

Data File : VU033017.D
Acq On : 24 Jun 2019 19:51
Operator : JC/SP
Sample : K3463-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF02

Quant Time: Jun 25 06:58:49 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	192106	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	190836	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91209	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62970	47.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.92%
7) Chloroethane-d5	1.68	69	53327	50.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.86%
11) 1,1-Dichloroethene-d2	2.27	63	98790	37.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.70%
21) 2-Butanone-d5	4.17	46	122491	112.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.09%
24) Chloroform-d	4.64	84	129485	50.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.46%
26) 1,2-Dichloroethane-d4	5.30	65	91972	54.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.20%
32) Benzene-d6	5.33	84	253124	50.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.76%
36) 1,2-Dichloropropane-d6	6.32	67	81370	51.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.70%
41) Toluene-d8	7.56	98	231541	49.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	7.85	79	39204	47.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.12%
47) 2-Hexanone-d5	8.31	63	72945	98.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	118669	48.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.88%
64) 1,2-Dichlorobenzene-d4	11.85	152	91450	51.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.62%

Target Compounds

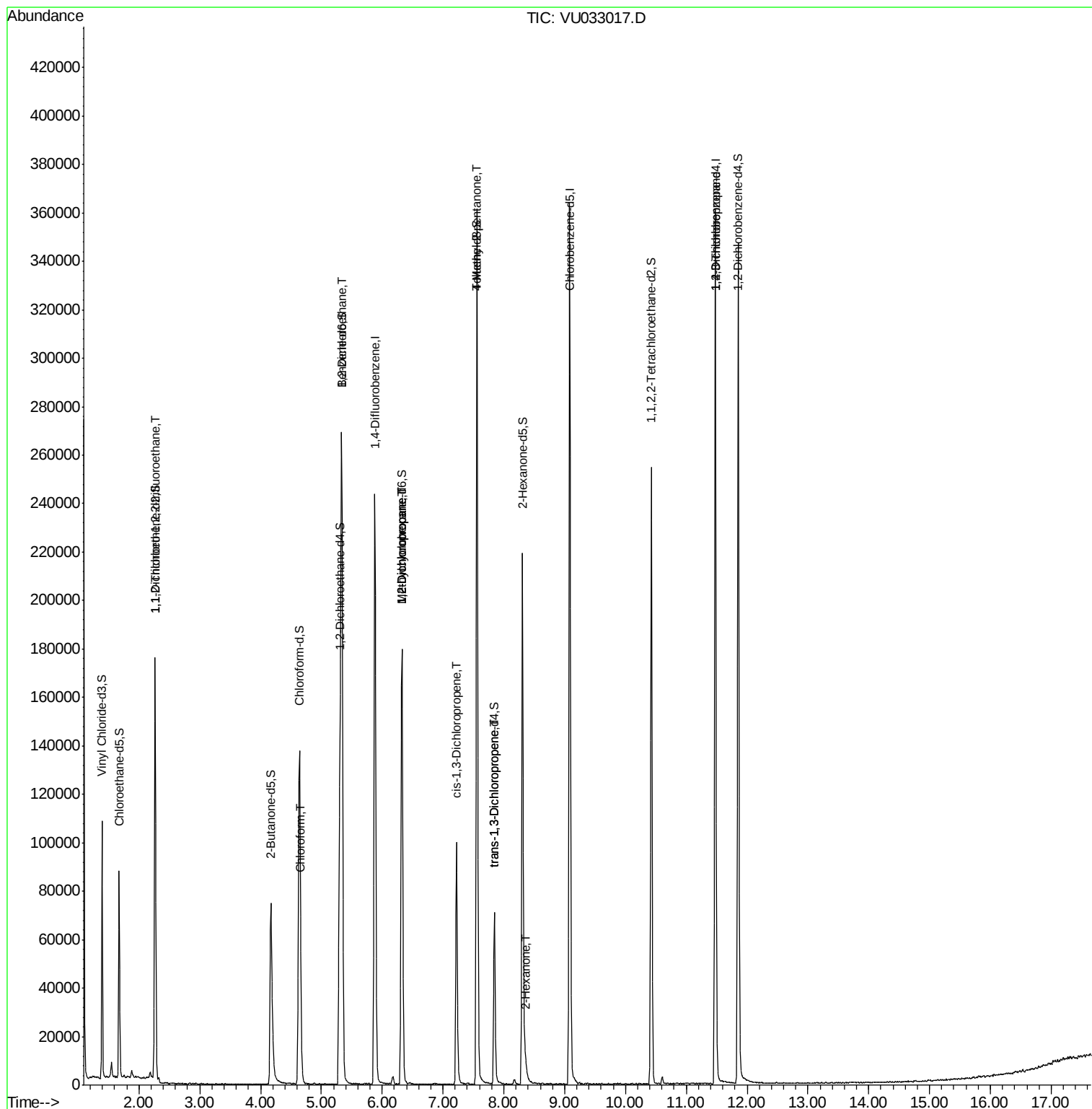
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	882	0.687	ug/L #	17
25) Chloroform	4.67	83	5302	2.056	ug/L	98
27) 1,2-Dichloroethane	5.34	62	1793	0.846	ug/L #	77
35) Methylcyclohexane	6.32	83	18934	8.339	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	9770	6.479	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2721	1.158	ug/L #	65
40) 4-Methyl-2-pentanone	7.56	43	1182	0.491	ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	1870	0.847	ug/L	85
48) 2-Hexanone	8.36	43	2983	1.404	ug/L #	82
59) 1,2,3-Trichloropropane	11.48	75	12112	6.018	ug/L	90

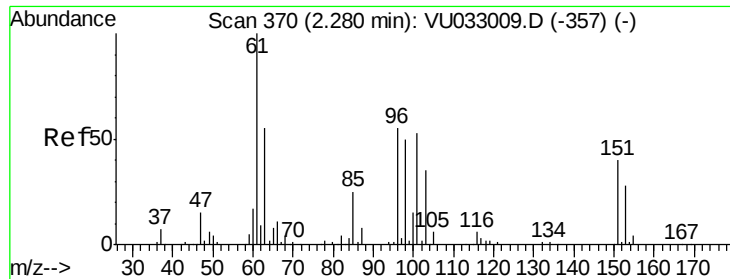
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.687 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU033017.D

Acq: 24 Jun 2019 19:51

Instrument :

MSVOA_U

ClientSampled :

ETF02

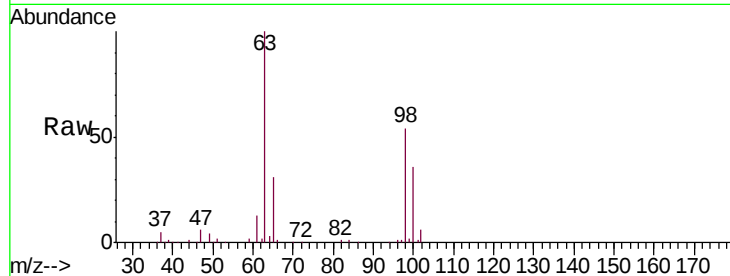
Tgt Ion:101 Resp: 882

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

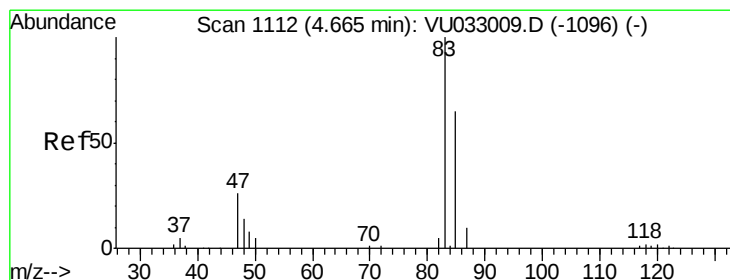
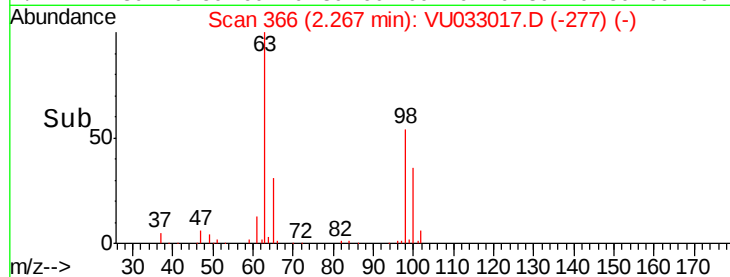
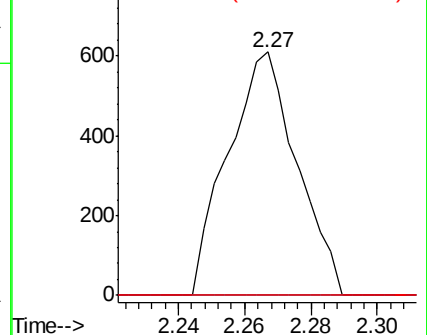
151 0.0 63.6 95.4#



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



#25

Chloroform

Concen: 2.056 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU033017.D

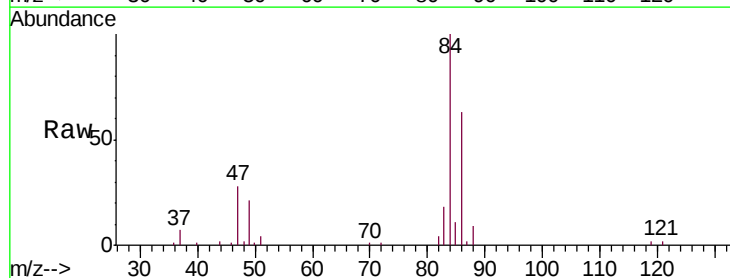
Acq: 24 Jun 2019 19:51

Tgt Ion: 83 Resp: 5302

Ion Ratio Lower Upper

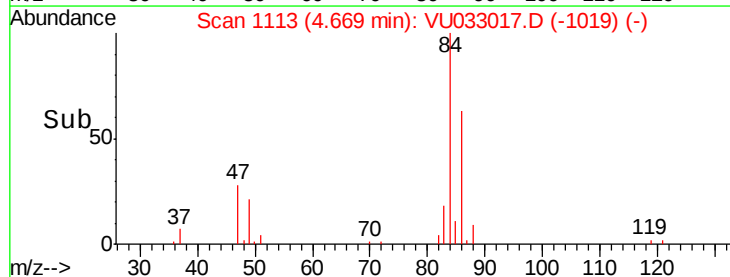
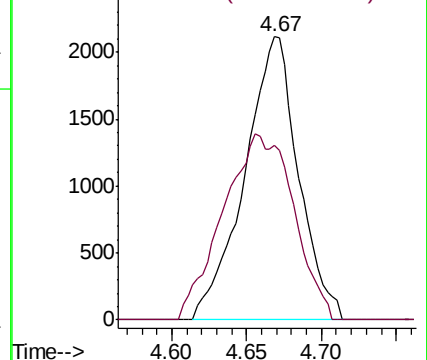
83 100

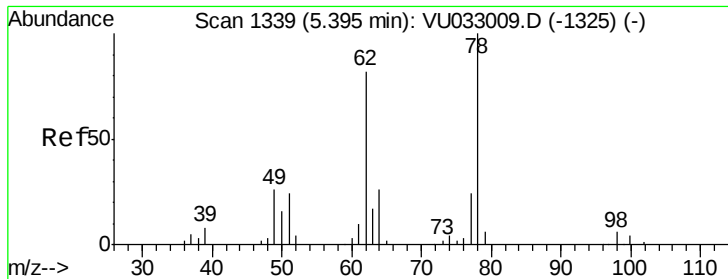
85 61.8 44.2 82.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

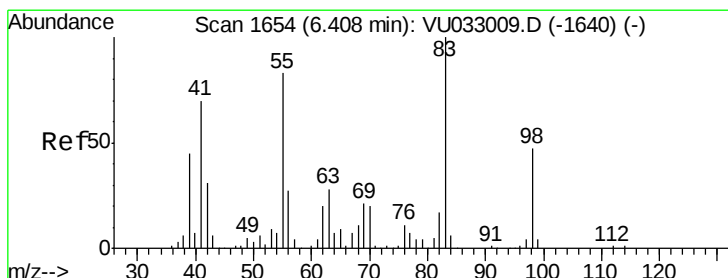
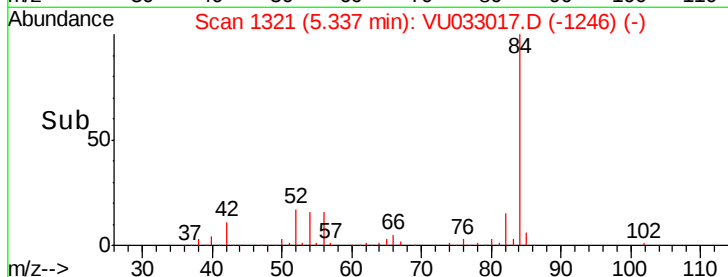
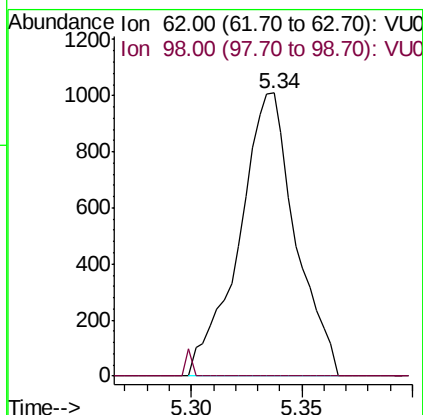
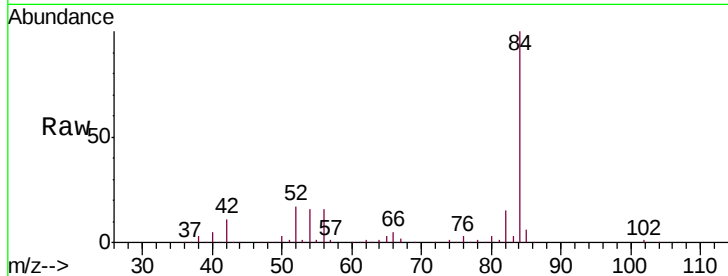




#27
 1,2-Dichloroethane
 Concen: 0.846 ug/L
 RT: 5.34 min Scan# 1321
 Delta R.T. -0.06 min
 Lab File: VU033017.D
 Acq: 24 Jun 2019 19:51

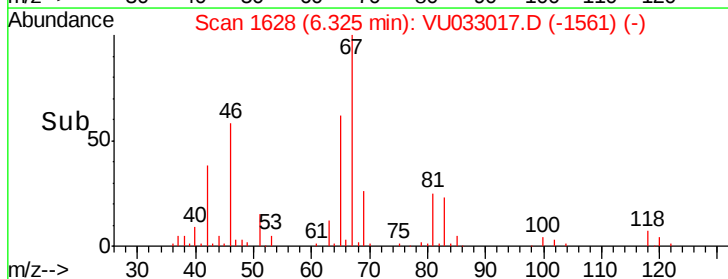
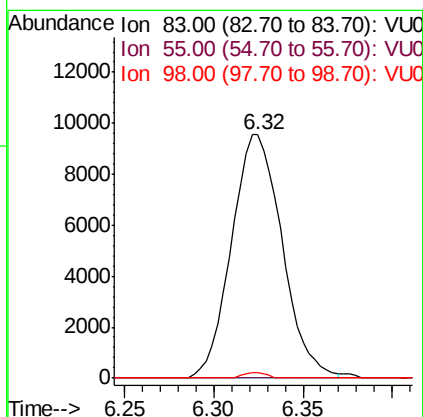
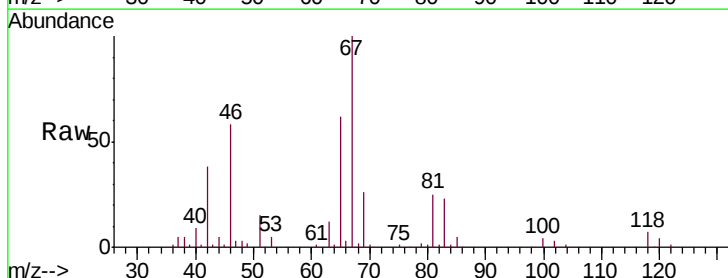
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF02

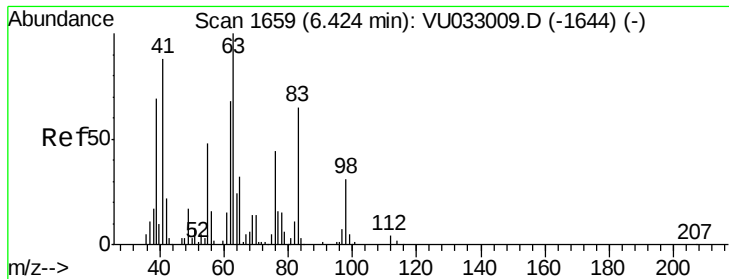
Tgt Ion: 62 Resp: 1793
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#35
 Methylcyclohexane
 Concen: 8.339 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.08 min
 Lab File: VU033017.D
 Acq: 24 Jun 2019 19:51

Tgt Ion: 83 Resp: 18934
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.6 94.0#
 98 0.9 37.4 56.0#





#37

1,2-Dichloropropane

Concen: 6.479 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU033017.D

Acq: 24 Jun 2019 19:51

Instrument :

MSVOA_U

ClientSampleId :

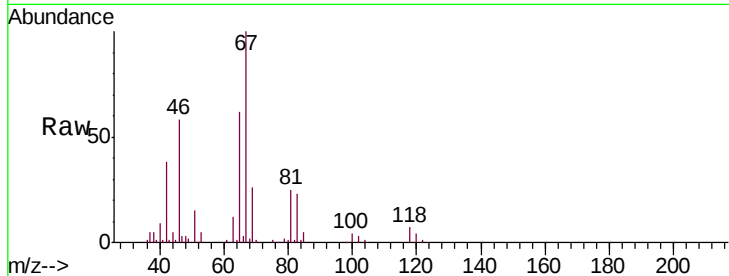
ETF02

Tgt Ion: 63 Resp: 9770

Ion Ratio Lower Upper

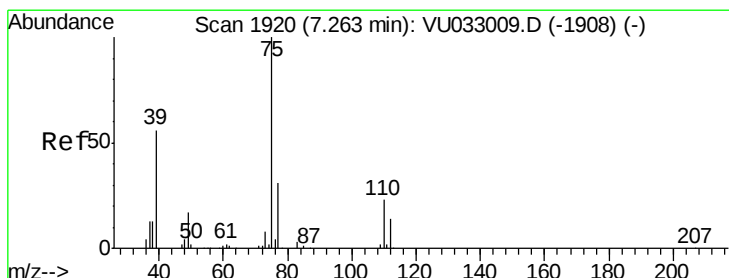
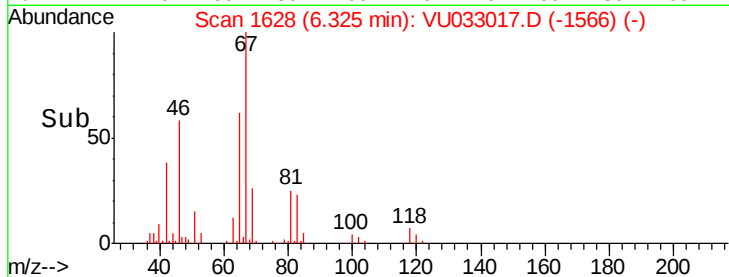
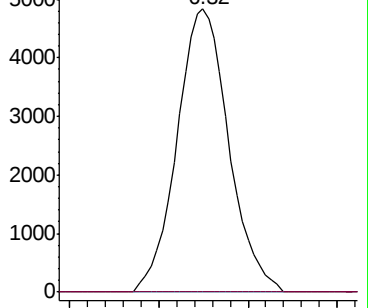
63 100

112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU033009.D (-1644) (-)

Ion 112.00 (111.70 to 112.70): VU033009.D (-1644) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.158 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU033017.D

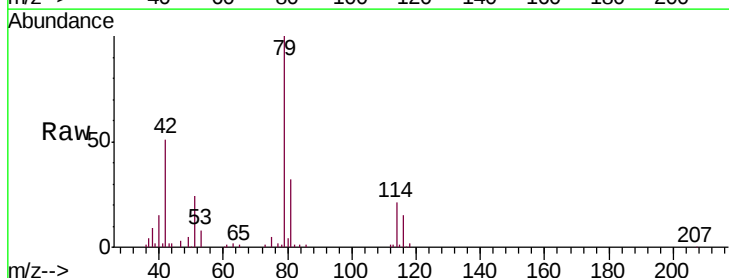
Acq: 24 Jun 2019 19:51

Tgt Ion: 75 Resp: 2721

Ion Ratio Lower Upper

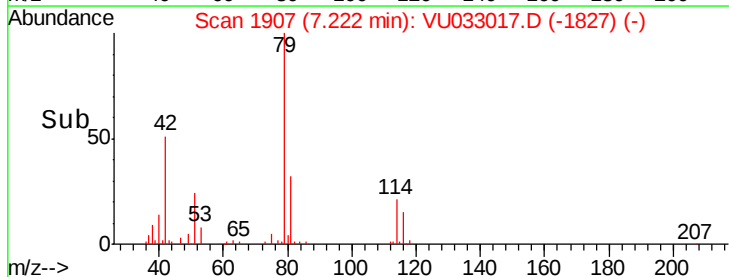
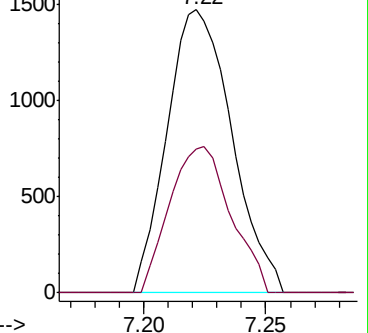
75 100

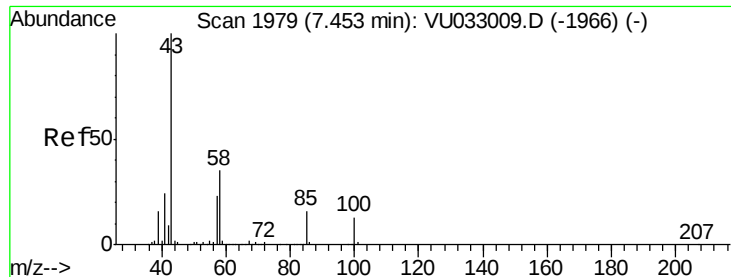
77 50.6 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VU033009.D (-1908) (-)

Ion 77.00 (76.70 to 77.70): VU033009.D (-1908) (-)

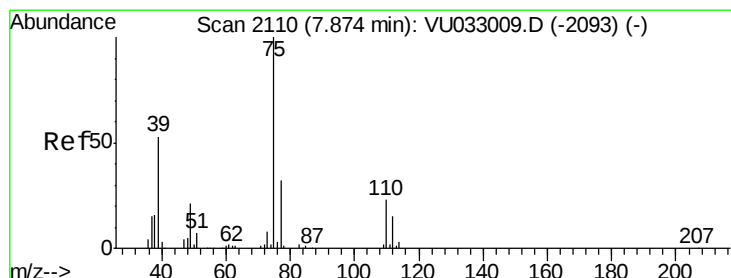
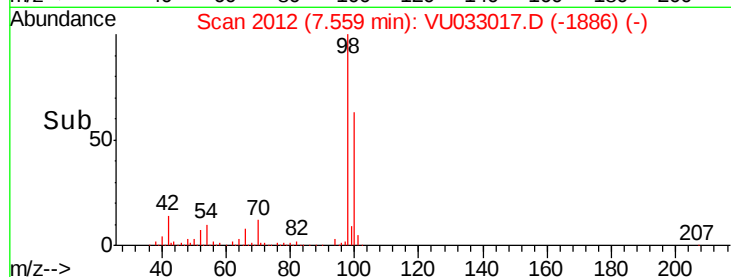
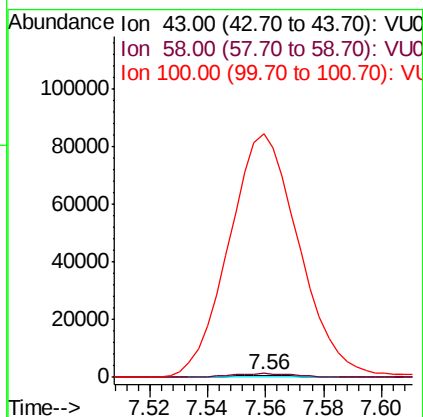
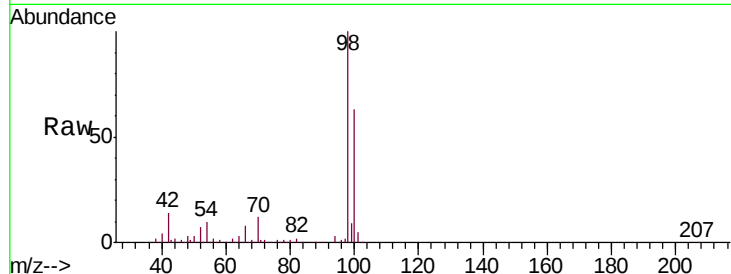




#40
 4-Methyl-2-pentanone
 Concen: 0.491 ug/L
 RT: 7.56 min Scan# 2012
 Delta R.T. 0.11 min
 Lab File: VU033017.D
 Acq: 24 Jun 2019 19:51

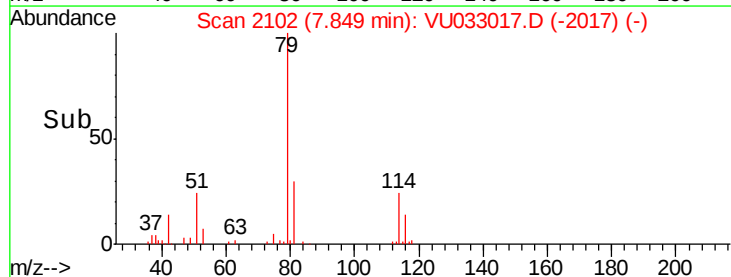
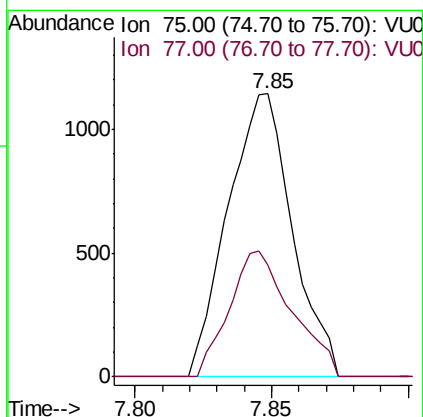
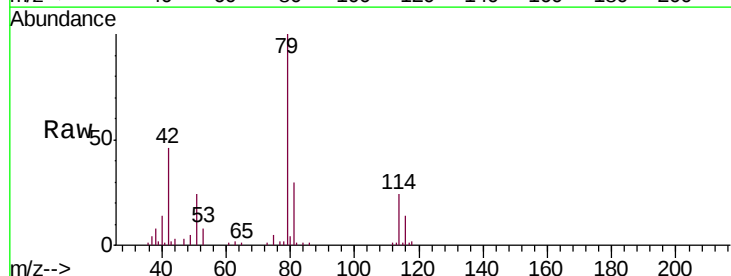
Instrument :
 MSVOA_U
 ClientSampled :
 ETF02

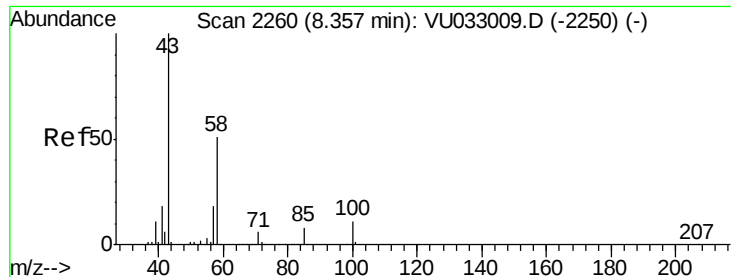
Tgt Ion: 43 Resp: 1182
 Ion Ratio Lower Upper
 43 100
 58 179.4 29.4 44.2#
 100 12211.0 11.2 16.8#



#44
 trans-1,3-Dichloropropene
 Concen: 0.847 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU033017.D
 Acq: 24 Jun 2019 19:51

Tgt Ion: 75 Resp: 1870
 Ion Ratio Lower Upper
 75 100
 77 39.5 21.8 40.4

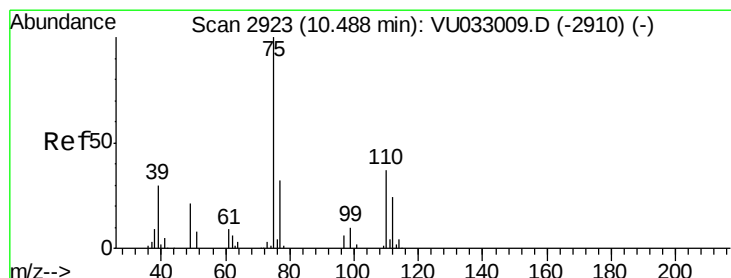
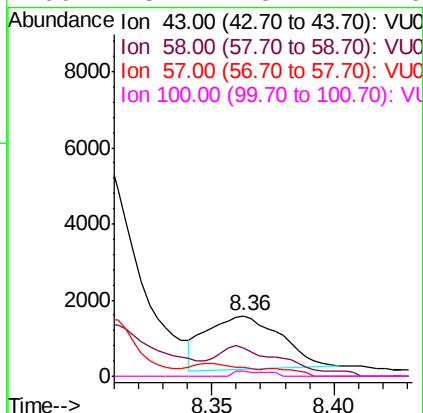
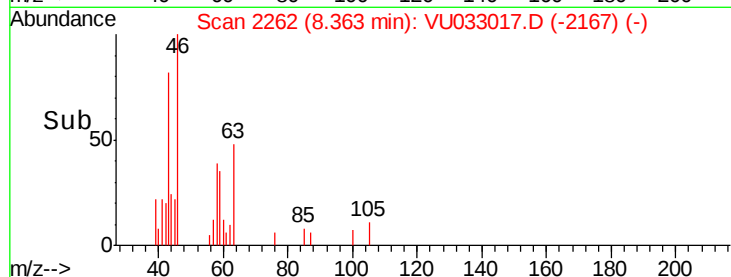
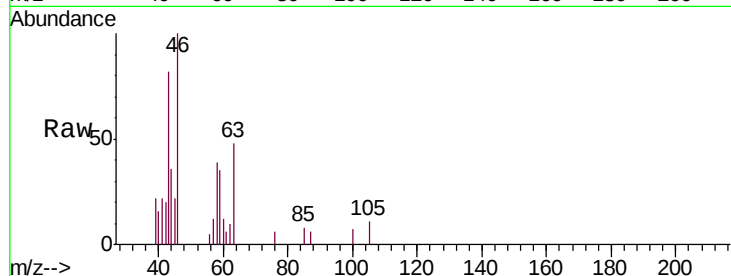




#48
2-Hexanone
Concen: 1.404 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU033017.D
Acq: 24 Jun 2019 19:51

Instrument :
MSVOA_U
ClientSampleId :
ETF02

Tgt Ion: 43 Resp: 2983
Ion Ratio Lower Upper
43 100
58 38.7 40.2 60.2#
57 8.3 14.2 21.4#
100 3.1 8.4 12.6#



#59
1,2,3-Trichloropropane
Concen: 6.018 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU033017.D
Acq: 24 Jun 2019 19:51

Tgt Ion: 75 Resp: 12112
Ion Ratio Lower Upper
75 100
77 37.4 25.5 38.3

