

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062819\
 Data File : VU033062.D
 Acq On : 27 Jun 2019 13:25
 Operator : JC/SP
 Sample : K3463-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF14

Quant Time: Jun 28 03:00:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 28 02:43:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	180098	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	178698	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	86012	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	52858	42.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.90%
7) Chloroethane-d5	1.68	69	41877	42.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.32%
11) 1,1-Dichloroethene-d2	2.26	63	77628	31.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.62%
21) 2-Butanone-d5	4.17	46	117991	115.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.18%
24) Chloroform-d	4.64	84	114714	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
26) 1,2-Dichloroethane-d4	5.30	65	81427	51.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.18%
32) Benzene-d6	5.33	84	215239	46.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.42%
36) 1,2-Dichloropropane-d6	6.32	67	73268	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.74%
41) Toluene-d8	7.56	98	195711	44.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.72%
43) trans-1,3-Dichloropropene-	7.84	79	35796	46.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.74%
47) 2-Hexanone-d5	8.31	63	66388	95.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.81%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	112108	48.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	81767	49.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.26%

Target Compounds

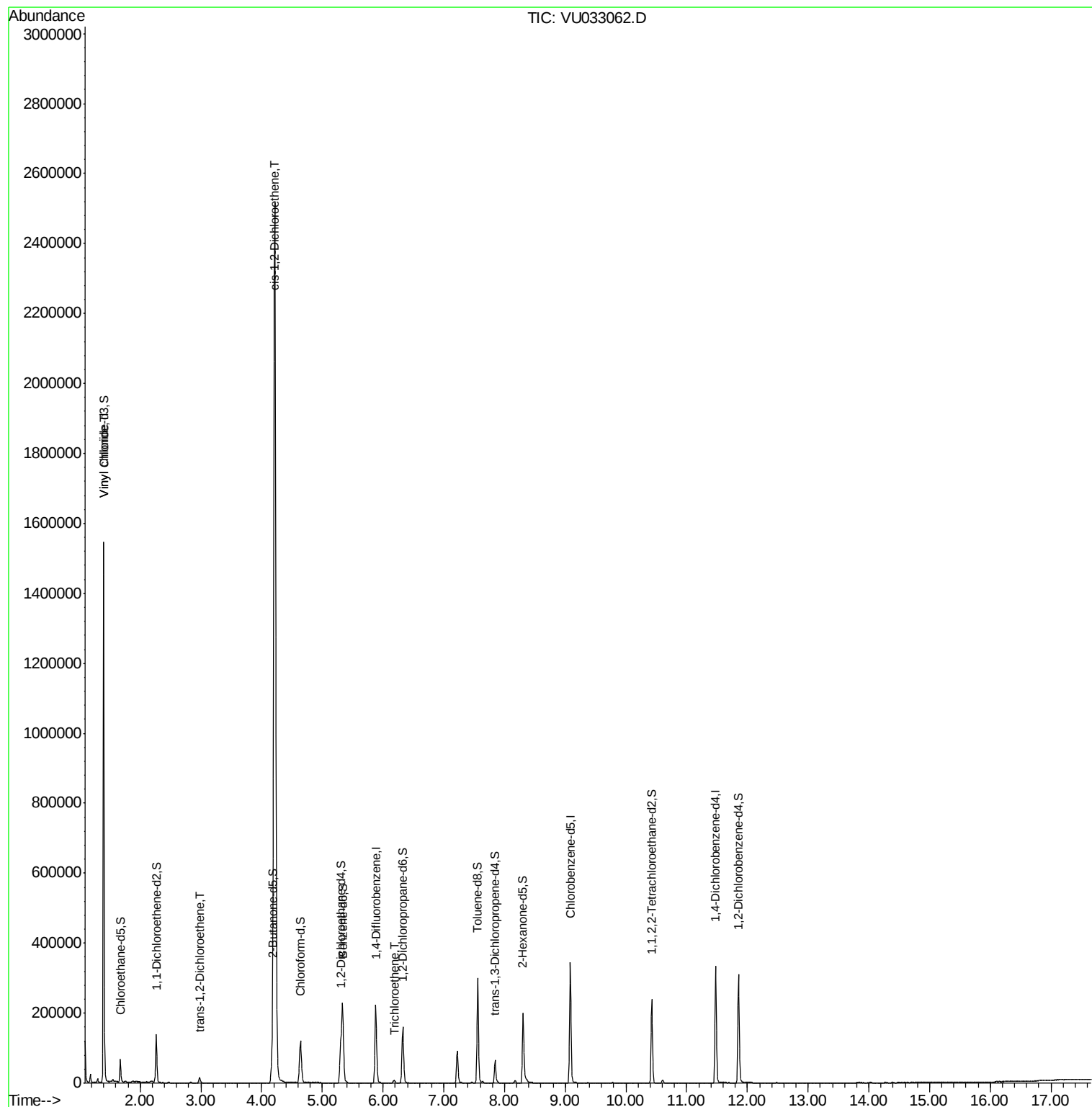
					Ovalue
5) Vinyl chloride	1.40	62	887192	542.480	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	6041	4.912	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	1329740	992.481	ug/L 94
34) Trichloroethene	6.19	95	2536	1.844	ug/L 93

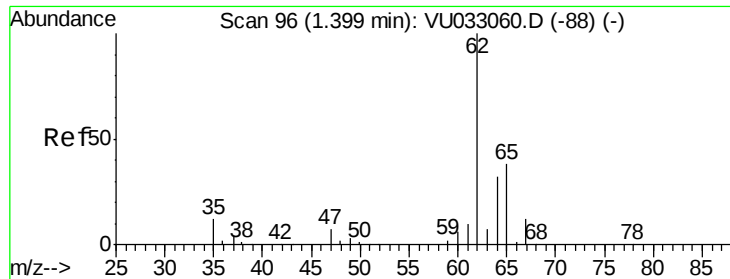
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 542.480 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033062.D

Acq: 27 Jun 2019 13:25

Instrument :

MSVOA_U

ClientSampled :

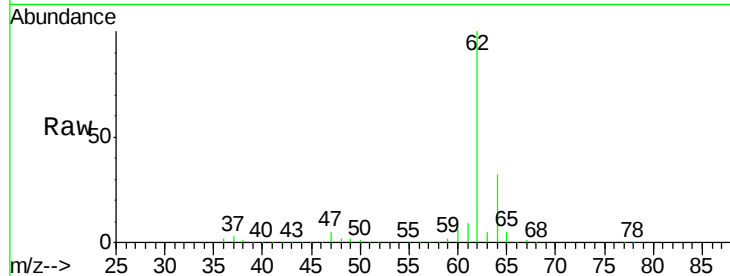
ETF14

Tot Ion: 62 Resp: 887192

Ion Ratio Lower Upper

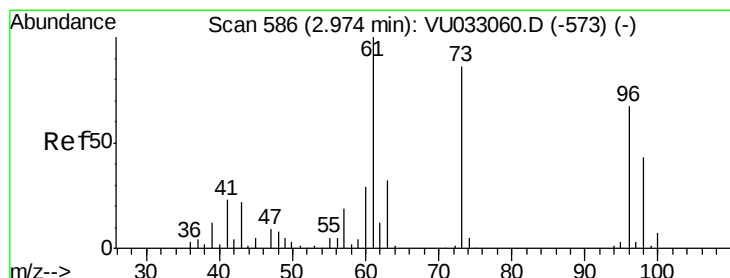
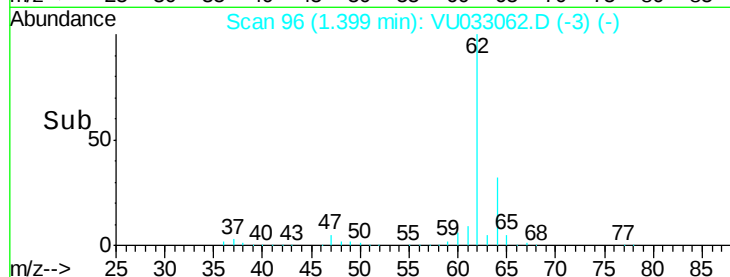
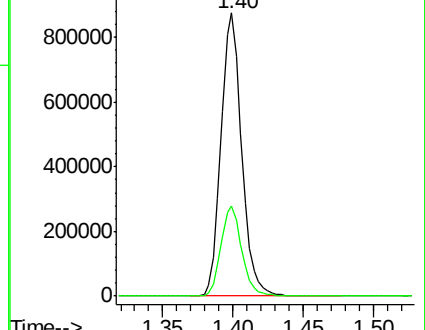
62 100

64 31.9 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU033062.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU033062.D (-88) (-)



#17

trans-1,2-Dichloroethene

Concen: 4.912 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033062.D

Acq: 27 Jun 2019 13:25

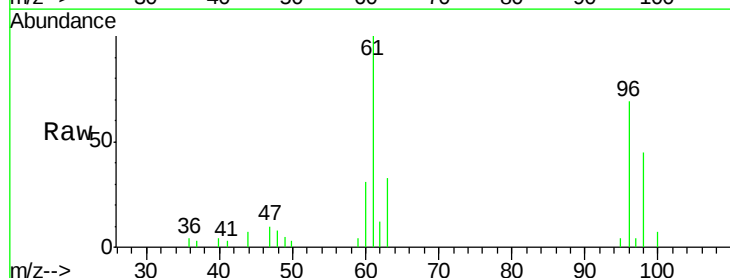
Tgt Ion: 96 Resp: 6041

Ion Ratio Lower Upper

96 100

61 145.4 100.9 187.5

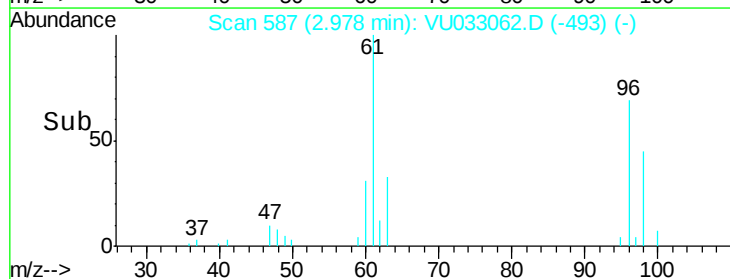
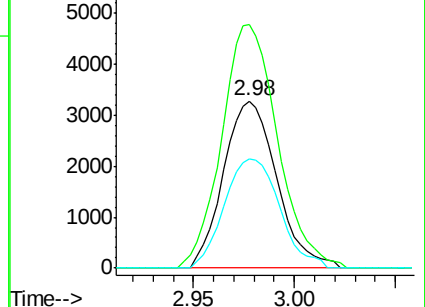
98 65.4 44.0 81.8

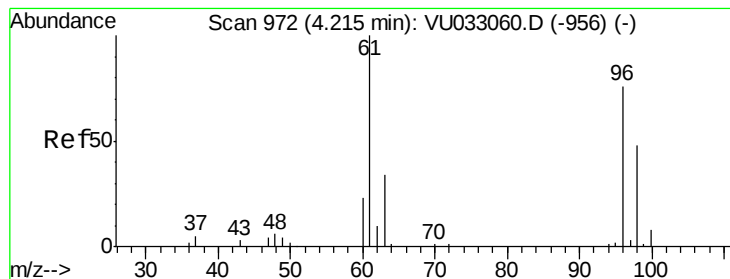


Abundance Ion 96.00 (95.70 to 96.70): VU033062.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU033062.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU033062.D (-573) (-)



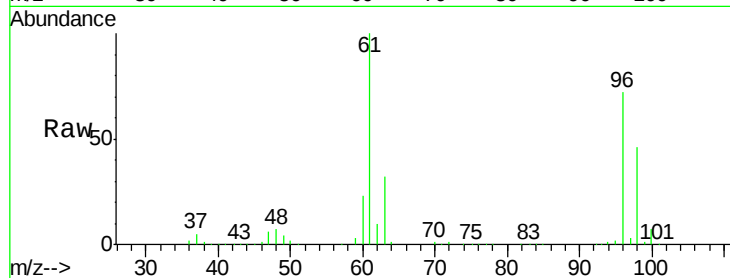


#20

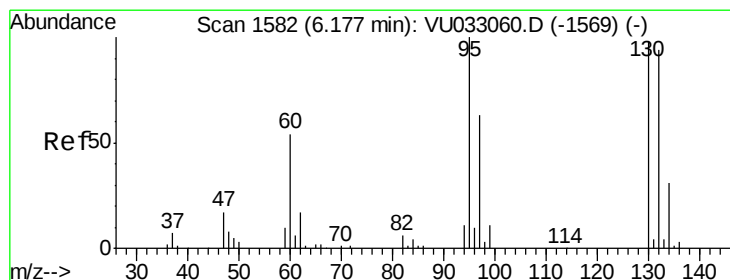
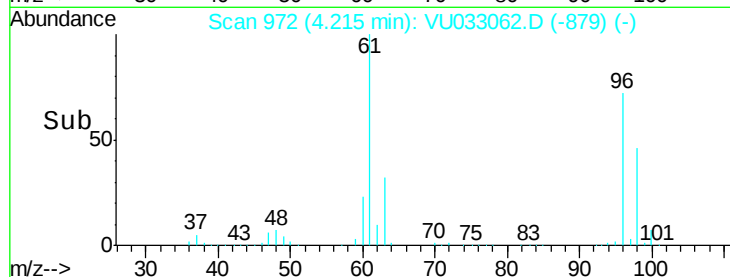
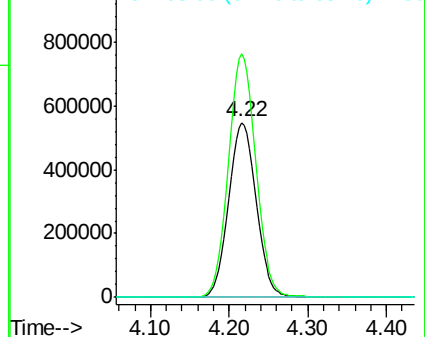
cis-1,2-Dichloroethene
Concen: 992.481 ug/L
RT: 4.22 min Scan# 972
Delta R.T. 0.00 min
Lab File: VU033062.D
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ETF14

Tot Ion: 96 Resp: 1329740
Ion Ratio Lower Upper
96 100
61 139.5 92.4 171.6
68 0.0 0.0 0.0



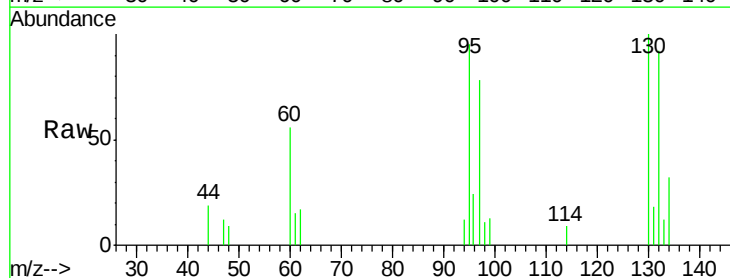
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



#34

Trichloroethene
Concen: 1.844 ug/L
RT: 6.19 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VU033062.D
Acq: 27 Jun 2019 13:25

Tgt Ion: 95 Resp: 2536
Ion Ratio Lower Upper
95 100
97 82.5 45.9 85.3
132 96.8 68.5 127.3
130 105.2 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

