

Data File : VU033021.D
Acq On : 24 Jun 2019 21:23
Operator : JC/SP
Sample : K3463-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF06

Quant Time: Jun 25 06:59:26 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	189932	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	187532	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	89605	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	60195	46.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.74%
7) Chloroethane-d5	1.68	69	52114	50.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.68%
11) 1,1-Dichloroethene-d2	2.27	63	95390	36.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.96%
21) 2-Butanone-d5	4.17	46	123590	114.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.40%
24) Chloroform-d	4.64	84	127963	50.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.42%
26) 1,2-Dichloroethane-d4	5.30	65	90843	54.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.10%
32) Benzene-d6	5.33	84	251438	51.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.86%
36) 1,2-Dichloropropane-d6	6.32	67	81029	52.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.06%
41) Toluene-d8	7.56	98	227209	49.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.26%
43) trans-1,3-Dichloropropene-	7.85	79	38831	47.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.86%
47) 2-Hexanone-d5	8.31	63	71620	98.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.49%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	117997	49.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.02%
64) 1,2-Dichlorobenzene-d4	11.85	152	89467	51.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

					Qvalue
8) Chloroethane	1.40	64	1104	1.112 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	822	0.648 ug/L #	17
12) 1,1-Dichloroethene	2.27	96	712	0.595 ug/L #	1
20) cis-1,2-Dichloroethene	4.22	96	15219	10.771 ug/L	88
34) Trichloroethene	6.18	95	2101	1.456 ug/L	88
37) 1,2-Dichloropropane	6.32	63	9617	6.490 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	1429	0.619 ug/L #	60
44) trans-1,3-Dichloropropene	7.85	75	1989	0.917 ug/L	89
46) Tetrachloroethene	8.22	164	776	0.656 ug/L #	69
59) 1,2,3-Trichloropropane	11.48	75	11457	5.793 ug/L #	87

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

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```
ALS Vial      : 32      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
ETF06

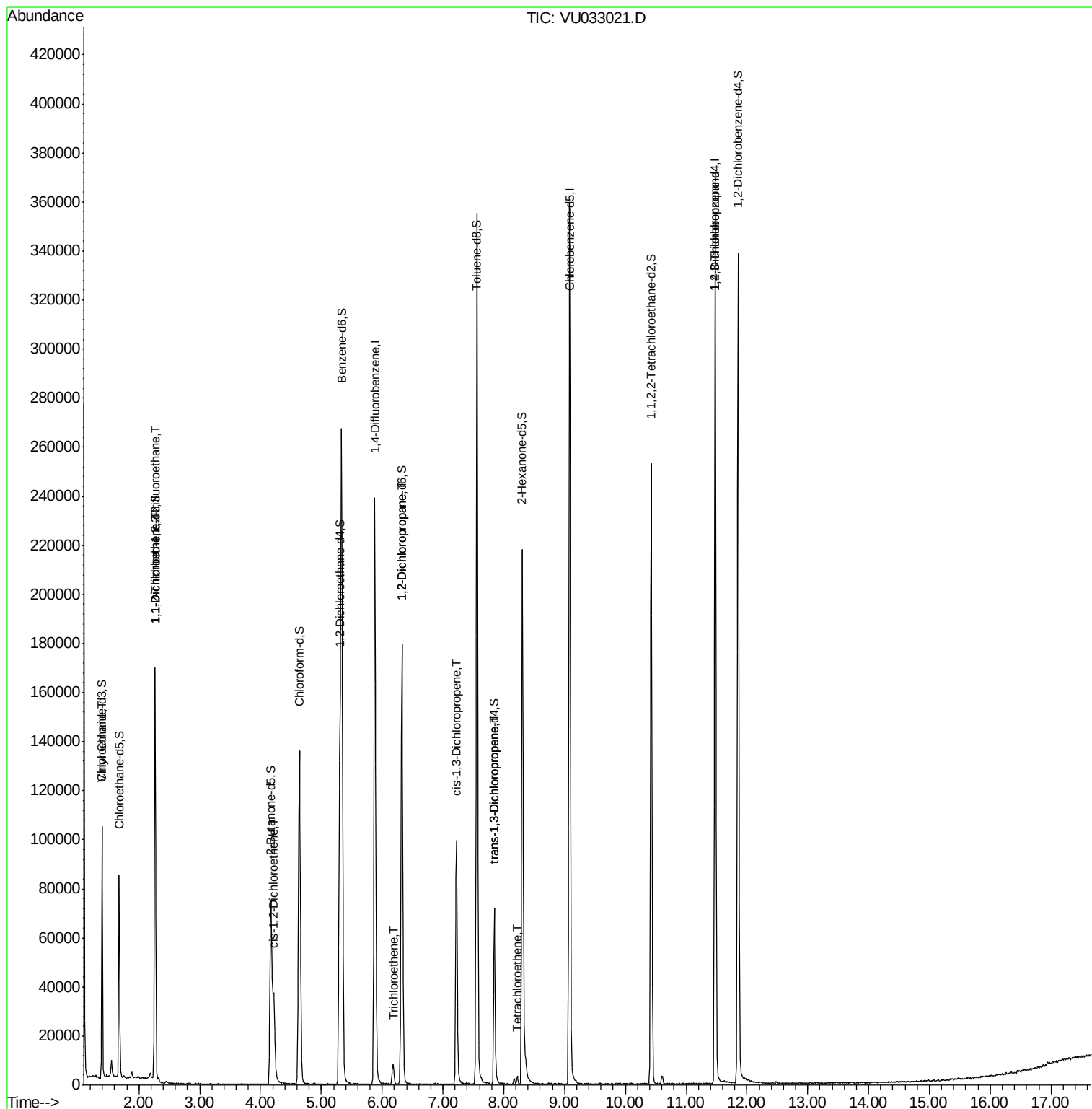
Quant Time: Jun 25 06:59:26 2019

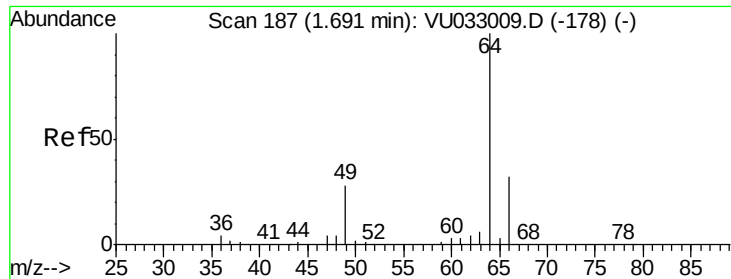
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM061719WMA.M

Quant Title : VOC Analysis

QLast Update : Tue Jun 25 06:54:49 2019

Response via : Initial Calibration

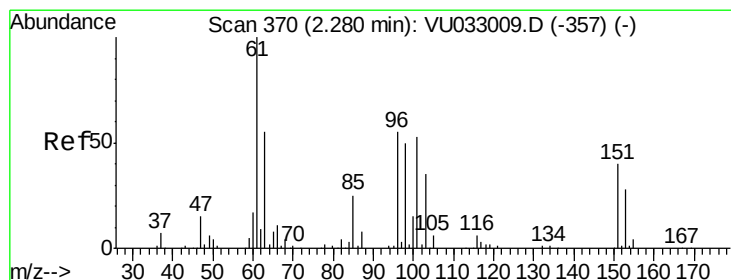
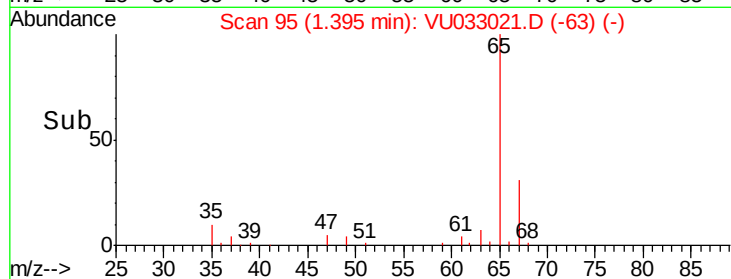
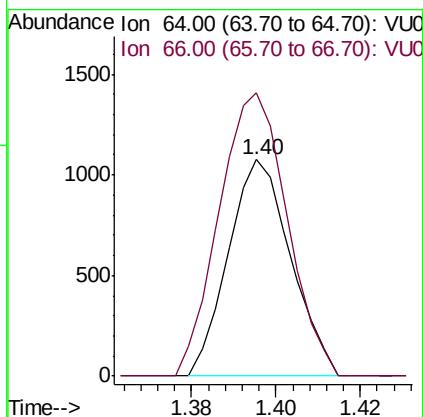
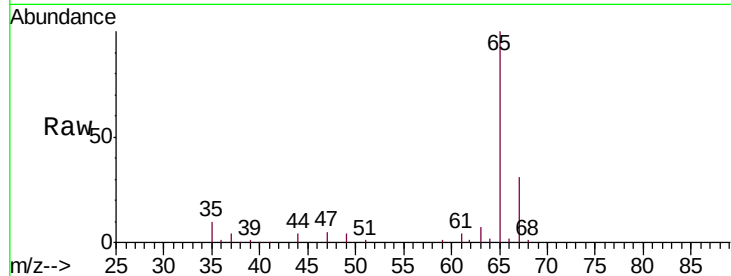




#8
 Chloroethane
 Concen: 1.112 ug/L
 RT: 1.40 min Scan# 95
 Delta R.T. -0.30 min
 Lab File: VU033021.D
 Acq: 24 Jun 2019 21:23

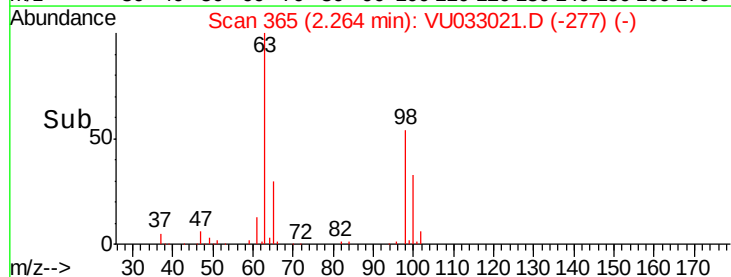
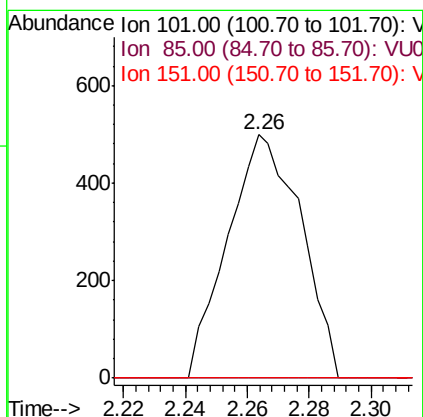
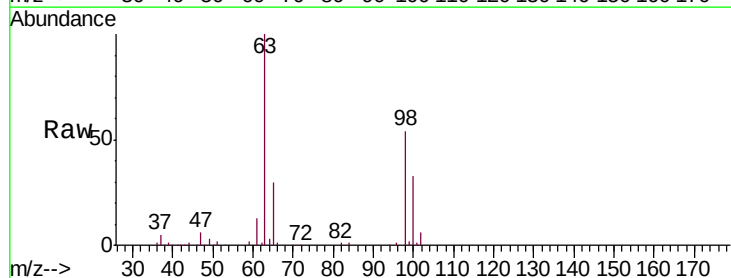
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF06

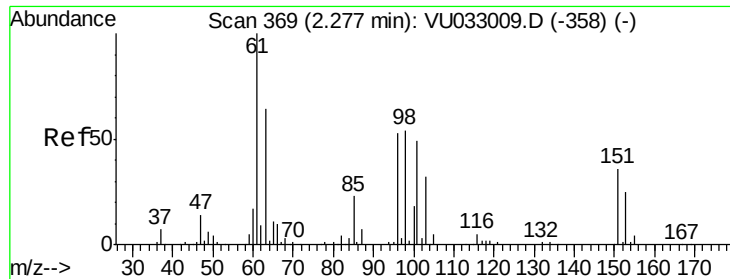
Tgt Ion: 64 Resp: 1104
 Ion Ratio Lower Upper
 64 100
 66 130.8 22.5 41.7#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.648 ug/L
 RT: 2.26 min Scan# 365
 Delta R.T. -0.02 min
 Lab File: VU033021.D
 Acq: 24 Jun 2019 21:23

Tgt Ion: 101 Resp: 822
 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: 0.595 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU033021.D

Acq: 24 Jun 2019 21:23

Instrument :

MSVOA_U

ClientSampleId :

ETF06

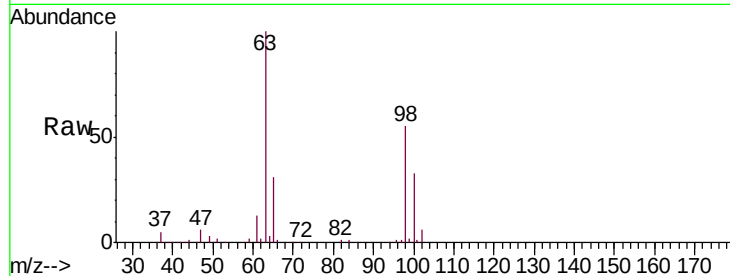
Tgt Ion: 96 Resp: 712

Ion Ratio Lower Upper

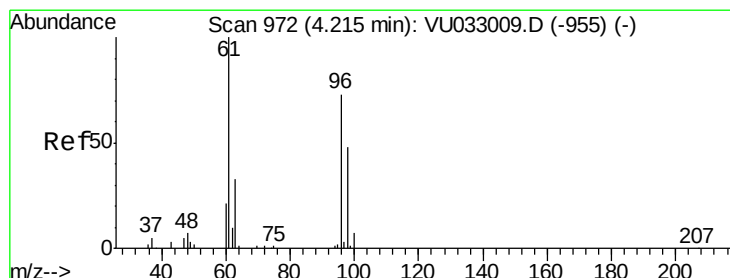
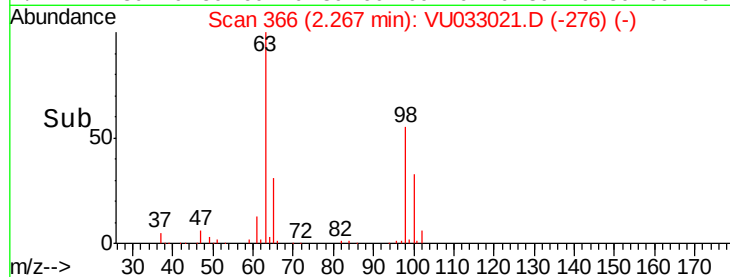
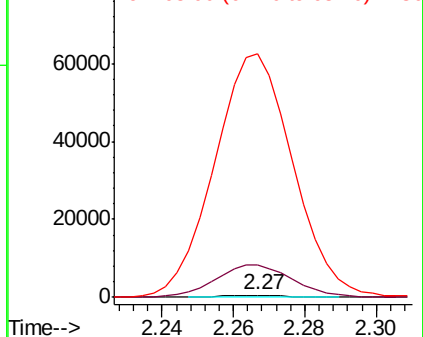
96 100

61 1475.2 131.0 243.4#

63 11152.9 101.0 187.6#



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



#20

cis-1,2-Dichloroethene

Concen: 10.771 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU033021.D

Acq: 24 Jun 2019 21:23

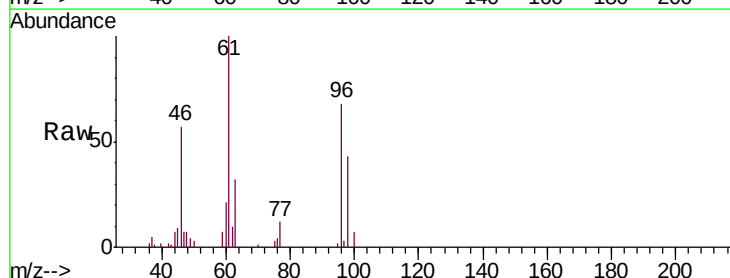
Tgt Ion: 96 Resp: 15219

Ion Ratio Lower Upper

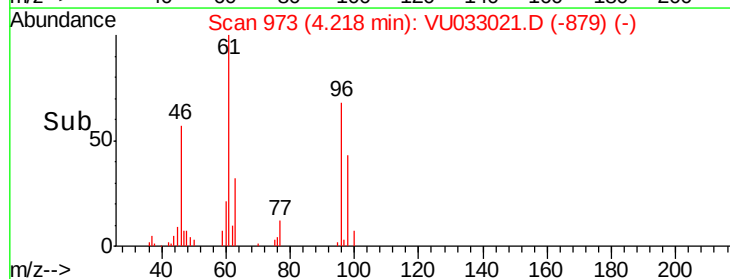
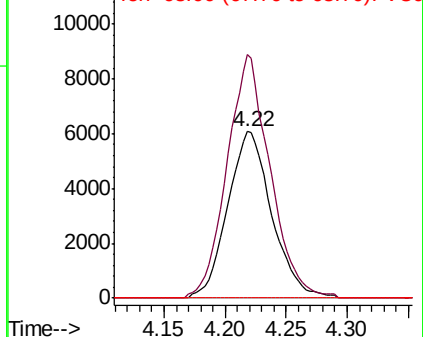
96 100

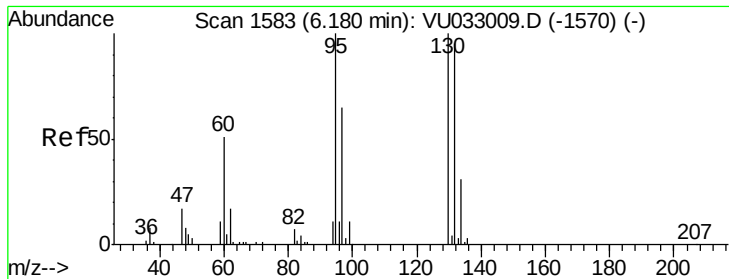
61 146.1 92.4 171.6

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





#34

Trichloroethene

Concen: 1.456 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU033021.D

Acq: 24 Jun 2019 21:23

Instrument :

MSVOA_U

ClientSampleId :

ETF06

Tgt Ion: 95 Resp: 2101

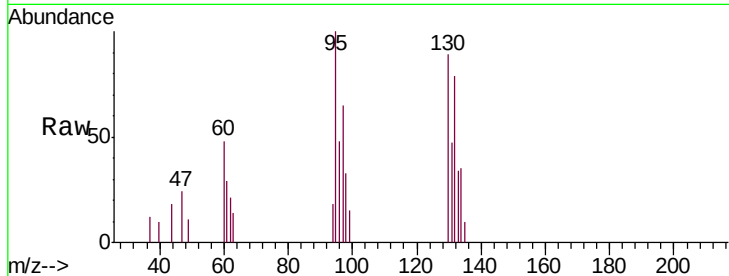
Ion Ratio Lower Upper

95 100

97 65.1 45.9 85.3

132 78.6 68.5 127.3

130 88.9 70.8 131.4

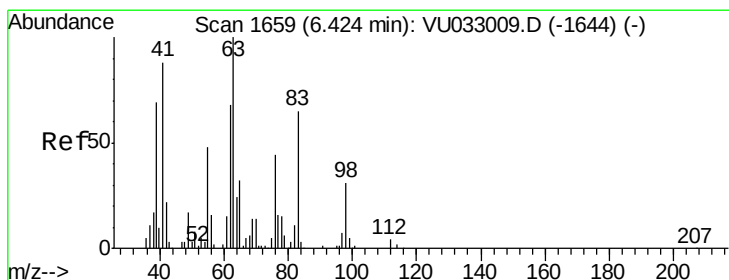
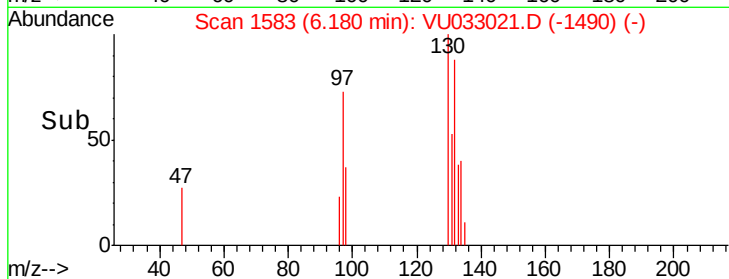
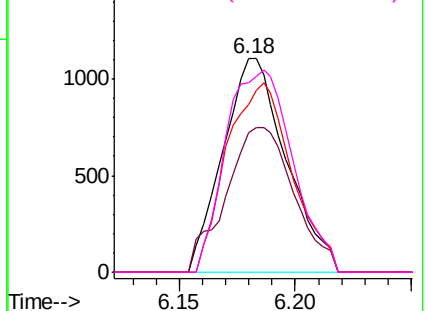


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 6.490 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU033021.D

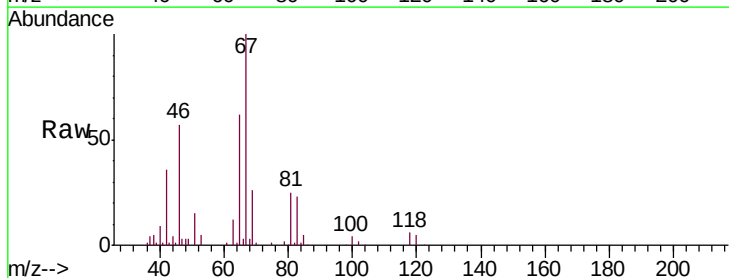
Acq: 24 Jun 2019 21:23

Tgt Ion: 63 Resp: 9617

Ion Ratio Lower Upper

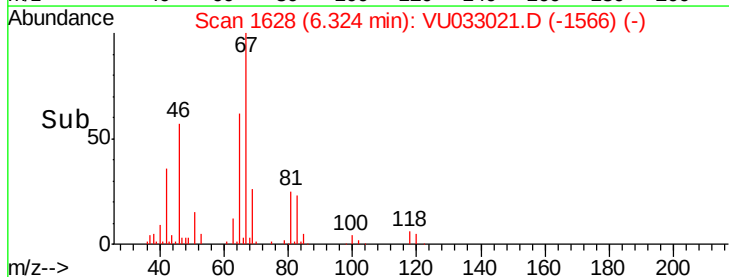
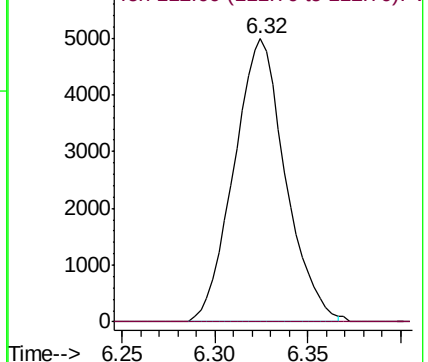
63 100

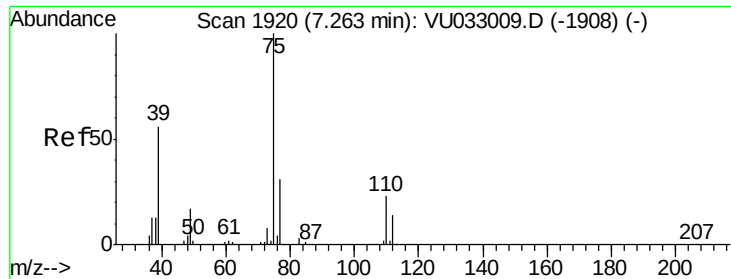
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

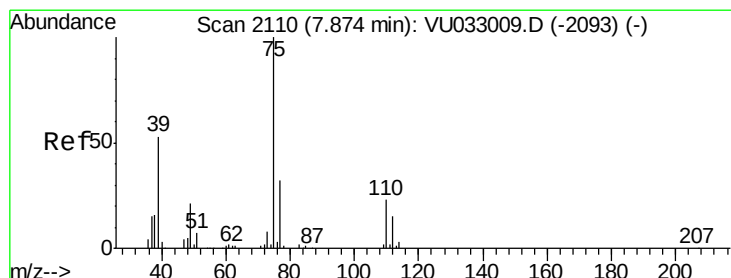
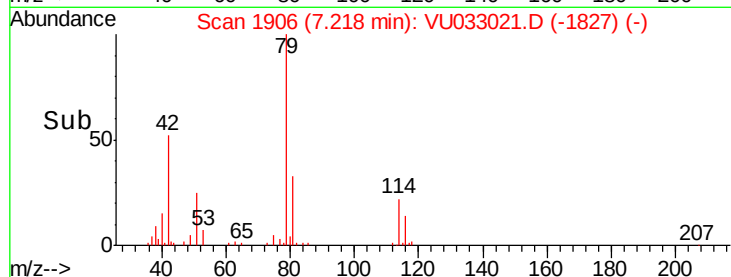
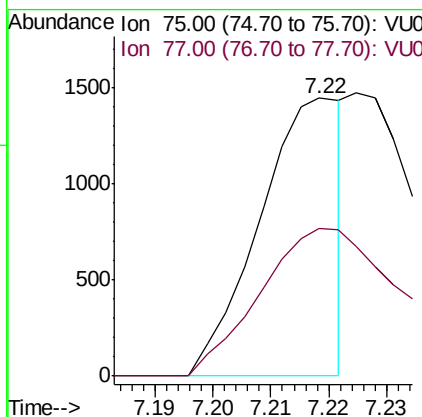
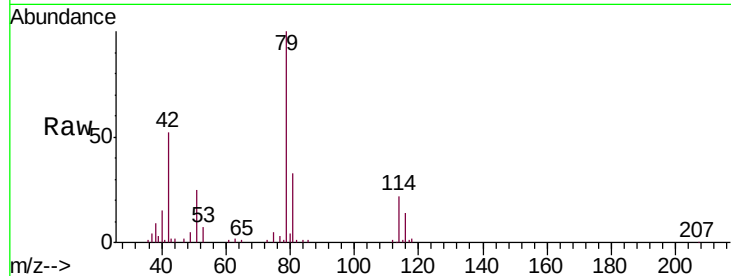




#39
 cis-1,3-Dichloropropene
 Concen: 0.619 ug/L
 RT: 7.22 min Scan# 1906
 Delta R.T. -0.05 min
 Lab File: VU033021.D
 Acq: 24 Jun 2019 21:23

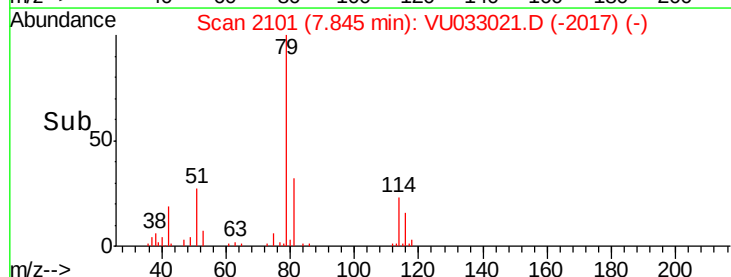
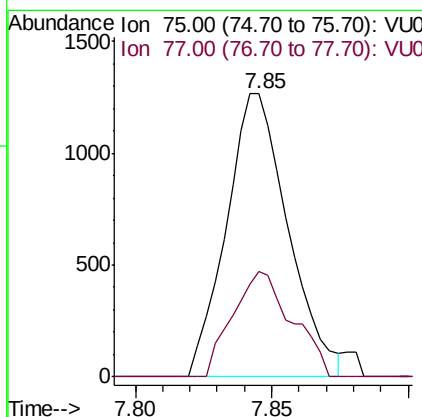
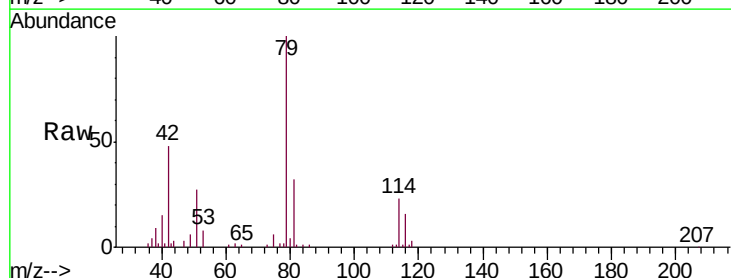
Instrument :
 MSVOA_U
 ClientSampled :
 ETF06

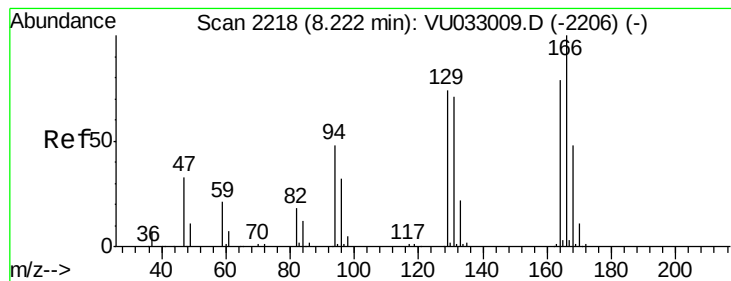
Tgt Ion: 75 Resp: 1429
 Ion Ratio Lower Upper
 75 100
 77 53.2 21.9 40.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.917 ug/L
 RT: 7.85 min Scan# 2101
 Delta R.T. -0.03 min
 Lab File: VU033021.D
 Acq: 24 Jun 2019 21:23

Tgt Ion: 75 Resp: 1989
 Ion Ratio Lower Upper
 75 100
 77 37.3 21.8 40.4





#46

Tetrachloroethene

Concen: 0.656 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU033021.D

Acq: 24 Jun 2019 21:23

Instrument :

MSVOA_U

ClientSampleId :

ETF06

Tgt Ion:164 Resp: 776

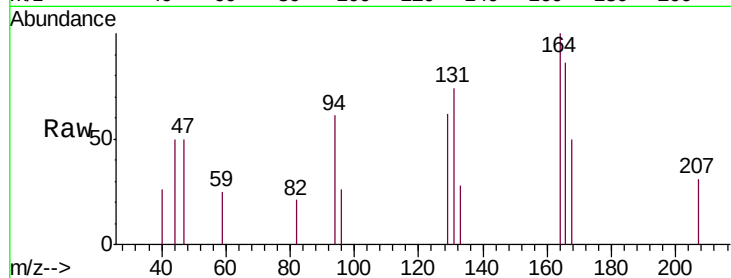
Ion Ratio Lower Upper

164 100

129 62.3 64.8 120.3#

131 74.2 64.5 119.7

166 85.9 91.3 169.6#



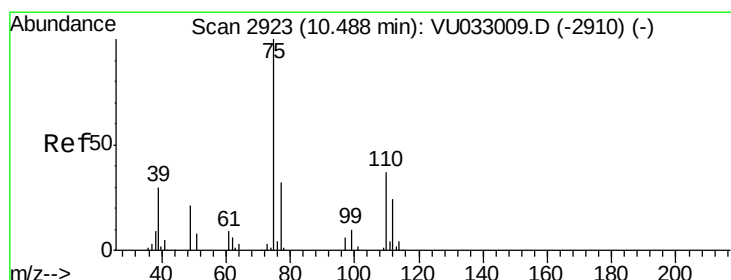
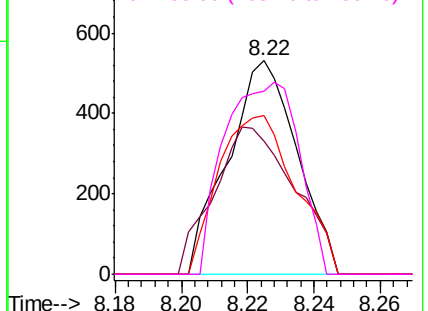
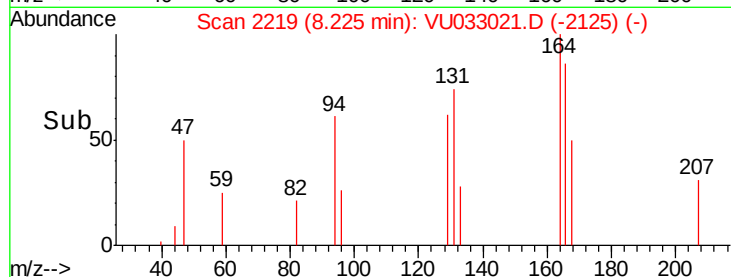
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 5.793 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU033021.D

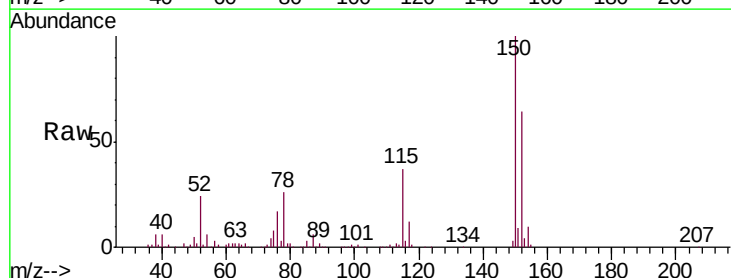
Acq: 24 Jun 2019 21:23

Tgt Ion: 75 Resp: 11457

Ion Ratio Lower Upper

75 100

77 39.0 25.5 38.3#



Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

