

Data File : VU033004.D
Acq On : 24 Jun 2019 13:59
Operator : JC/SP
Sample : K3478-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF19

Quant Time: Jun 25 05:27:41 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	196371	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	193717	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	92319	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	65324	48.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.36%
7) Chloroethane-d5	1.68	69	54857	51.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.50%
11) 1,1-Dichloroethene-d2	2.27	63	102219	37.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.62%
21) 2-Butanone-d5	4.17	46	120379	107.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.77%
24) Chloroform-d	4.64	84	132783	50.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.30	65	93488	53.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.60%
32) Benzene-d6	5.33	84	262914	52.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.12%
36) 1,2-Dichloropropane-d6	6.32	67	83670	52.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.02%
41) Toluene-d8	7.56	98	236580	50.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.06%
43) trans-1,3-Dichloropropene-	7.85	79	40154	47.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.98%
47) 2-Hexanone-d5	8.31	63	73996	98.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.51%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	120653	48.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.04%
64) 1,2-Dichlorobenzene-d4	11.85	152	91396	51.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.32%

Target Compounds

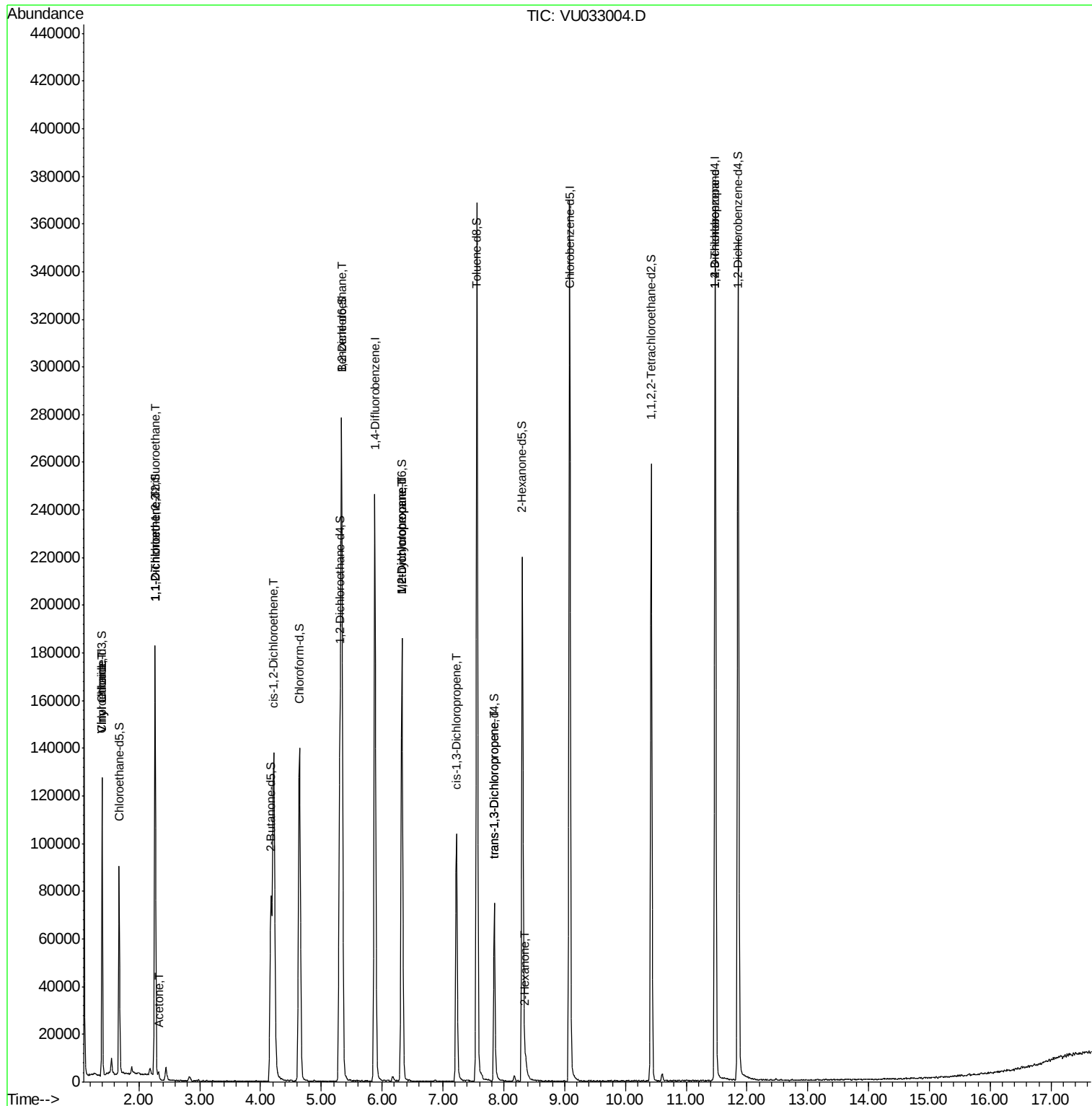
						Qvalue
5) Vinyl chloride	1.40	62	8793	4.931	ug/L	84
8) Chloroethane	1.40	64	3718	3.622	ug/L	88
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	860	0.655	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	1007	0.814	ug/L #	1
13) Acetone	2.31	43	2244	1.454	ug/L	87
20) cis-1,2-Dichloroethene	4.22	96	69685	47.701	ug/L	99
27) 1,2-Dichloroethane	5.33	62	1759	0.812	ug/L #	77
35) Methylcyclohexane	6.32	83	18922	8.210	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	10296	6.726	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2911	1.221	ug/L #	58
44) trans-1,3-Dichloropropene	7.85	75	1985	0.886	ug/L #	76
48) 2-Hexanone	8.36	43	3440	1.595	ug/L #	64
59) 1,2,3-Trichloropropane	11.48	75	11985	5.867	ug/L	90

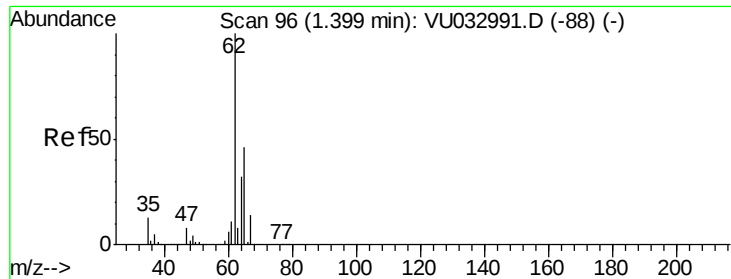
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU033004.D
Acq On : 24 Jun 2019 13:59
Operator : JC/SP
Sample : K3478-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF19

Quant Time: Jun 25 05:27:41 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





#5

Vinyl chloride

Concen: 4.931 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU033004.D

Acq: 24 Jun 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

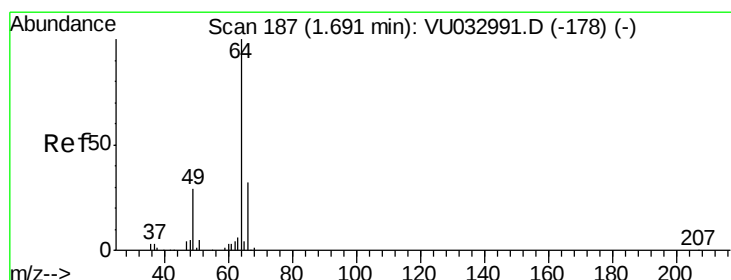
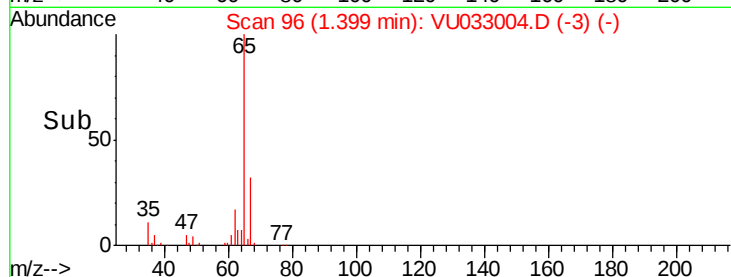
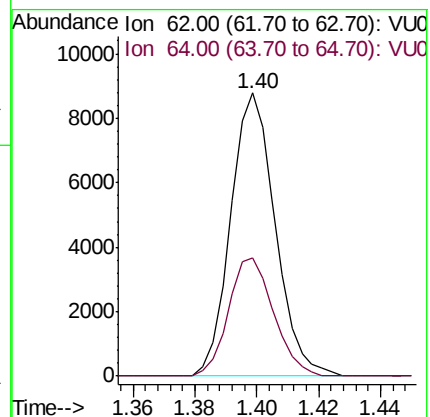
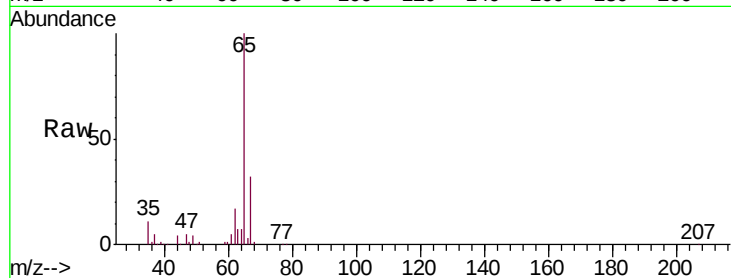
ETF19

Tgt Ion: 62 Resp: 8793

Ion Ratio Lower Upper

62 100

64 41.8 23.0 42.6



#8

Chloroethane

Concen: 3.622 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.29 min

Lab File: VU033004.D

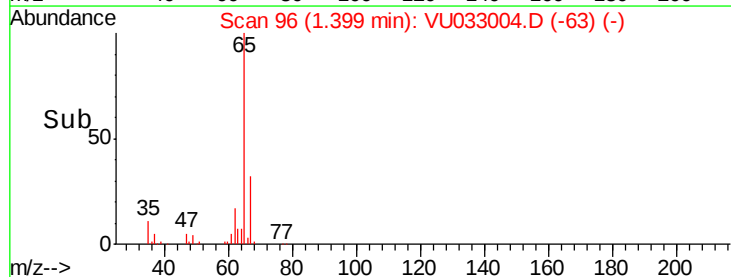
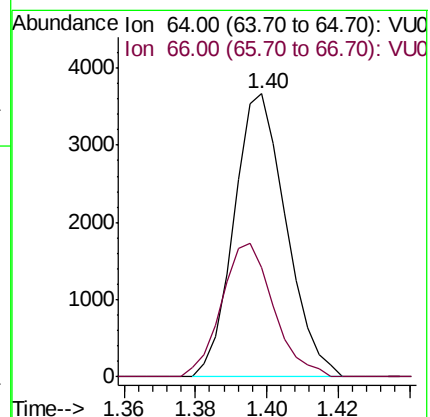
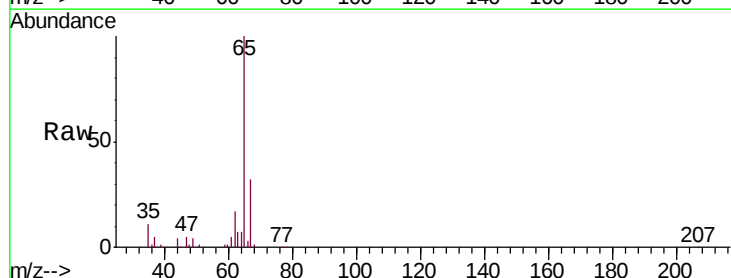
Acq: 24 Jun 2019 13:59

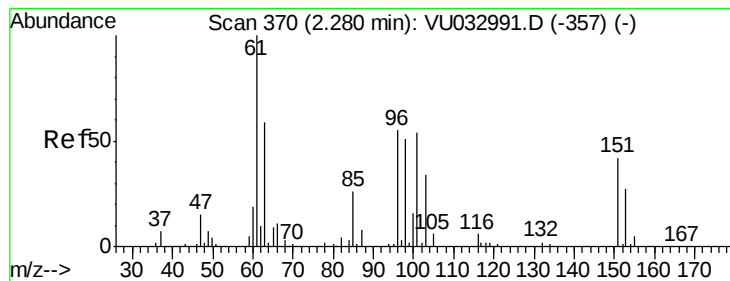
Tgt Ion: 64 Resp: 3718

Ion Ratio Lower Upper

64 100

66 38.7 22.5 41.7





#10

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

Concen: 0.655 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU033004.D

Acq: 24 Jun 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

ETF19

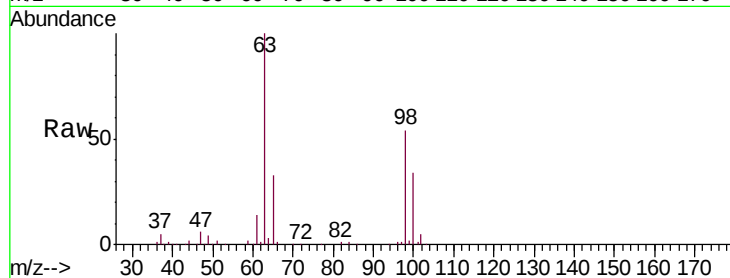
Tgt Ion: 101 Resp: 860

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

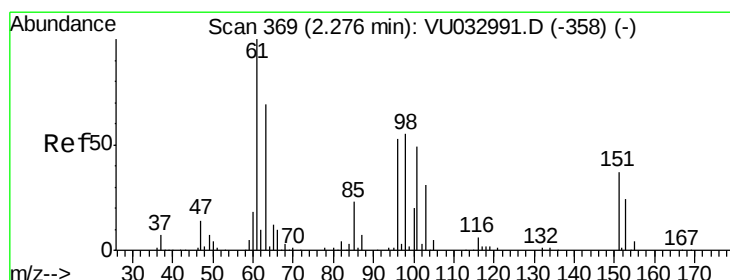
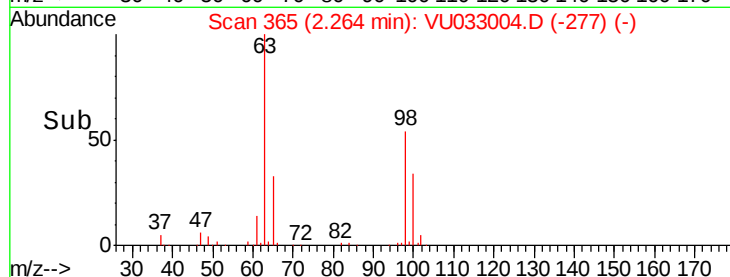
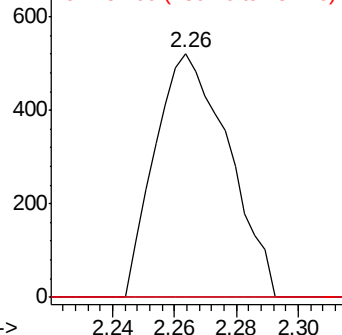
151 0.0 63.6 95.4#



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: 0.814 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU033004.D

Acq: 24 Jun 2019 13:59

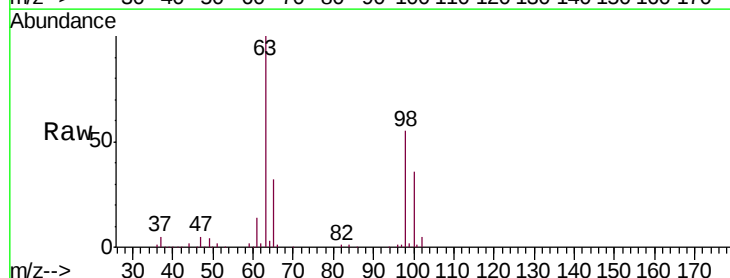
Tgt Ion: 96 Resp: 1007

Ion Ratio Lower Upper

96 100

61 1533.6 131.0 243.4#

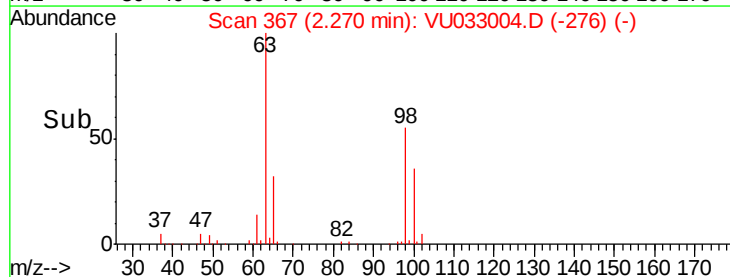
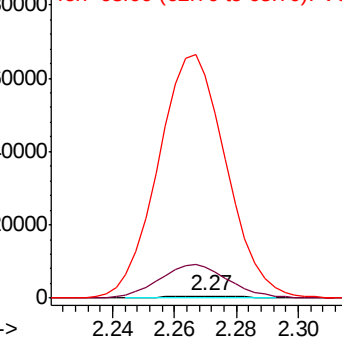
63 11060.4 101.0 187.6#

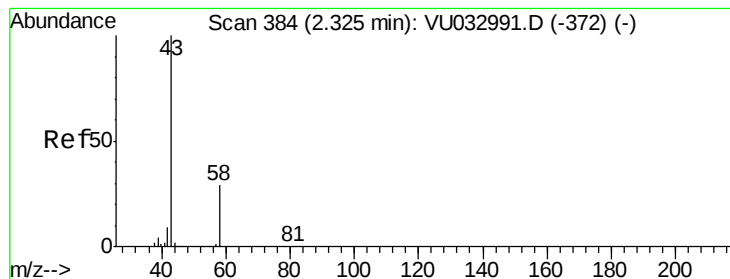


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.454 ug/L

RT: 2.31 min Scan# 381

Delta R.T. -0.01 min

Lab File: VU033004.D

Acq: 24 Jun 2019 13:59

Instrument :

MSVOA_U

ClientSampled :

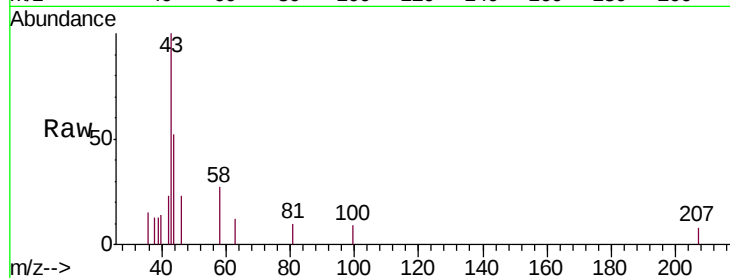
ETF19

Tgt Ion: 43 Resp: 2244

Ion Ratio Lower Upper

43 100

58 23.3 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032991.D (-372) (-)

Ion 58.00 (57.70 to 58.70): VU032991.D (-372) (-)

2.31

1500

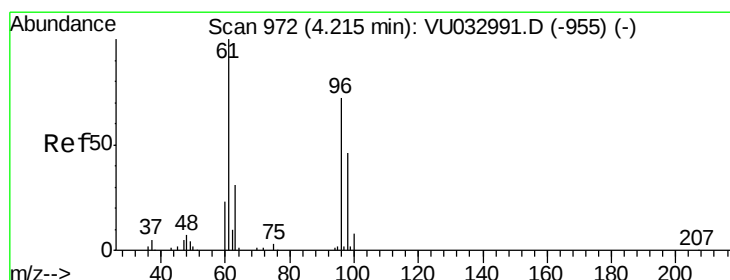
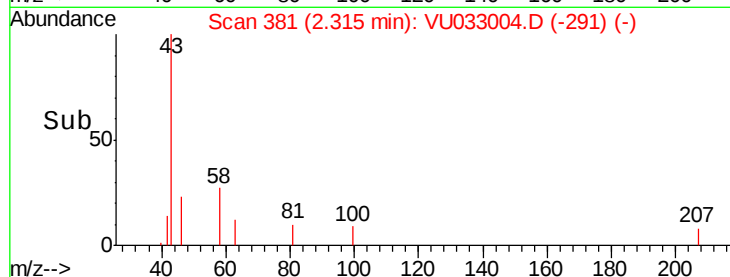
1000

500

0

Time-->

2.30 2.35



#20

cis-1,2-Dichloroethene

Concen: 47.701 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU033004.D

Acq: 24 Jun 2019 13:59

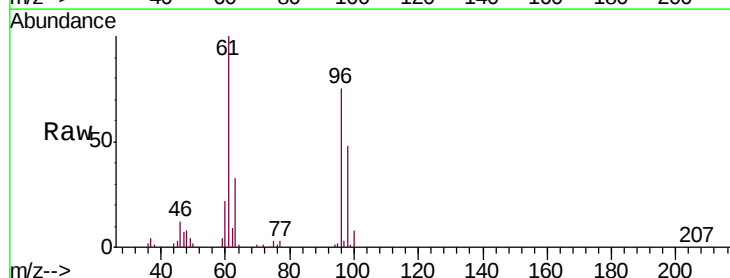
Tgt Ion: 96 Resp: 69685

Ion Ratio Lower Upper

96 100

61 133.6 92.4 171.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032991.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU032991.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU032991.D (-955) (-)

4.22

50000

40000

30000

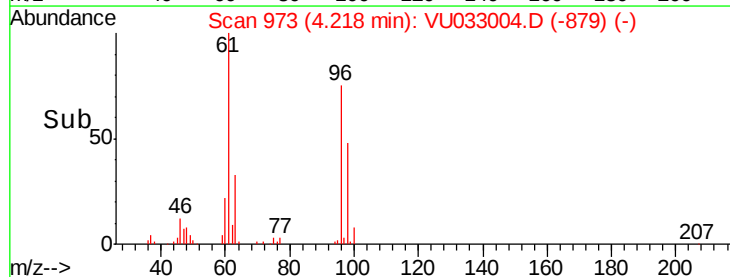
20000

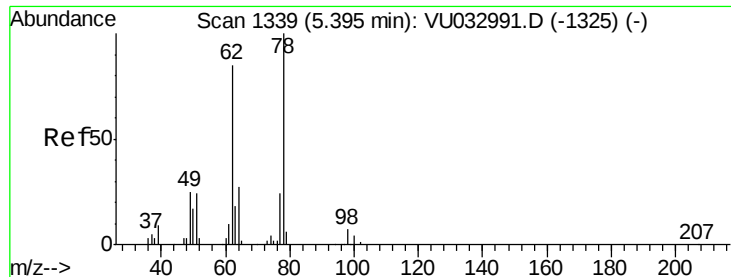
10000

0

Time-->

4.10 4.20 4.30





#27

1,2-Dichloroethane

Concen: 0.812 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU033004.D

Acq: 24 Jun 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

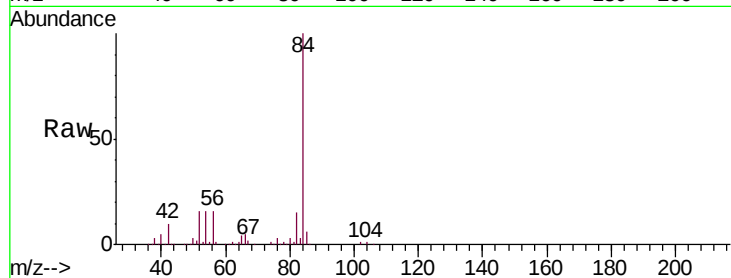
ETF19

Tgt Ion: 62 Resp: 1759

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU033004.D (-1246) (-)

Ion 98.00 (97.70 to 98.70): VU033004.D (-1246) (-)

5.33

800

600

400

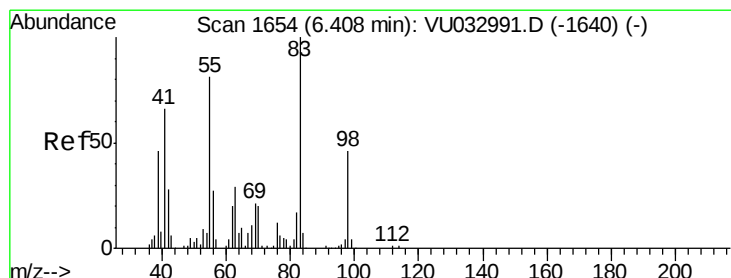
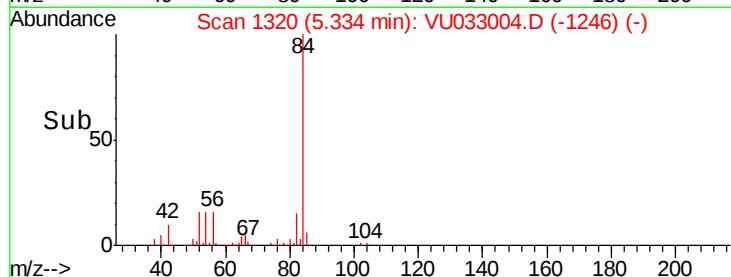
200

0

5.30

5.35

Time-->



#35

Methylcyclohexane

Concen: 8.210 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU033004.D

Acq: 24 Jun 2019 13:59

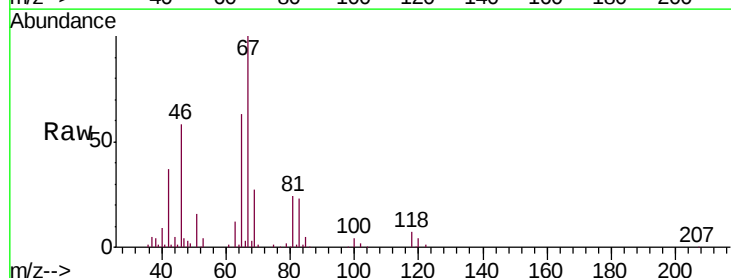
Tgt Ion: 83 Resp: 18922

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

98 1.2 37.4 56.0#



Abundance Ion 83.00 (82.70 to 83.70): VU033004.D (-1561) (-)

Ion 55.00 (54.70 to 55.70): VU033004.D (-1561) (-)

Ion 98.00 (97.70 to 98.70): VU033004.D (-1561) (-)

6.32

10000

5000

0

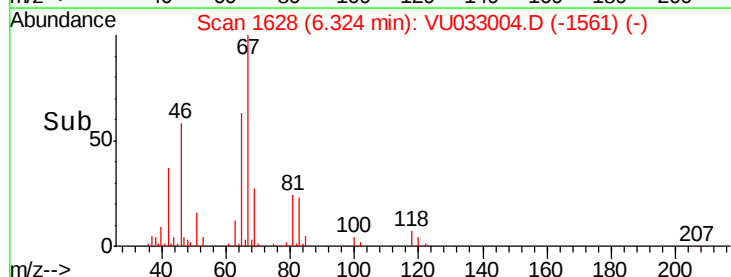
6.25

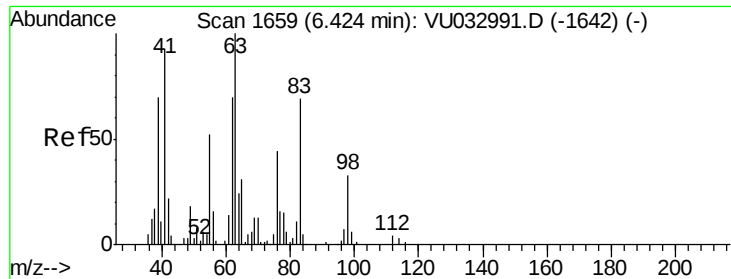
6.30

6.35

6.40

Time-->

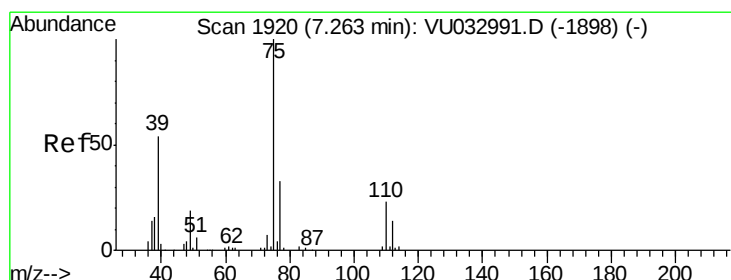
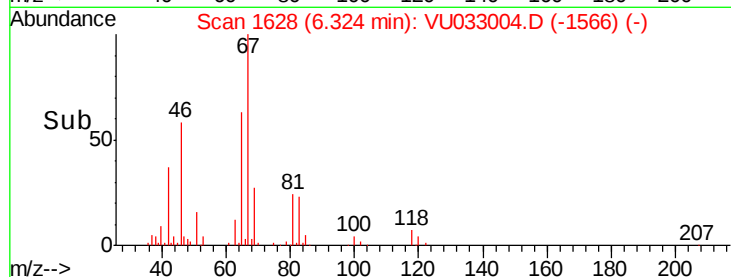
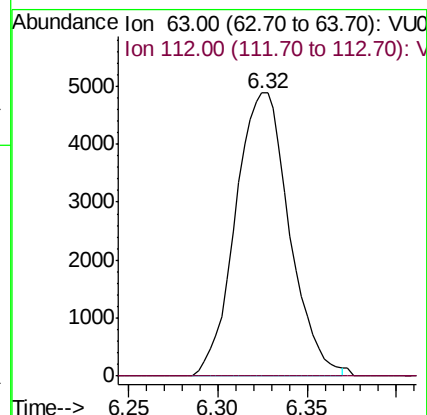
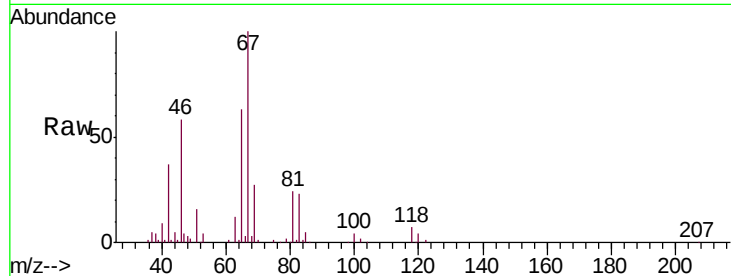




#37
 1,2-Dichloropropane
 Concen: 6.726 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU033004.D
 Acq: 24 Jun 2019 13:59

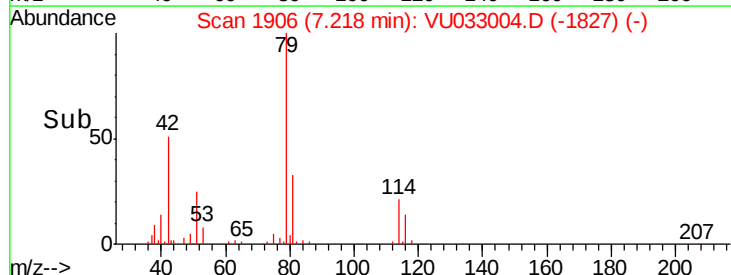
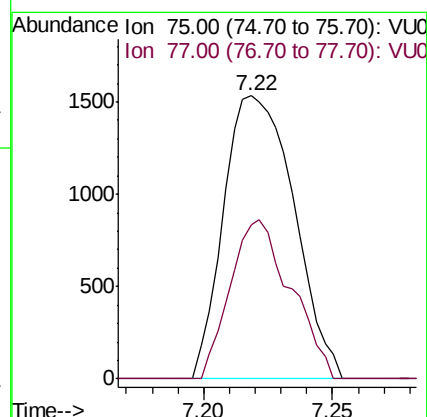
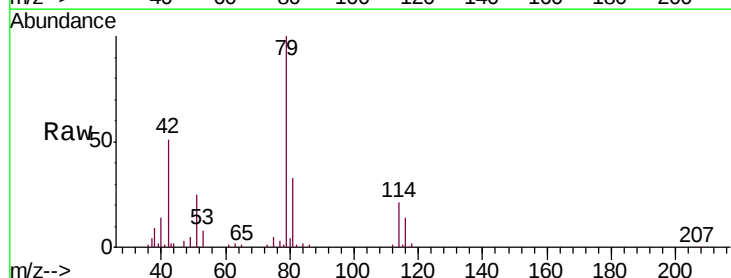
Instrument :
 MSVOA_U
 ClientSampled :
 ETF19

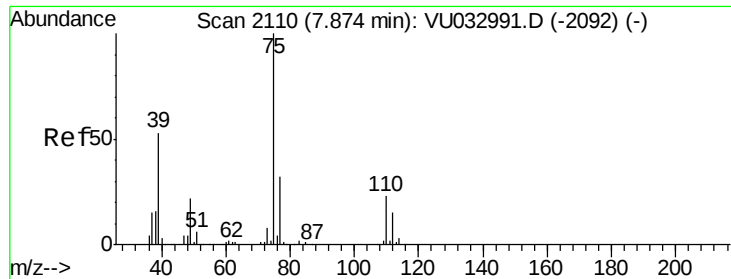
Tgt Ion: 63 Resp: 10296
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.221 ug/L
 RT: 7.22 min Scan# 1906
 Delta R.T. -0.05 min
 Lab File: VU033004.D
 Acq: 24 Jun 2019 13:59

Tgt Ion: 75 Resp: 2911
 Ion Ratio Lower Upper
 75 100
 77 54.5 21.9 40.7#

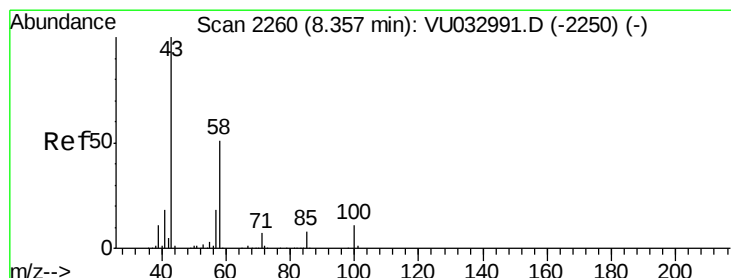
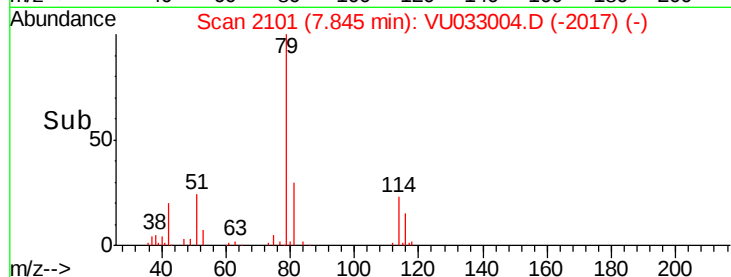
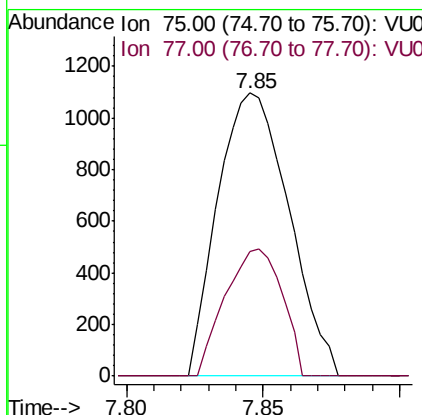
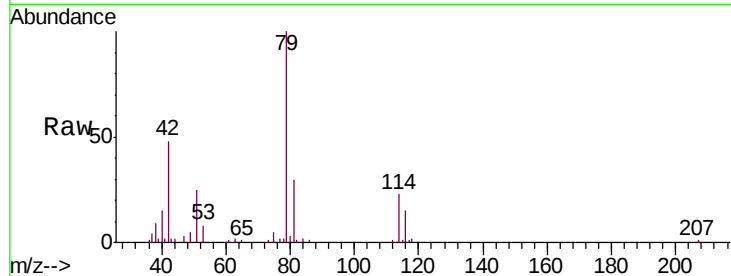




#44
 trans-1,3-Dichloropropene
 Concen: 0.886 ug/L
 RT: 7.85 min Scan# 2101
 Delta R.T. -0.03 min
 Lab File: VU033004.D
 Acq: 24 Jun 2019 13:59

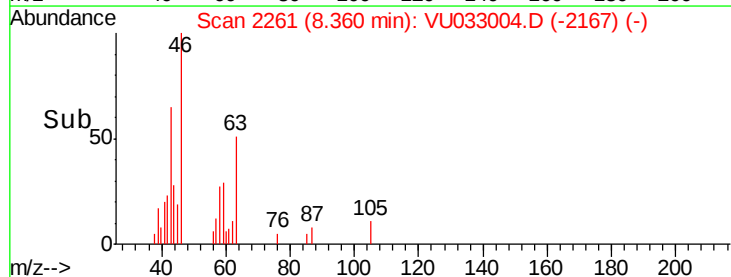
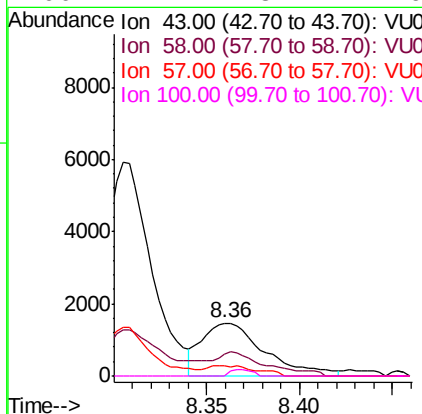
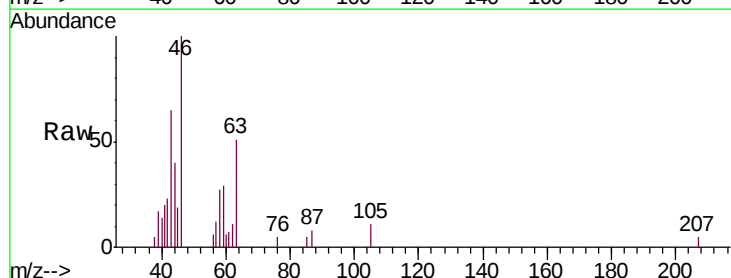
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF19

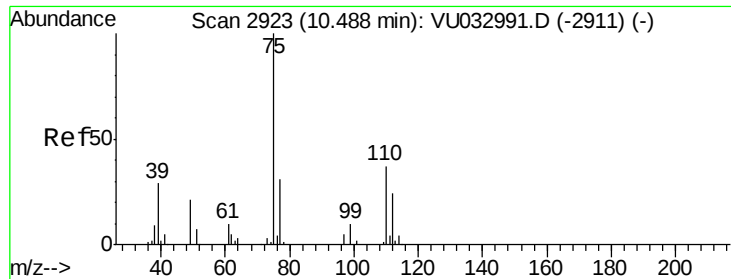
Tgt Ion: 75 Resp: 1985
 Ion Ratio Lower Upper
 75 100
 77 44.1 21.8 40.4#



#48
 2-Hexanone
 Concen: 1.595 ug/L
 RT: 8.36 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: VU033004.D
 Acq: 24 Jun 2019 13:59

Tgt Ion: 43 Resp: 3440
 Ion Ratio Lower Upper
 43 100
 58 22.3 40.2 60.2#
 57 2.1 14.2 21.4#
 100 4.1 8.4 12.6#





#59

1,2,3-Trichloropropane

Concen: 5.867 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU033004.D

Acq: 24 Jun 2019 13:59

Instrument :

MSVOA_U

ClientSampleId :

ETF19

Tgt Ion: 75 Resp: 11985

Ion Ratio Lower Upper

75 100

77 37.5 25.5 38.3

