

Data File : VU033043.D
Acq On : 25 Jun 2019 10:34
Operator : JC/SP
Sample : K3478-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF37

Quant Time: Jun 26 07:09:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 26 07:06:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	193895	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	190322	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	87339	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	61574	46.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.94%
7) Chloroethane-d5	1.68	69	53700	50.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.62%
11) 1,1-Dichloroethene-d2	2.26	63	97251	36.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.86%
21) 2-Butanone-d5	4.17	46	127752	115.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.83%
24) Chloroform-d	4.64	84	133022	51.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.28%
26) 1,2-Dichloroethane-d4	5.30	65	93978	54.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.54%
32) Benzene-d6	5.33	84	256520	51.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.32	67	83394	52.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.54%
41) Toluene-d8	7.56	98	229958	49.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.98%
43) trans-1,3-Dichloropropene-	7.85	79	40403	49.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.28%
47) 2-Hexanone-d5	8.31	63	72274	97.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.94%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	121854	49.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	88851	52.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.14%

Target Compounds

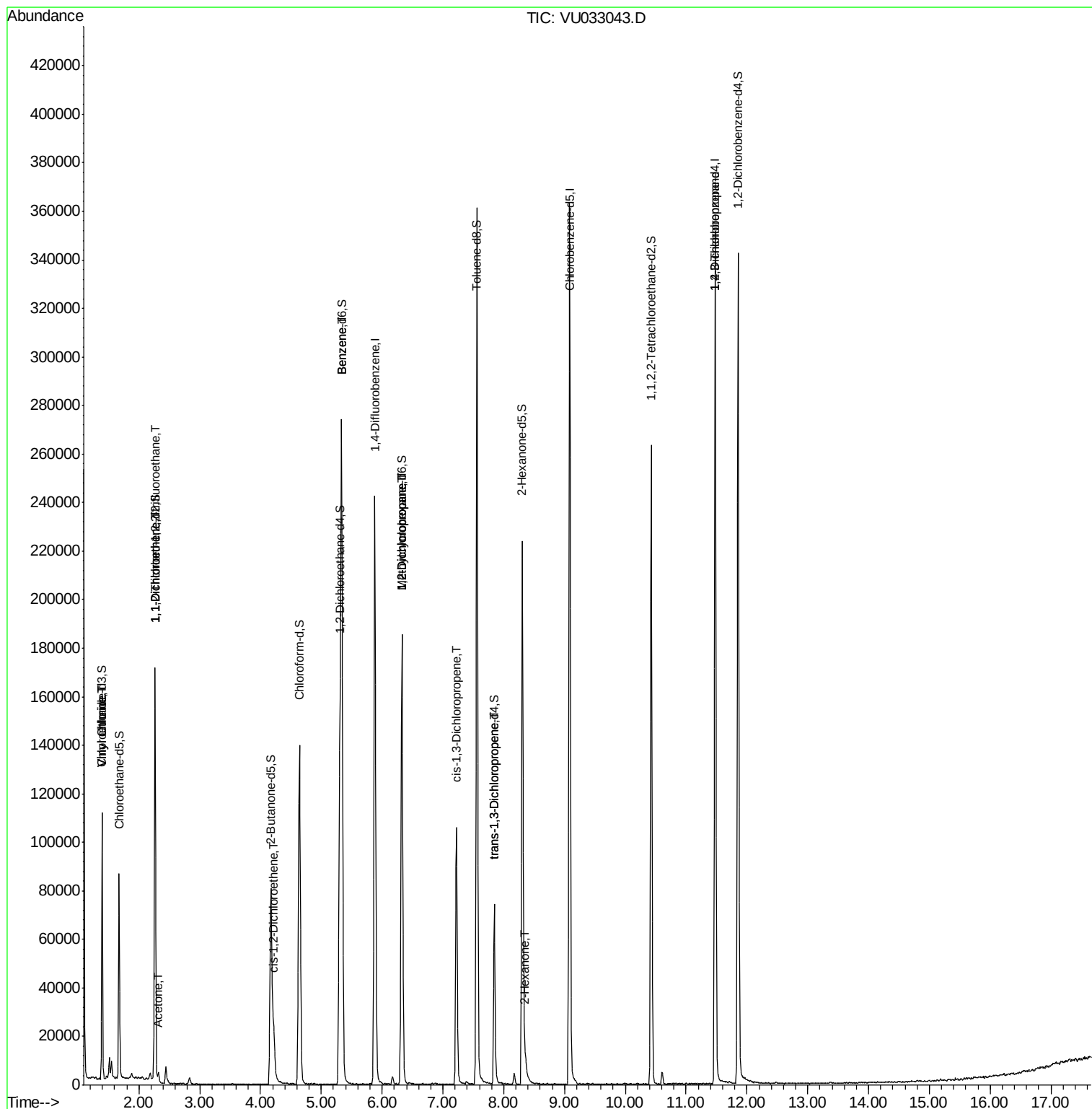
					Qvalue
5) Vinyl chloride	1.40	62	9098	5.167 ug/L	86
8) Chloroethane	1.40	64	3774	3.724 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	737	0.569 ug/L #	17
12) 1,1-Dichloroethene	2.27	96	766	0.627 ug/L #	1
13) Acetone	2.32	43	3438	2.257 ug/L	87
20) cis-1,2-Dichloroethene	4.22	96	6947	4.816 ug/L	89
33) Benzene	5.33	78	2244	0.409 ug/L	100
35) Methylcyclohexane	6.32	83	19222	8.489 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	10208	6.787 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2798	1.194 ug/L #	68
44) trans-1,3-Dichloropropene	7.84	75	2123	0.965 ug/L	96
48) 2-Hexanone	8.36	43	3524	1.663 ug/L #	83
59) 1,2,3-Trichloropropane	11.48	75	11461	5.710 ug/L #	83

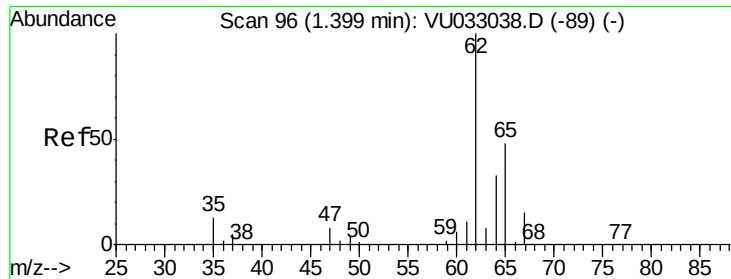
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 5.167 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033043.D

Acq: 25 Jun 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

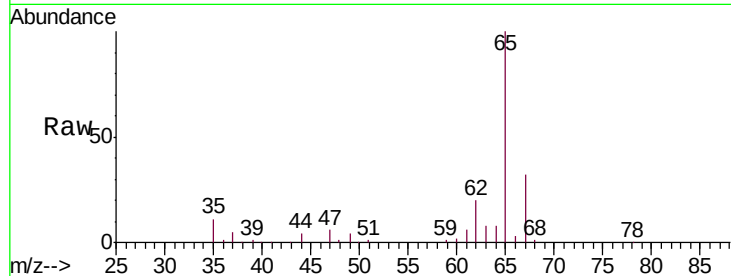
ETF37

Tgt Ion: 62 Resp: 9098

Ion Ratio Lower Upper

62 100

64 40.5 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

10000

8000

6000

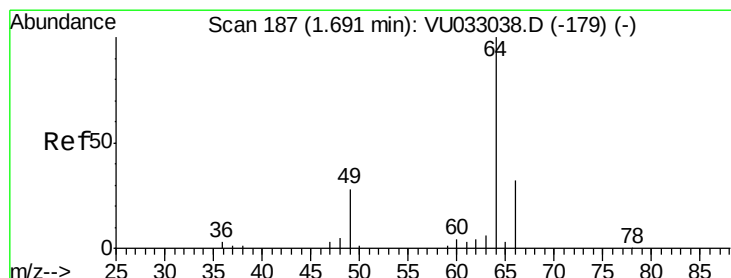
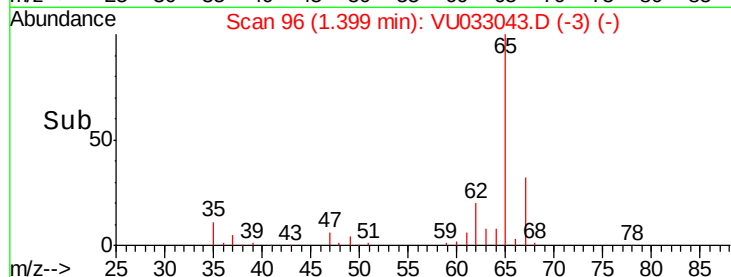
4000

2000

0

1.36 1.38 1.40 1.42 1.44

Time-->



#8

Chloroethane

Concen: 3.724 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.29 min

Lab File: VU033043.D

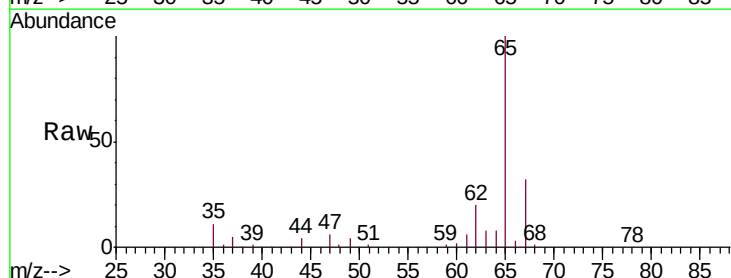
Acq: 25 Jun 2019 10:34

Tgt Ion: 64 Resp: 3774

Ion Ratio Lower Upper

64 100

66 32.0 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.40

4000

3000

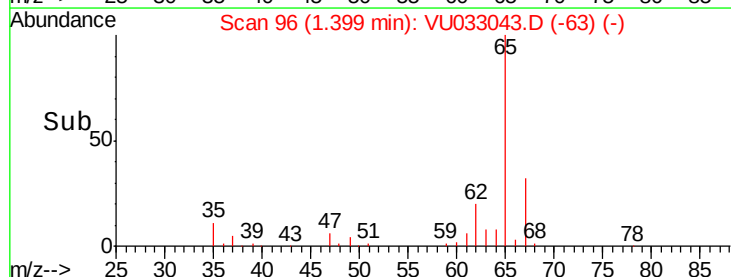
2000

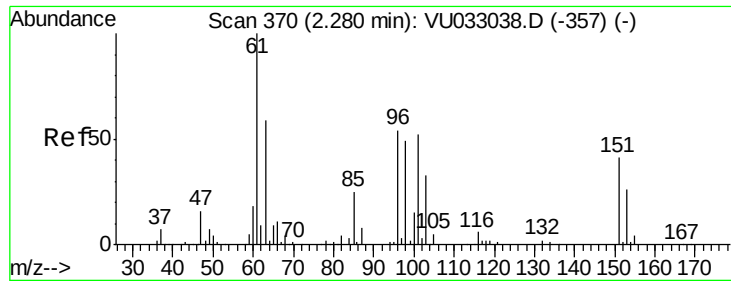
1000

0

1.36 1.38 1.40 1.42

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.569 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU033043.D

Acq: 25 Jun 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

ETF37

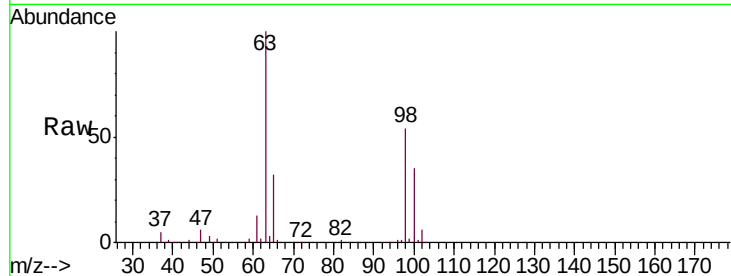
Tgt Ion: 101 Resp: 737

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

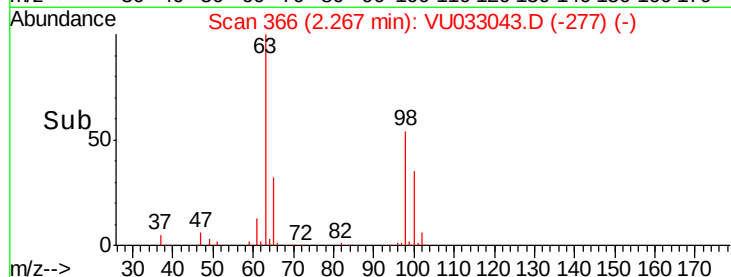
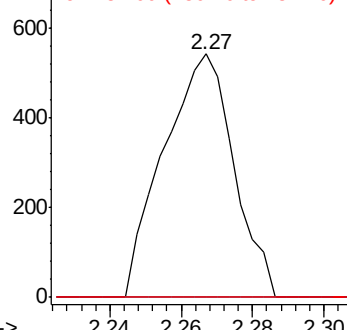
151 0.0 63.6 95.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.627 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU033043.D

Acq: 25 Jun 2019 10:34

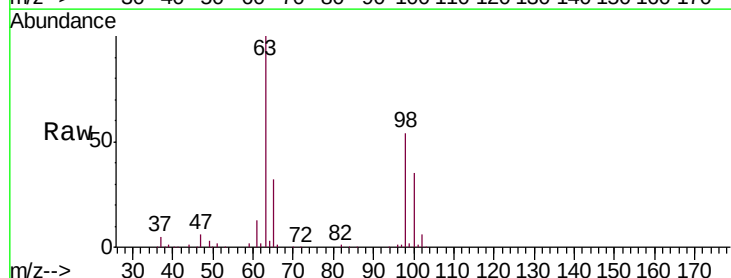
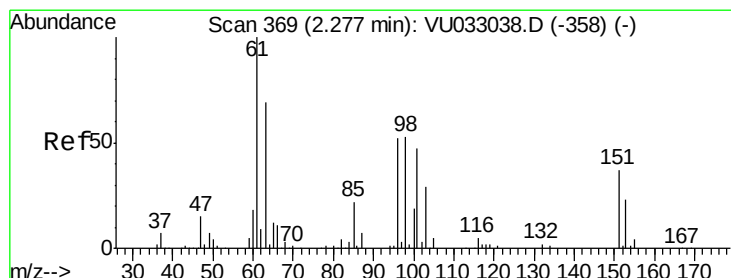
Tgt Ion: 96 Resp: 766

Ion Ratio Lower Upper

96 100

61 1687.1 131.0 243.4#

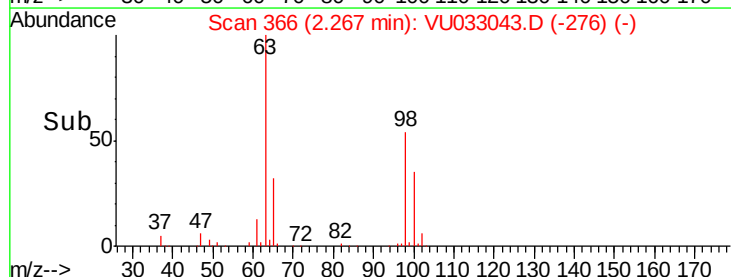
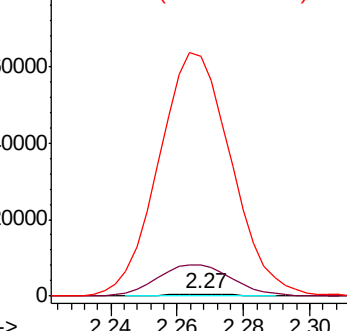
63 12860.7 101.0 187.6#

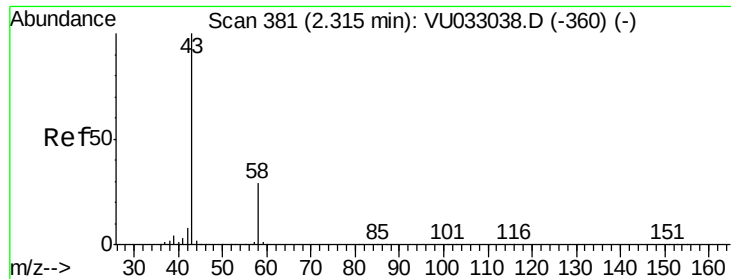


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.257 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033043.D

Acq: 25 Jun 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

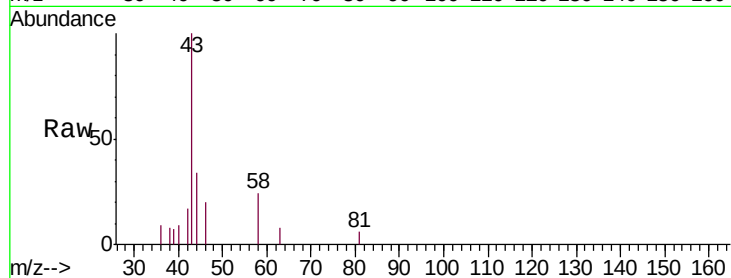
ETF37

Tgt Ion: 43 Resp: 3438

Ion Ratio Lower Upper

43 100

58 23.1 0.0 60.6

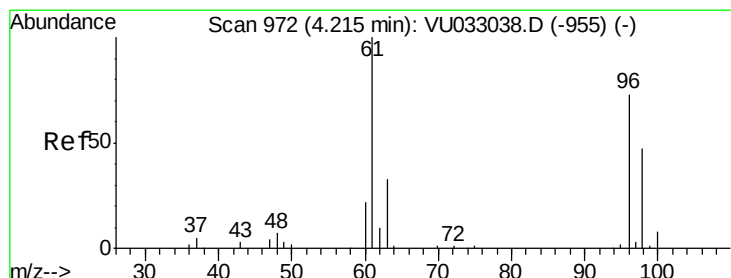
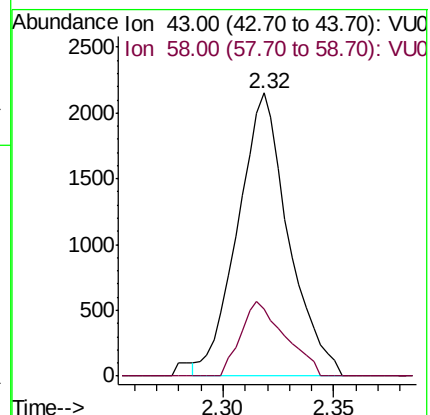
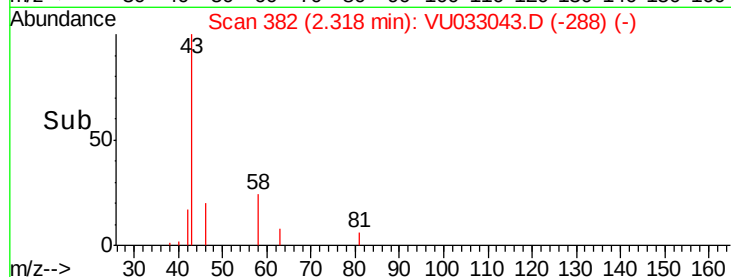


Abundance Ion 43.00 (42.70 to 43.70): VU033038.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU033038.D (-360) (-)

2.32

2.35



#20

cis-1,2-Dichloroethene

Concen: 4.816 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU033043.D

Acq: 25 Jun 2019 10:34

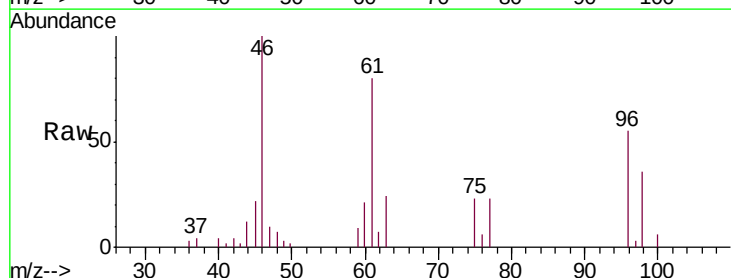
Tgt Ion: 96 Resp: 6947

Ion Ratio Lower Upper

96 100

61 145.2 92.4 171.6

68 0.0 0.0 0.0



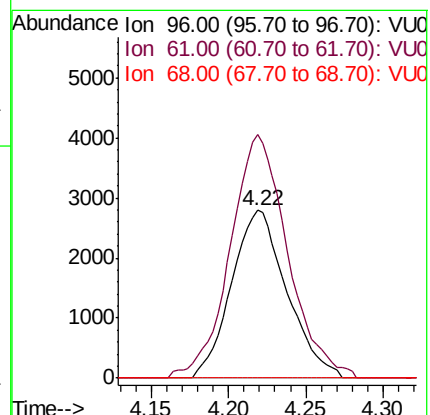
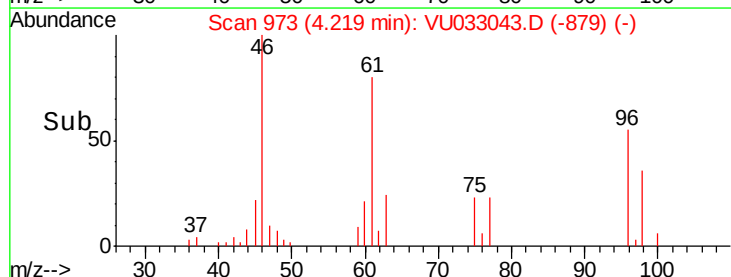
Abundance Ion 96.00 (95.70 to 96.70): VU033038.D (-955) (-)

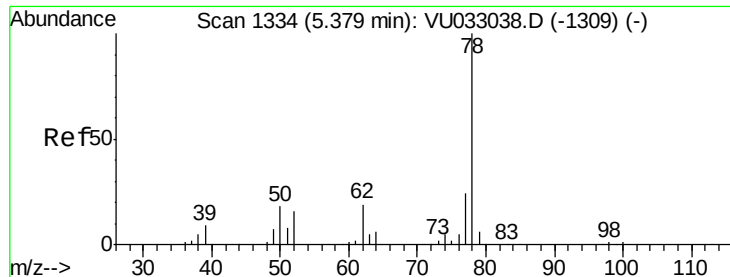
Ion 61.00 (60.70 to 61.70): VU033038.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU033038.D (-955) (-)

4.22

4.30





#33

Benzene

Concen: 0.409 ug/L

RT: 5.33 min Scan# 1319

Delta R.T. -0.05 min

Lab File: VU033043.D

Acq: 25 Jun 2019 10:34

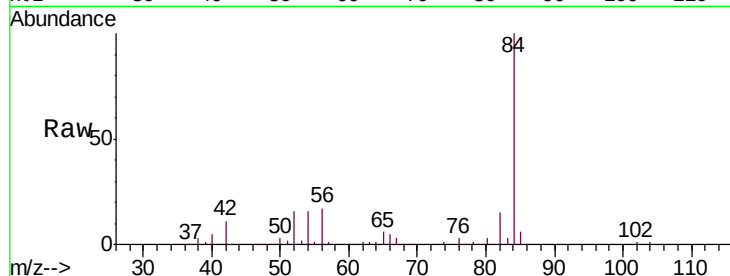
Instrument :

MSVOA_U

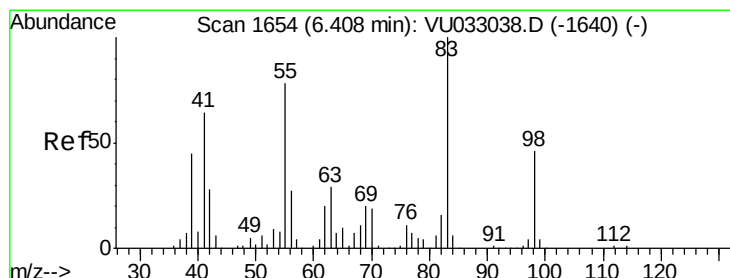
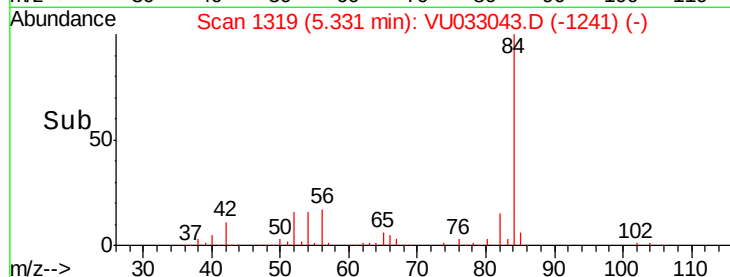
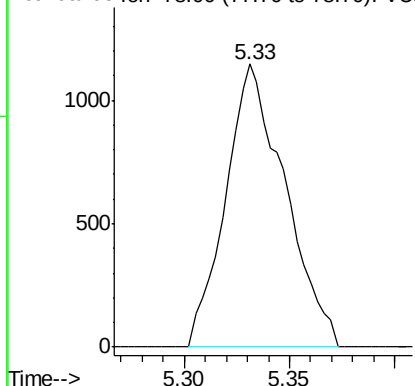
ClientSampleId :

ETF37

Tgt Ion: 78 Resp: 2244



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 8.489 ug/L

RT: 6.32 min Scan# 1627

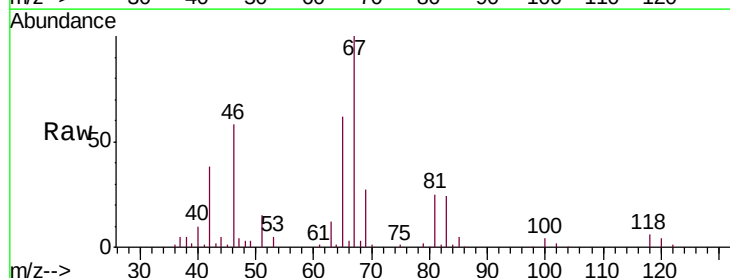
Delta R.T. -0.09 min

Lab File: VU033043.D

Acq: 25 Jun 2019 10:34

Tgt Ion: 83 Resp: 19222

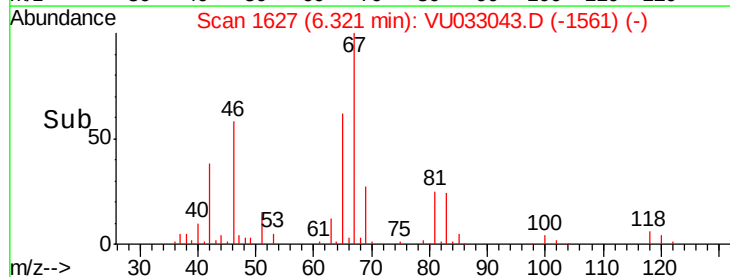
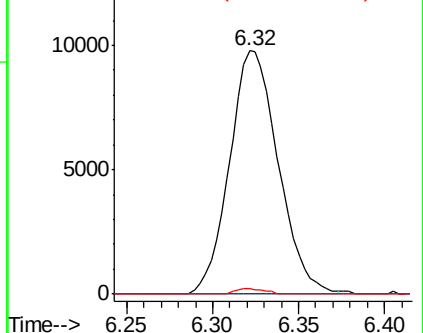
Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.6	94.0#
98	1.3	37.4	56.0#

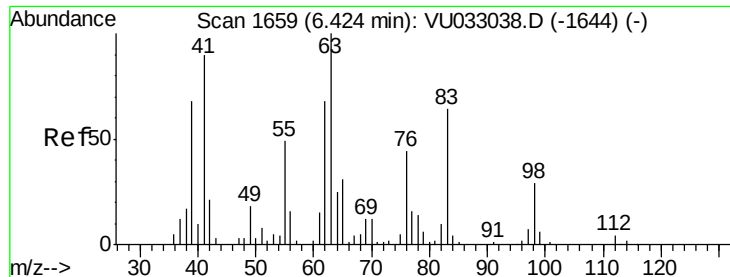


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

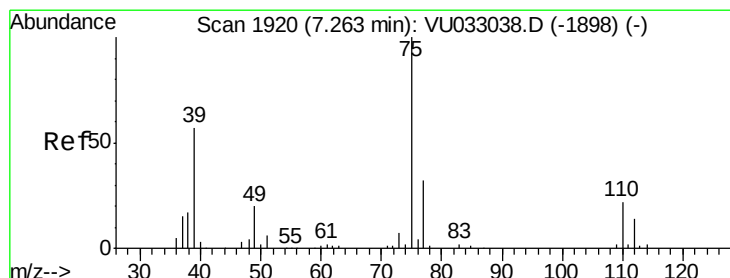
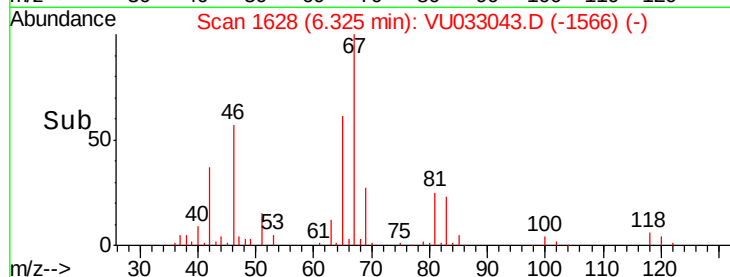
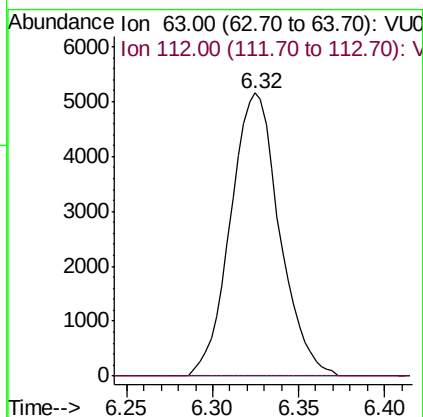
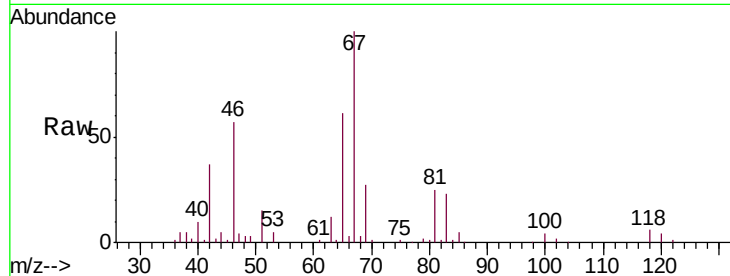




#37
 1,2-Dichloropropane
 Concen: 6.787 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU033043.D
 Acq: 25 Jun 2019 10:34

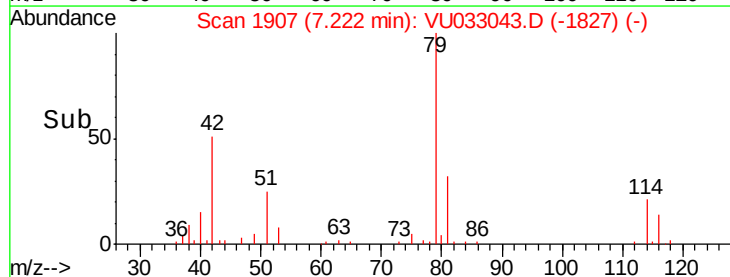
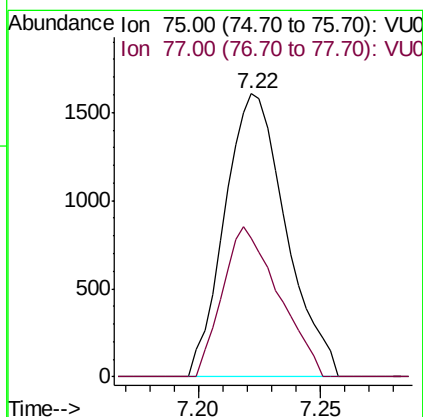
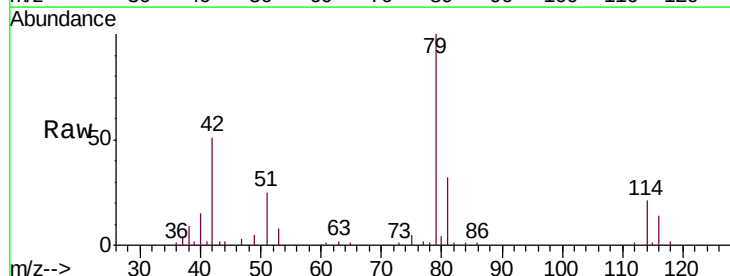
Instrument :
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 ETF37

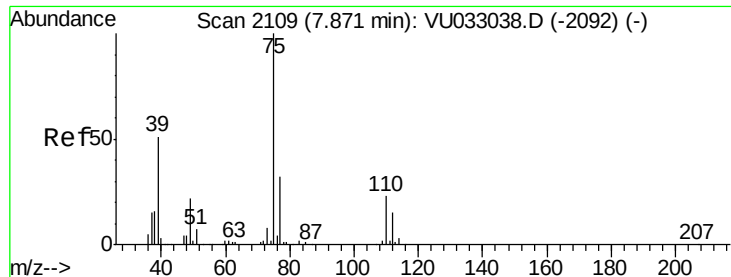
Tgt Ion: 63 Resp: 10208
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.194 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU033043.D
 Acq: 25 Jun 2019 10:34

Tgt Ion: 75 Resp: 2798
 Ion Ratio Lower Upper
 75 100
 77 49.1 21.9 40.7#

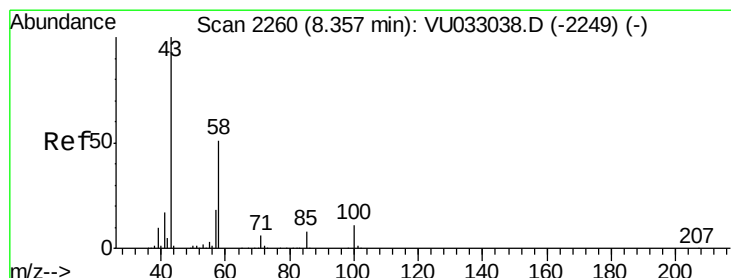
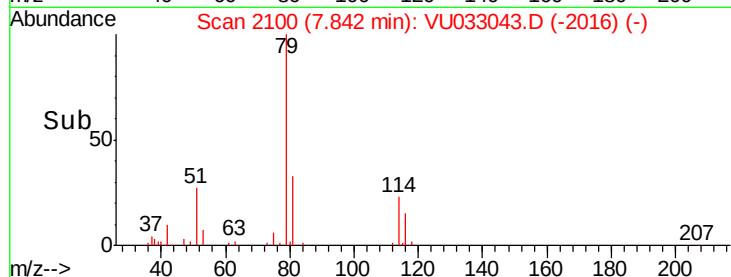
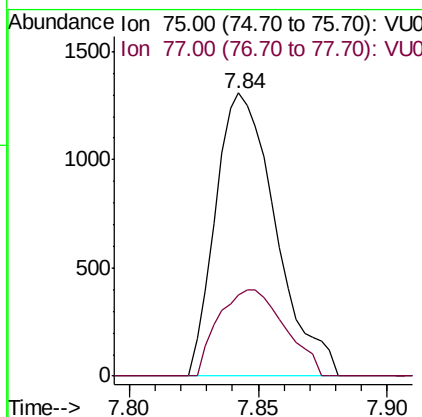
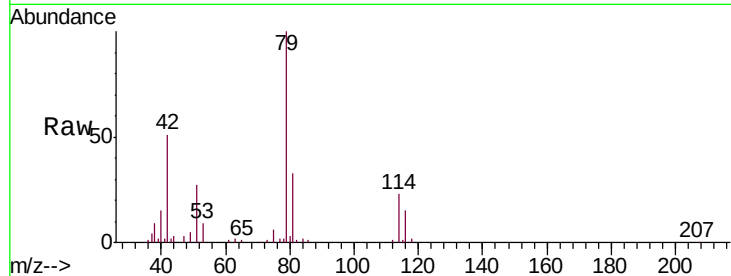




#44
 trans-1,3-Dichloropropene
 Concen: 0.965 ug/L
 RT: 7.84 min Scan# 2100
 Delta R.T. -0.03 min
 Lab File: VU033043.D
 Acq: 25 Jun 2019 10:34

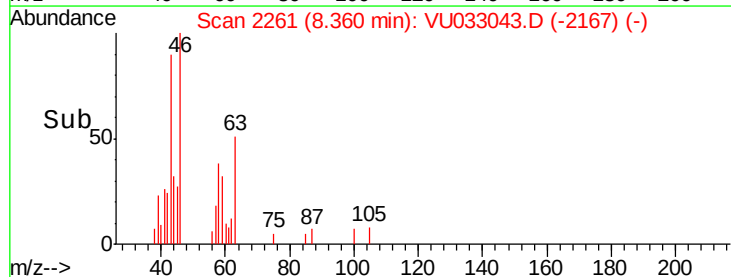
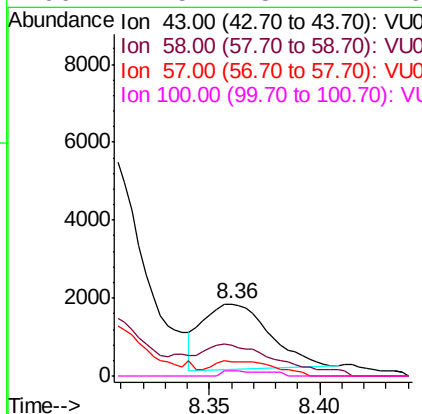
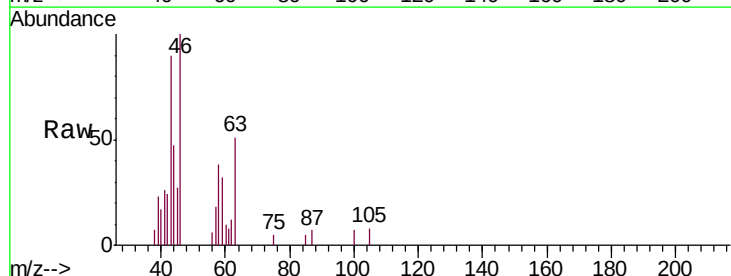
Instrument :
 MSVOA_U
 ClientSampled :
 ETF37

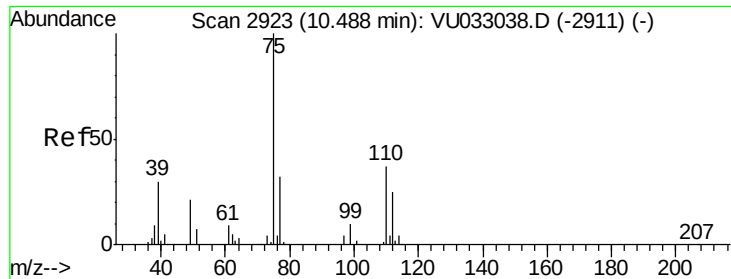
Tgt Ion: 75 Resp: 2123
 Ion Ratio Lower Upper
 75 100
 77 28.7 21.8 40.4



#48
 2-Hexanone
 Concen: 1.663 ug/L
 RT: 8.36 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: VU033043.D
 Acq: 25 Jun 2019 10:34

Tgt Ion: 43 Resp: 3524
 Ion Ratio Lower Upper
 43 100
 58 41.0 40.2 60.2
 57 4.8 14.2 21.4#
 100 4.5 8.4 12.6#





#59

1,2,3-Trichloropropane

Concen: 5.710 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU033043.D

Acq: 25 Jun 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

ETF37

Tgt Ion: 75 Resp: 11461

Ion Ratio Lower Upper

75 100

77 41.5 25.5 38.3#

