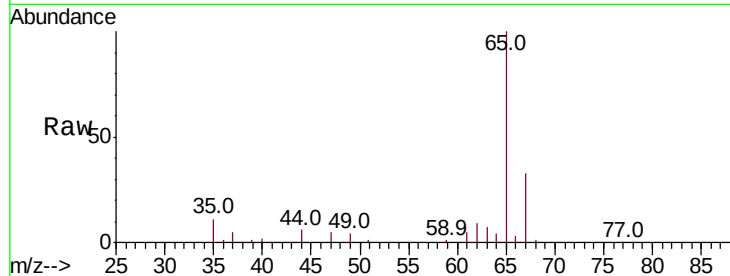
ETF22MS

Tot Ion: 62 Resp: 3434

Ion Ratio Lower Upper

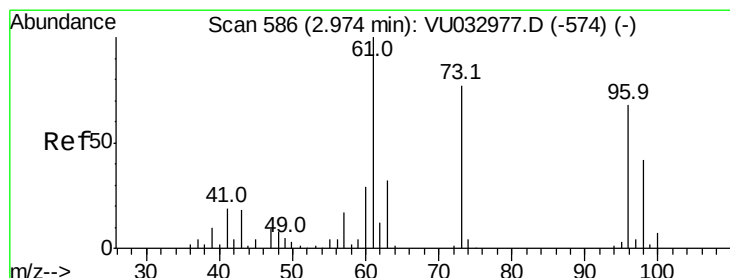
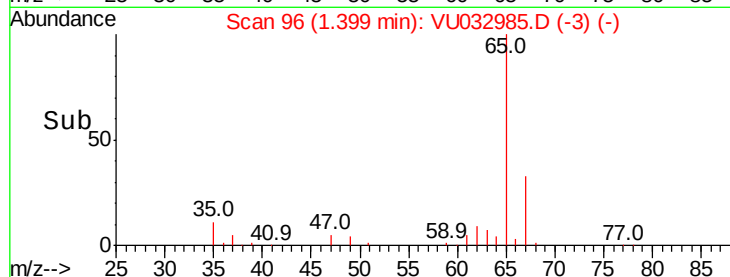
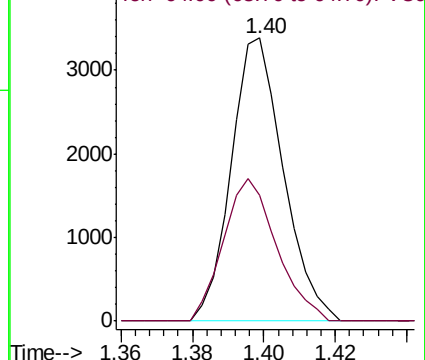
62 100

64 44.4 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#17

trans-1,2-Dichloroethene

Concen: 2.804 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

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Acq: 22 Jun 2019 07:43

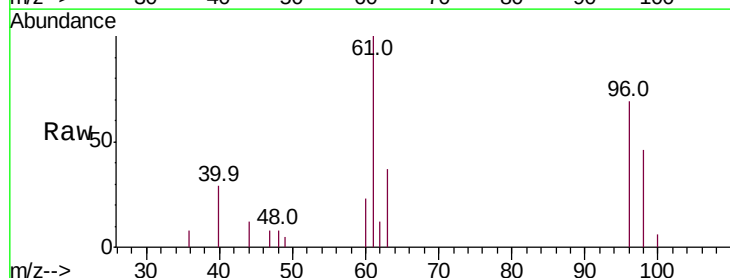
Tgt Ion: 96 Resp: 3671

Ion Ratio Lower Upper

96 100

61 143.9 100.9 187.5

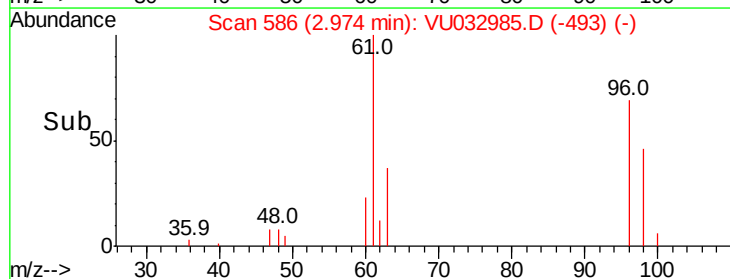
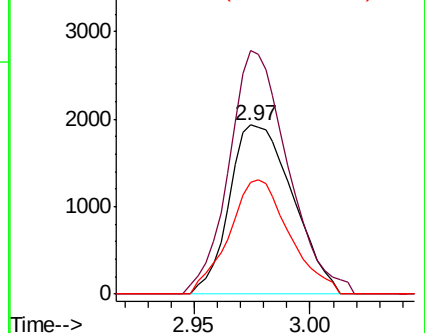
98 66.1 44.0 81.8

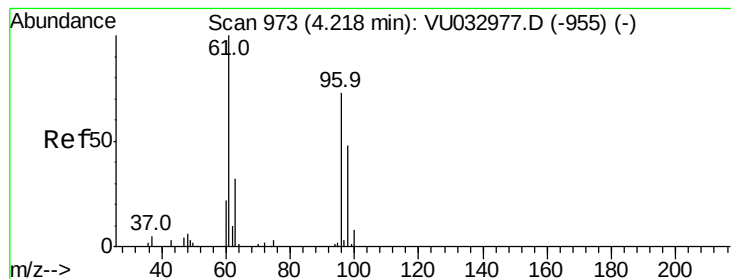


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 70.142 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

ETF22MS

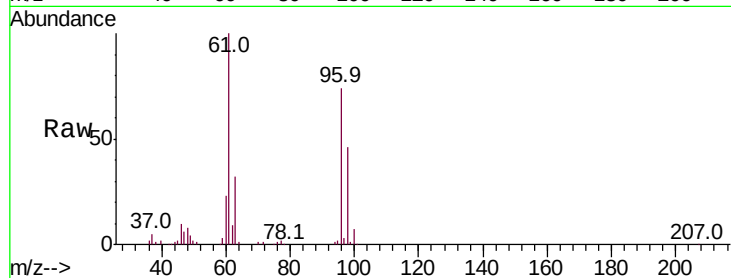
Tot Ion: 96 Resp: 100026

Ion Ratio Lower Upper

96 100

61 135.9 92.4 171.6

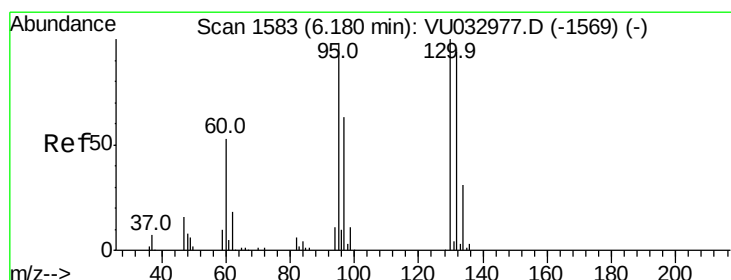
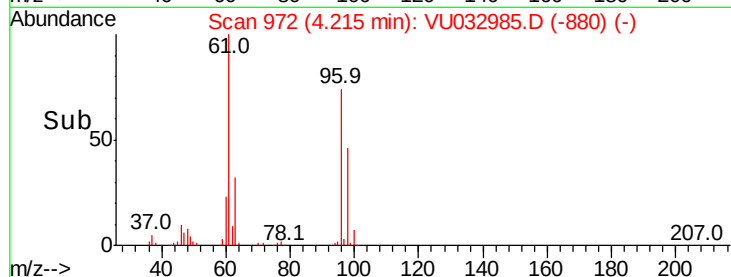
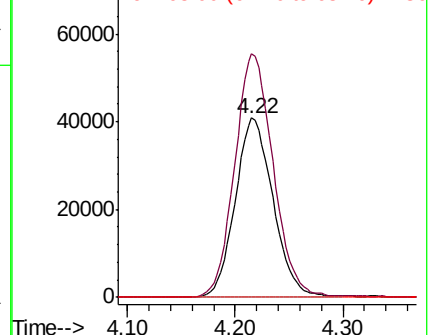
68 0.0 0.0 0.0



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: 14.733 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

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Acq: 22 Jun 2019 07:43

Tgt Ion: 95 Resp: 21466

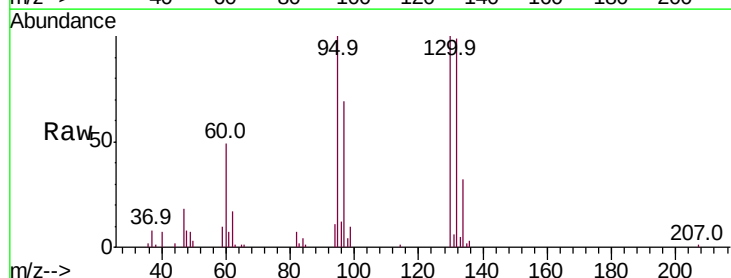
Ion Ratio Lower Upper

95 100

97 69.4 45.9 85.3

132 99.3 68.5 127.3

130 100.2 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

