

Data File : VU032666.D
Acq On : 12 Jun 2019 20:42
Operator : JC/SP
Sample : K3313-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
COLY8

Quant Time: Jun 13 06:02:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 13 05:57:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	174235	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	166046	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	80439	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	51185	45.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.56%
7) Chloroethane-d5	1.68	69	42009	46.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.48%
11) 1,1-Dichloroethene-d2	2.27	63	77585	35.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.10%
21) 2-Butanone-d5	4.17	46	89752	94.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.88%
24) Chloroform-d	4.64	84	99253	47.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.16%
26) 1,2-Dichloroethane-d4	5.31	65	65979	49.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.36%
32) Benzene-d6	5.34	84	198057	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.90%
36) 1,2-Dichloropropane-d6	6.32	67	63554	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.04%
41) Toluene-d8	7.56	98	178860	43.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.52%
43) trans-1,3-Dichloropropene-	7.85	79	28458	43.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.98%
47) 2-Hexanone-d5	8.31	63	54027	82.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.40%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	87111	44.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.96%
64) 1,2-Dichlorobenzene-d4	11.85	152	73520	47.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.44%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	615	0.578 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	820	0.793 ug/L #	1
13) Acetone	2.32	43	2489	2.550 ug/L	99
25) Chloroform	4.67	83	1337	0.634 ug/L	81
34) Trichloroethene	6.19	95	3803	2.996 ug/L	95
35) Methylcyclohexane	6.33	83	14536	7.074 ug/L #	19
37) 1,2-Dichloropropane	6.32	63	7060	5.709 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2046	1.049 ug/L #	62
44) trans-1,3-Dichloropropene	7.85	75	1295	0.748 ug/L #	83
48) 2-Hexanone	8.36	43	4152	2.541 ug/L #	66
59) 1,2,3-Trichloropropane	11.48	75	9780	6.083 ug/L	90

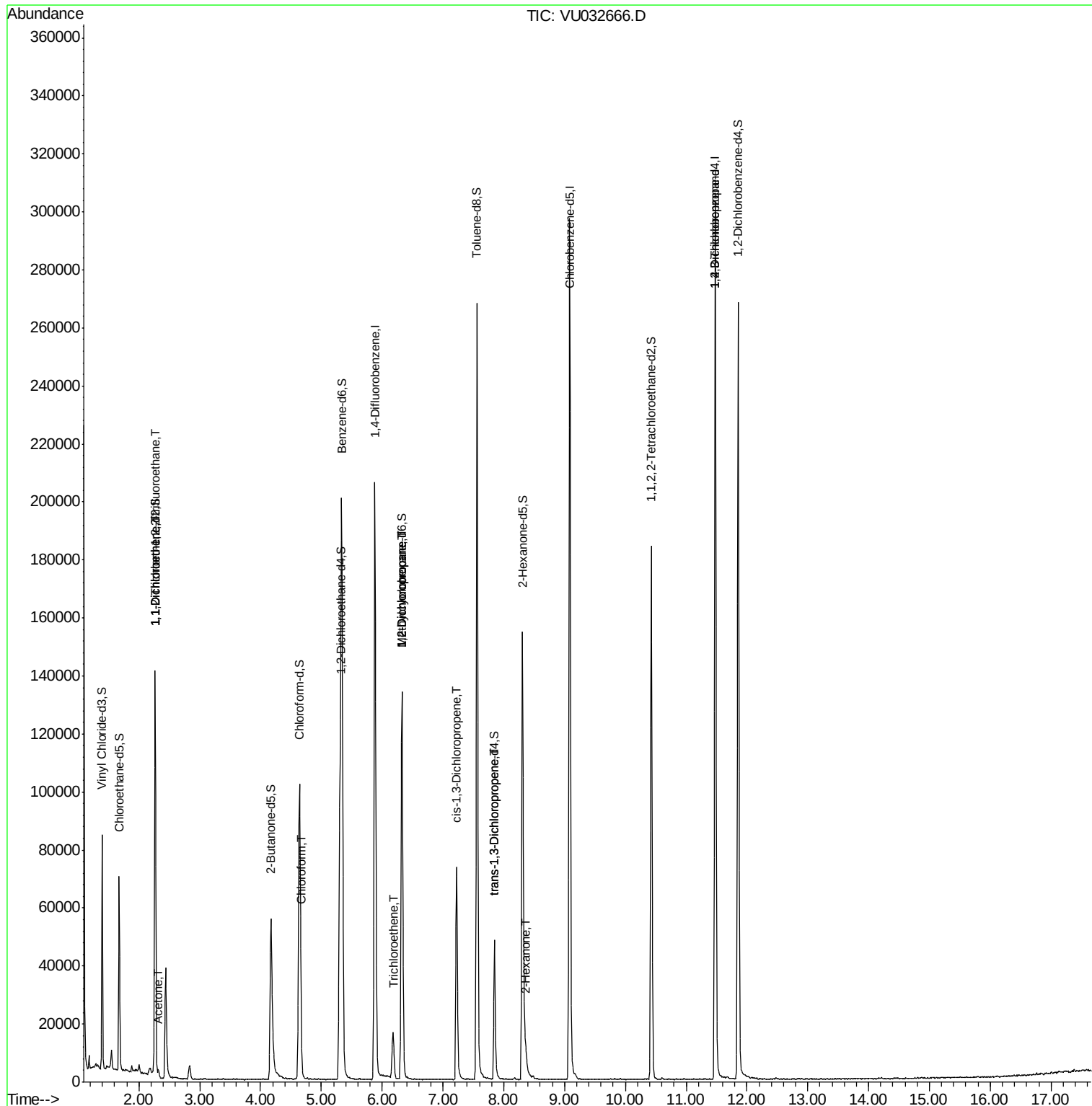
(#) = qualifier out of range (m) = manual integration (+) = signals summed

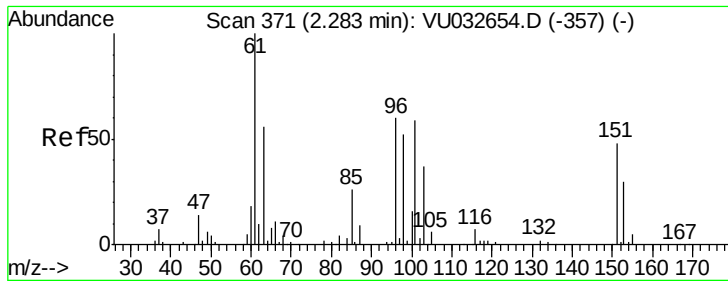
Data File : VU032666.D

```
Acq On       : 12 Jun 2019   20:42
Operator     : JC/SP
Sample       : K3313-08
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ALS Vial     : 31      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
C0LY8

Quant Time: Jun 13 06:02:27 2019
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 13 05:57:37 2019
Response via : Initial Calibration





#10

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

Concen: 0.578 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU032666.D

Acq: 12 Jun 2019 20:42

Instrument :

MSVOA_U

ClientSampleId :

C0LY8

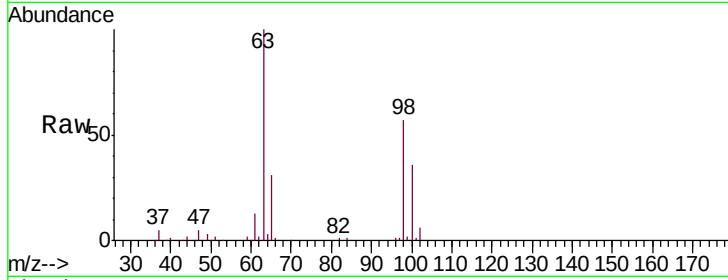
Tgt Ion:101 Resp: 615

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

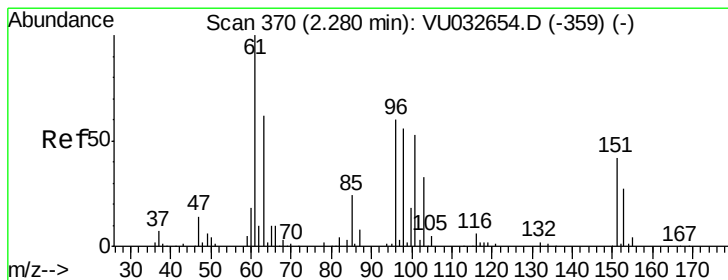
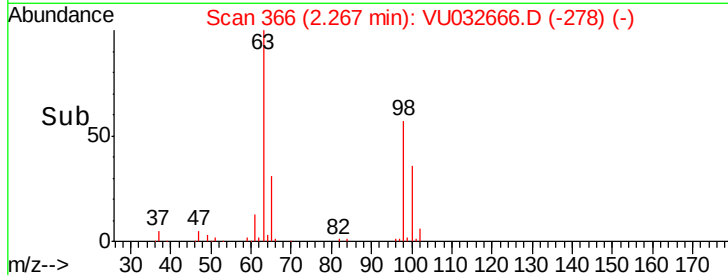
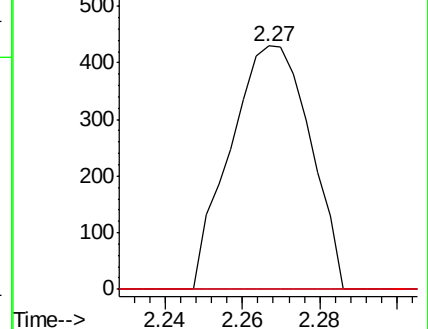
151 0.0 63.0 94.4#



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: 0.793 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032666.D

Acq: 12 Jun 2019 20:42

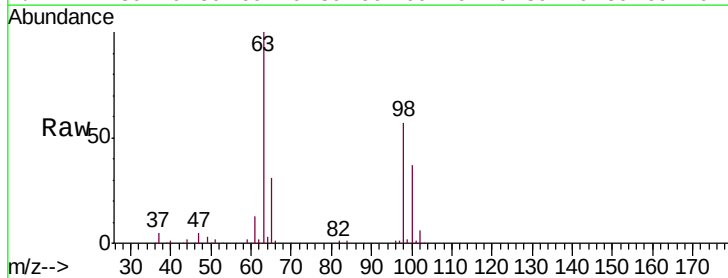
Tgt Ion: 96 Resp: 820

Ion Ratio Lower Upper

96 100

61 1257.3 129.5 240.5#

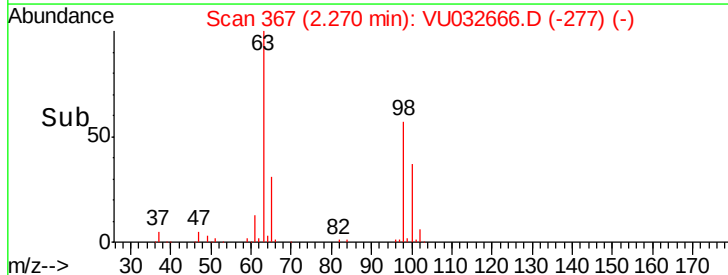
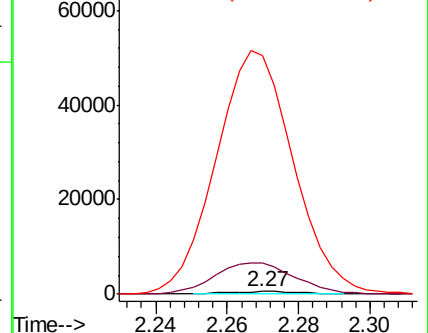
63 9811.3 103.4 192.0#

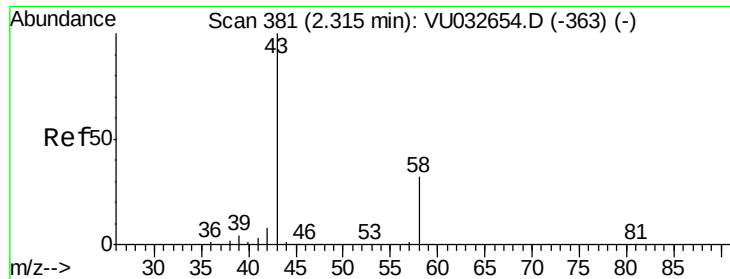


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.550 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032666.D

Acq: 12 Jun 2019 20:42

Instrument :

MSVOA_U

ClientSampled :

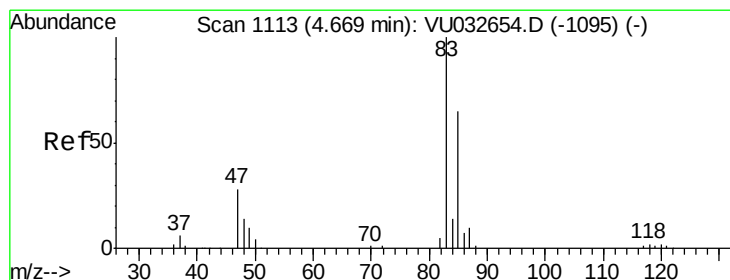
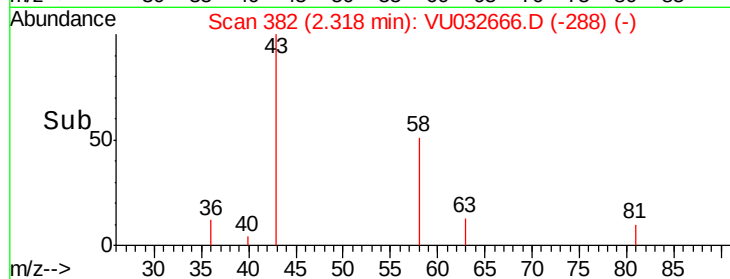
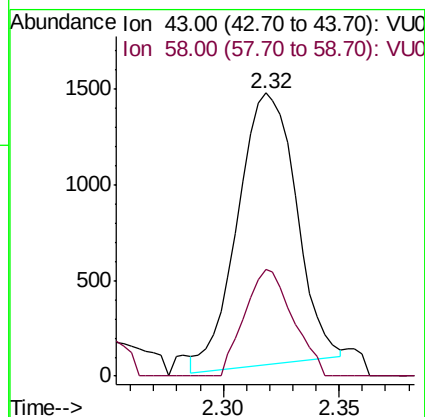
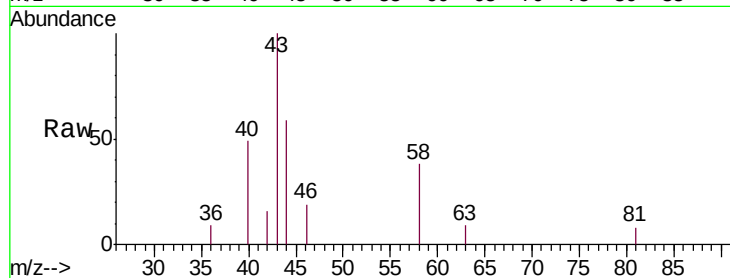
C0LY8

Tgt Ion: 43 Resp: 2489

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.0



#25

Chloroform

Concen: 0.634 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU032666.D

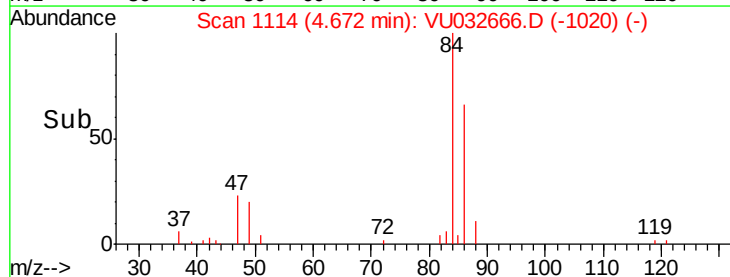
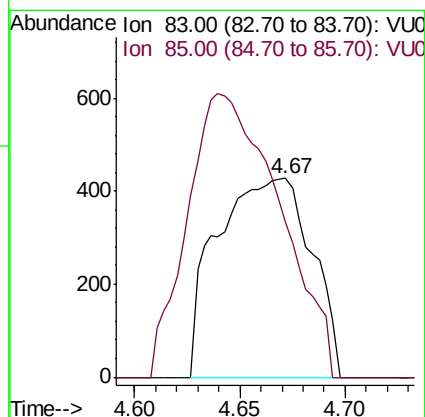
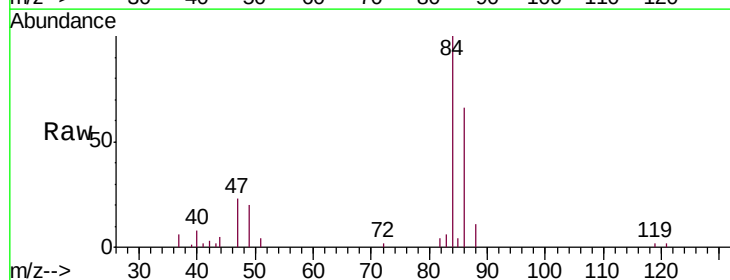
Acq: 12 Jun 2019 20:42

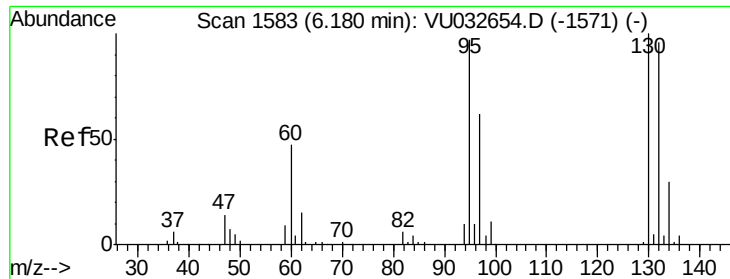
Tgt Ion: 83 Resp: 1337

Ion Ratio Lower Upper

83 100

85 78.3 44.7 82.9





#34

Trichloroethene

Concen: 2.996 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU032666.D

Acq: 12 Jun 2019 20:42

Instrument :

MSVOA_U

ClientSampleID :

C0LY8

Tgt Ion: 95 Resp: 3803

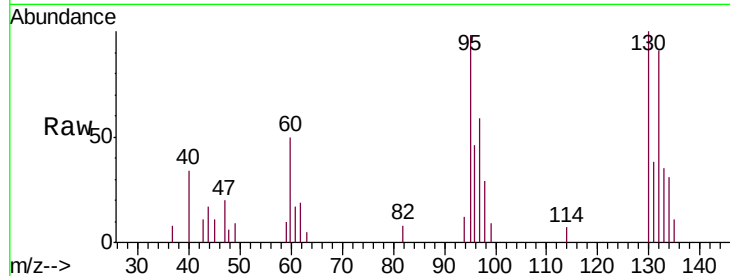
Ion Ratio Lower Upper

95 100

97 60.8 45.8 85.2

132 93.1 71.0 131.8

130 102.2 73.4 136.2

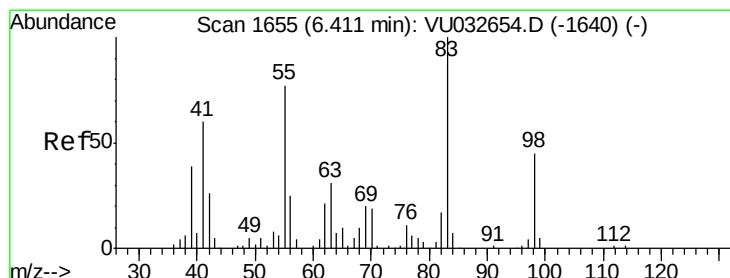
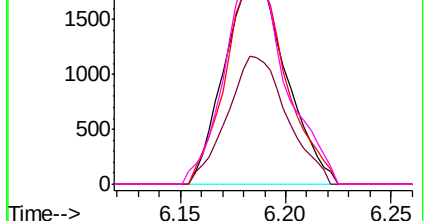
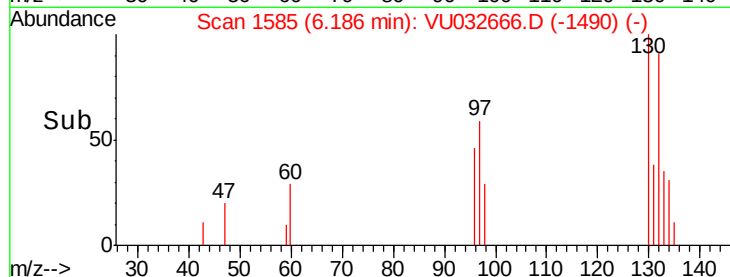


Abundance Ion 95.00 (94.70 to 95.70): VU032666.D (-1490) (-)

Ion 97.00 (96.70 to 97.70): VU032666.D (-1490) (-)

Ion 132.00 (131.70 to 132.70): VU032666.D (-1490) (-)

Ion 130.00 (129.70 to 130.70): VU032666.D (-1490) (-)



#35

Methylcyclohexane

Concen: 7.074 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU032666.D

Acq: 12 Jun 2019 20:42

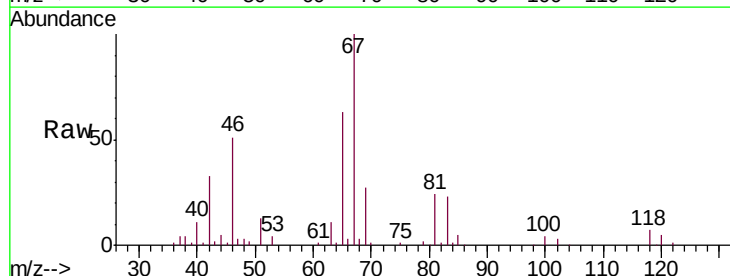
Tgt Ion: 83 Resp: 14536

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.4#

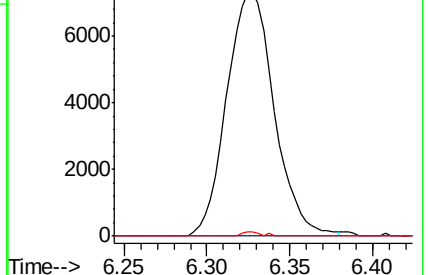
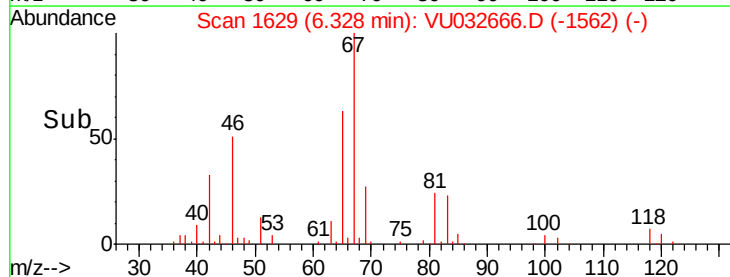
98 0.6 37.4 56.2#

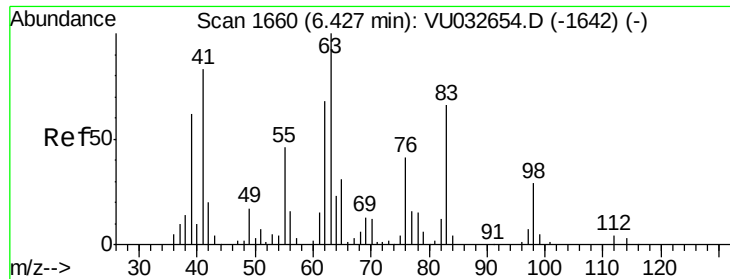


Abundance Ion 83.00 (82.70 to 83.70): VU032666.D (-1562) (-)

Ion 55.00 (54.70 to 55.70): VU032666.D (-1562) (-)

Ion 98.00 (97.70 to 98.70): VU032666.D (-1562) (-)

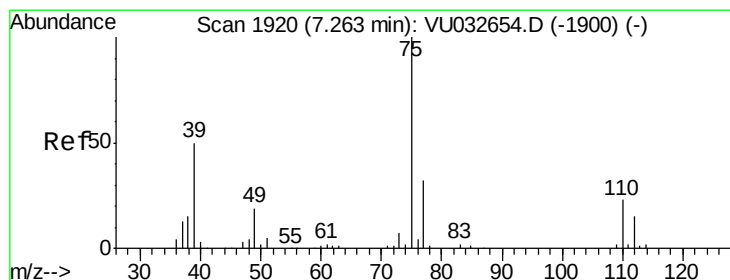
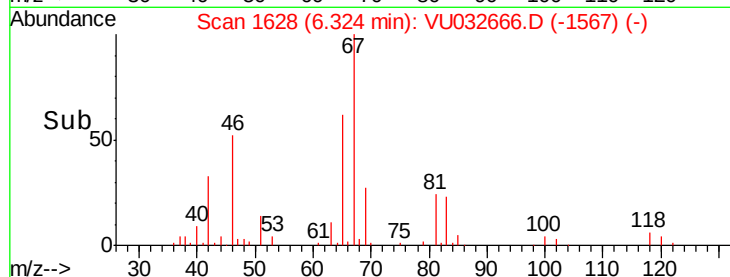
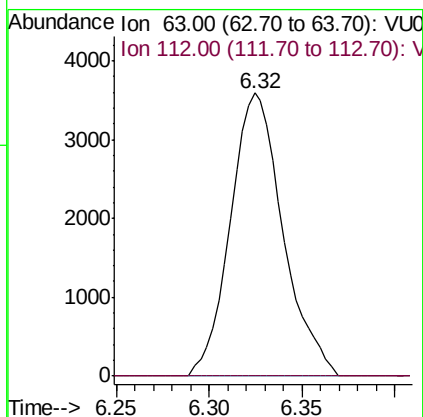
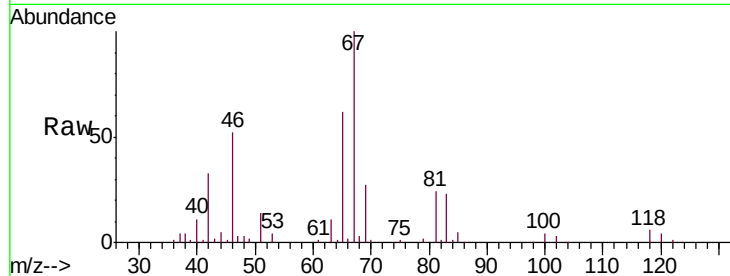




#37
 1,2-Dichloropropane
 Concen: 5.709 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032666.D
 Acq: 12 Jun 2019 20:42

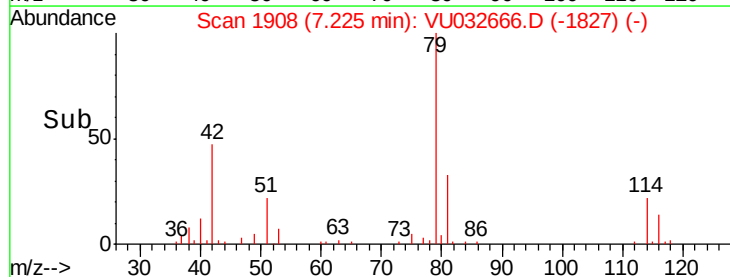
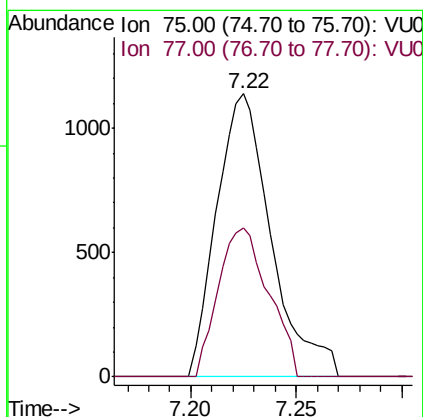
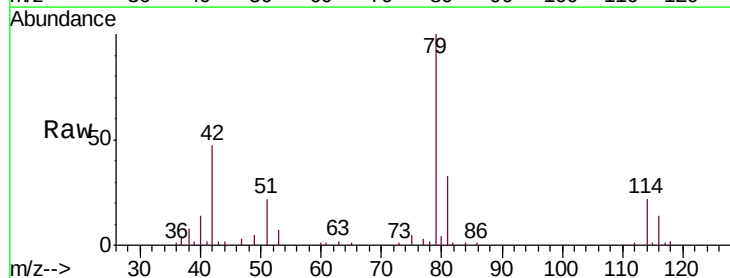
Instrument :
 MSVOA_U
 ClientSampled :
 COLY8

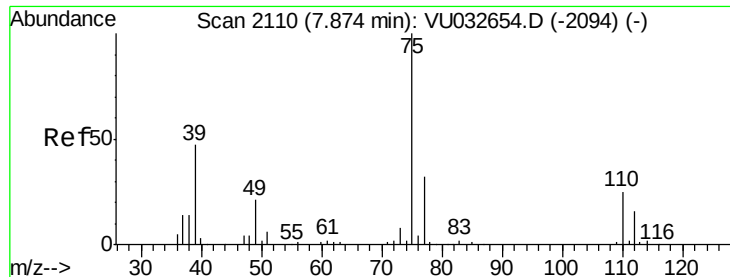
Tgt Ion: 63 Resp: 7060
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.049 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032666.D
 Acq: 12 Jun 2019 20:42

Tgt Ion: 75 Resp: 2046
 Ion Ratio Lower Upper
 75 100
 77 52.8 22.0 41.0#





#44

trans-1,3-Dichloropropene

Concen: 0.748 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032666.D

Acq: 12 Jun 2019 20:42

Instrument :

MSVOA_U

ClientSampleId :

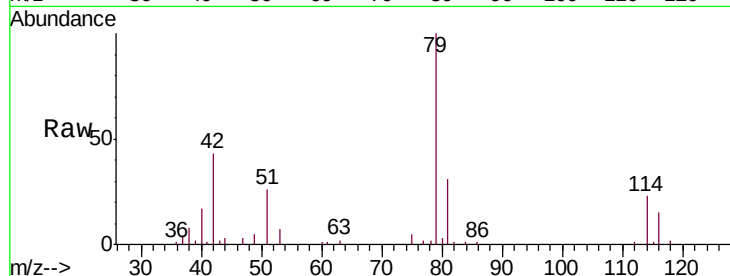
C0LY8

Tgt Ion: 75 Resp: 1295

Ion Ratio Lower Upper

75 100

77 41.2 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU032666.D (-2102) (-)

Ion 77.00 (76.70 to 77.70): VU032666.D (-2102) (-)

7.85

800

600

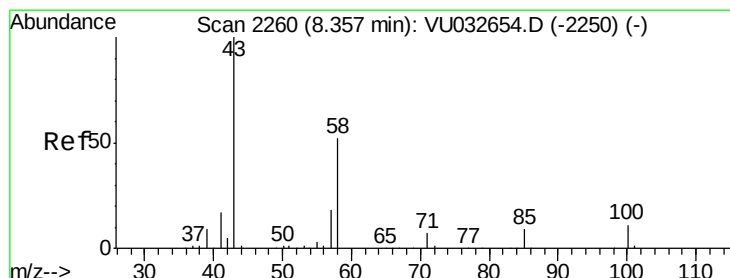
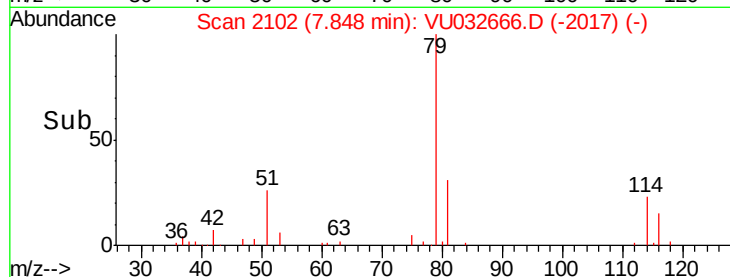
400

200

0

7.82 7.84 7.86 7.88

Time-->



#48

2-Hexanone

Concen: 2.541 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU032666.D

Acq: 12 Jun 2019 20:42

Tgt Ion: 43 Resp: 4152

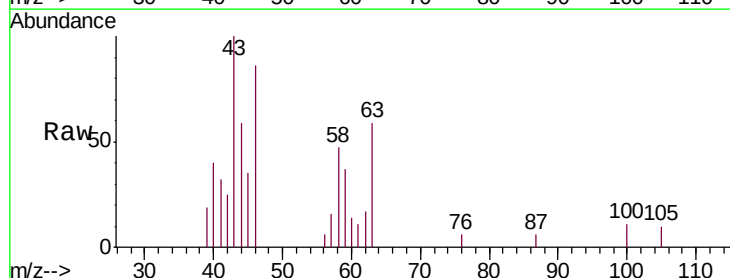
Ion Ratio Lower Upper

43 100

58 27.8 42.0 63.0#

57 0.0 14.6 22.0#

100 4.9 9.2 13.8#



Abundance Ion 43.00 (42.70 to 43.70): VU032666.D (-2167) (-)

Ion 58.00 (57.70 to 58.70): VU032666.D (-2167) (-)

Ion 57.00 (56.70 to 57.70): VU032666.D (-2167) (-)

Ion 100.00 (99.70 to 100.70): VU032666.D (-2167) (-)

6000

5000

4000

3000

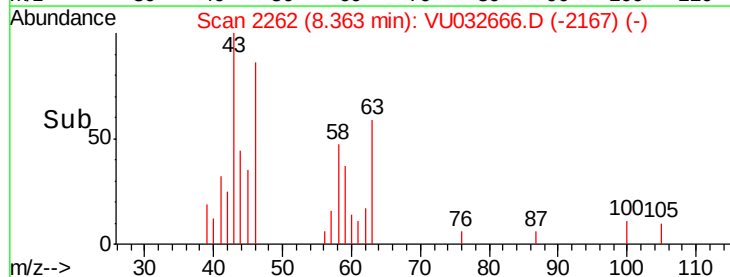
2000

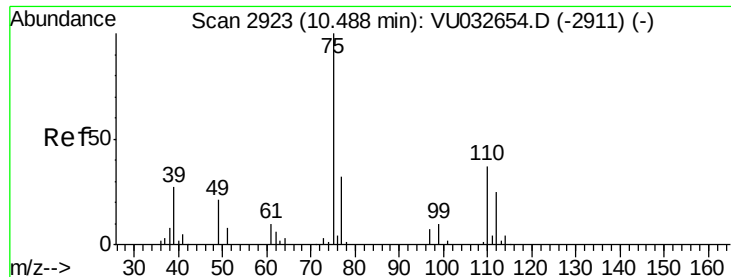
1000

0

8.30 8.35 8.40 8.45

Time-->





#59
 1,2,3-Trichloropropane
 Concen: 6.083 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032666.D
 Acq: 12 Jun 2019 20:42

Instrument :
 MSVOA_U
 ClientSampleId :
 COLY8

Tgt Ion: 75 Resp: 9780
 Ion Ratio Lower Upper
 75 100
 77 37.4 25.6 38.4

