

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062419\
 Data File : VU033033.D
 Acq On : 25 Jun 2019 01:58
 Operator : JC/SP
 Sample : K3478-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF26

Quant Time: Jun 25 08:04:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 06:54:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	184815	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	177901	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	86140	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56938	45.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.16%
7) Chloroethane-d5	1.68	69	49410	49.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.10%
11) 1,1-Dichloroethene-d2	2.27	63	93707	36.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.66%
21) 2-Butanone-d5	4.17	46	111963	106.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.50%
24) Chloroform-d	4.64	84	121245	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.76%
26) 1,2-Dichloroethane-d4	5.30	65	86034	52.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.20%
32) Benzene-d6	5.33	84	239079	51.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.10%
36) 1,2-Dichloropropane-d6	6.32	67	77475	52.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.88%
41) Toluene-d8	7.56	98	217261	50.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.06%
43) trans-1,3-Dichloropropene-	7.84	79	35615	46.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.68%
47) 2-Hexanone-d5	8.31	63	63975	92.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.74%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	113114	49.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.06%
64) 1,2-Dichlorobenzene-d4	11.85	152	83986	50.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.76%

Target Compounds

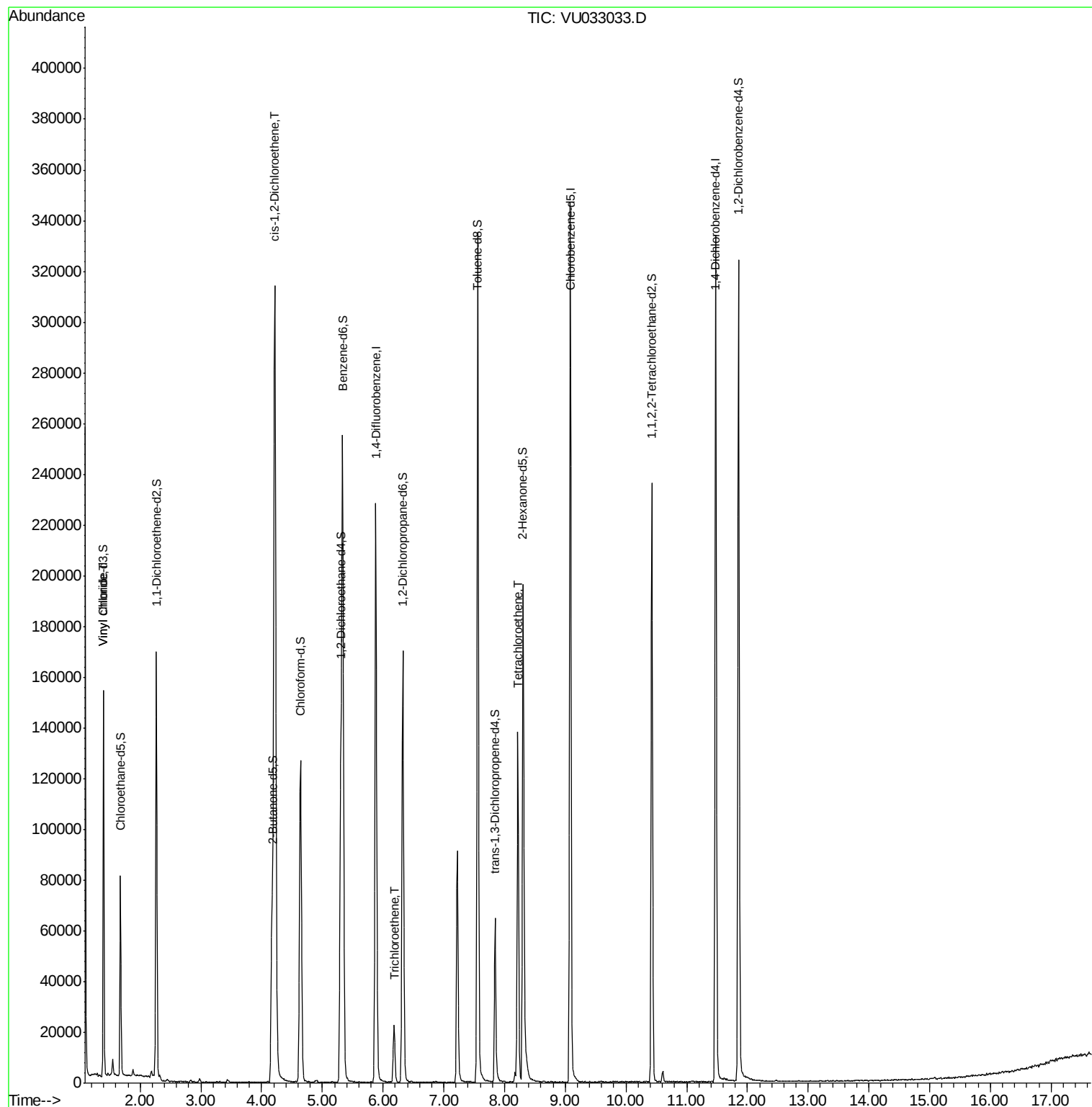
					Ovalue
5) Vinyl chloride	1.40	62	41497	24.726	ug/L 96
20) cis-1,2-Dichloroethene	4.22	96	166148	120.843	ug/L 94
34) Trichloroethene	6.18	95	7093	5.180	ug/L 95
46) Tetrachloroethene	8.22	164	29613	26.392	ug/L 97

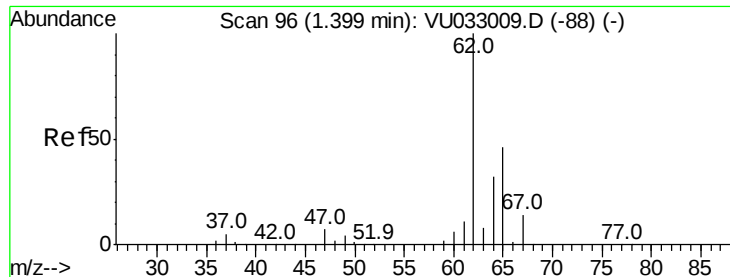
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 24.726 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

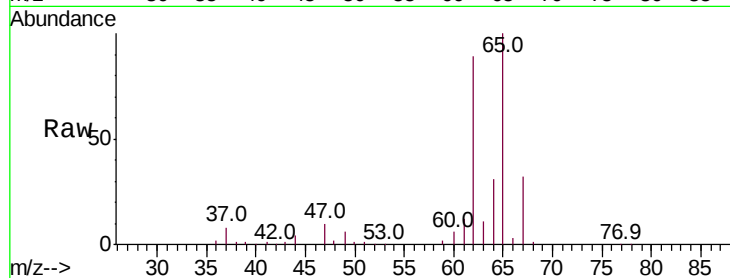
ETF26

Tot Ion: 62 Resp: 41497

Ion Ratio Lower Upper

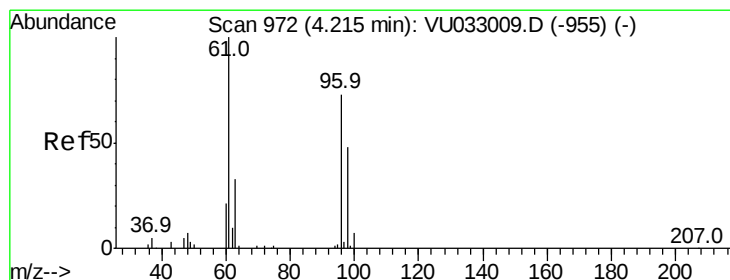
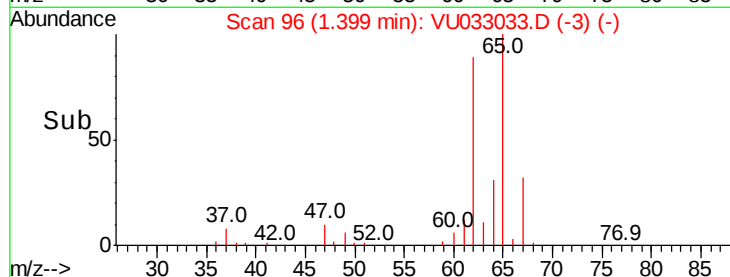
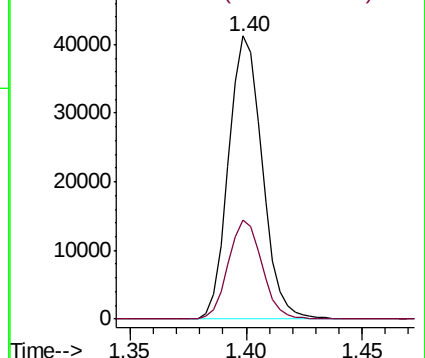
62 100

64 34.8 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 120.843 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU033033.D

Acq: 25 Jun 2019 01:58

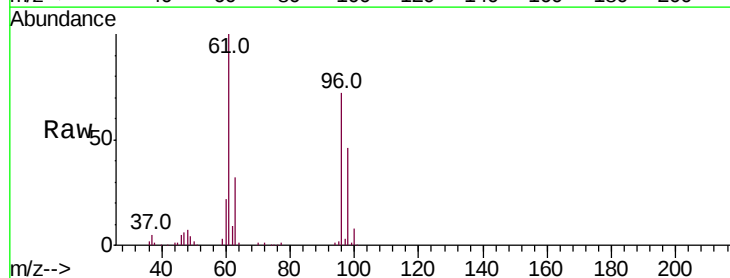
Tgt Ion: 96 Resp: 166148

Ion Ratio Lower Upper

96 100

61 139.3 92.4 171.6

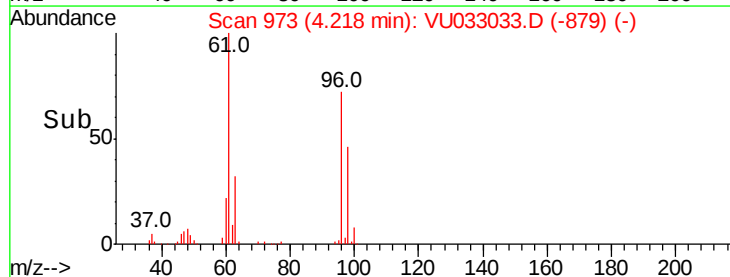
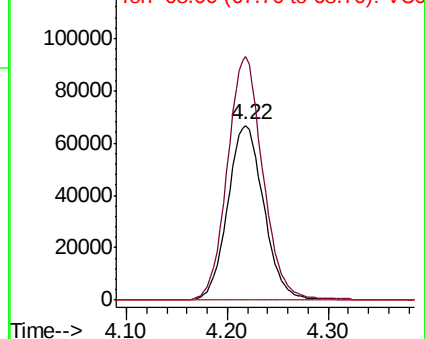
68 0.0 0.0 0.0

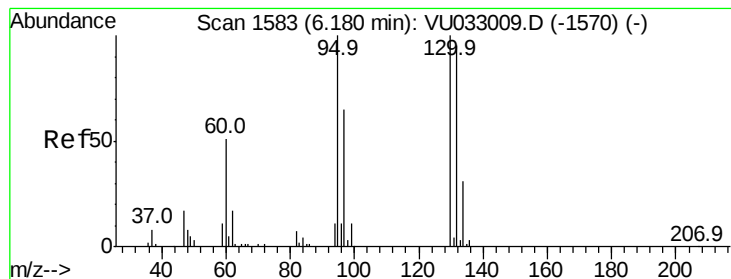


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#34

Trichloroethene

Concen: 5.180 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU033033.D

Acq: 25 Jun 2019 01:58

Instrument :

MSVOA_U

ClientSampleId :

ETF26

Tot Ion: 95 Resp: 7093

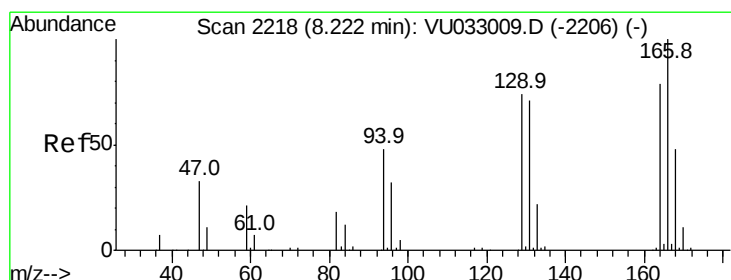
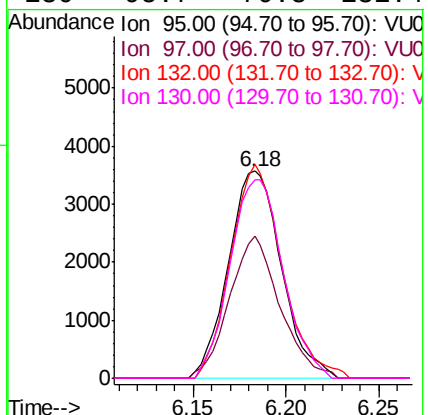
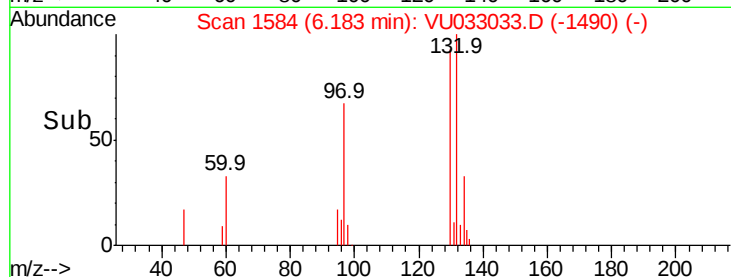
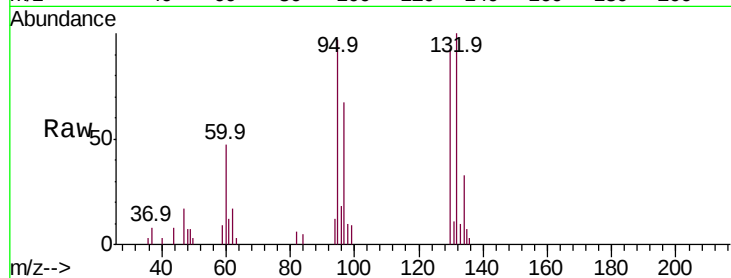
Ion Ratio Lower Upper

95 100

97 68.9 45.9 85.3

132 103.1 68.5 127.3

130 95.7 70.8 131.4



#46

Tetrachloroethene

Concen: 26.392 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU033033.D

Acq: 25 Jun 2019 01:58

Tgt Ion:164 Resp: 29613

Ion Ratio Lower Upper

164 100

129 96.3 64.8 120.3

131 98.1 64.5 119.7

166 131.3 91.3 169.6

