

Data File : VU032646.D
Acq On : 12 Jun 2019 13:02
Operator : JC/SP
Sample : K3286-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JW3

Quant Time: Jun 13 05:05:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 13 05:01:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	169426	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	156887	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	81114	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	57265	52.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.20%
7) Chloroethane-d5	1.68	69	45742	51.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.56%
11) 1,1-Dichloroethene-d2	2.27	63	84958	39.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.94%
21) 2-Butanone-d5	4.17	46	101002	109.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.80%
24) Chloroform-d	4.64	84	104459	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.90%
26) 1,2-Dichloroethane-d4	5.30	65	69851	54.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.18%
32) Benzene-d6	5.33	84	213935	52.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.06%
36) 1,2-Dichloropropane-d6	6.32	67	68009	53.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.50%
41) Toluene-d8	7.56	98	200091	51.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.62%
43) trans-1,3-Dichloropropene-	7.85	79	32360	52.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.90%
47) 2-Hexanone-d5	8.31	63	76261	123.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	123.10%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	98735	53.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.72%
64) 1,2-Dichlorobenzene-d4	11.85	152	80820	52.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.04%

Target Compounds

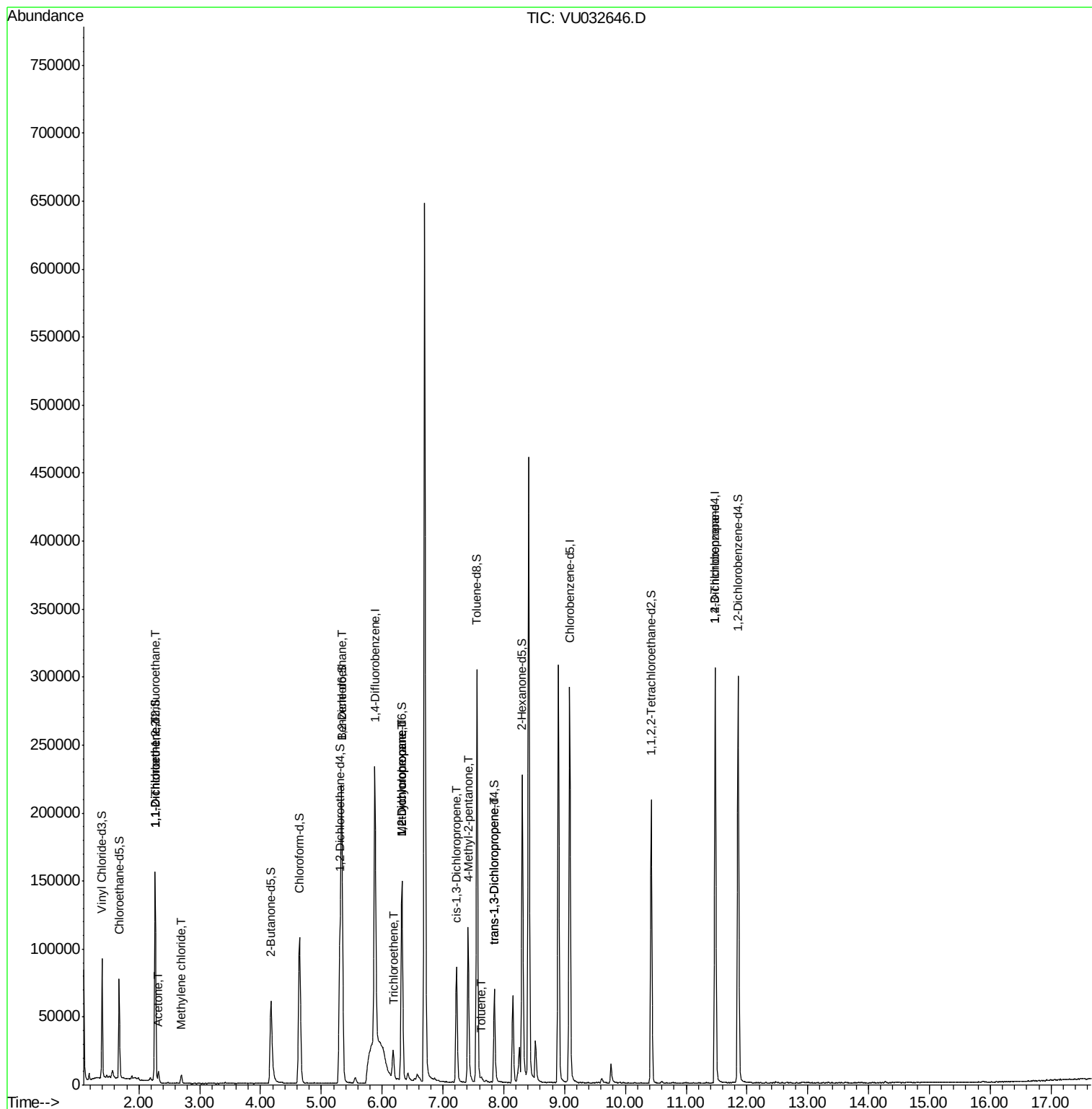
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	736	0.711 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	584	0.581 ug/L #	1
13) Acetone	2.32	43	8507	8.963 ug/L	95
16) Methylene chloride	2.69	84	2857	2.491 ug/L	97
27) 1,2-Dichloroethane	5.34	62	1297	0.801 ug/L #	75
34) Trichloroethene	6.18	95	6811	5.679 ug/L	90
35) Methylcyclohexane	6.32	83	15568	8.019 ug/L #	20
37) 1,2-Dichloropropane	6.33	63	7594	6.499 ug/L #	88
39) cis-1,3-Dichloropropene	7.23	75	2204	1.195 ug/L #	77
40) 4-Methyl-2-pentanone	7.41	43	43111	22.933 ug/L #	52
42) Toluene	7.64	91	2047	0.424 ug/L	95
44) trans-1,3-Dichloropropene	7.85	75	1441	0.881 ug/L #	81
59) 1,2,3-Trichloropropane	11.48	75	9707	6.390 ug/L	93

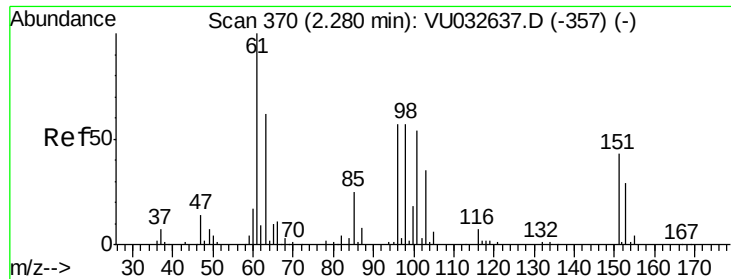
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.711 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032646.D

Acq: 12 Jun 2019 13:02

Instrument :

MSVOA_U

ClientSampleId :

C0JW3

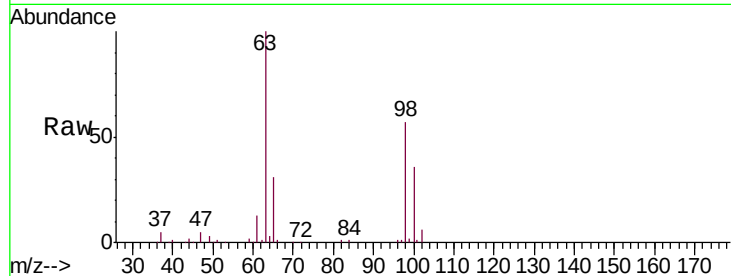
Tgt Ion:101 Resp: 736

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

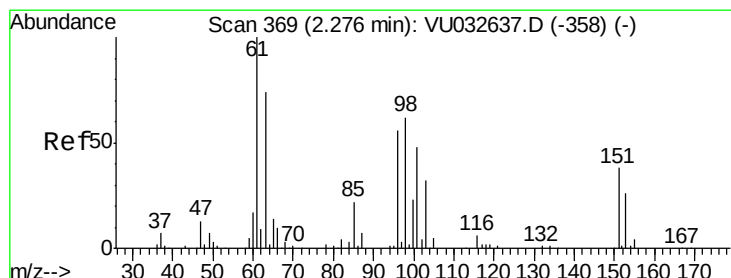
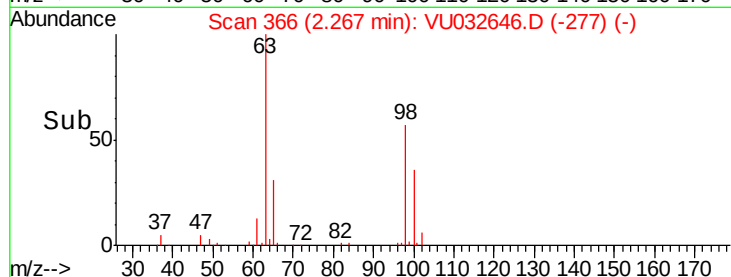
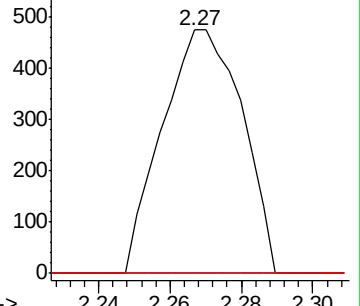
151 0.0 63.0 94.4#



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: 0.581 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032646.D

Acq: 12 Jun 2019 13:02

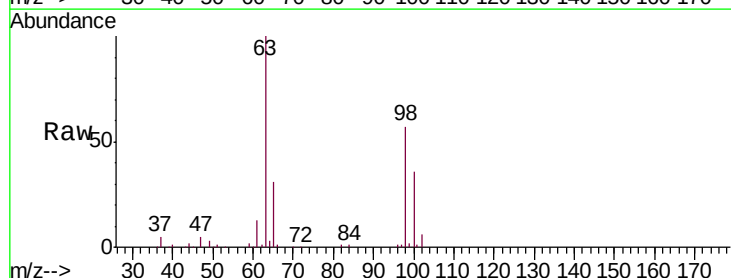
Tgt Ion: 96 Resp: 584

Ion Ratio Lower Upper

96 100

61 1501.8 129.5 240.5#

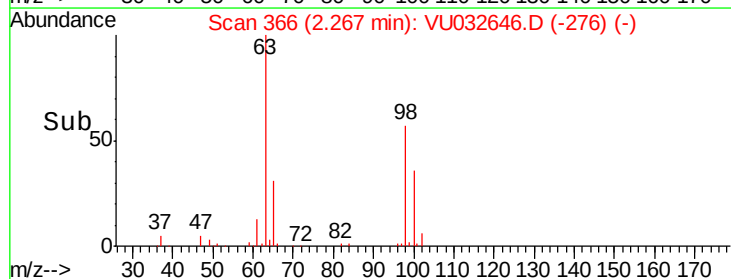
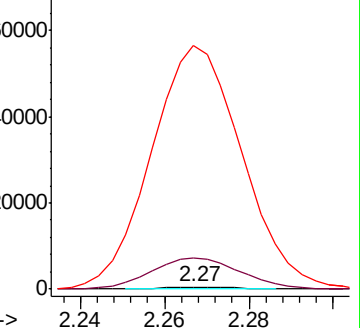
63 11607.4 103.4 192.0#

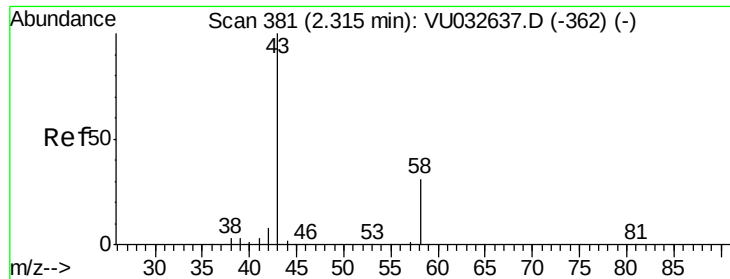


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.963 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032646.D

Acq: 12 Jun 2019 13:02

Instrument :

MSVOA_U

ClientSampleId :

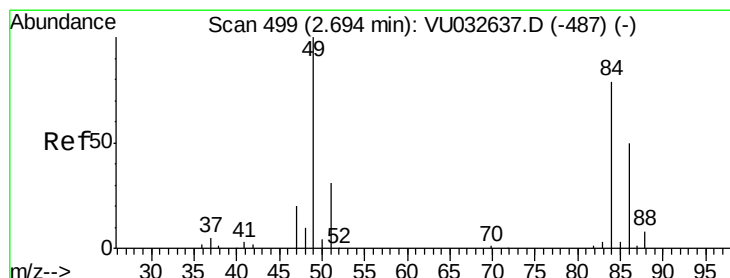
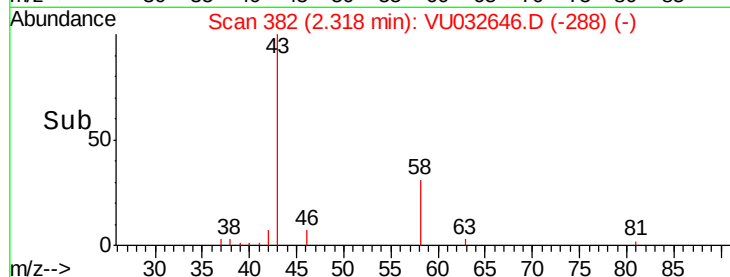
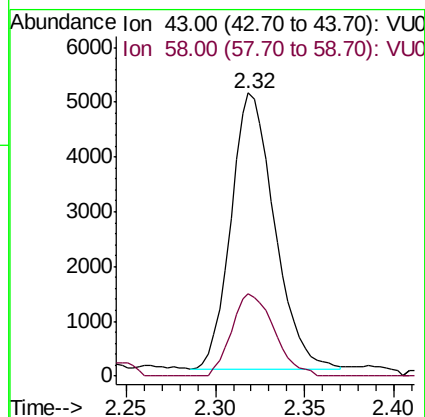
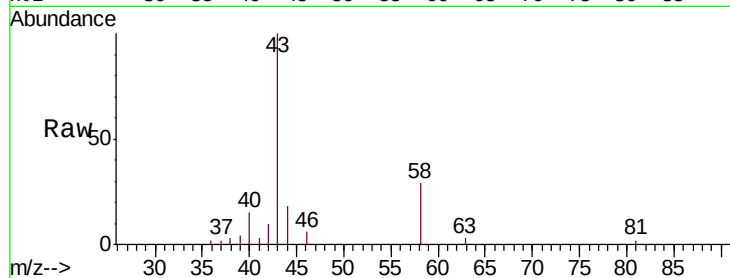
C0JW3

Tgt Ion: 43 Resp: 8507

Ion Ratio Lower Upper

43 100

58 29.3 0.0 64.0



#16

Methylene chloride

Concen: 2.491 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032646.D

Acq: 12 Jun 2019 13:02

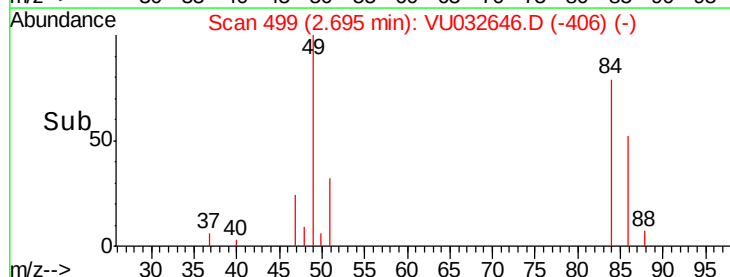
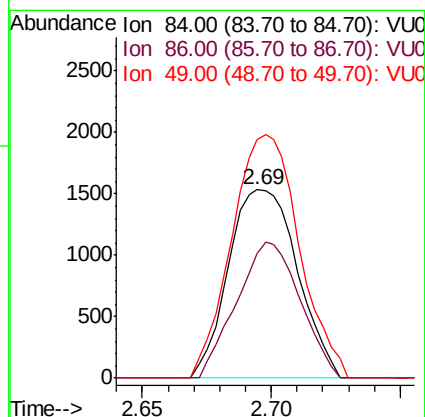
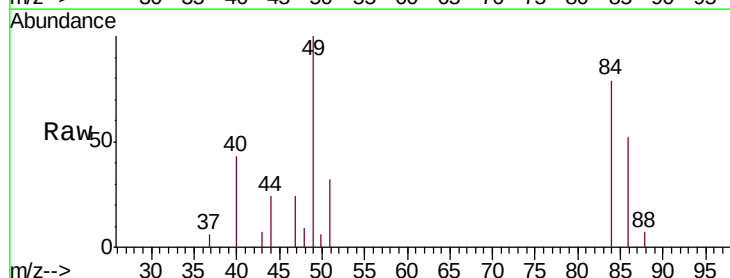
Tgt Ion: 84 Resp: 2857

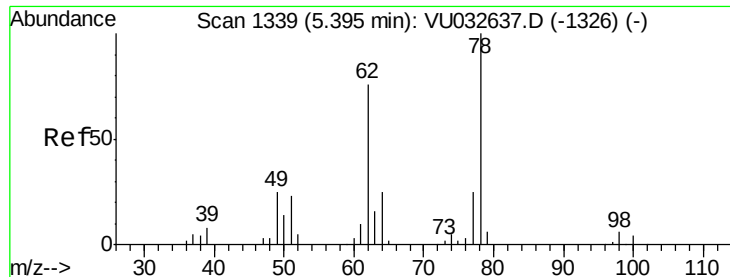
Ion Ratio Lower Upper

84 100

86 66.5 44.7 82.9

49 126.7 86.1 159.9

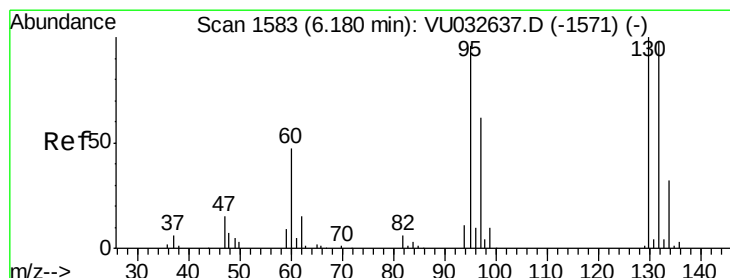
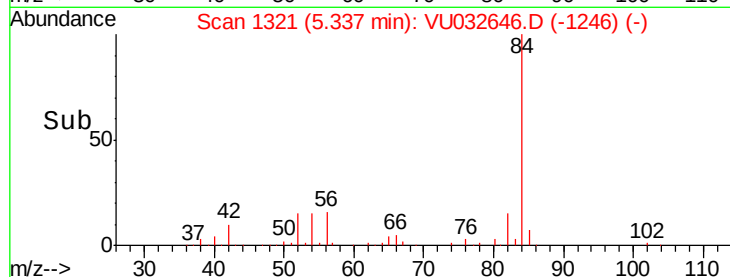
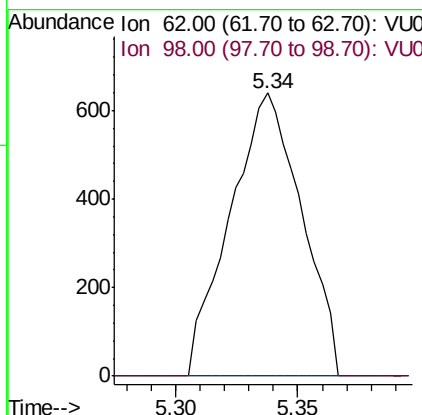
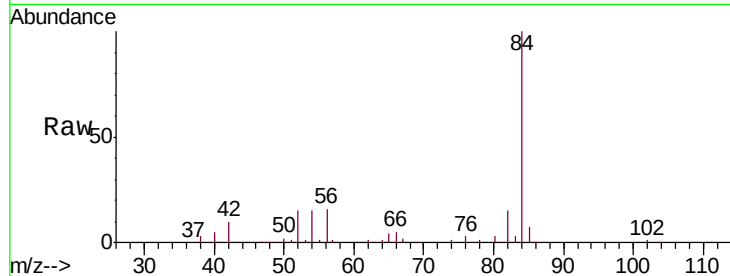




#27
 1,2-Dichloroethane
 Concen: 0.801 ug/L
 RT: 5.34 min Scan# 1321
 Delta R.T. -0.06 min
 Lab File: VU032646.D
 Acq: 12 Jun 2019 13:02

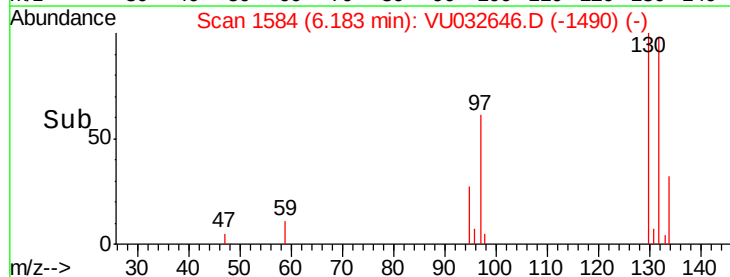
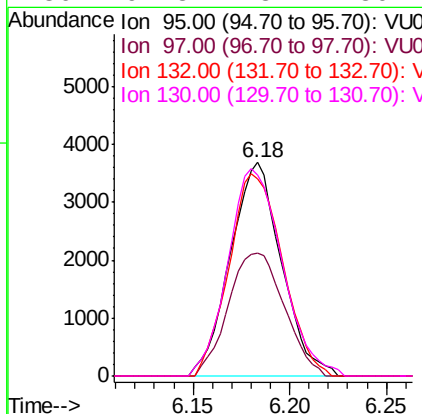
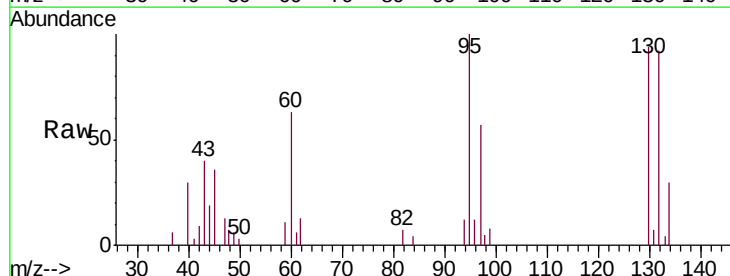
Instrument :
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 C0JW3

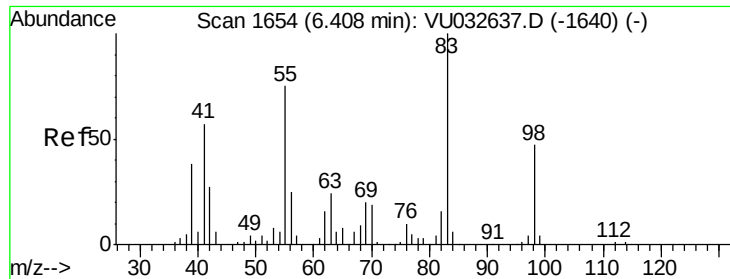
Tgt Ion: 62 Resp: 1297
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



#34
 Trichloroethene
 Concen: 5.679 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU032646.D
 Acq: 12 Jun 2019 13:02

Tgt Ion: 95 Resp: 6811
 Ion Ratio Lower Upper
 95 100
 97 57.4 45.8 85.2
 132 92.1 71.0 131.8
 130 94.3 73.4 136.2

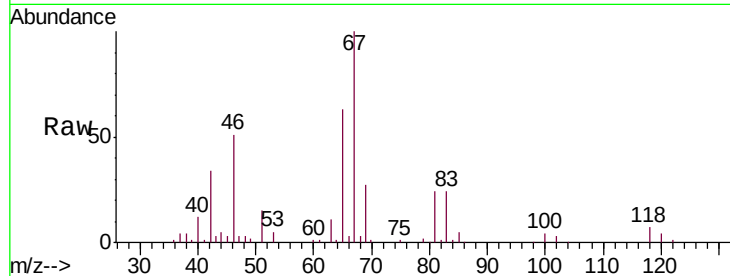




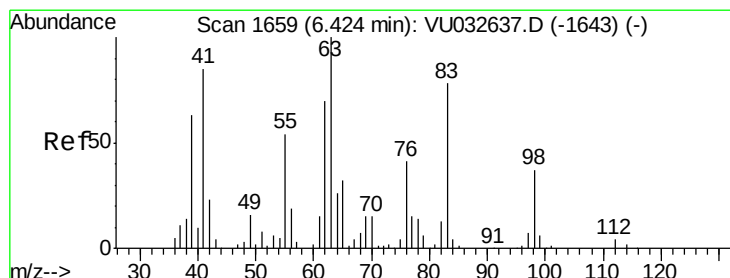
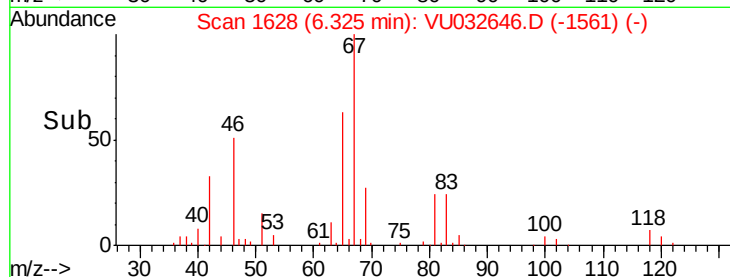
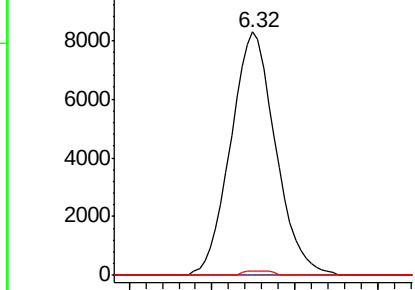
#35
Methylcyclohexane
Concen: 8.019 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032646.D
Acq: 12 Jun 2019 13:02

Instrument :
MSVOA_U
ClientSampleId :
C0JW3

Tgt Ion: 83 Resp: 15568
Ion Ratio Lower Upper
83 100
55 0.6 60.2 90.4#
98 1.1 37.4 56.2#

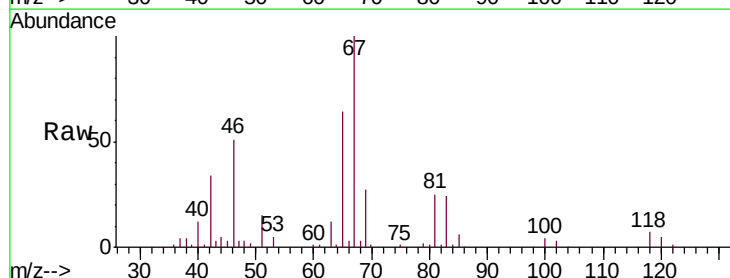


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

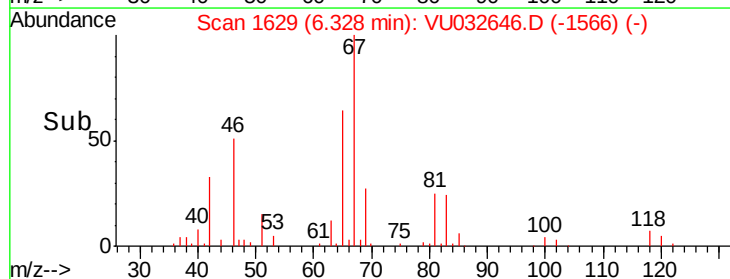
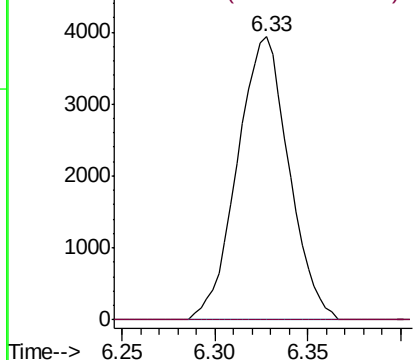


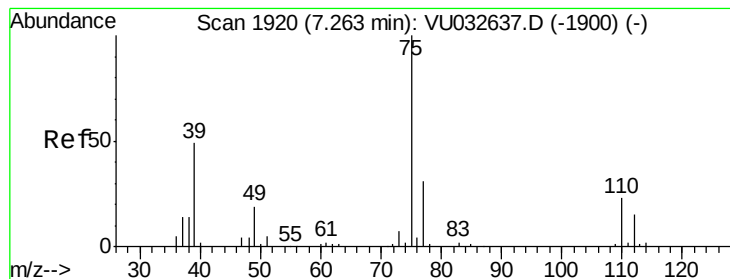
#37
1,2-Dichloropropane
Concen: 6.499 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU032646.D
Acq: 12 Jun 2019 13:02

Tgt Ion: 63 Resp: 7594
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



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: 1.195 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU032646.D

Acq: 12 Jun 2019 13:02

Instrument :

MSVOA_U

ClientSampleId :

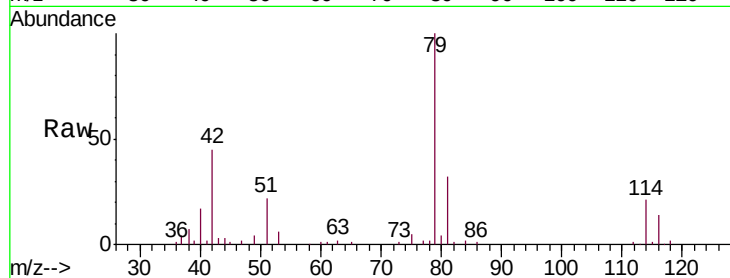
C0JW3

Tgt Ion: 75 Resp: 2204

Ion Ratio Lower Upper

75 100

77 44.1 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VU032637.D (-1900) (-)

Ion 77.00 (76.70 to 77.70): VU032637.D (-1900) (-)

7.23

1500

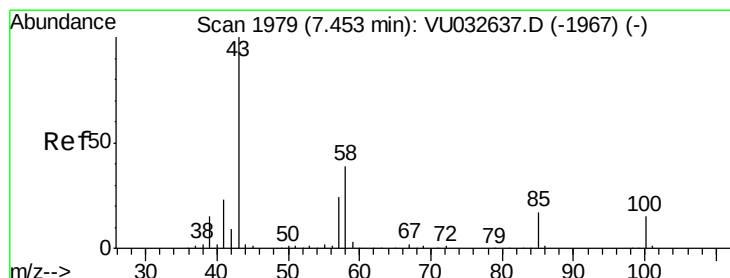
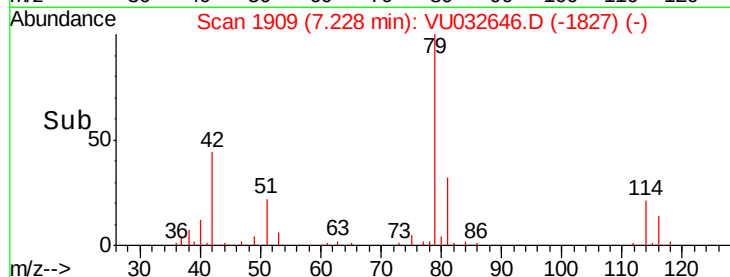
1000

500

0

7.20 7.25

Time-->



#40

4-Methyl-2-pentanone

Concen: 22.933 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. -0.04 min

Lab File: VU032646.D

Acq: 12 Jun 2019 13:02

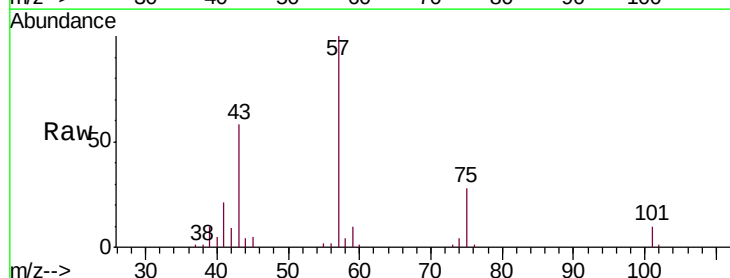
Tgt Ion: 43 Resp: 43111

Ion Ratio Lower Upper

43 100

58 6.3 30.8 46.2#

100 0.0 12.1 18.1#



Abundance Ion 43.00 (42.70 to 43.70): VU032637.D (-1967) (-)

Ion 58.00 (57.70 to 58.70): VU032637.D (-1967) (-)

Ion 100.00 (99.70 to 100.70): VU032637.D (-1967) (-)

60000

50000

40000

30000

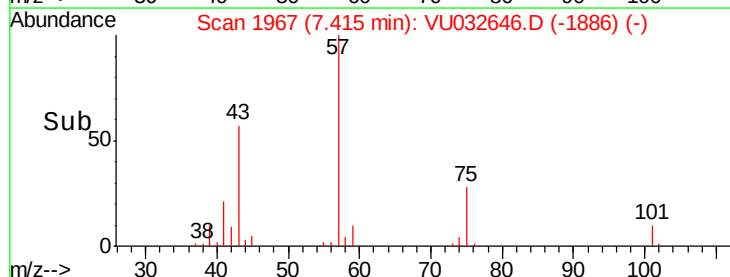
20000

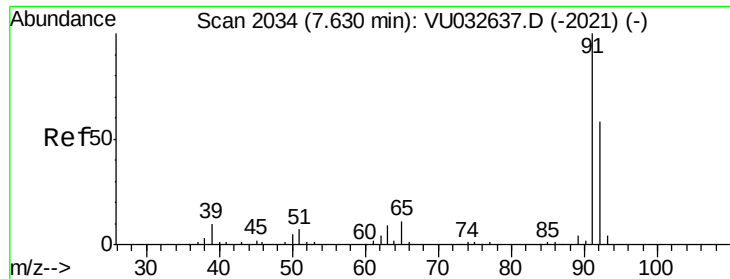
10000

0

7.35 7.40 7.45 7.50

Time-->





#42

Toluene

Concen: 0.424 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VU032646.D

Acq: 12 Jun 2019 13:02

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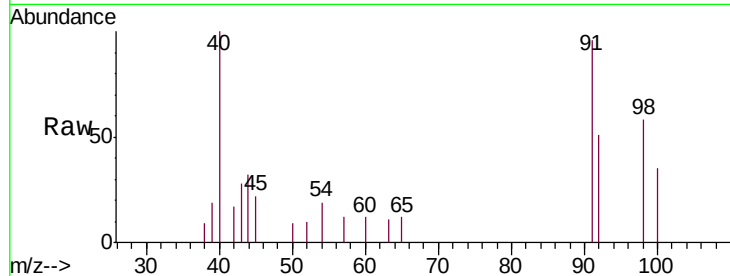
C0JW3

Tgt Ion: 91 Resp: 2047

Ion Ratio Lower Upper

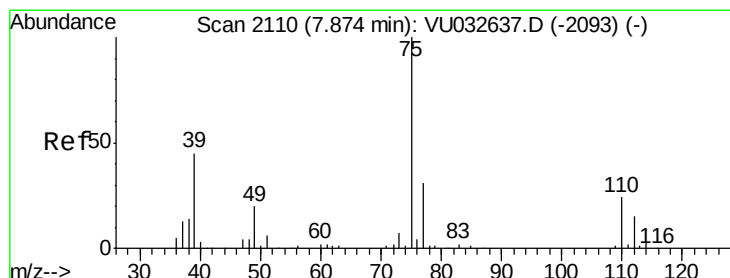
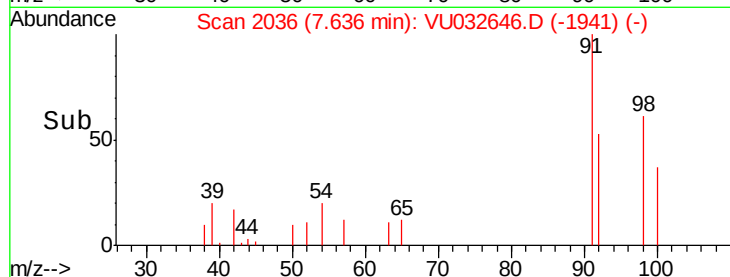
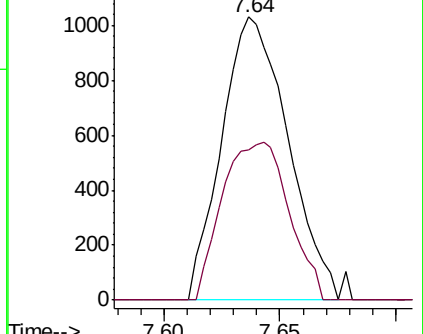
91 100

92 53.0 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.881 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032646.D

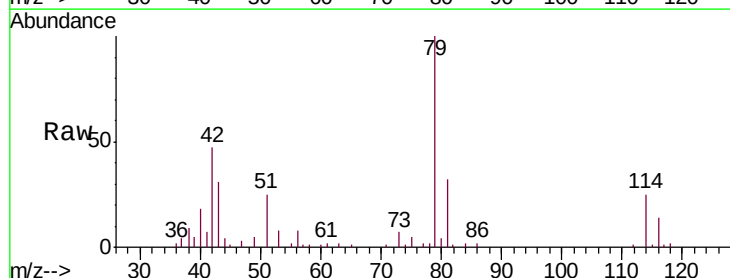
Acq: 12 Jun 2019 13:02

Tgt Ion: 75 Resp: 1441

Ion Ratio Lower Upper

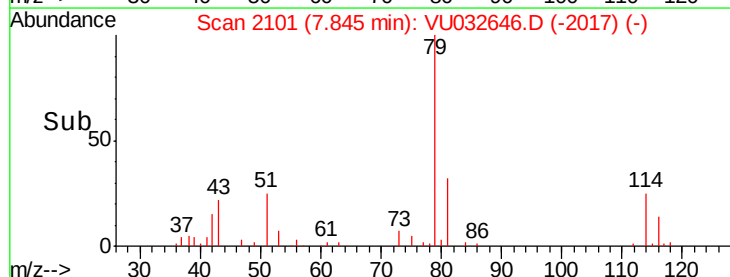
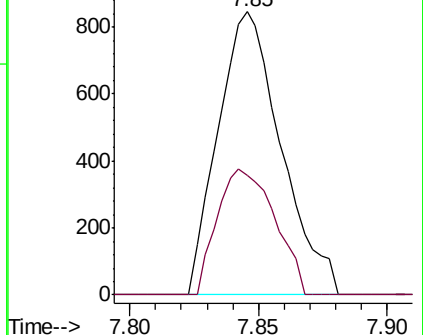
75 100

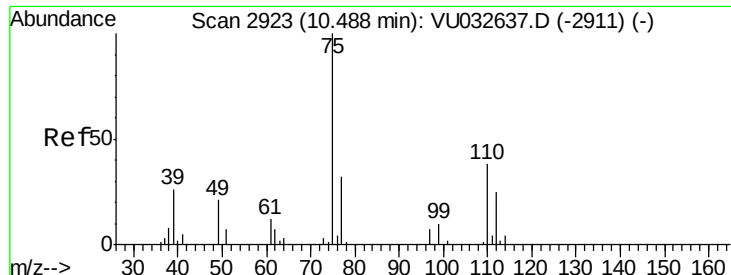
77 42.4 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#59
 1,2,3-Trichloropropane
 Concen: 6.390 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032646.D
 Acq: 12 Jun 2019 13:02

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JW3

Tgt Ion: 75 Resp: 9707
 Ion Ratio Lower Upper
 75 100
 77 35.8 25.6 38.4

