

Data File : VU033019.D
Acq On : 24 Jun 2019 20:37
Operator : JC/SP
Sample : K3463-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF04

Quant Time: Jun 25 06:59:07 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	196912	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	191489	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	93101	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	65080	48.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.72%
7) Chloroethane-d5	1.68	69	54880	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.26%
11) 1,1-Dichloroethene-d2	2.27	63	101386	37.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.80%
21) 2-Butanone-d5	4.17	46	121381	108.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.37%
24) Chloroform-d	4.64	84	131699	50.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.68%
26) 1,2-Dichloroethane-d4	5.30	65	92830	53.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.54%
32) Benzene-d6	5.33	84	259229	51.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.86%
36) 1,2-Dichloropropane-d6	6.32	67	82574	51.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.86%
41) Toluene-d8	7.56	98	235139	50.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	7.84	79	39702	48.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.00%
47) 2-Hexanone-d5	8.31	63	71802	96.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.70%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	119905	48.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	93568	51.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.88%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	1449	0.810 ug/L #	1
8) Chloroethane	1.40	64	1437	1.396 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	887	0.674 ug/L #	17
12) 1,1-Dichloroethene	2.27	96	875	0.706 ug/L #	1
13) Acetone	2.32	43	4823	3.117 ug/L	85
20) cis-1,2-Dichloroethene	4.22	96	75268	51.381 ug/L	98
33) Benzene	5.39	78	2167	0.393 ug/L	100
34) Trichloroethene	6.18	95	112115	76.068 ug/L	97
37) 1,2-Dichloropropane	6.32	63	9954	6.578 ug/L #	88
44) trans-1,3-Dichloropropene	7.84	75	2114	0.955 ug/L	88
59) 1,2,3-Trichloropropane	11.48	75	12071	5.978 ug/L	89

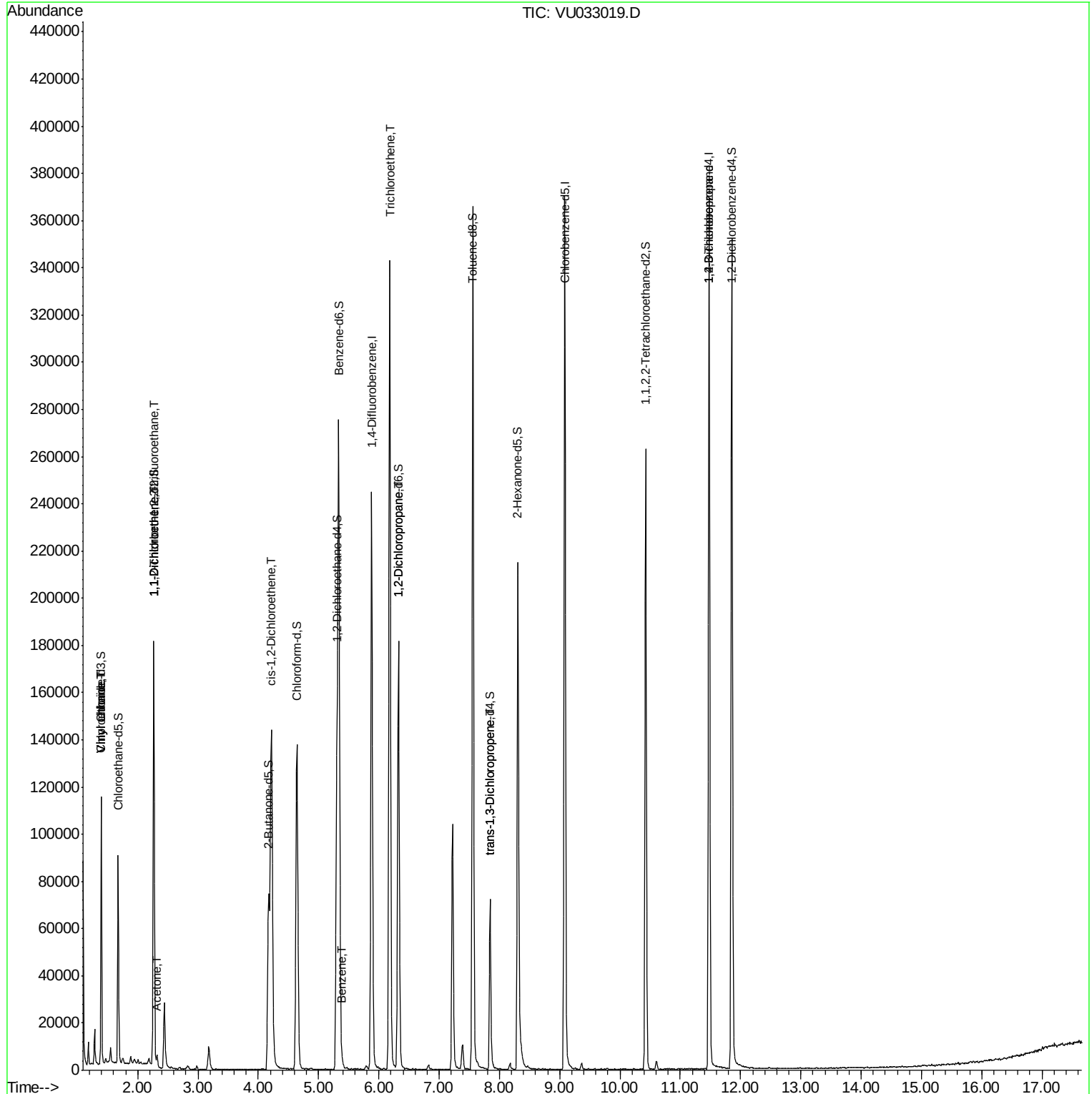
(#) = qualifier out of range (m) = manual integration (+) = signals summed

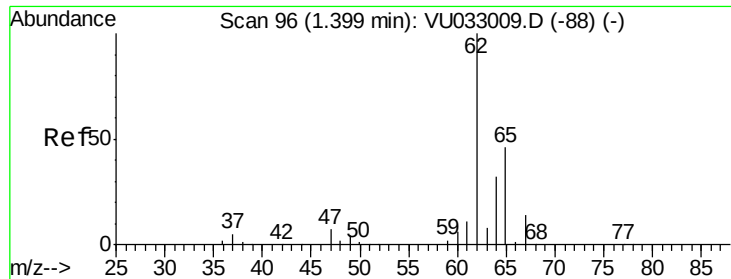
Data File : VU033019.D

```
Acq On       : 24 Jun 2019   20:37
Operator    : JC/SP
Sample      : K3463-03
Misc       : 5.0mL/MSVOA_U/WATER
ALS Vial    : 30   Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
ETF04

Quant Time: Jun 25 06:59:07 2019
Quant Method : Z:\V0ASRV\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: 0.810 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033019.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_U

ClientSampleId :

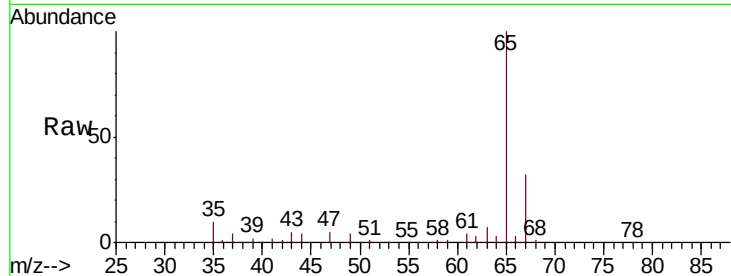
ETF04

Tgt Ion: 62 Resp: 1449

Ion Ratio Lower Upper

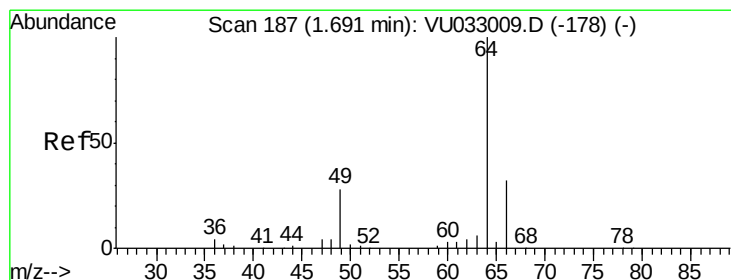
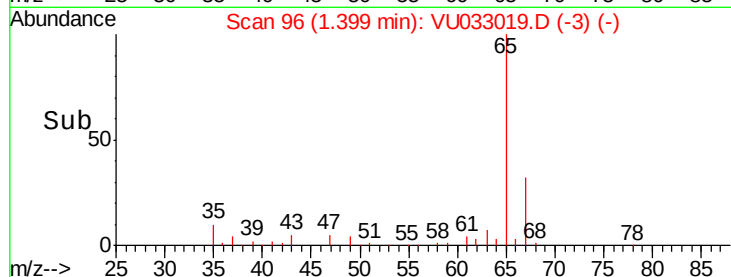
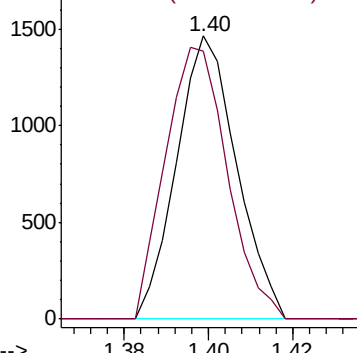
62 100

64 94.6 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 1.396 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU033019.D

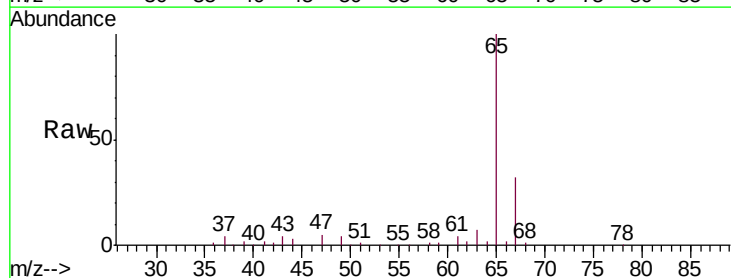
Acq: 24 Jun 2019 20:37

Tgt Ion: 64 Resp: 1437

Ion Ratio Lower Upper

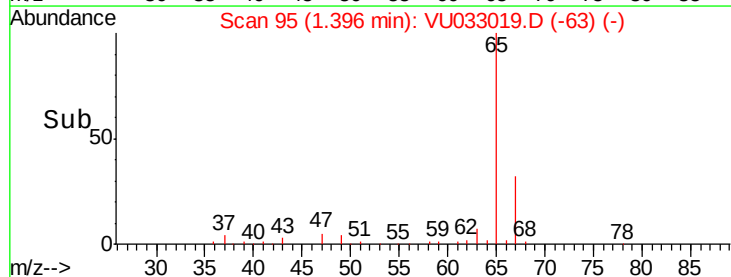
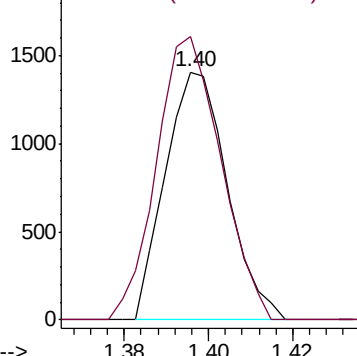
64 100

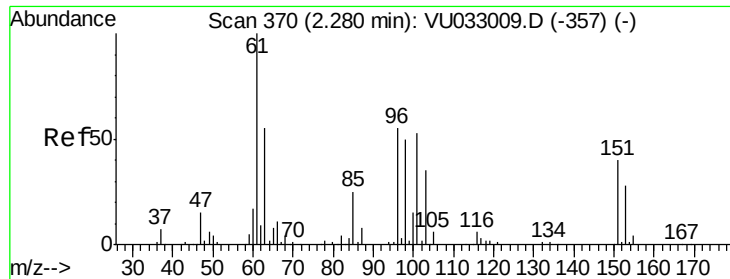
66 114.3 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#10

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

Concen: 0.674 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU033019.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_U

ClientSampleId :

ETF04

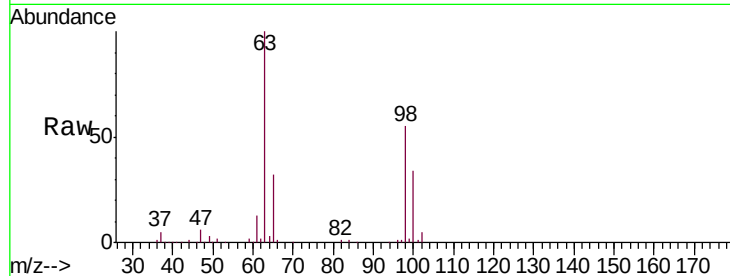
Tgt Ion: 101 Resp: 887

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

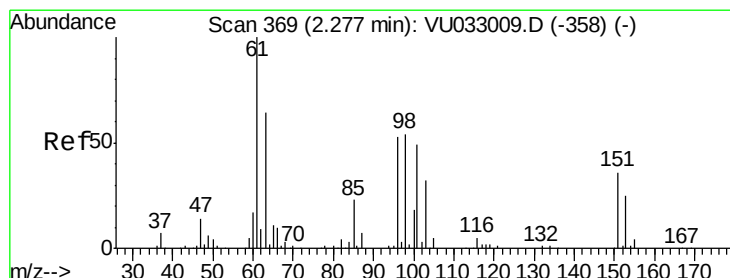
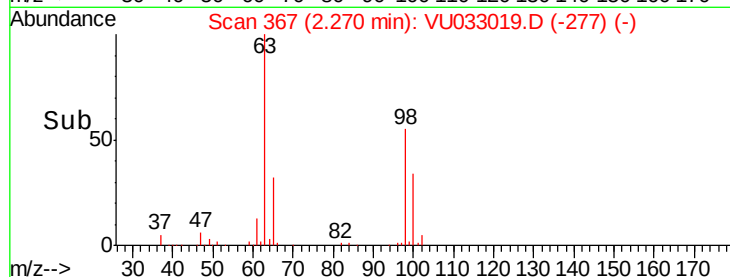
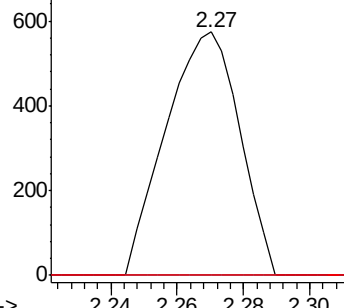
151 0.0 63.6 95.4#



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: 0.706 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU033019.D

Acq: 24 Jun 2019 20:37

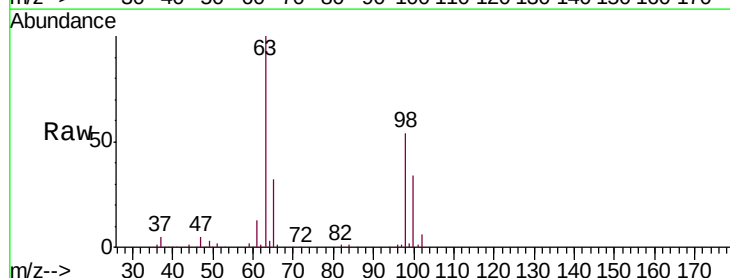
Tgt Ion: 96 Resp: 875

Ion Ratio Lower Upper

96 100

61 1658.8 131.0 243.4#

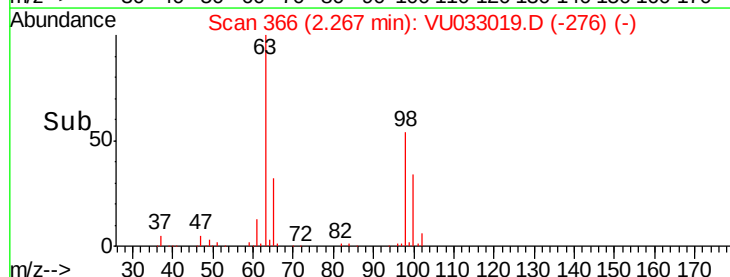
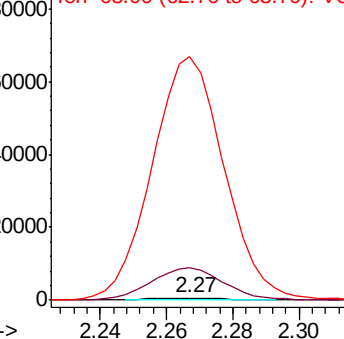
63 12642.7 101.0 187.6#

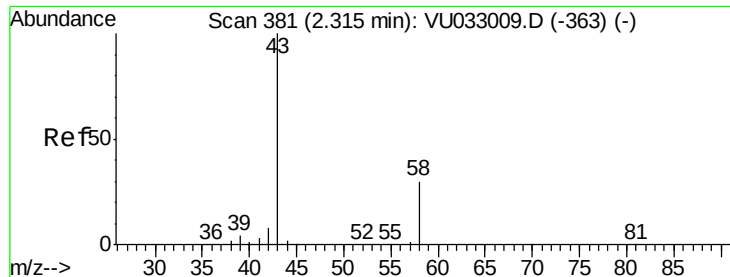


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.117 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033019.D

Acq: 24 Jun 2019 20:37

Instrument :

MSVOA_U

ClientSampleId :

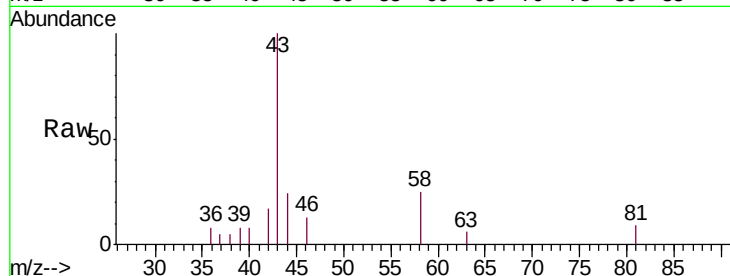
ETF04

Tgt Ion: 43 Resp: 4823

Ion Ratio Lower Upper

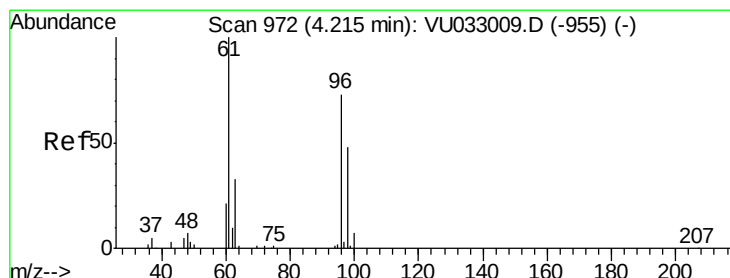
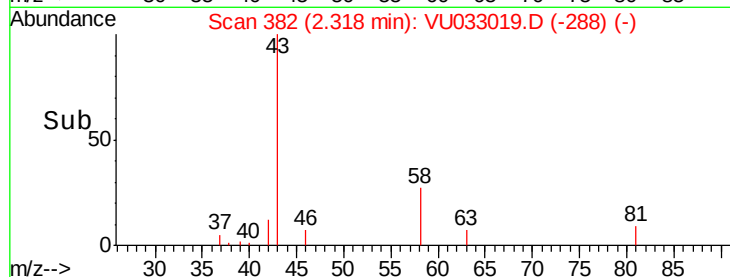
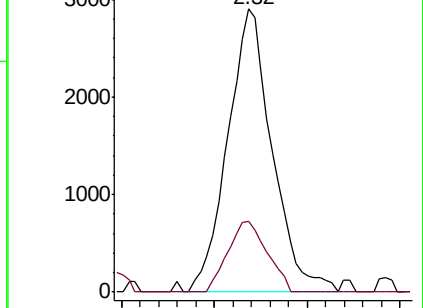
43 100

58 22.0 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: 51.381 ug/L

RT: 4.22 min Scan# 972

Delta R.T. 0.00 min

Lab File: VU033019.D

Acq: 24 Jun 2019 20:37

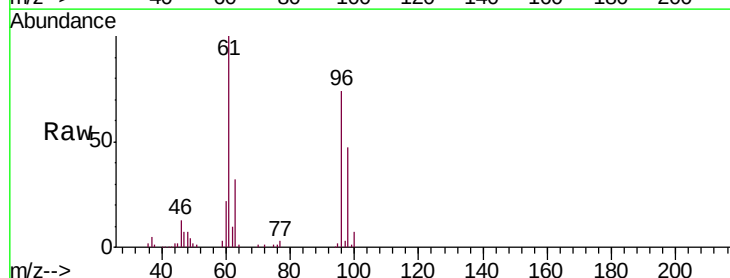
Tgt Ion: 96 Resp: 75268

Ion Ratio Lower Upper

96 100

61 134.3 92.4 171.6

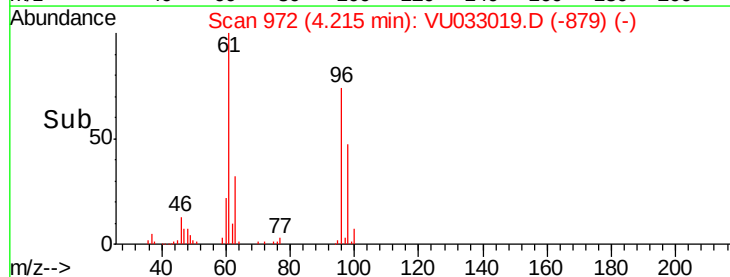
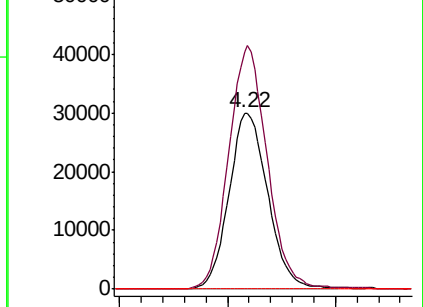
68 0.0 0.0 0.0

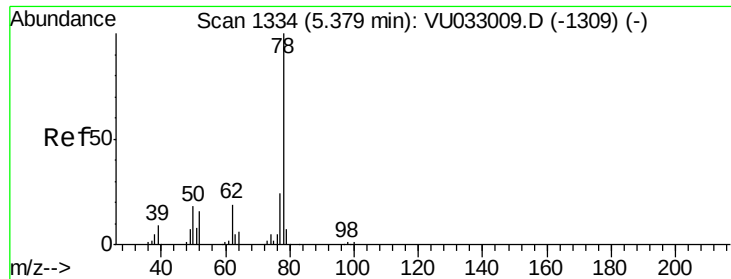


Abundance Ion 96.00 (95.70 to 96.70): VU033009.D (-955) (-)

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

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





#33

Benzene

Concen: 0.393 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VU033019.D

Acq: 24 Jun 2019 20:37

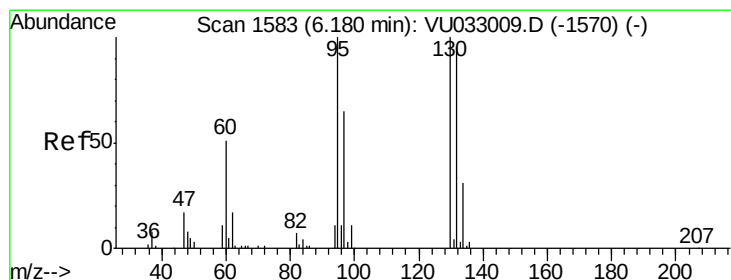
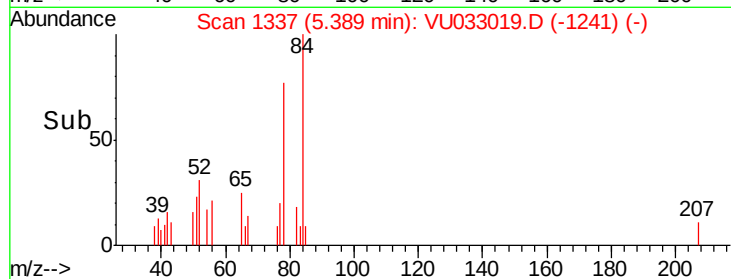
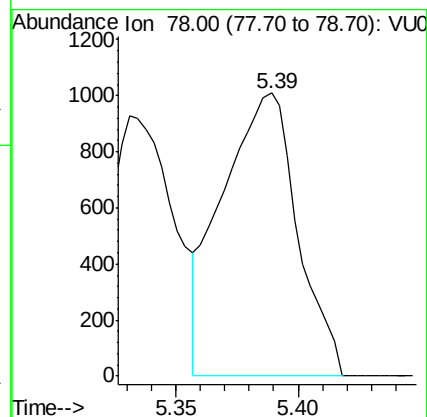
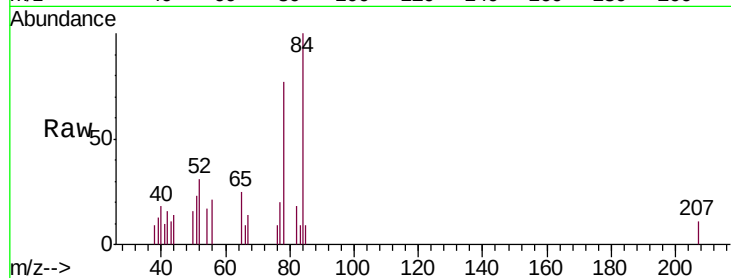
Instrument :

MSVOA_U

ClientSampleId :

ETF04

Tgt Ion: 78 Resp: 2167



#34

Trichloroethene

Concen: 76.068 ug/L

RT: 6.18 min Scan# 1583

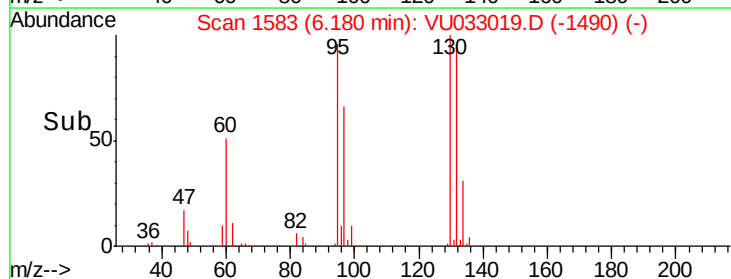
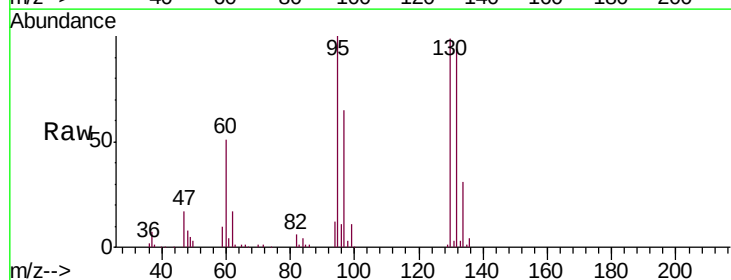
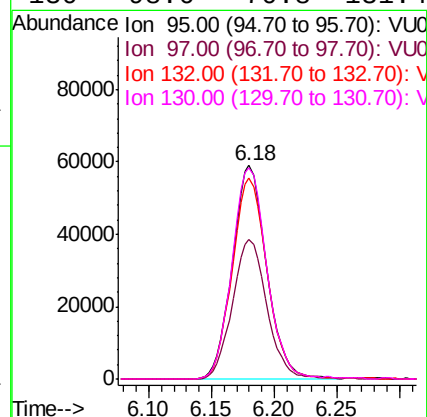
Delta R.T. 0.00 min

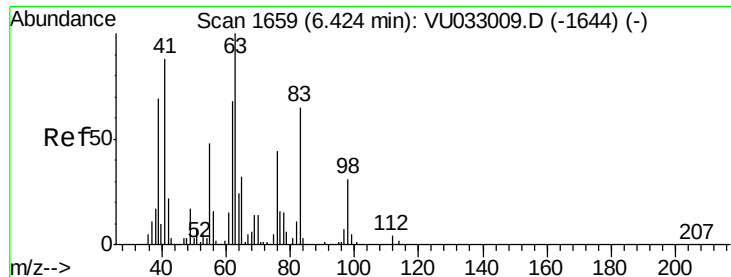
Lab File: VU033019.D

Acq: 24 Jun 2019 20:37

Tgt Ion: 95 Resp: 112115

Ion	Ratio	Lower	Upper
95	100		
97	65.2	45.9	85.3
132	93.9	68.5	127.3
130	98.6	70.8	131.4

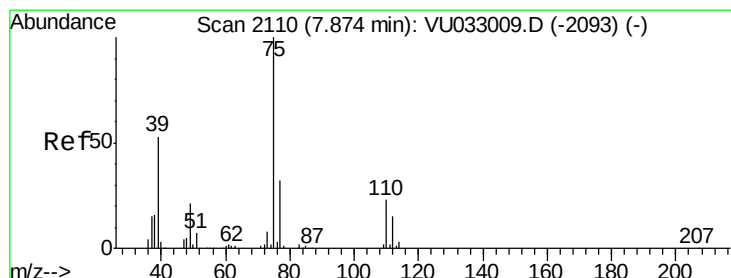
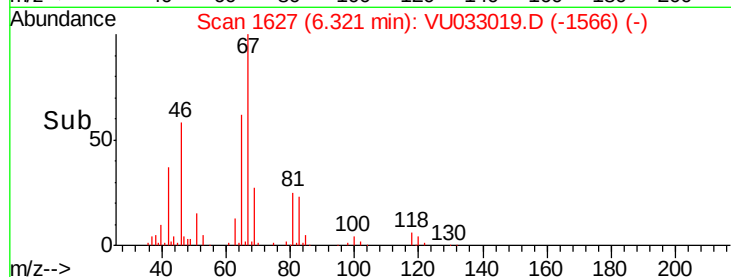
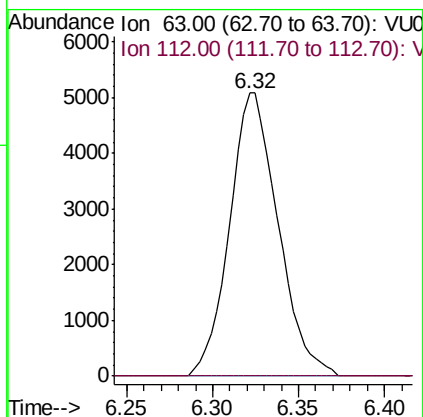
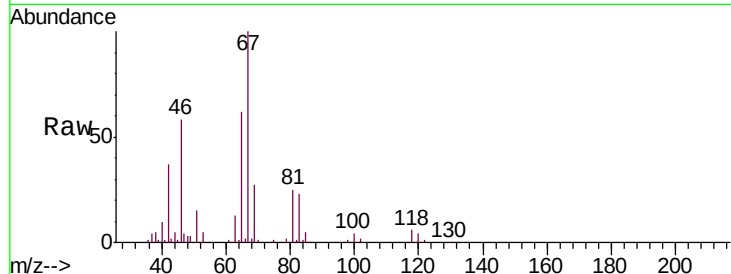




#37
 1,2-Dichloropropane
 Concen: 6.578 ug/L
 RT: 6.32 min Scan# 1627
 Delta R.T. -0.10 min
 Lab File: VU033019.D
 Acq: 24 Jun 2019 20:37

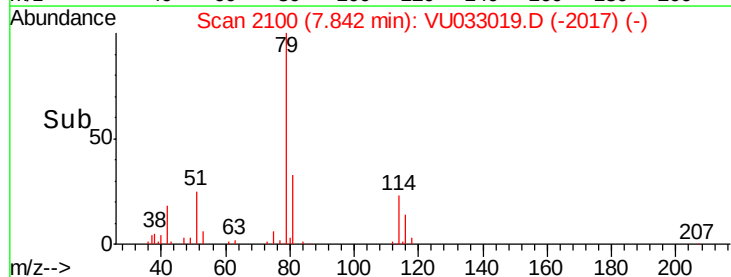
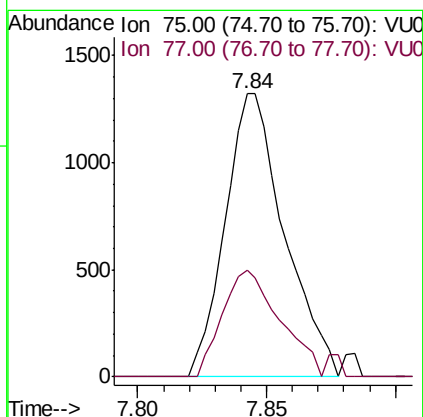
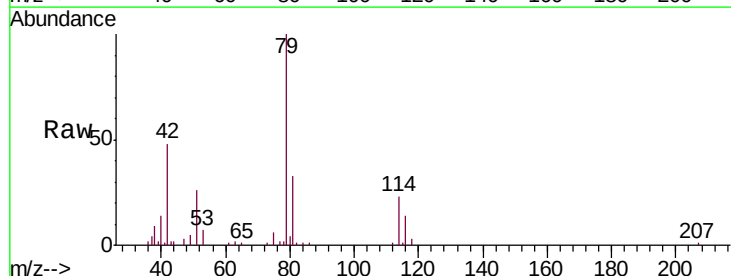
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF04

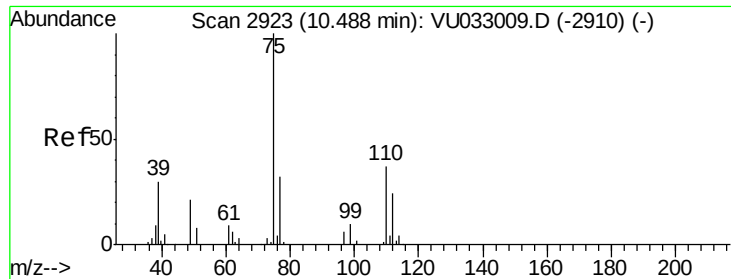
Tgt Ion: 63 Resp: 9954
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.955 ug/L
 RT: 7.84 min Scan# 2100
 Delta R.T. -0.03 min
 Lab File: VU033019.D
 Acq: 24 Jun 2019 20:37

Tgt Ion: 75 Resp: 2114
 Ion Ratio Lower Upper
 75 100
 77 37.5 21.8 40.4





#59
 1,2,3-Trichloropropane
 Concen: 5.978 ug/L
 RT: 11.48 min Scan# 3230
 Delta R.T. 0.99 min
 Lab File: VU033019.D
 Acq: 24 Jun 2019 20:37

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF04

Tgt Ion: 75 Resp: 12071
 Ion Ratio Lower Upper
 75 100
 77 37.9 25.5 38.3

