

Data File : VU033018.D
Acq On : 24 Jun 2019 20:14
Operator : JC/SP
Sample : K3463-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF03

Quant Time: Jun 25 06:58:57 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	196385	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	191422	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91561	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62320	46.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.86%
7) Chloroethane-d5	1.68	69	53178	49.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.36%
11) 1,1-Dichloroethene-d2	2.27	63	98132	36.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.58%
21) 2-Butanone-d5	4.17	46	122603	109.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.75%
24) Chloroform-d	4.64	84	130940	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.38%
26) 1,2-Dichloroethane-d4	5.30	65	91972	52.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.84%
32) Benzene-d6	5.33	84	253751	50.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.70%
36) 1,2-Dichloropropane-d6	6.32	67	80730	50.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.58%
41) Toluene-d8	7.56	98	230621	49.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.70%
43) trans-1,3-Dichloropropene-	7.85	79	38816	46.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.88%
47) 2-Hexanone-d5	8.31	63	73138	98.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.54%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	119424	48.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	91744	51.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.56%

Target Compounds

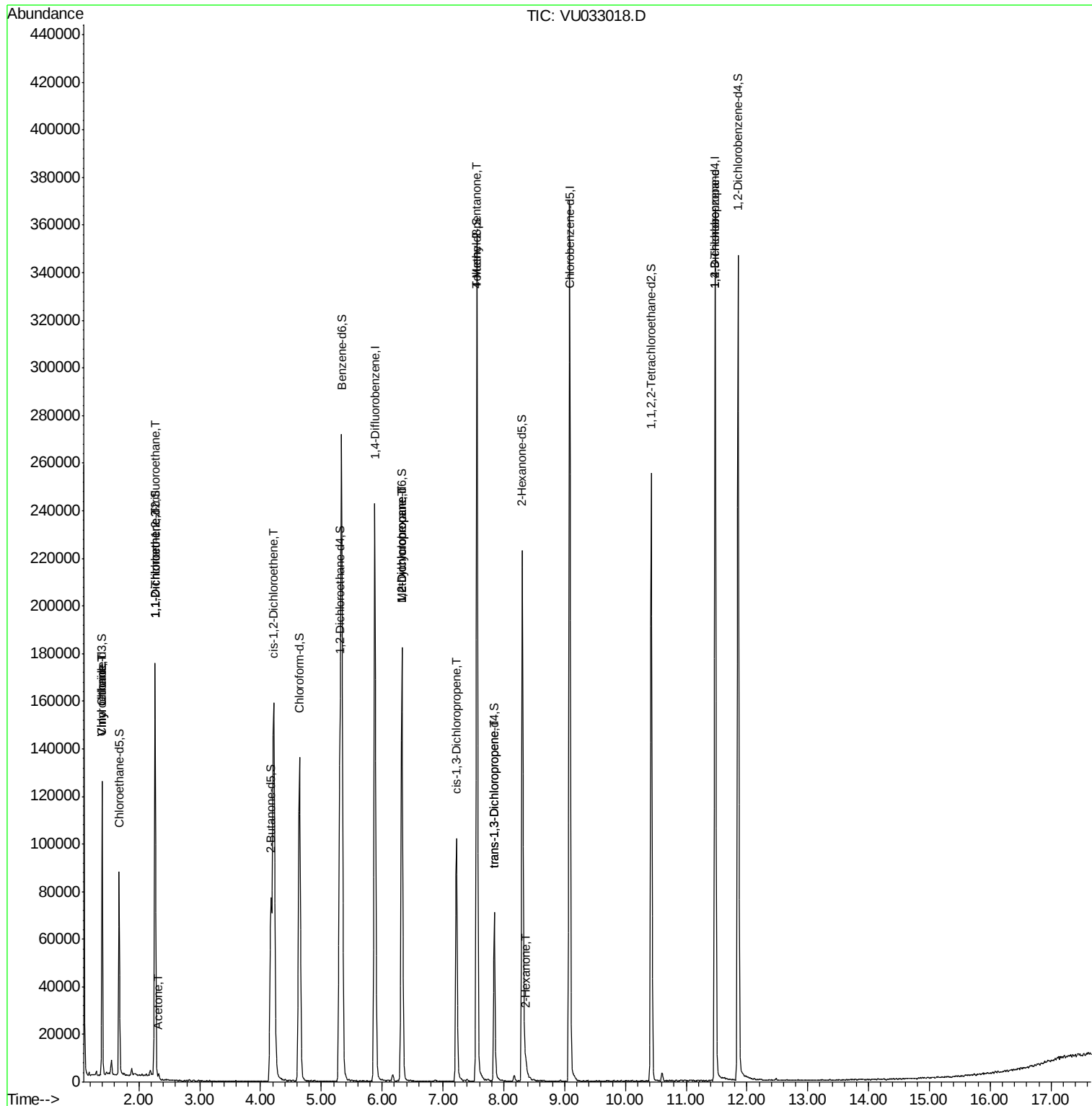
						Qvalue
5) Vinyl chloride	1.40	62	15575	8.734	ug/L	94
8) Chloroethane	1.40	64	5779	5.630	ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	787	0.600	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	790	0.639	ug/L #	1
13) Acetone	2.32	43	1057	0.685	ug/L	61
20) cis-1,2-Dichloroethene	4.22	96	82237	56.289	ug/L	93
35) Methylcyclohexane	6.32	83	18896	8.297	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	10149	6.709	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2764	1.173	ug/L #	80
40) 4-Methyl-2-pentanone	7.56	43	1235	0.511	ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	2032	0.918	ug/L #	83
48) 2-Hexanone	8.36	43	3973	1.865	ug/L #	75
59) 1,2,3-Trichloropropane	11.48	75	11602	5.747	ug/L	89

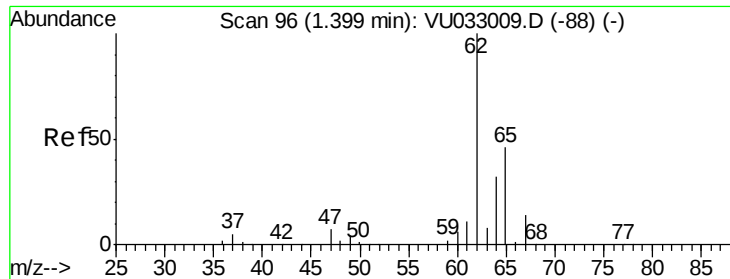
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU033018.D
Acq On : 24 Jun 2019 20:14
Operator : JC/SP
Sample : K3463-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF03

Quant Time: Jun 25 06:58:57 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





#5

Vinyl chloride

Concen: 8.734 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU033018.D

Acq: 24 Jun 2019 20:14

Instrument :

MSVOA_U

ClientSampleId :

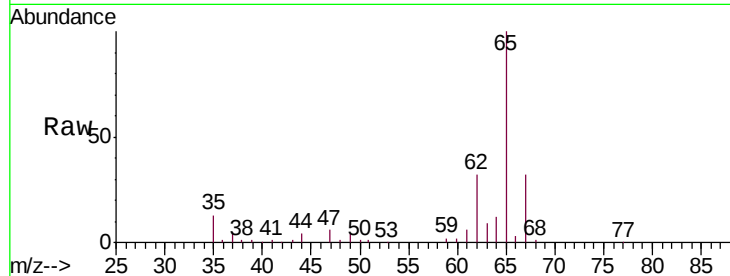
ETF03

Tgt Ion: 62 Resp: 15575

Ion Ratio Lower Upper

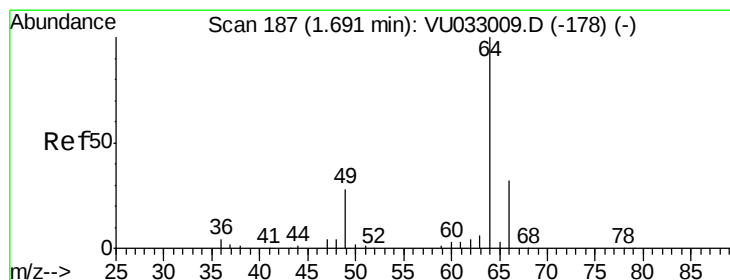
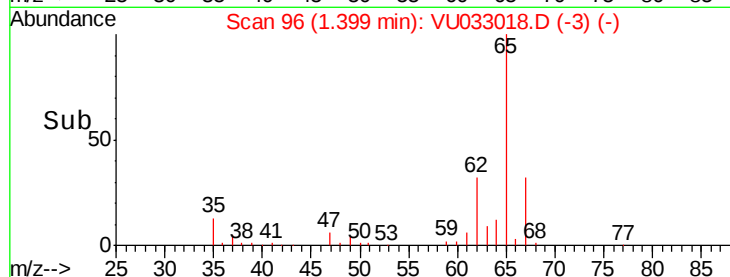
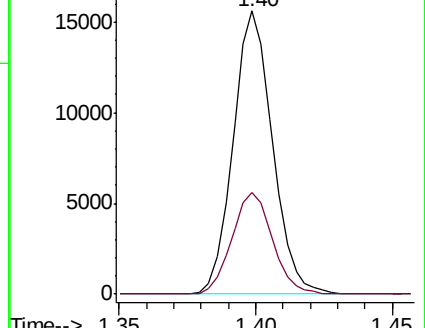
62 100

64 36.0 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU033009.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU033009.D (-88) (-)



#8

Chloroethane

Concen: 5.630 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.29 min

Lab File: VU033018.D

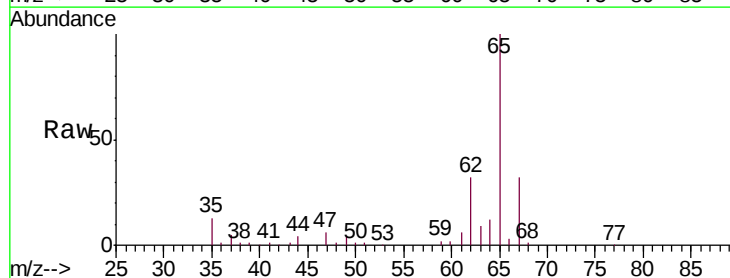
Acq: 24 Jun 2019 20:14

Tgt Ion: 64 Resp: 5779

Ion Ratio Lower Upper

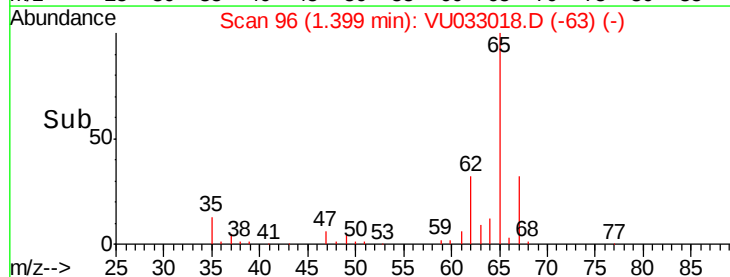
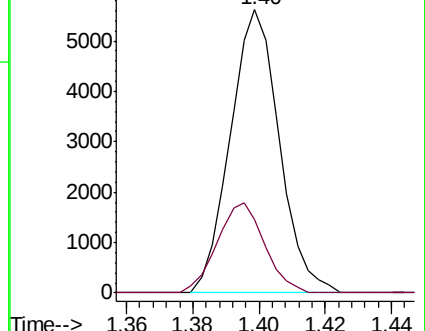
64 100

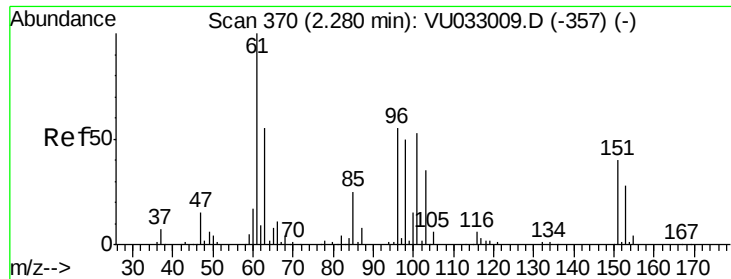
66 25.8 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU033009.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU033009.D (-178) (-)





#10

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

Concen: 0.600 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU033018.D

Acq: 24 Jun 2019 20:14

Instrument :

MSVOA_U

ClientSampleId :

ETF03

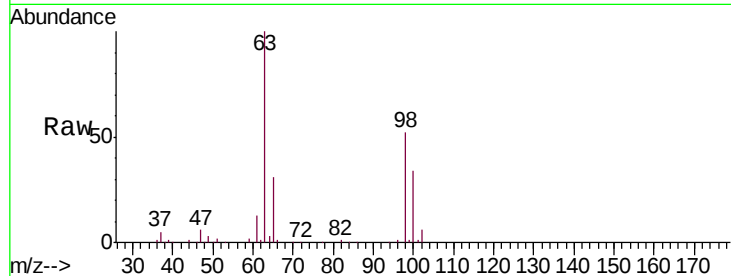
Tgt Ion: 101 Resp: 787

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

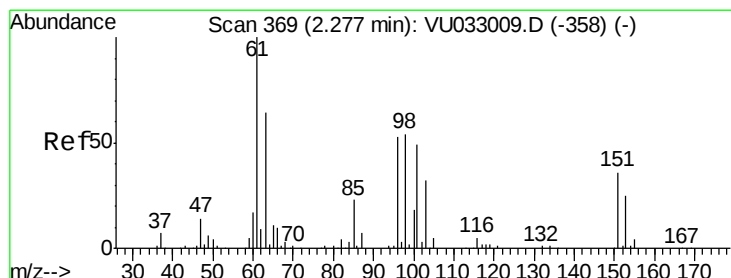
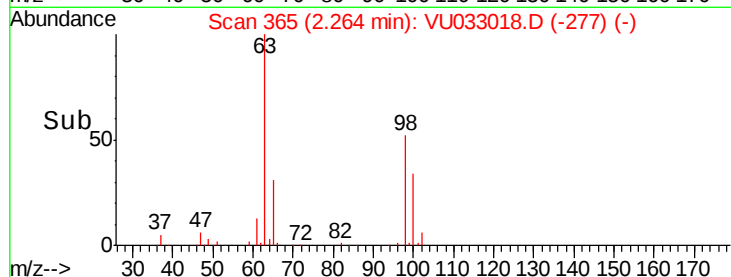
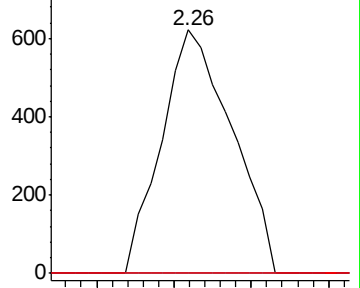
151 0.0 63.6 95.4#



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: 0.639 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU033018.D

Acq: 24 Jun 2019 20:14

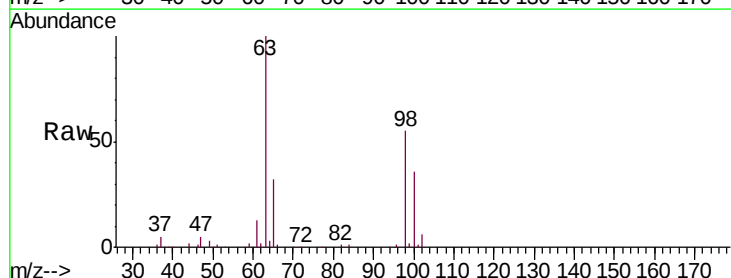
Tgt Ion: 96 Resp: 790

Ion Ratio Lower Upper

96 100

61 1394.6 131.0 243.4#

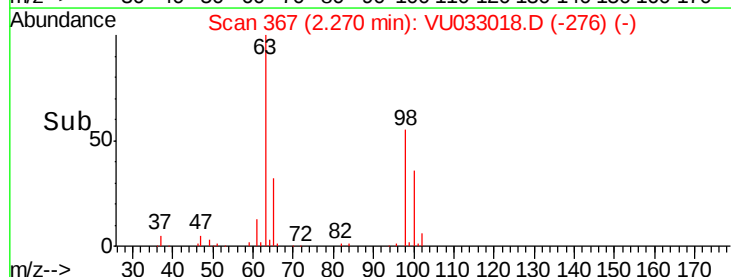
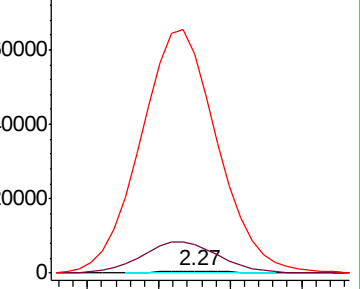
63 10688.4 101.0 187.6#

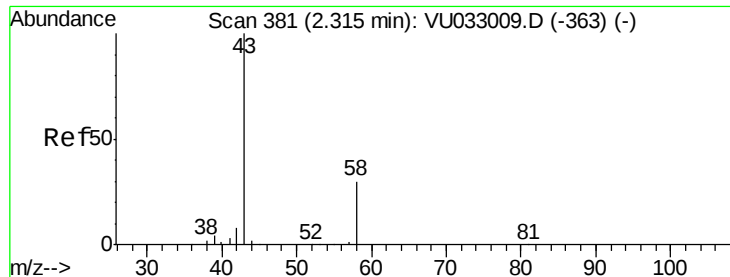


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.685 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033018.D

Acq: 24 Jun 2019 20:14

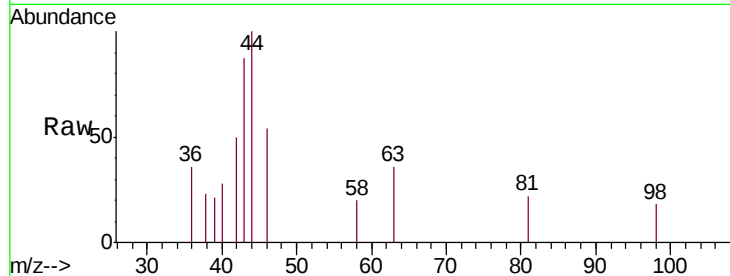
Instrument :
MSVOA_U
ClientSampled :
ETF03

Tgt Ion: 43 Resp: 1057

Ion Ratio Lower Upper

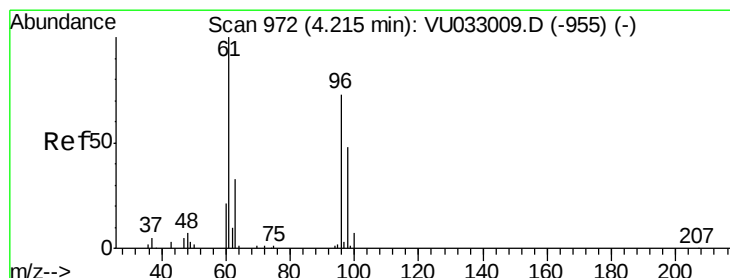
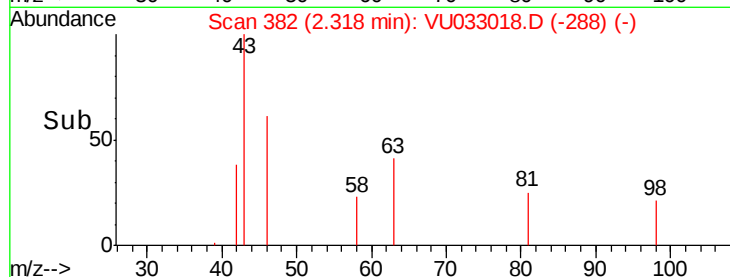
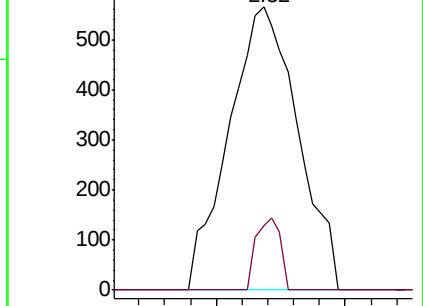
43 100

58 9.1 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU033009.D (-363) (-)

Ion 58.00 (57.70 to 58.70): VU033009.D (-363) (-)



#20

cis-1,2-Dichloroethene

Concen: 56.289 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU033018.D

Acq: 24 Jun 2019 20:14

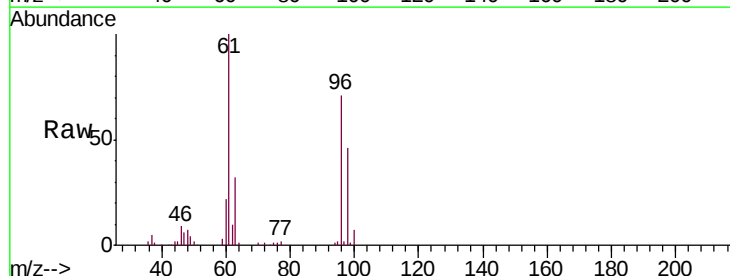
Tgt Ion: 96 Resp: 82237

Ion Ratio Lower Upper

96 100

61 140.0 92.4 171.6

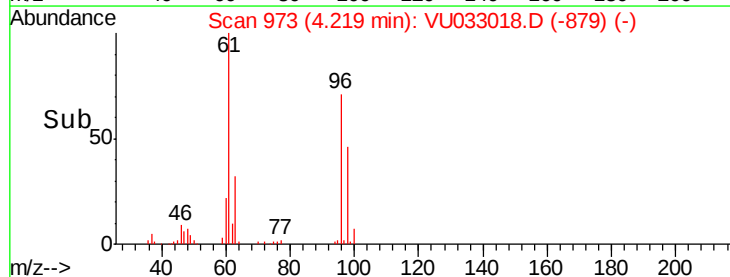
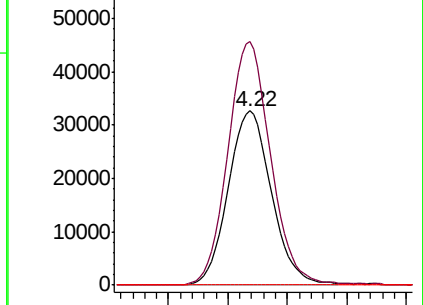
68 0.0 0.0 0.0

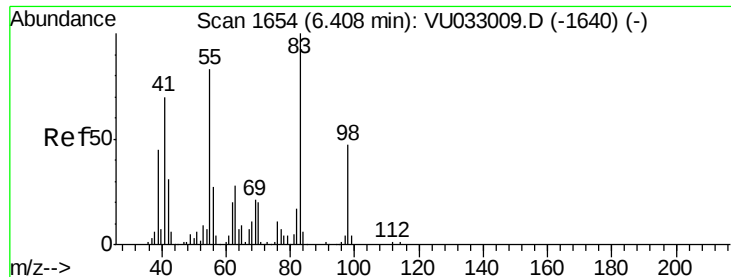


Abundance Ion 96.00 (95.70 to 96.70): VU033009.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU033009.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU033009.D (-955) (-)

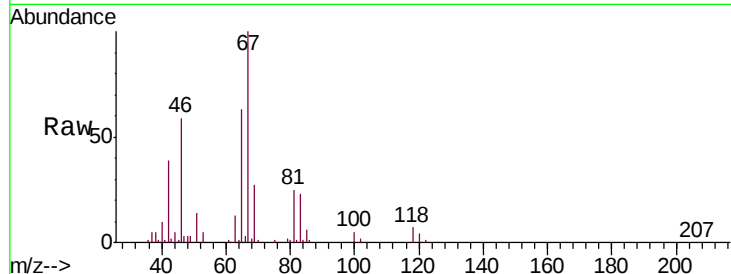




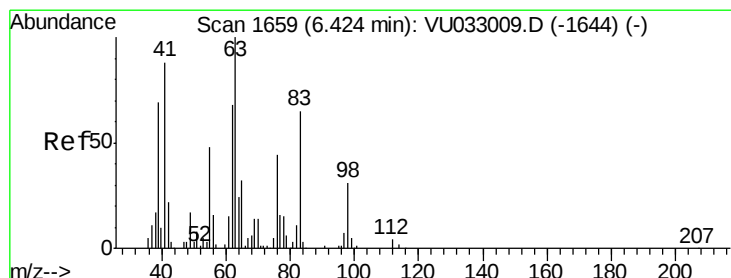
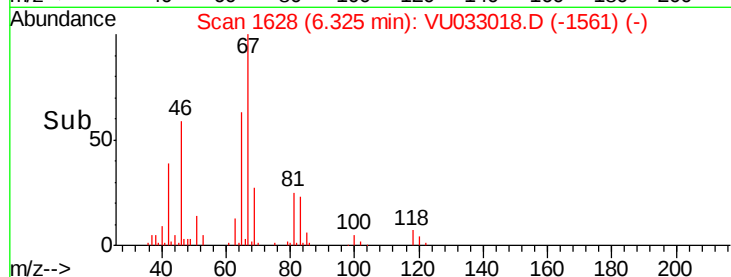
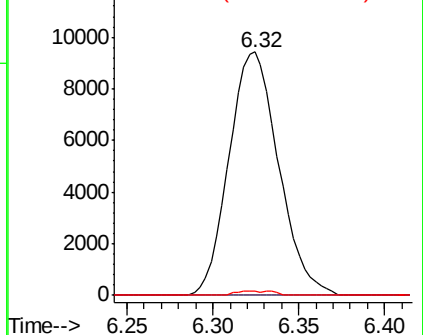
#35
Methylcyclohexane
Concen: 8.297 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU033018.D
Acq: 24 Jun 2019 20:14

Instrument :
MSVOA_U
ClientSampleId :
ETF03

Tgt Ion: 83 Resp: 18896
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.9 37.4 56.0#

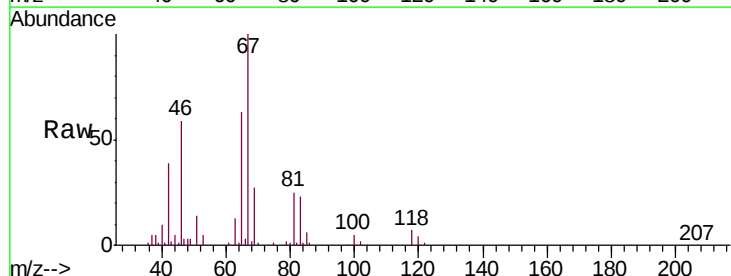


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

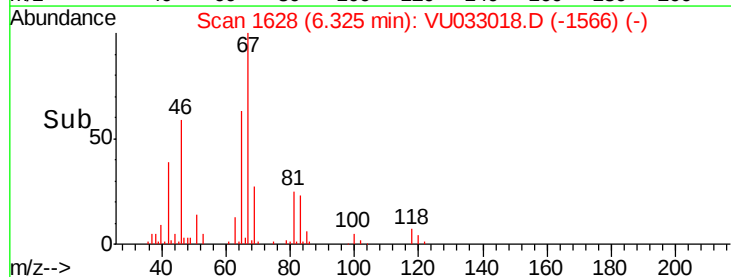
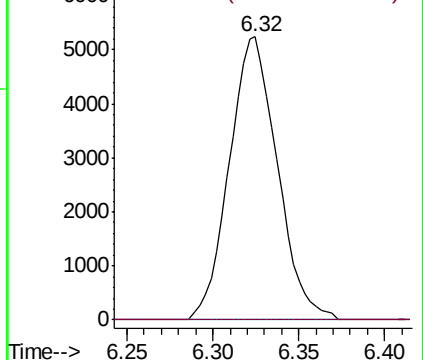


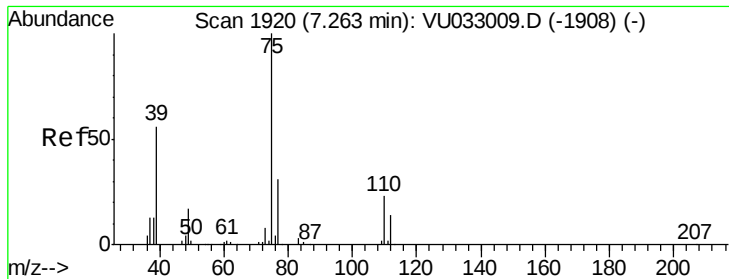
#37
1,2-Dichloropropane
Concen: 6.709 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU033018.D
Acq: 24 Jun 2019 20:14

Tgt Ion: 63 Resp: 10149
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#39

cis-1,3-Dichloropropene

Concen: 1.173 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU033018.D

Acq: 24 Jun 2019 20:14

Instrument :

MSVOA_U

ClientSampleId :

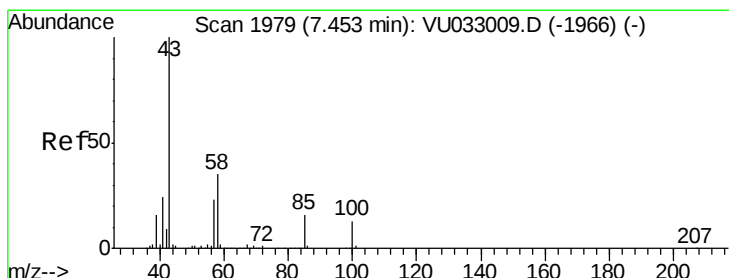
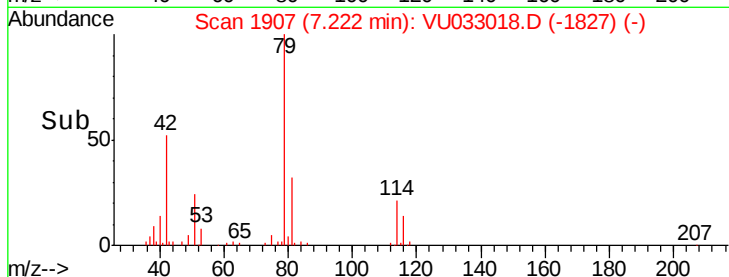
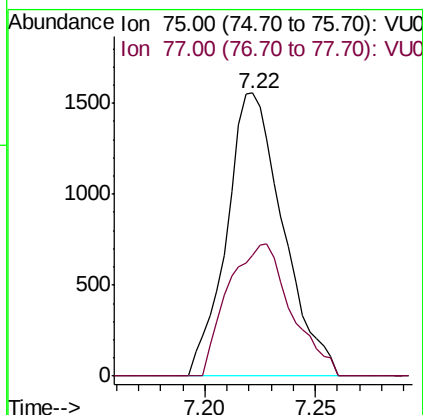
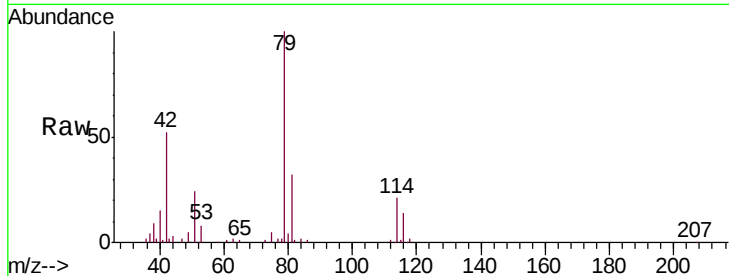
ETF03

Tgt Ion: 75 Resp: 2764

Ion Ratio Lower Upper

75 100

77 42.5 21.9 40.7#



#40

4-Methyl-2-pentanone

Concen: 0.511 ug/L

RT: 7.56 min Scan# 2012

Delta R.T. 0.11 min

Lab File: VU033018.D

Acq: 24 Jun 2019 20:14

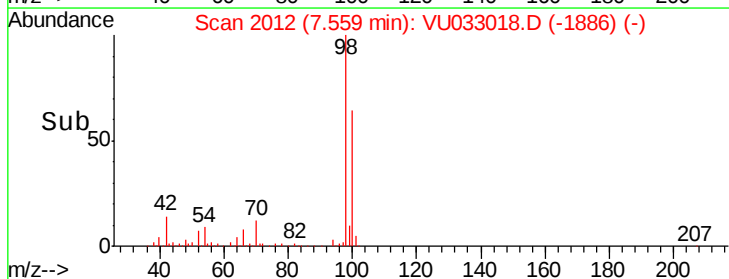
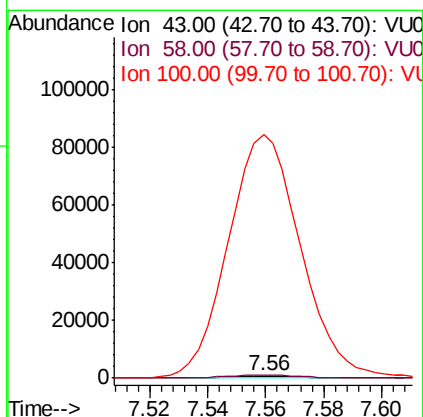
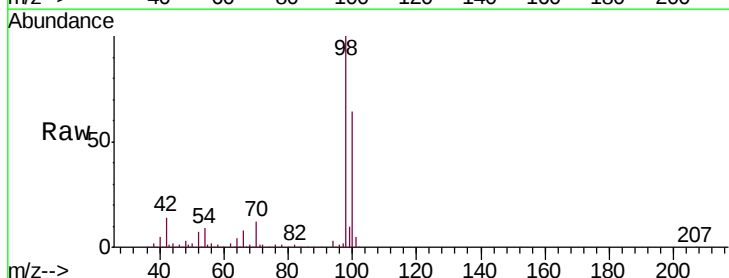
Tgt Ion: 43 Resp: 1235

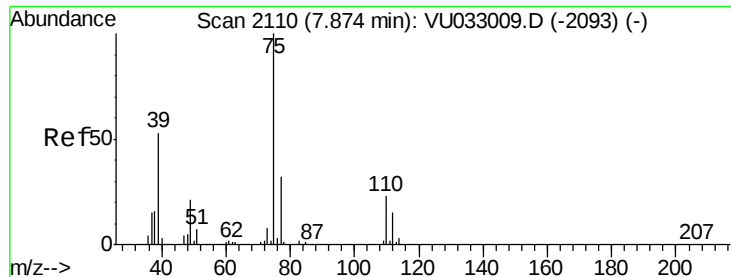
Ion Ratio Lower Upper

43 100

58 158.1 29.4 44.2#

100 11919.8 11.2 16.8#





#44

trans-1,3-Dichloropropene

Concen: 0.918 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU033018.D

Acq: 24 Jun 2019 20:14

Instrument :

MSVOA_U

ClientSampled :

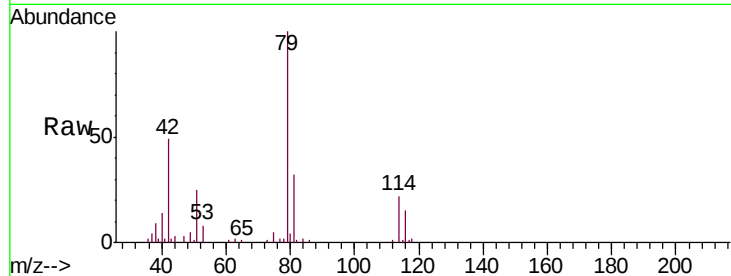
ETF03

Tgt Ion: 75 Resp: 2032

Ion Ratio Lower Upper

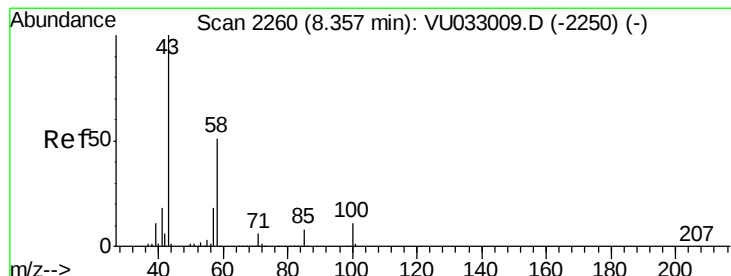
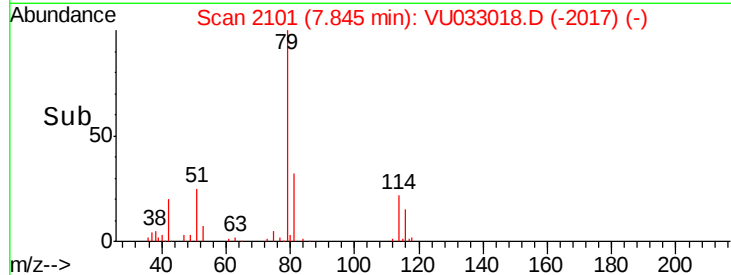
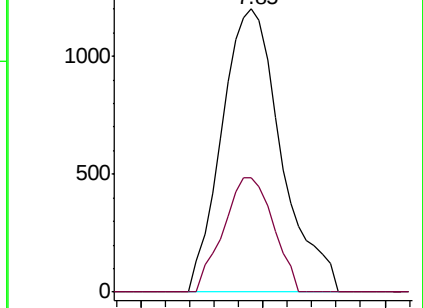
75 100

77 40.6 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#48

2-Hexanone

Concen: 1.865 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU033018.D

Acq: 24 Jun 2019 20:14

Tgt Ion: 43 Resp: 3973

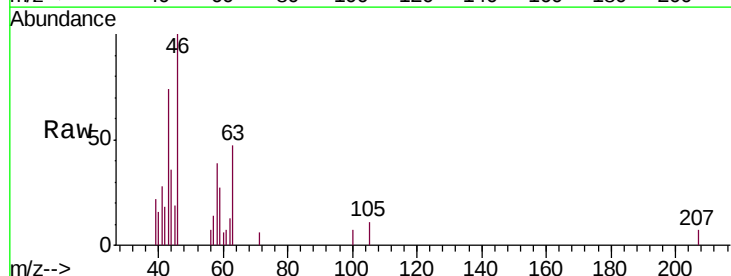
Ion Ratio Lower Upper

43 100

58 27.8 40.2 60.2#

57 14.6 14.2 21.4

100 2.6 8.4 12.6#

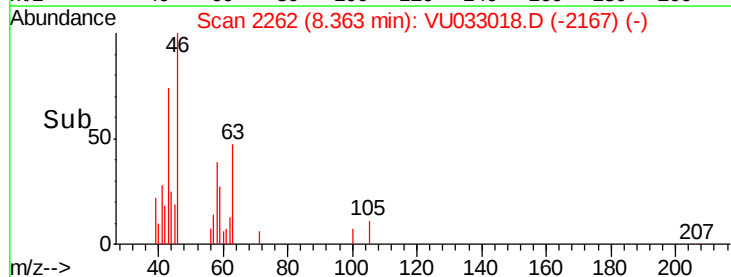
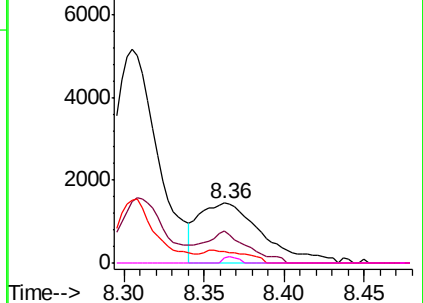


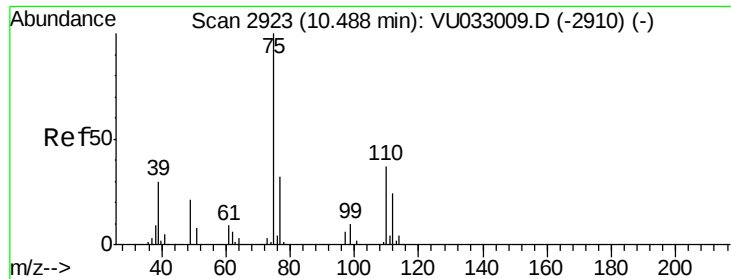
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.747 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU033018.D

Acq: 24 Jun 2019 20:14

Instrument :

MSVOA_U

ClientSampleId :

ETF03

Tgt Ion: 75 Resp: 11602

Ion Ratio Lower Upper

75 100

77 38.1 25.5 38.3

