

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062419\
 Data File : VU032996.D
 Acq On : 24 Jun 2019 10:55
 Operator : JC/SP
 Sample : K3478-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF23

Quant Time: Jun 25 06:02:19 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	204104	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	199223	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	95402	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	40112	28.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	57.52%#
7) Chloroethane-d5	1.68	69	39204	35.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.48%
11) 1,1-Dichloroethene-d2	2.27	63	68888	24.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	49.02%#
21) 2-Butanone-d5	4.17	46	125591	108.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.18%
24) Chloroform-d	4.64	84	114535	42.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.48%
26) 1,2-Dichloroethane-d4	5.30	65	83278	46.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.20%
32) Benzene-d6	5.33	84	209765	40.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.78%
36) 1,2-Dichloropropane-d6	6.32	67	72769	43.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.98%
41) Toluene-d8	7.56	98	184700	37.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.96%#
43) trans-1,3-Dichloropropene-	7.85	79	36483	42.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.78%
47) 2-Hexanone-d5	8.31	63	75786	98.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.11%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	118863	46.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.96%
64) 1,2-Dichlorobenzene-d4	11.85	152	82643	44.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.54%

Target Compounds

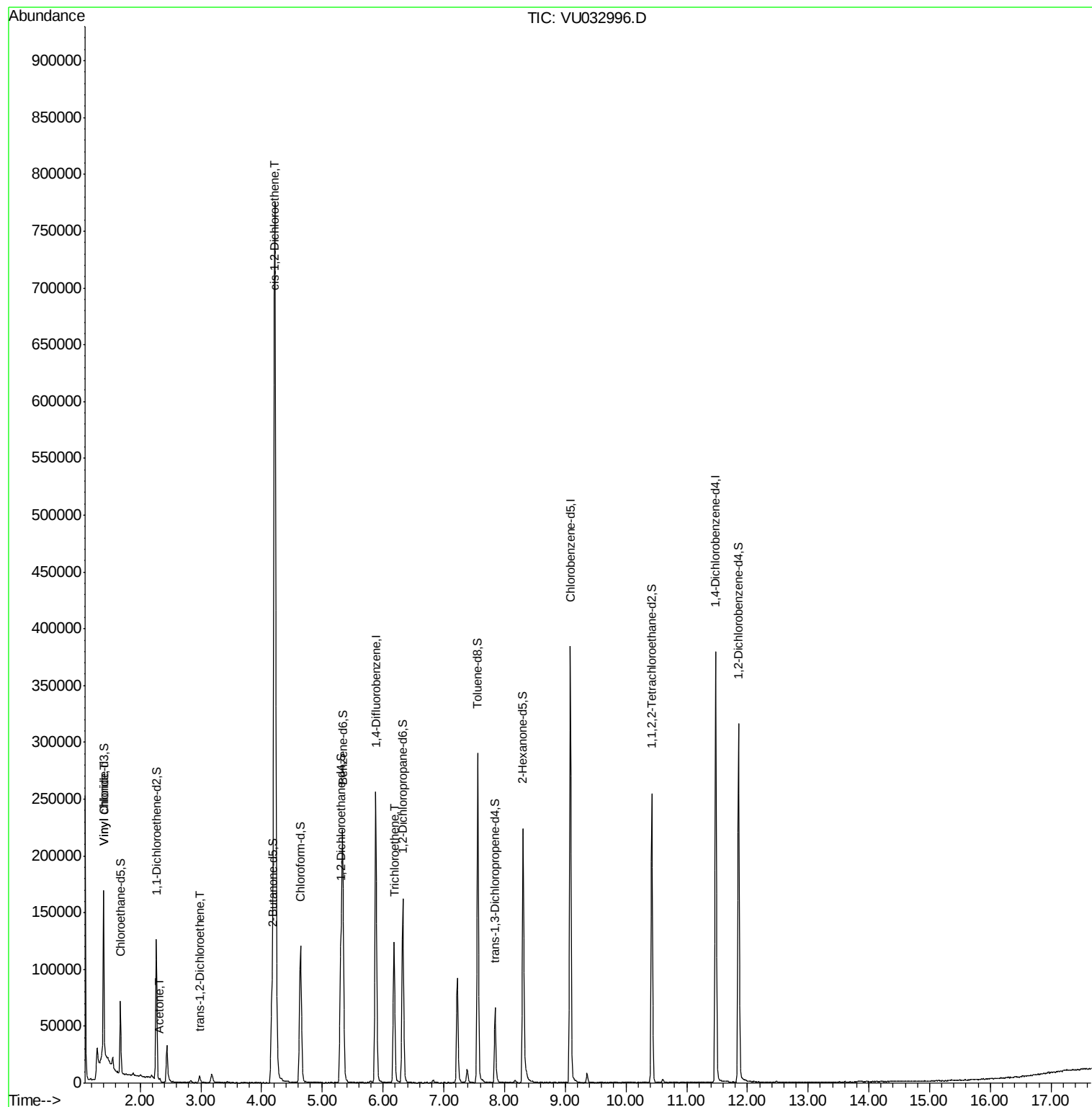
					Ovalue
5) Vinyl chloride	1.40	62	53379	28.800	ug/L # 52
13) Acetone	2.32	43	2091	1.304	ug/L 77
17) trans-1,2-Dichloroethene	2.98	96	2285	1.639	ug/L 95
20) cis-1,2-Dichloroethene	4.22	96	407900	268.637	ug/L 95
34) Trichloroethene	6.18	95	40480	26.399	ug/L 98

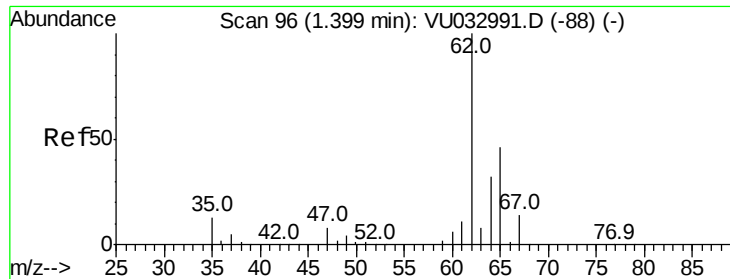
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 28.800 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032996.D

Acq: 24 Jun 2019 10:55

Instrument :

MSVOA_U

ClientSampled :

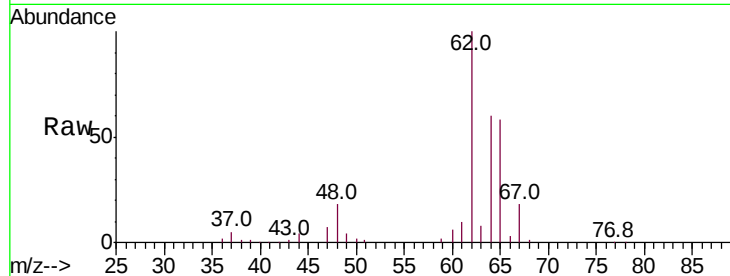
ETF23

Tot Ion: 62 Resp: 53379

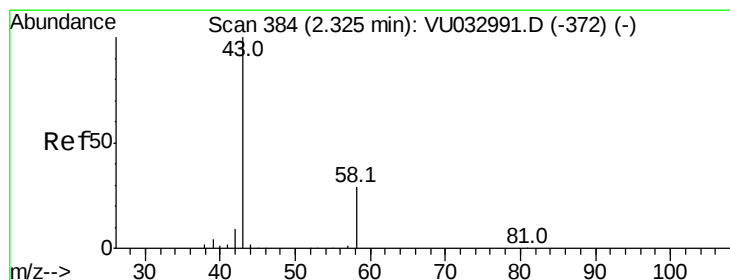
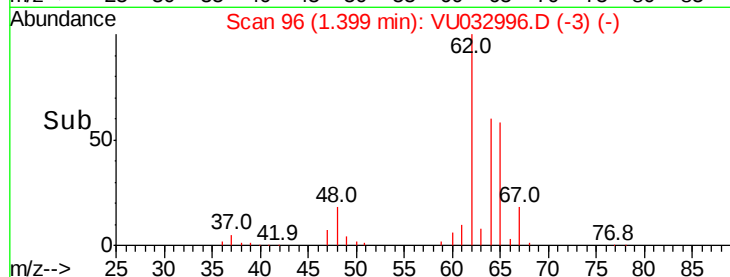
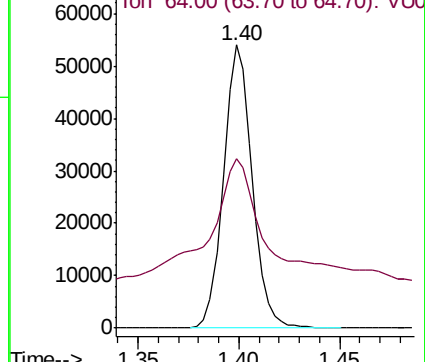
Ion Ratio Lower Upper

62 100

64 60.1 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VU032996.D (-88) (-)



#13

Acetone

Concen: 1.304 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU032996.D

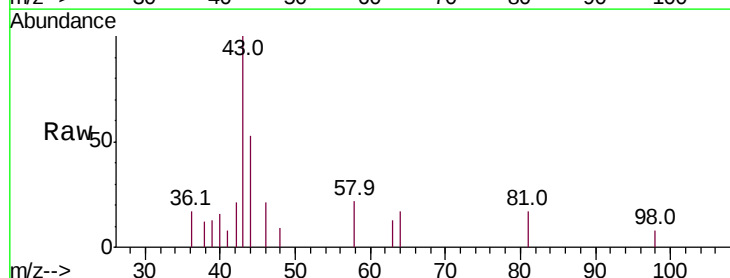
Acq: 24 Jun 2019 10:55

Tgt Ion: 43 Resp: 2091

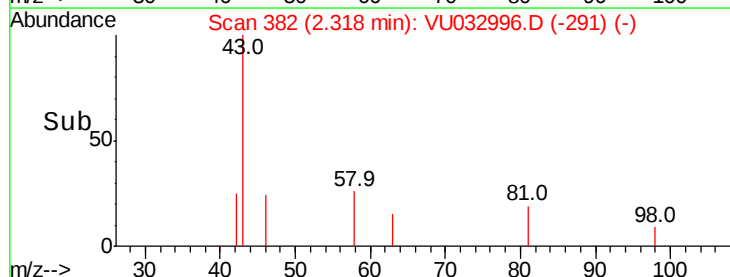
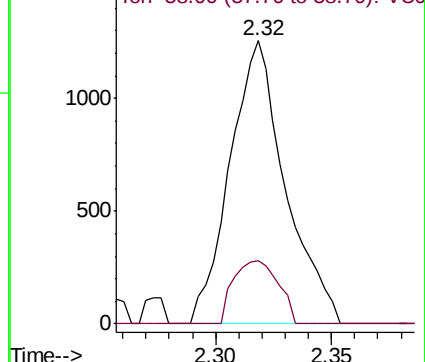
Ion Ratio Lower Upper

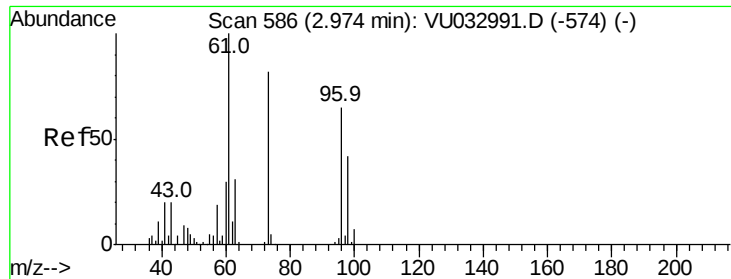
43 100

58 17.9 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032996.D (-291) (-)





#17

trans-1,2-Dichloroethene

Concen: 1.639 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.01 min

Lab File: VU032996.D

Acq: 24 Jun 2019 10:55

Instrument :

MSVOA_U

ClientSampled :

ETF23

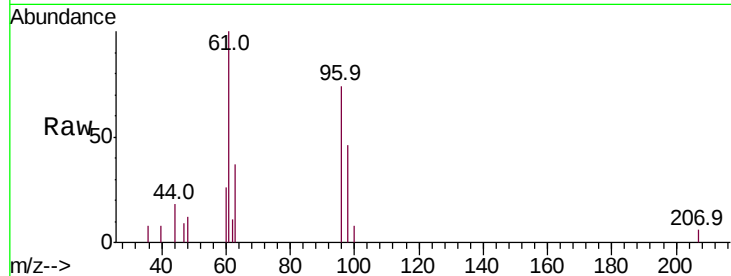
Tot Ion: 96 Resp: 2285

Ion Ratio Lower Upper

96 100

61 135.5 100.9 187.5

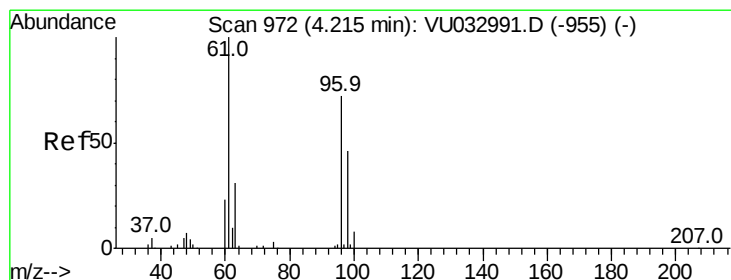
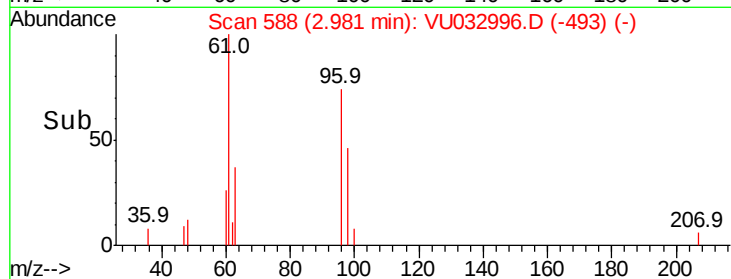
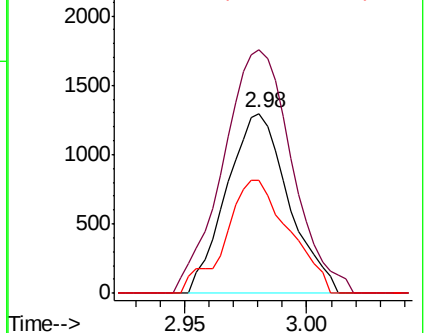
98 62.6 44.0 81.8



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: 268.637 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU032996.D

Acq: 24 Jun 2019 10:55

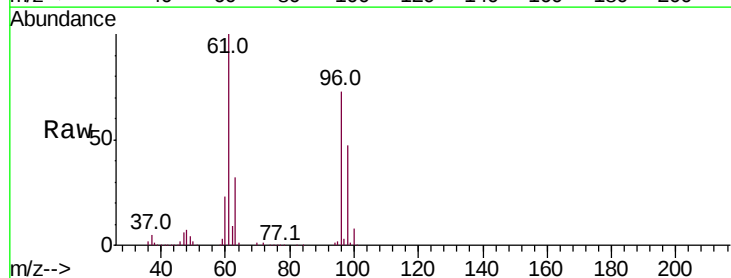
Tgt Ion: 96 Resp: 407900

Ion Ratio Lower Upper

96 100

61 137.9 92.4 171.6

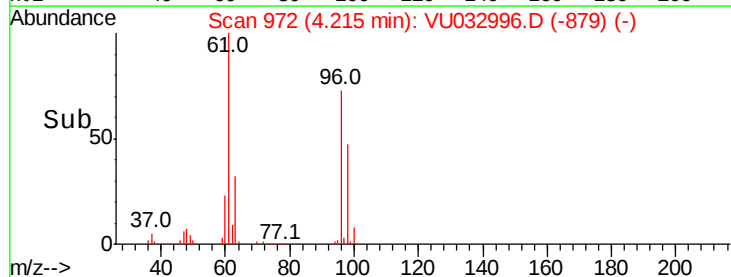
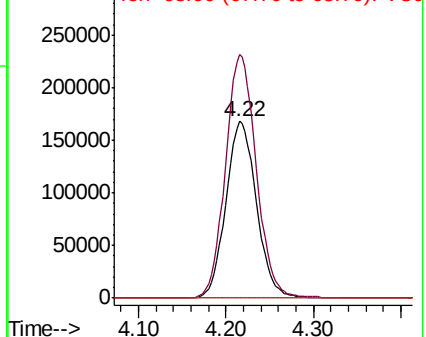
68 0.0 0.0 0.0

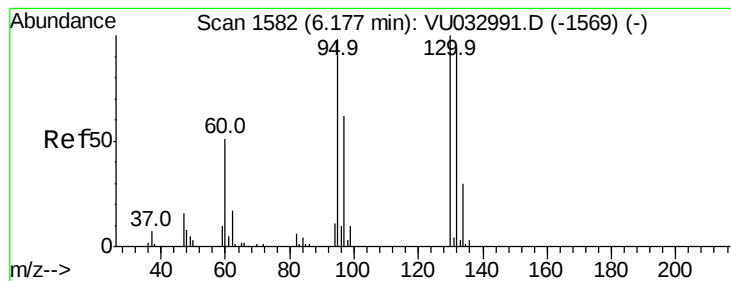


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#34

Trichloroethene

Concen: 26.399 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032996.D

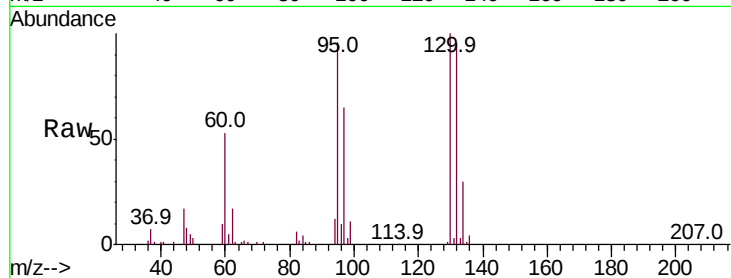
Acq: 24 Jun 2019 10:55

Instrument :

MSVOA_U

ClientSampleId :

ETF23



Tot Ion: 95 Resp: 40480

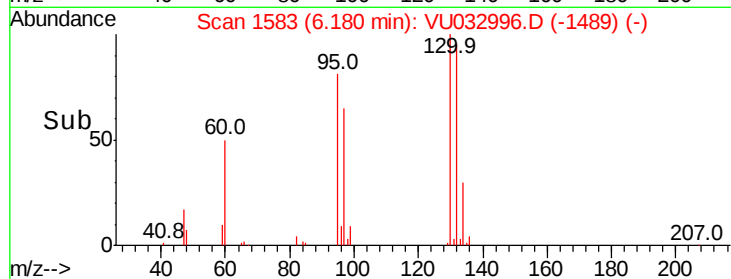
Ion Ratio Lower Upper

95 100

97 67.3 45.9 85.3

132 98.2 68.5 127.3

130 103.8 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

