

Data File : VU033006.D
Acq On : 24 Jun 2019 14:44
Operator : JC/SP
Sample : K3478-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF30

Quant Time: Jun 25 05:27:58 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	198382	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	194039	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	93172	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	65755	48.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.00%
7) Chloroethane-d5	1.68	69	56031	51.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.64%
11) 1,1-Dichloroethene-d2	2.27	63	102368	37.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.96%
21) 2-Butanone-d5	4.17	46	119477	105.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.88%
24) Chloroform-d	4.64	84	133991	50.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.68%
26) 1,2-Dichloroethane-d4	5.30	65	92393	52.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.26%
32) Benzene-d6	5.33	84	257941	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.98%
36) 1,2-Dichloropropane-d6	6.32	67	83654	51.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.84%
41) Toluene-d8	7.56	98	234666	49.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.08%
43) trans-1,3-Dichloropropene-	7.85	79	40820	48.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.40%
47) 2-Hexanone-d5	8.31	63	72507	96.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.37%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	120322	48.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	92832	51.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.98%

Target Compounds

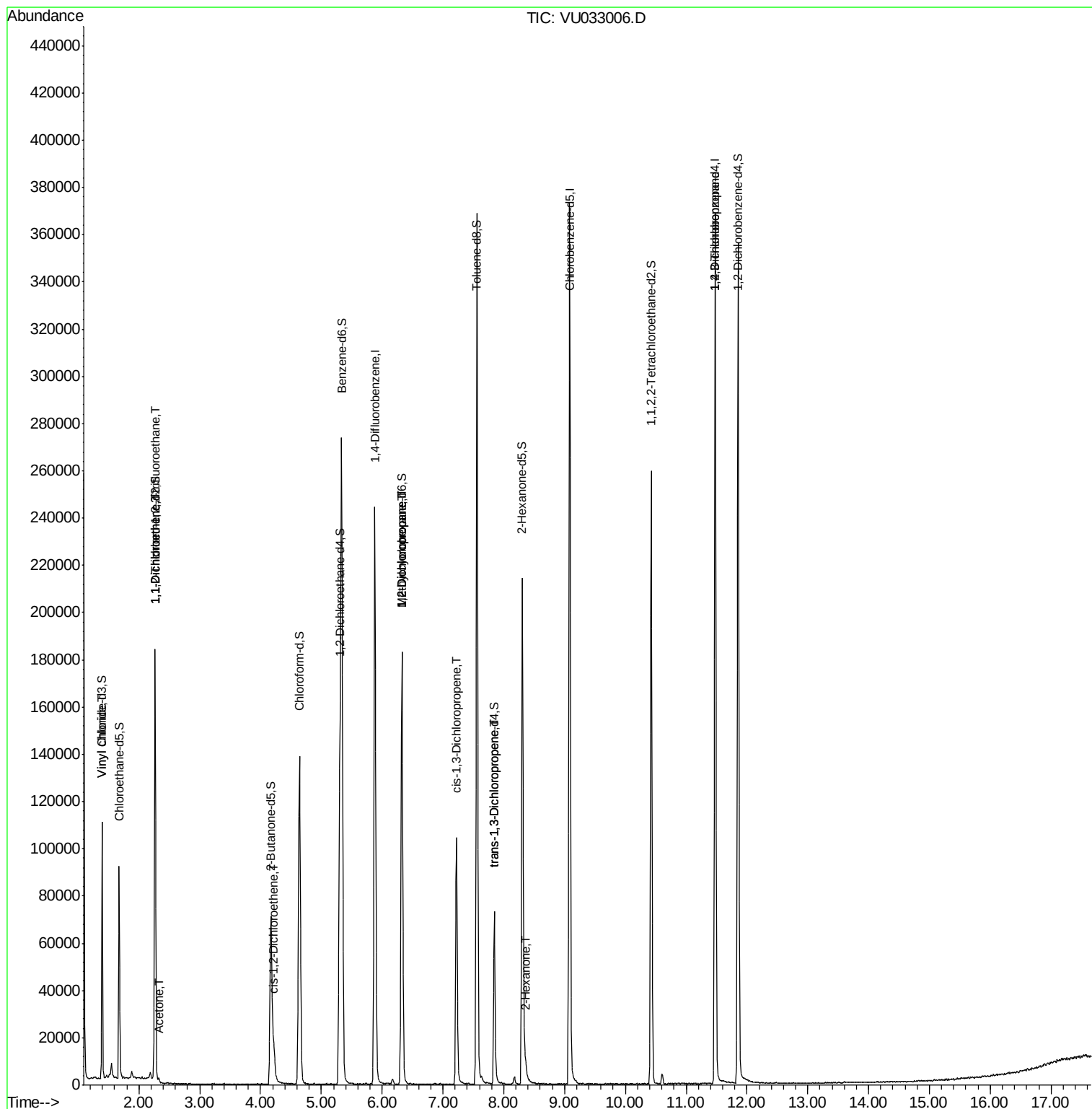
					Qvalue
5) Vinyl chloride	1.40	62	1195	0.663 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	819	0.618 ug/L #	17
12) 1,1-Dichloroethene	2.27	96	796	0.637 ug/L #	1
13) Acetone	2.32	43	775	0.497 ug/L	62
20) cis-1,2-Dichloroethene	4.22	96	4981	3.375 ug/L	94
35) Methylcyclohexane	6.32	83	19109	8.277 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	10686	6.969 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2904	1.216 ug/L #	59
44) trans-1,3-Dichloropropene	7.85	75	2085	0.929 ug/L	87
48) 2-Hexanone	8.36	43	3508	1.624 ug/L #	76
59) 1,2,3-Trichloropropane	11.48	75	11369	5.556 ug/L #	83

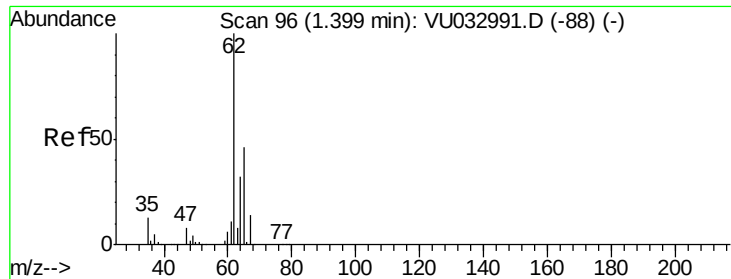
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Jun 25 05:22:49 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.663 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033006.D

Acq: 24 Jun 2019 14:44

Instrument :

MSVOA_U

ClientSampled :

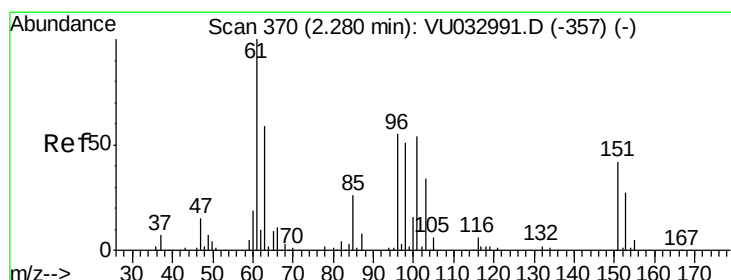
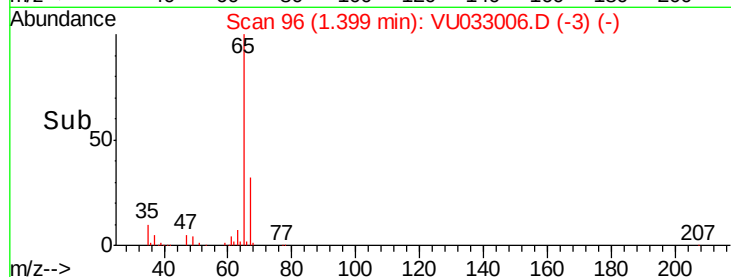
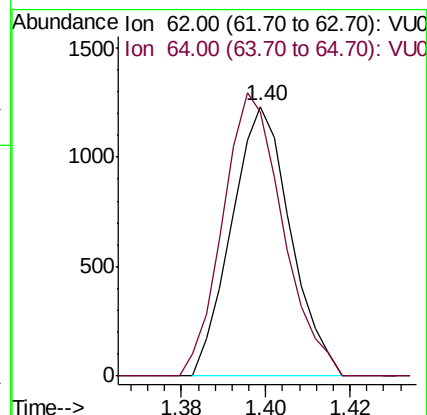
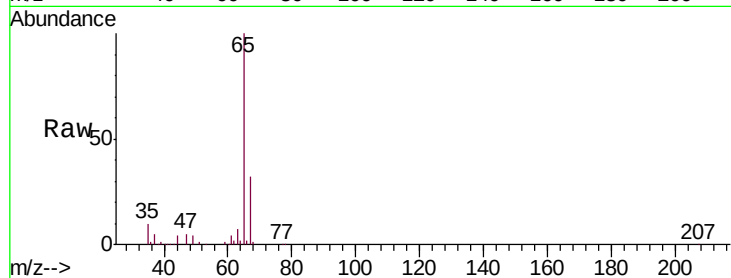
ETF30

Tgt Ion: 62 Resp: 1195

Ion Ratio Lower Upper

62 100

64 98.1 23.0 42.6#



#10

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

Concen: 0.618 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU033006.D

Acq: 24 Jun 2019 14:44

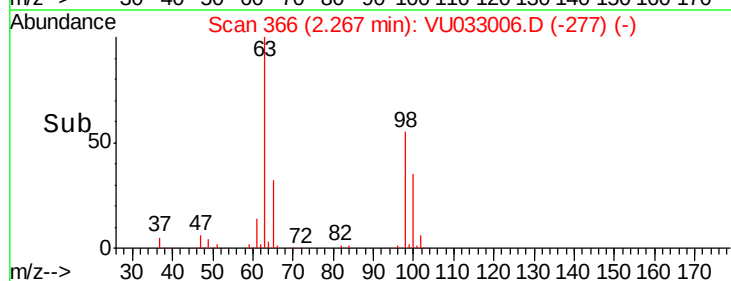
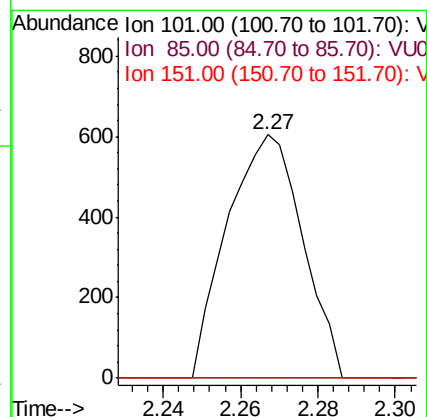
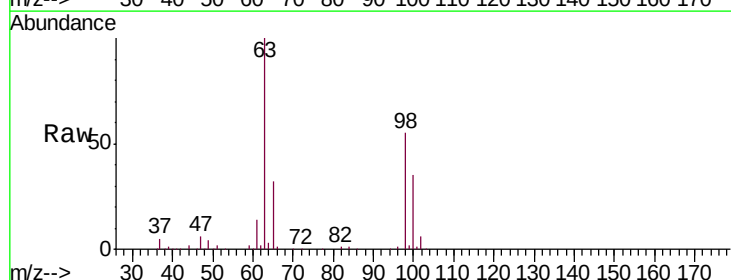
Tgt Ion: 101 Resp: 819

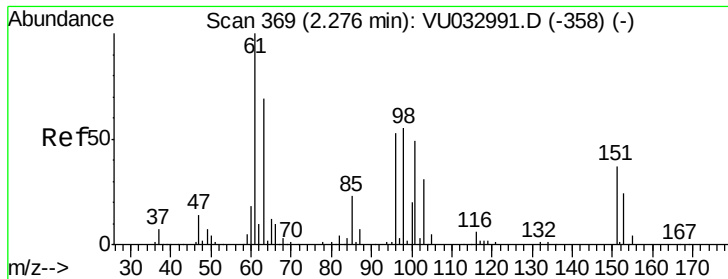
Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 63.6 95.4#

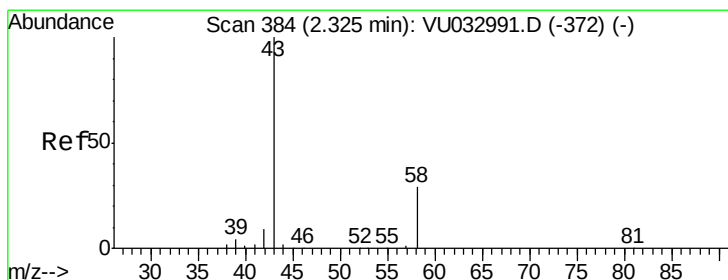
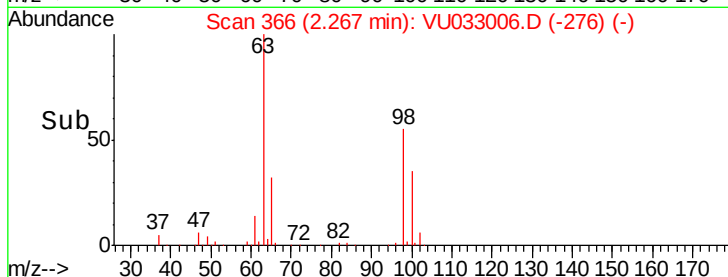
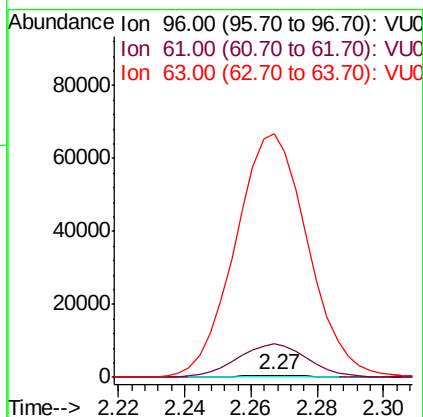
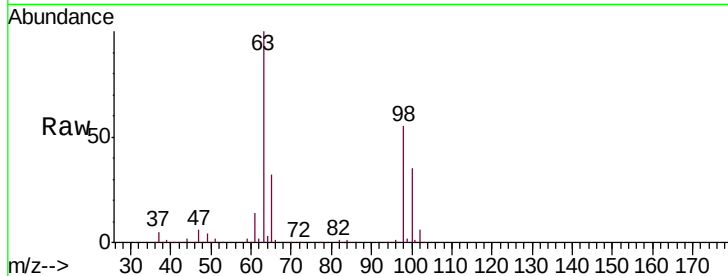




#12
 1,1-Dichloroethene
 Concen: 0.637 ug/L
 RT: 2.27 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VU033006.D
 Acq: 24 Jun 2019 14:44

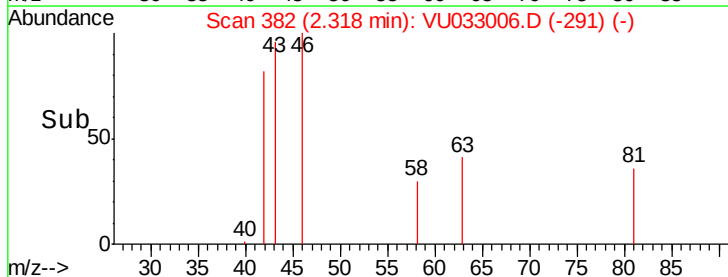
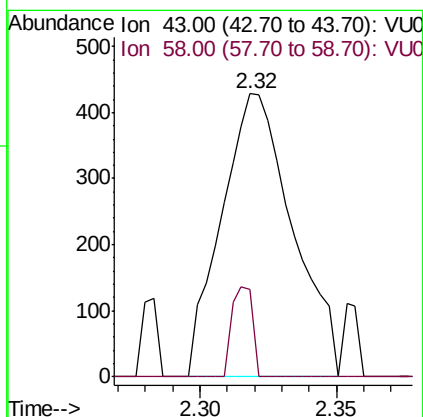
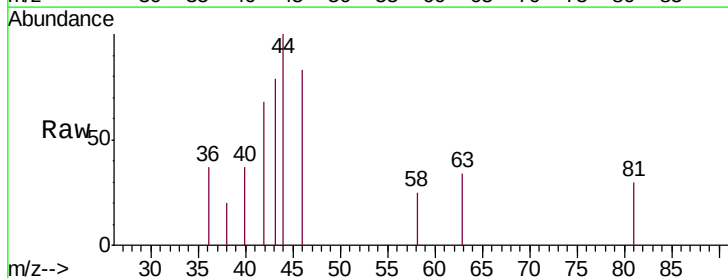
Instrument :
 MSVOA_U
 ClientSampled :
 ETF30

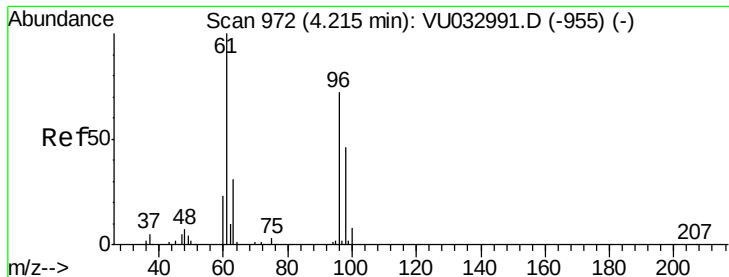
Tgt Ion: 96 Resp: 796
 Ion Ratio Lower Upper
 96 100
 61 1641.7 131.0 243.4#
 63 12056.3 101.0 187.6#



#13
 Acetone
 Concen: 0.497 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VU033006.D
 Acq: 24 Jun 2019 14:44

Tgt Ion: 43 Resp: 775
 Ion Ratio Lower Upper
 43 100
 58 9.5 0.0 60.6





#20

cis-1,2-Dichloroethene

Concen: 3.375 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.01 min

Lab File: VU033006.D

Acq: 24 Jun 2019 14:44

Instrument :
MSVOA_U
ClientSampleId :
ETF30

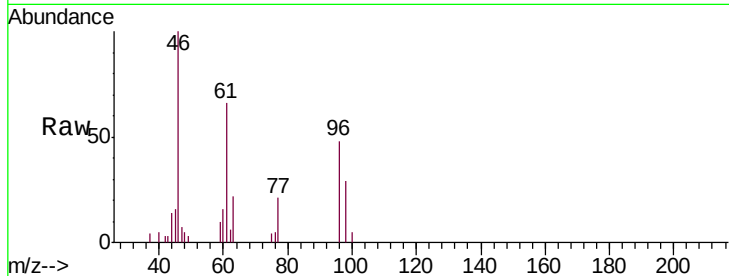
Tgt Ion: 96 Resp: 4981

Ion Ratio Lower Upper

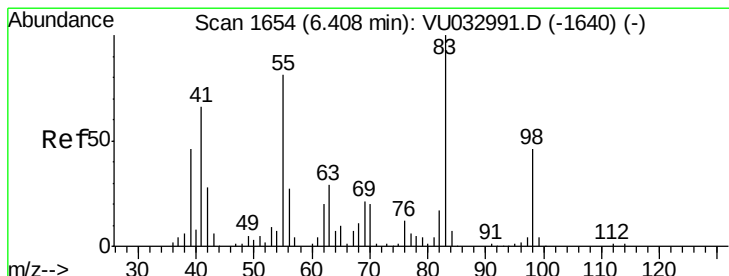
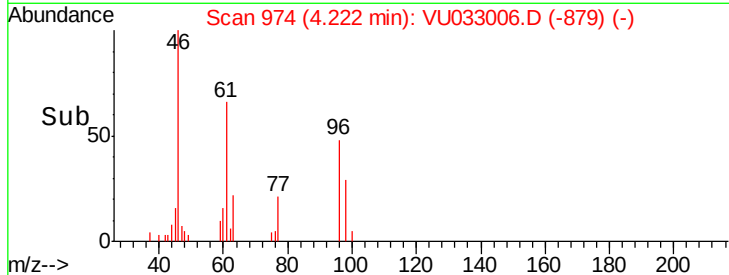
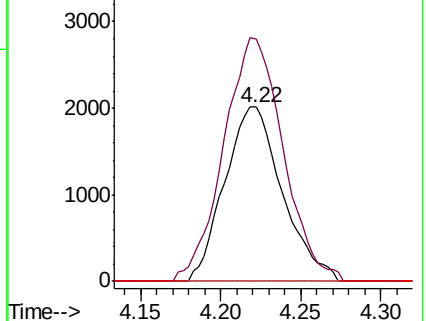
96 100

61 138.8 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



#35

Methylcyclohexane

Concen: 8.277 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU033006.D

Acq: 24 Jun 2019 14:44

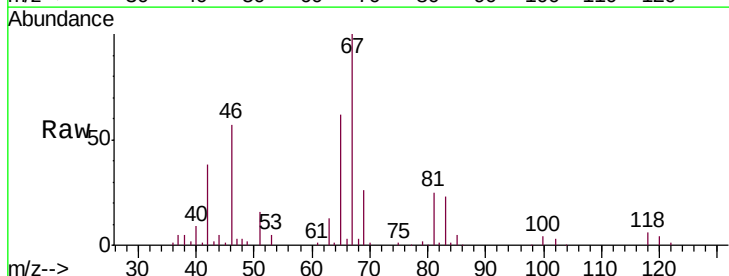
Tgt Ion: 83 Resp: 19109

Ion Ratio Lower Upper

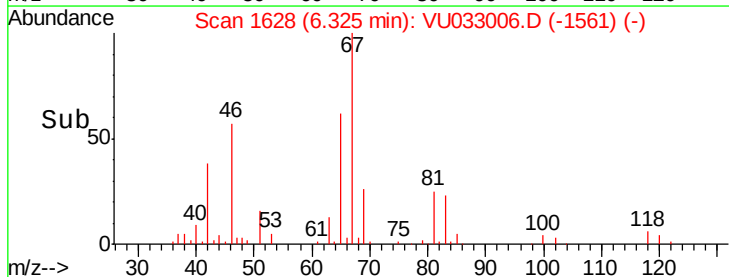
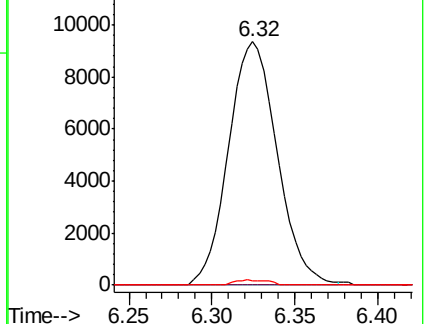
83 100

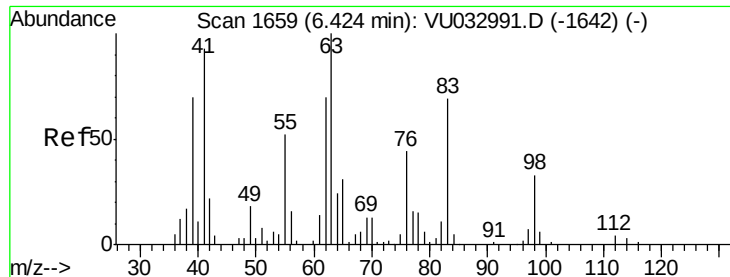
55 0.0 62.6 94.0#

98 1.4 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

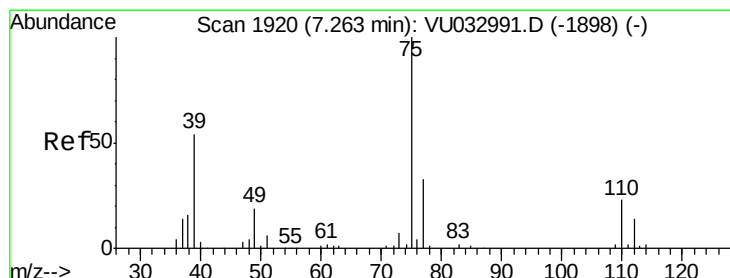
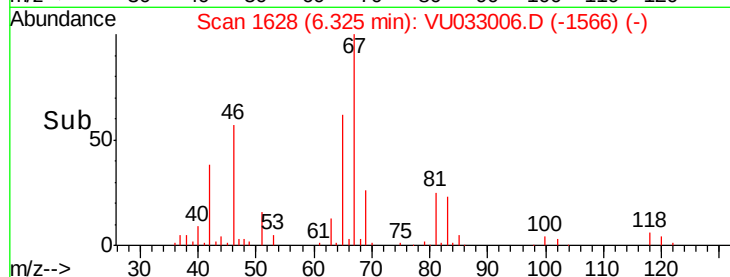
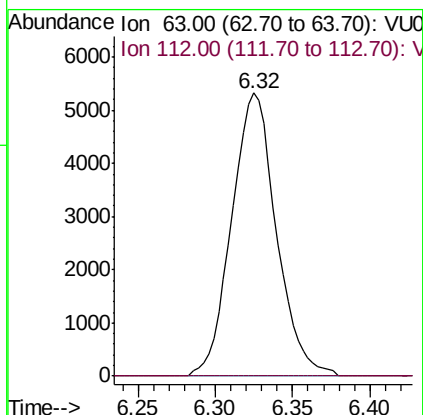
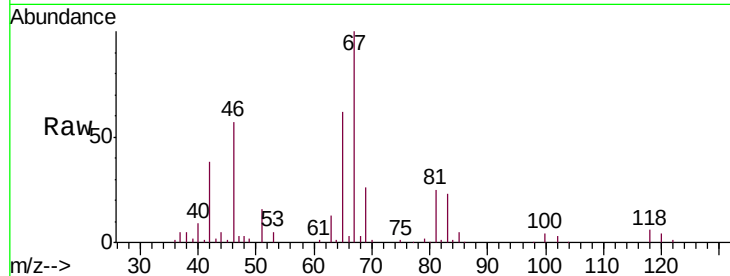




#37
 1,2-Dichloropropane
 Concen: 6.969 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU033006.D
 Acq: 24 Jun 2019 14:44

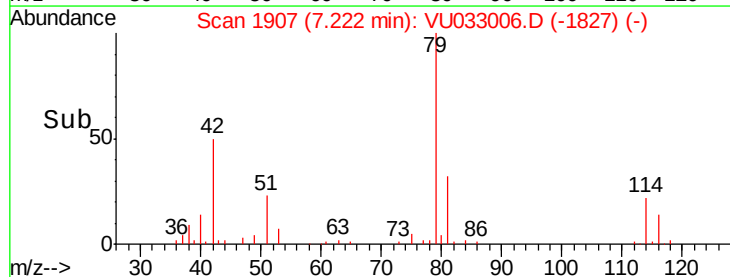
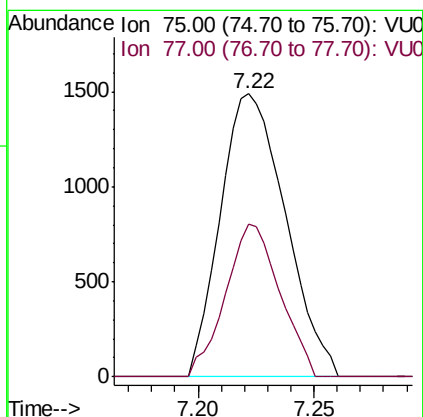
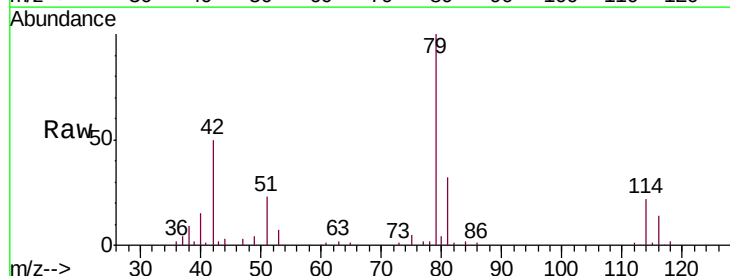
Instrument :
 MSVOA_U
 ClientSampleID :
 ETF30

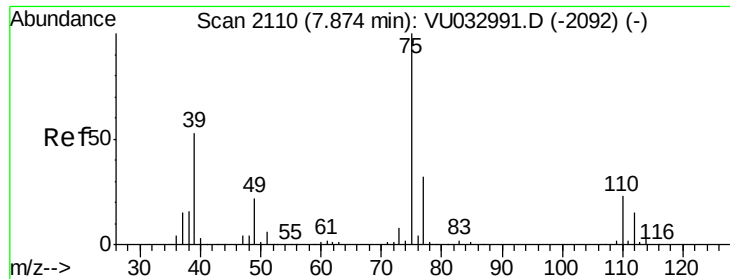
Tgt Ion: 63 Resp: 10686
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.216 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU033006.D
 Acq: 24 Jun 2019 14:44

Tgt Ion: 75 Resp: 2904
 Ion Ratio Lower Upper
 75 100
 77 54.1 21.9 40.7#





#44

trans-1,3-Dichloropropene

Concen: 0.929 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU033006.D

Acq: 24 Jun 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

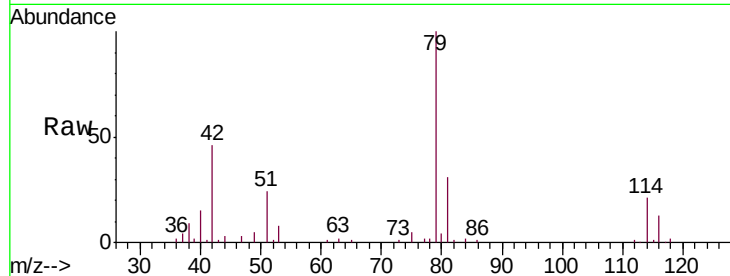
ETF30

Tgt Ion: 75 Resp: 2085

Ion Ratio Lower Upper

75 100

77 38.2 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU033006.D (-2101) (-)

Ion 77.00 (76.70 to 77.70): VU033006.D (-2101) (-)

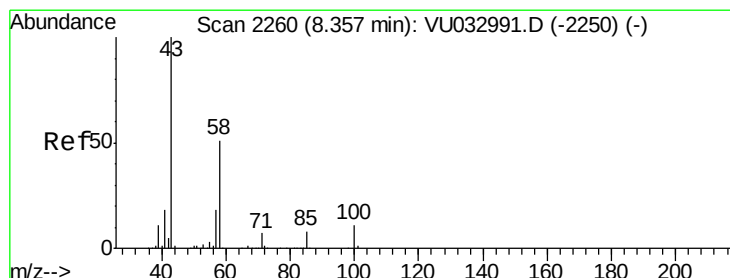
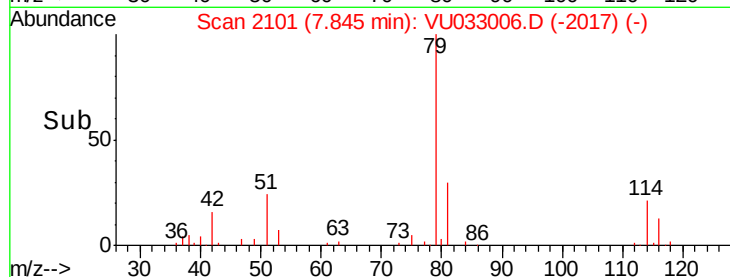
7.85

1000

500

0

Time-->



#48

2-Hexanone

Concen: 1.624 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU033006.D

Acq: 24 Jun 2019 14:44

Tgt Ion: 43 Resp: 3508

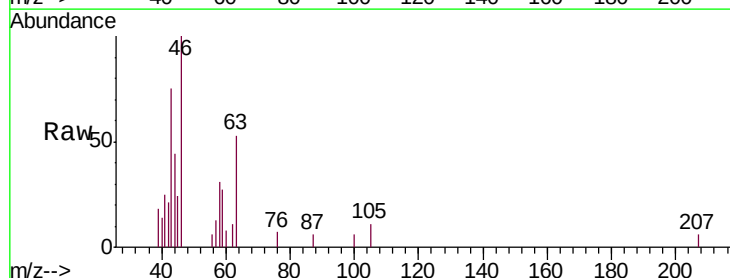
Ion Ratio Lower Upper

43 100

58 37.7 40.2 60.2#

57 0.0 14.2 21.4#

100 2.0 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VU033006.D (-2262) (-)

Ion 58.00 (57.70 to 58.70): VU033006.D (-2262) (-)

Ion 57.00 (56.70 to 57.70): VU033006.D (-2262) (-)

Ion 100.00 (99.70 to 100.70): VU033006.D (-2262) (-)

8.36

8000

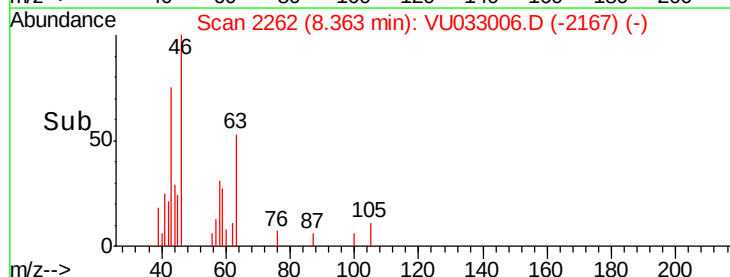
6000

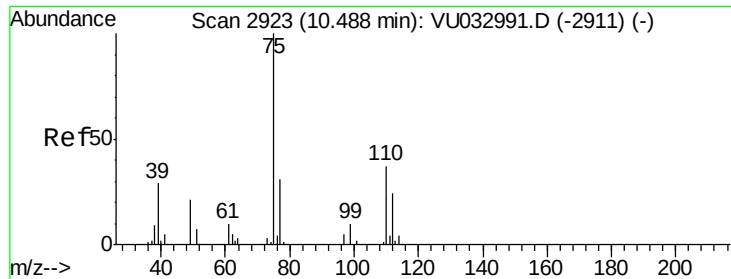
4000

2000

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.556 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU033006.D

Acq: 24 Jun 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

ETF30

Tgt Ion: 75 Resp: 11369

Ion Ratio Lower Upper

75 100

77 41.1 25.5 38.3#

