

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062419\
 Data File : VU033003.D
 Acq On : 24 Jun 2019 13:36
 Operator : JC/SP
 Sample : K3478-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF26

Quant Time: Jun 25 06:41:52 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	196419	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	194026	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	92155	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	37129	27.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	55.32%#
7) Chloroethane-d5	1.68	69	36582	34.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	68.34%#
11) 1,1-Dichloroethene-d2	2.27	63	65975	24.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	48.80%#
21) 2-Butanone-d5	4.17	46	124524	111.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.45%
24) Chloroform-d	4.64	84	111646	42.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.56%
26) 1,2-Dichloroethane-d4	5.30	65	78930	45.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.82%
32) Benzene-d6	5.33	84	199728	39.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.98%
36) 1,2-Dichloropropane-d6	6.32	67	70325	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.30%
41) Toluene-d8	7.56	98	176038	37.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.34%#
43) trans-1,3-Dichloropropene-	7.85	79	34357	40.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.98%
47) 2-Hexanone-d5	8.31	63	71276	94.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.74%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	116674	46.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.68%
64) 1,2-Dichlorobenzene-d4	11.85	152	78719	44.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.28%

Target Compounds

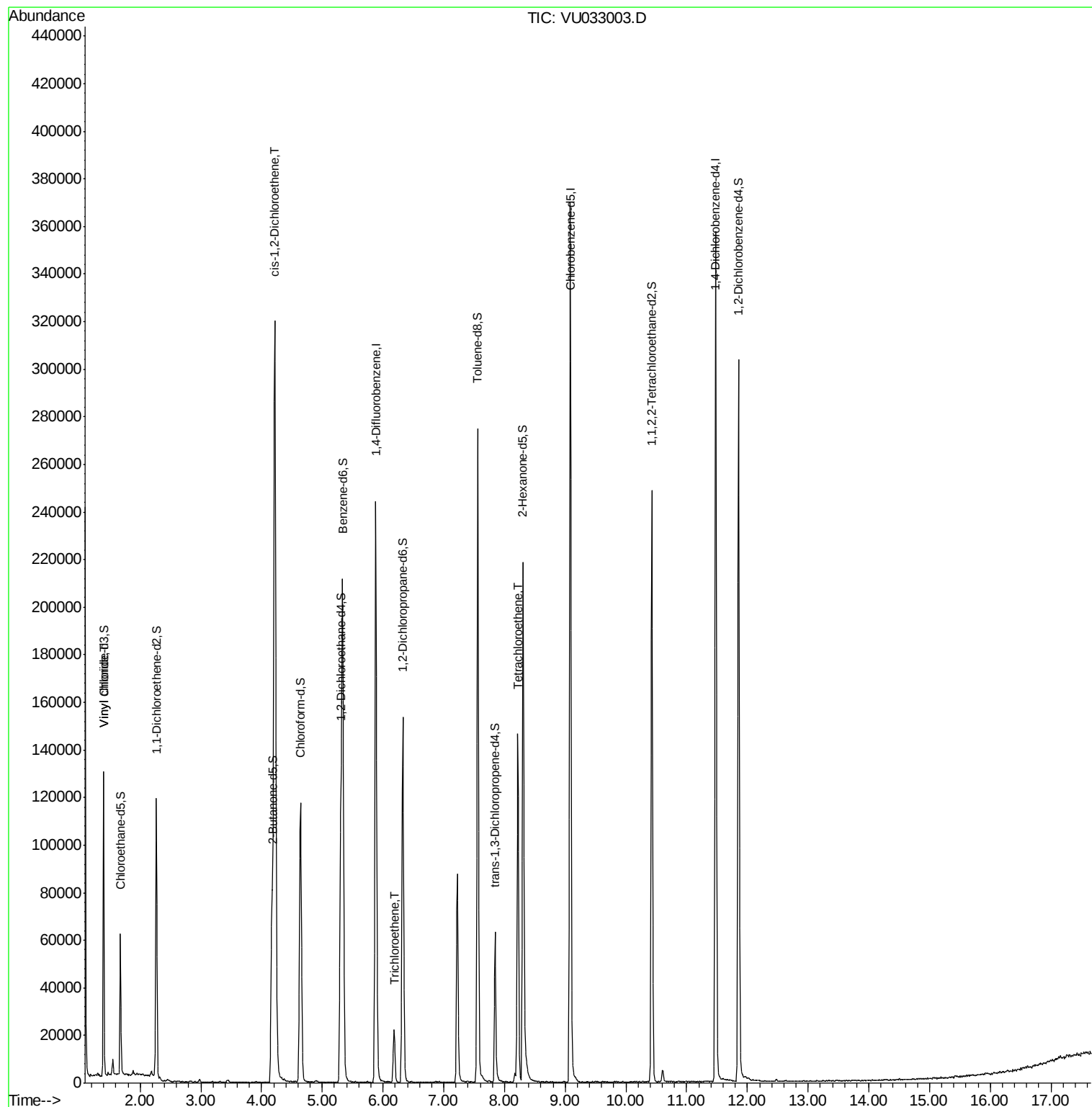
					Ovalue
5) Vinyl chloride	1.40	62	42116	23.612	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	167404	114.564	ug/L 98
34) Trichloroethene	6.18	95	7394	4.951	ug/L 95
46) Tetrachloroethene	8.22	164	30843	25.204	ug/L 98

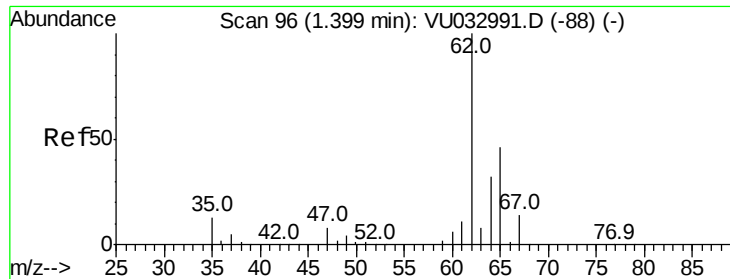
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 23.612 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033003.D

Acq: 24 Jun 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

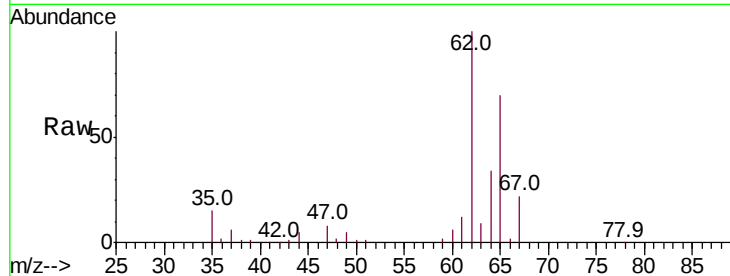
ETF26

Tot Ion: 62 Resp: 42116

Ion Ratio Lower Upper

62 100

64 33.5 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU033003.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU033003.D (-88) (-)

1.40

40000

30000

20000

10000

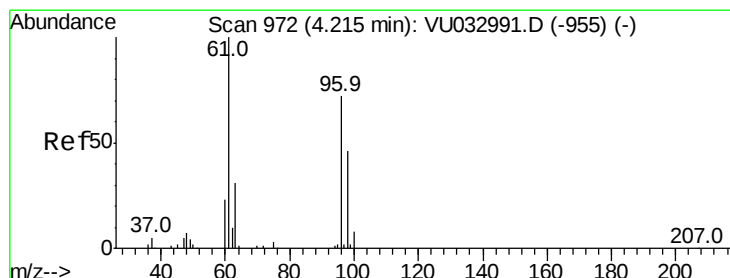
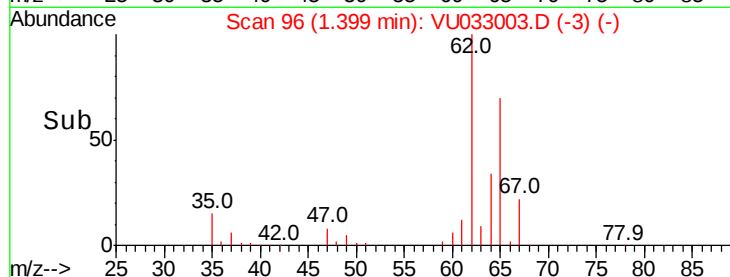
0

Time-->

1.35

1.40

1.45



#20

cis-1,2-Dichloroethene

Concen: 114.564 ug/L

RT: 4.22 min Scan# 972

Delta R.T. 0.00 min

Lab File: VU033003.D

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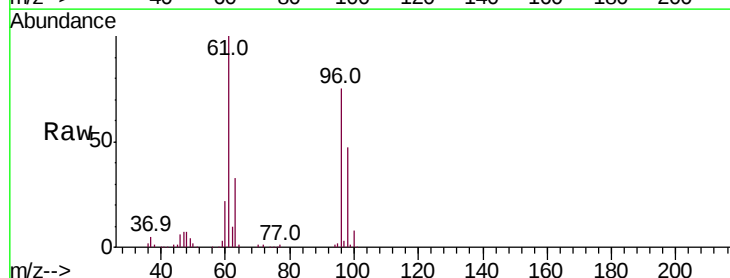
Tgt Ion: 96 Resp: 167404

Ion Ratio Lower Upper

96 100

61 134.1 92.4 171.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033003.D (-879) (-)

Ion 61.00 (60.70 to 61.70): VU033003.D (-879) (-)

Ion 68.00 (67.70 to 68.70): VU033003.D (-879) (-)

120000

100000

80000

60000

40000

20000

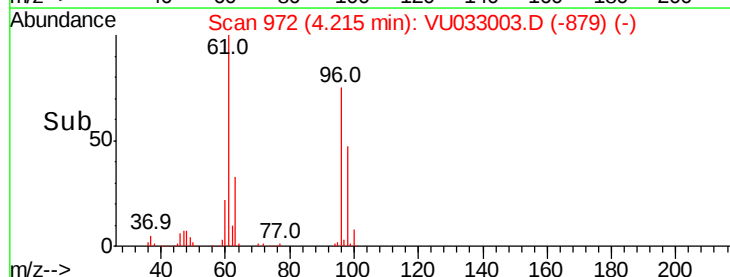
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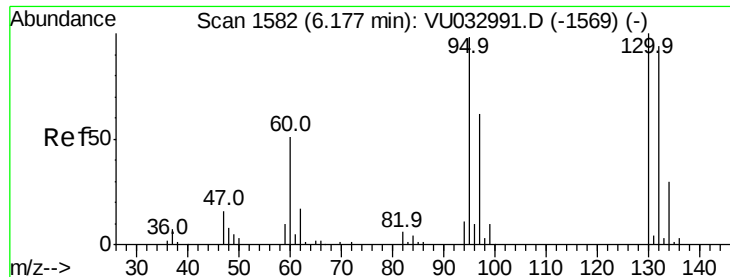
Time-->

4.10

4.20

4.30





#34

Trichloroethene

Concen: 4.951 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VU033003.D

Acq: 24 Jun 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

ETF26

Tot Ion: 95 Resp: 7394

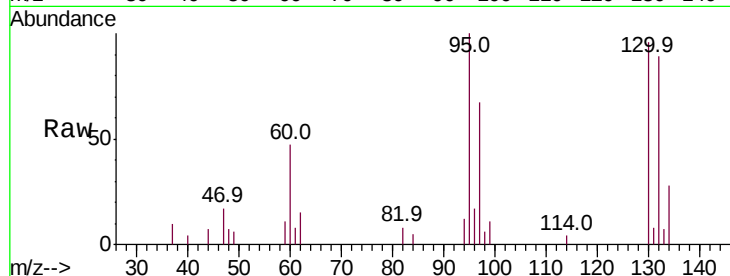
Ion Ratio Lower Upper

95 100

97 66.6 45.9 85.3

132 89.5 68.5 127.3

130 96.1 70.8 131.4



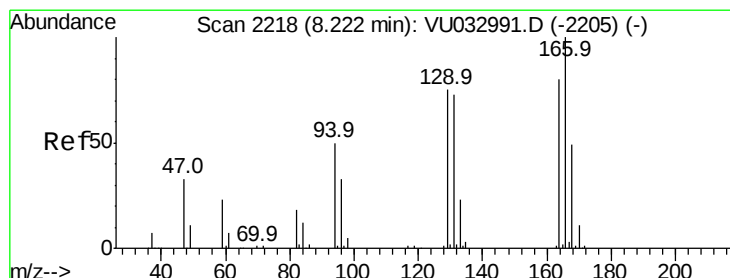
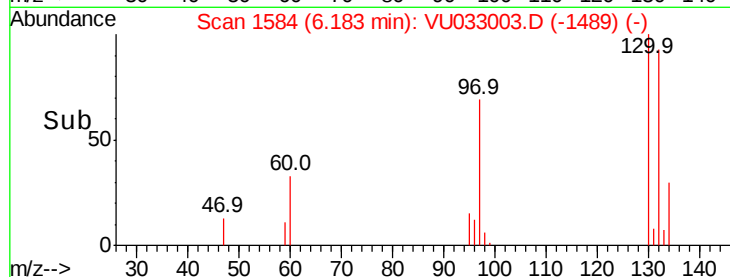
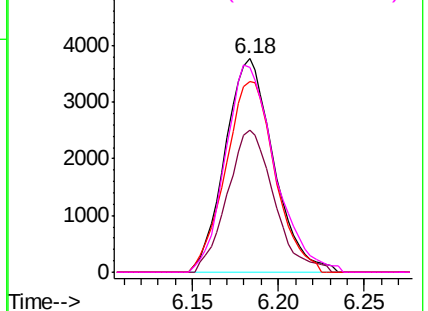
Abundance

Ion 95.00 (94.70 to 95.70): VU032991.D (-1569) (-)

Ion 97.00 (96.70 to 97.70): VU032991.D (-1569) (-)

Ion 132.00 (131.70 to 132.70): VU032991.D (-1569) (-)

Ion 130.00 (129.70 to 130.70): VU032991.D (-1569) (-)



#46

Tetrachloroethene

Concen: 25.204 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU033003.D

Acq: 24 Jun 2019 13:36

Tgt Ion:164 Resp: 30843

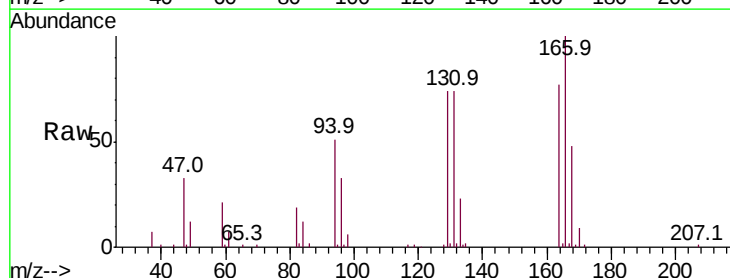
Ion Ratio Lower Upper

164 100

129 95.2 64.8 120.3

131 94.9 64.5 119.7

166 129.1 91.3 169.6



Abundance

Ion 164.00 (163.70 to 164.70): VU032991.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VU032991.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VU032991.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU032991.D (-2205) (-)

