

Data File : VU032115.D
Acq On : 17 May 2019 21:07
Operator : JC/SP
Sample : K2850-05DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W05DL

Quant Time: May 18 04:14:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 18 04:08:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	370240	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	381994	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	153268	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	122029	3.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.20%
7) Chloroethane-d5	1.68	69	103266	3.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.60%
11) 1,1-Dichloroethene-d2	2.27	63	173940	3.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.00%
20) 2-Butanone-d5	4.20	46	280909	45.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.76%
24) Chloroform-d	4.64	84	236725	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.31	65	123592	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
32) Benzene-d6	5.33	84	475991	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.60%
36) 1,2-Dichloropropane-d6	6.33	67	137320	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.60%
41) Toluene-d8	7.56	98	380548	3.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.20%
43) trans-1,3-Dichloropropene-	7.85	79	47611	3.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.60%
46) 2-Hexanone-d5	8.31	63	240982	43.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	125849	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	148676	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

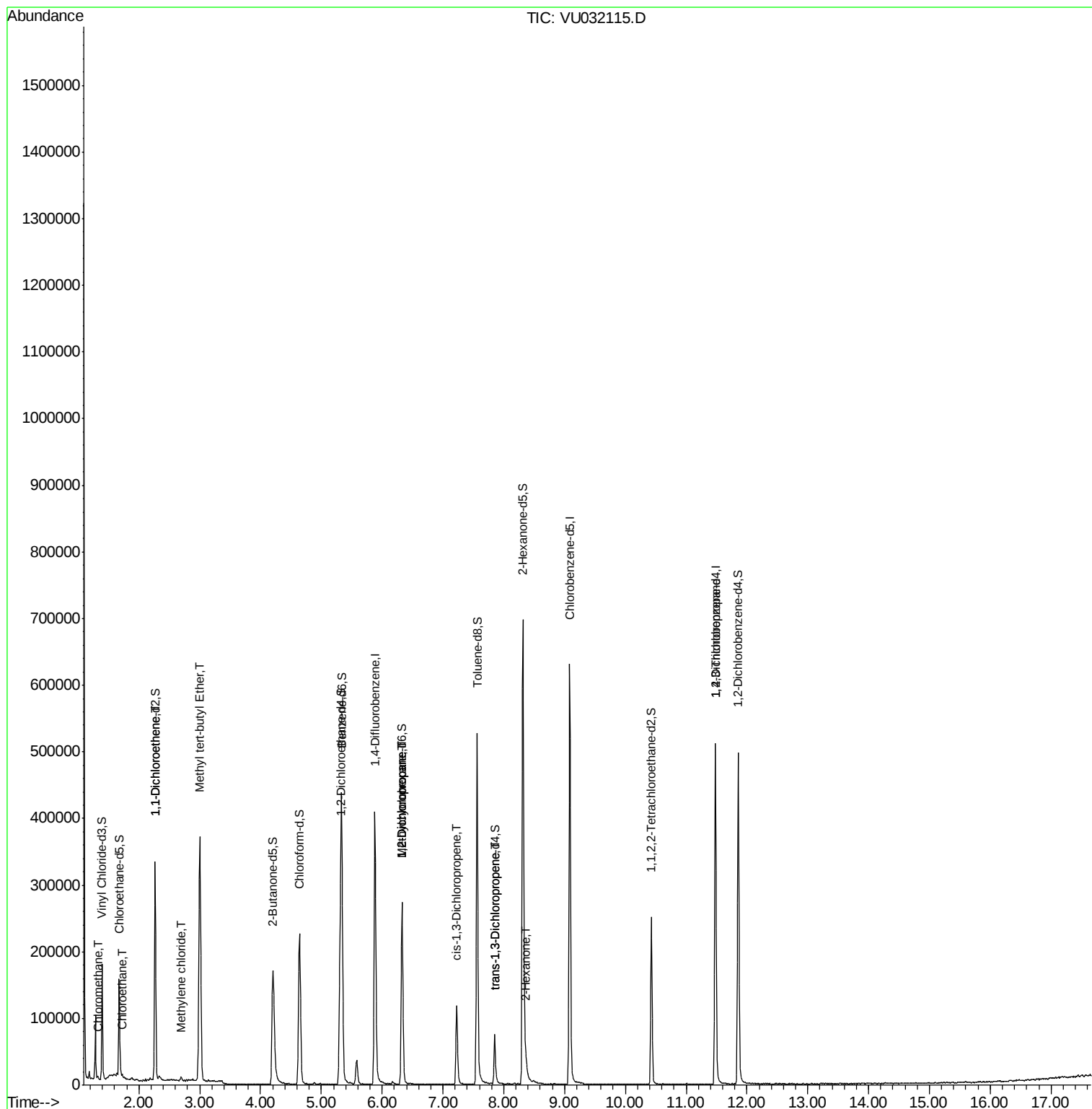
					Qvalue
3) Chloromethane	1.32	50	3159	0.178 ug/L	93
8) Chloroethane	1.72	64	1071	0.092 ug/L #	52
12) 1,1-Dichloroethene	2.27	96	1926	0.130 ug/L #	1
16) Methylene chloride	2.69	84	2711	0.153 ug/L #	87
17) Methyl tert-butyl Ether	3.00	73	426258	12.194 ug/L	97
35) Methylcyclohexane	6.33	83	34216	1.493 ug/L #	19
37) 1,2-Dichloropropane	6.33	63	14283	0.996 ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	3129	0.158 ug/L #	56
44) trans-1,3-Dichloropropene	7.85	75	1681	0.109 ug/L	89
48) 2-Hexanone	8.37	43	10958	2.125 ug/L #	87
59) 1,2,3-Trichloropropane	11.48	75	15021	1.649 ug/L #	82

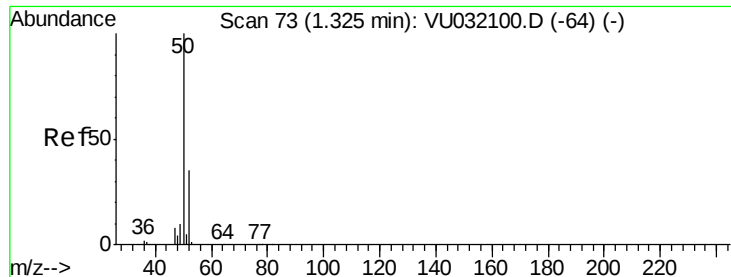
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.178 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032115.D

Acq: 17 May 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

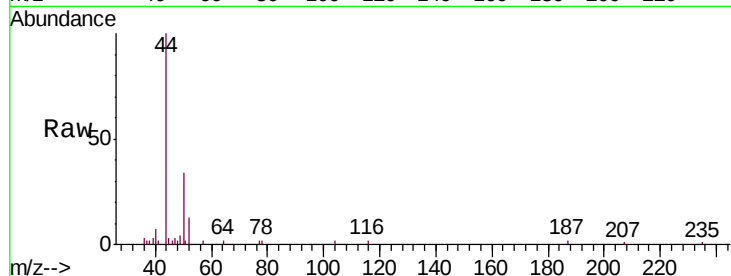
F9W05DL

Tgt Ion: 50 Resp: 3159

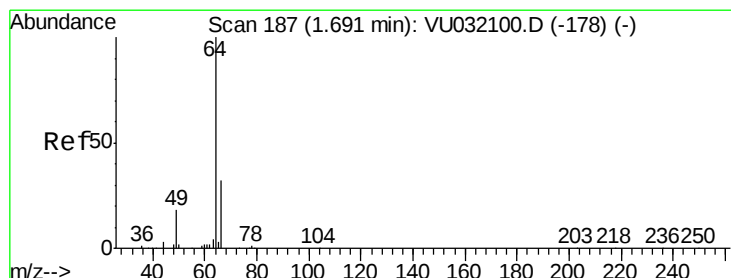
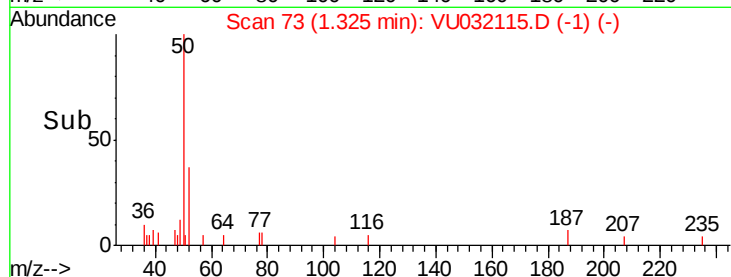
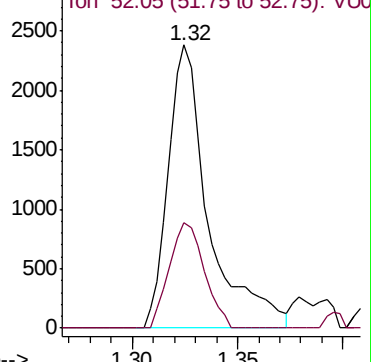
Ion Ratio Lower Upper

50 100

52 37.1 23.2 43.0



Abundance Ion 50.05 (49.75 to 50.75): VU032115.D (-1) (-)



#8

Chloroethane

Concen: 0.092 ug/L

RT: 1.72 min Scan# 197

Delta R.T. 0.03 min

Lab File: VU032115.D

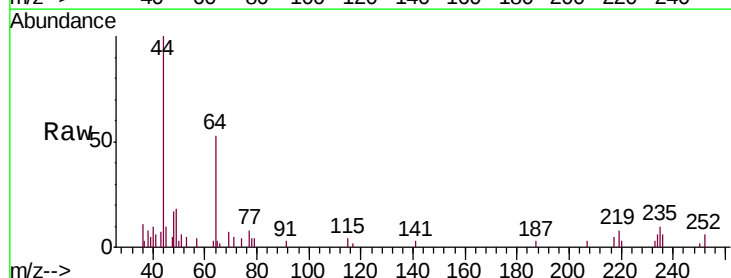
Acq: 17 May 2019 21:07

Tgt Ion: 64 Resp: 1071

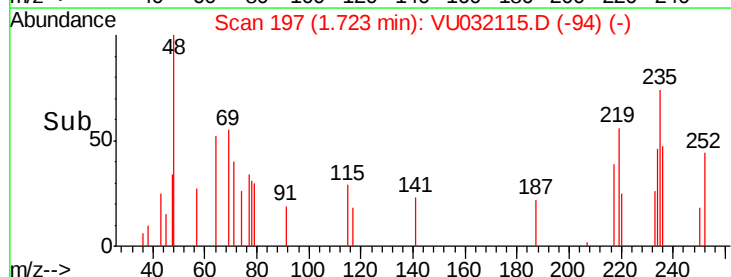
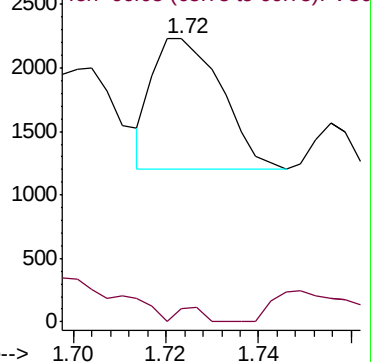
Ion Ratio Lower Upper

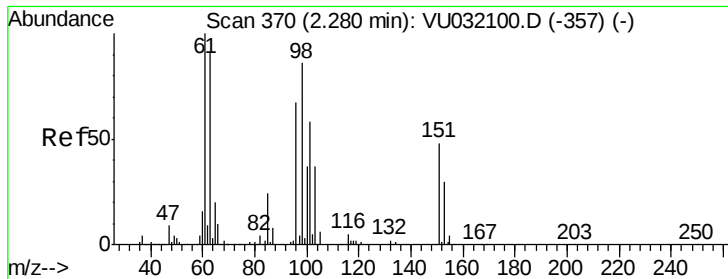
64 100

66 4.7 22.0 41.0#



Abundance Ion 64.10 (63.80 to 64.80): VU032115.D (-94) (-)





#12

1,1-Dichloroethene

Concen: 0.130 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032115.D

Acq: 17 May 2019 21:07

Instrument :

MSVOA_U

ClientSampleID :

F9W05DL

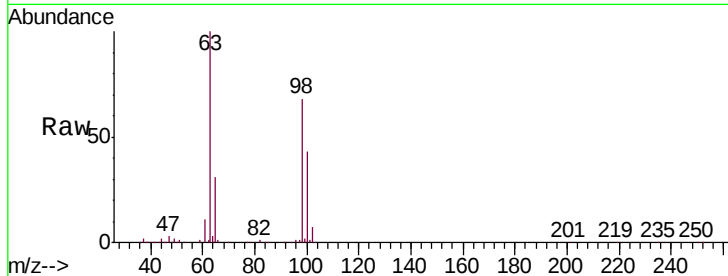
Tgt Ion: 96 Resp: 1926

Ion Ratio Lower Upper

96 100

61 1268.5 111.7 207.5#

63 11766.0 152.2 282.6#



Abundance Ion 96.00 (95.70 to 96.70): VU032115.D (-366) (-)

Ion 61.05 (60.75 to 61.75): VU032115.D (-366) (-)

Ion 63.00 (62.70 to 63.70): VU032115.D (-366) (-)

150000

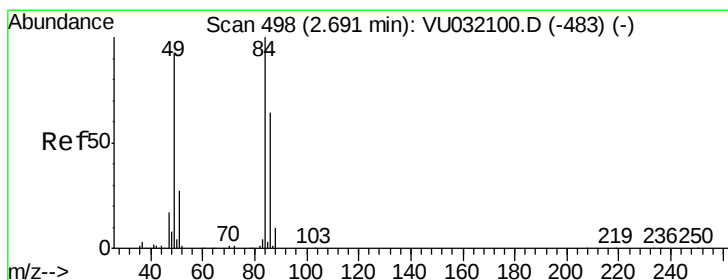
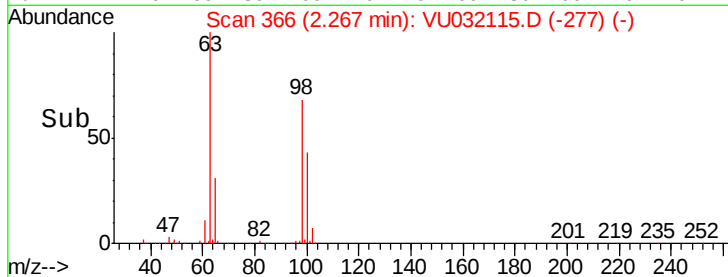
100000

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2.25 2.30

Time-->



#16

Methylene chloride

Concen: 0.153 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032115.D

Acq: 17 May 2019 21:07

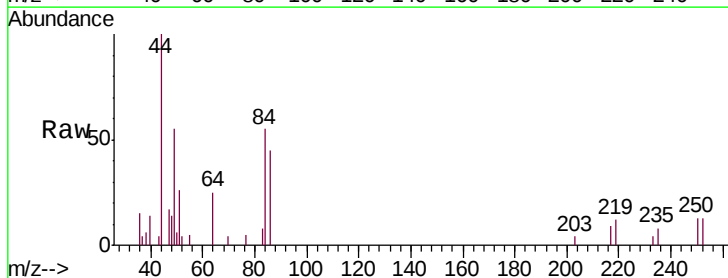
Tgt Ion: 84 Resp: 2711

Ion Ratio Lower Upper

84 100

86 81.5 43.1 80.1#

49 100.6 67.7 125.7



Abundance Ion 84.05 (83.75 to 84.75): VU032115.D (-499) (-)

Ion 86.00 (85.70 to 86.70): VU032115.D (-499) (-)

Ion 49.10 (48.80 to 49.80): VU032115.D (-499) (-)

2000

1500

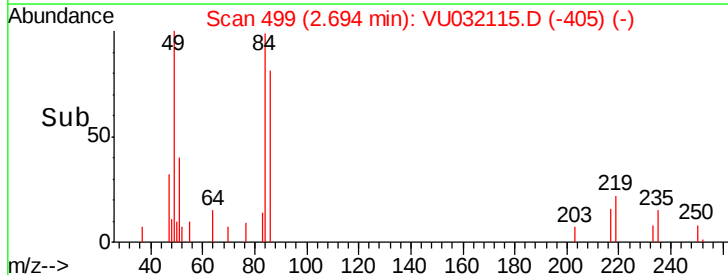
1000

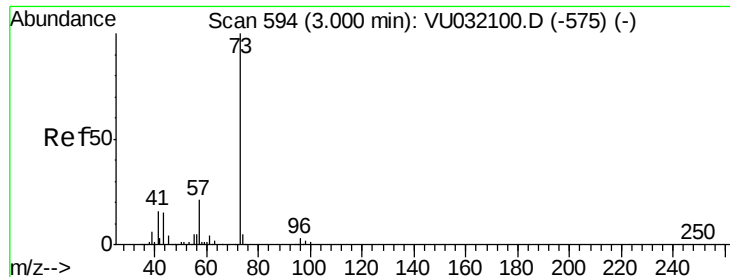
500

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2.65 2.70 2.75

Time-->

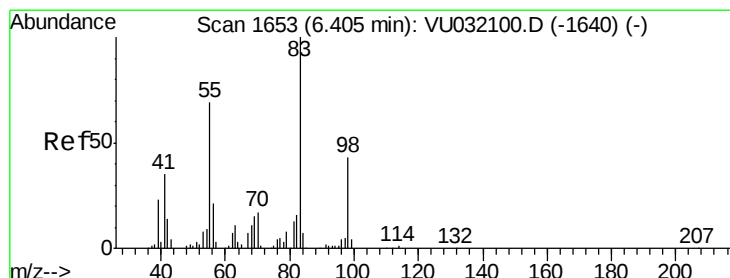
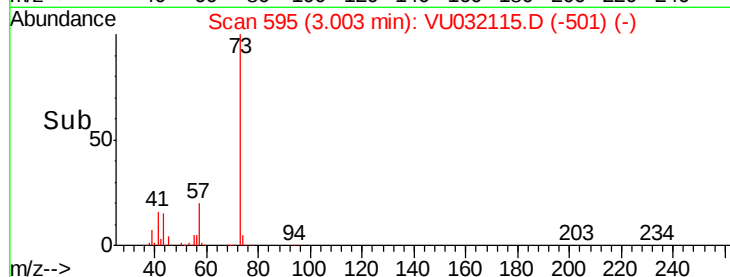
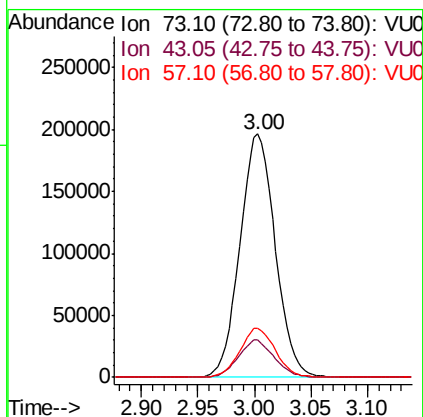
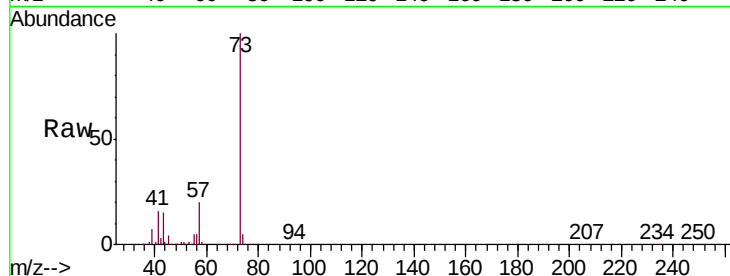




#17
Methyl tert-butyl Ether
Concen: 12.194 ug/L
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU032115.D
Acq: 17 May 2019 21:07

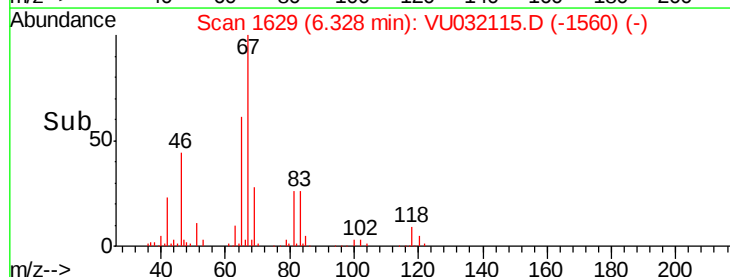
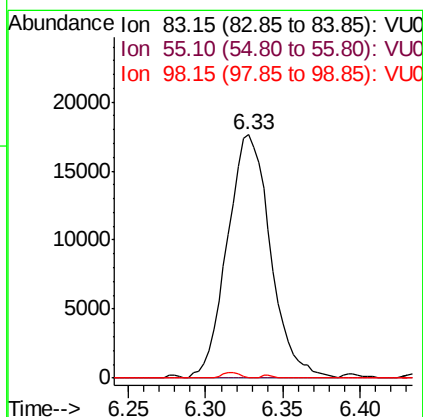
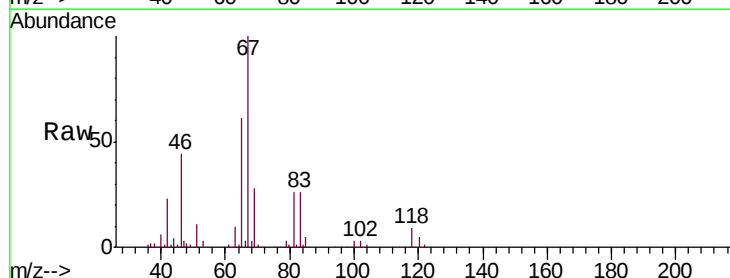
Instrument :
MSVOA_U
ClientSampleId :
F9W05DL

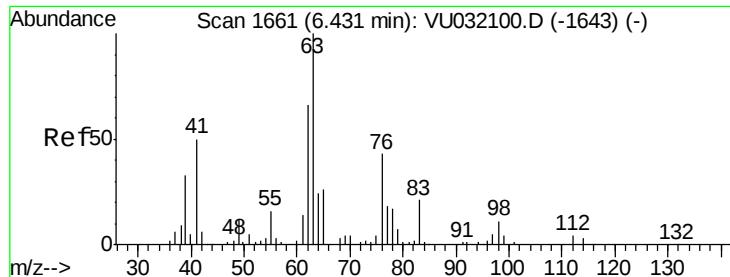
Tgt Ion: 73 Resp: 426258
Ion Ratio Lower Upper
73 100
43 15.7 13.0 19.6
57 20.2 17.9 26.9



#35
Methylcyclohexane
Concen: 1.493 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU032115.D
Acq: 17 May 2019 21:07

Tgt Ion: 83 Resp: 34216
Ion Ratio Lower Upper
83 100
55 0.0 59.7 89.5#
98 0.4 36.8 55.2#





#37

1,2-Dichloropropane

Concen: 0.996 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU032115.D

Acq: 17 May 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

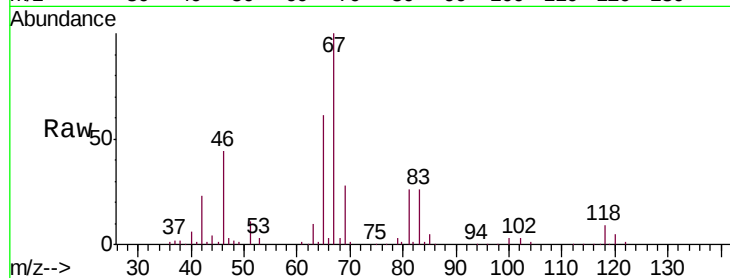
F9W05DL

Tgt Ion: 63 Resp: 14283

Ion Ratio Lower Upper

63 100

112 0.5 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU032115.D (-1643) (-)

Ion 112.10 (111.80 to 112.80): VU032115.D (-1643) (-)

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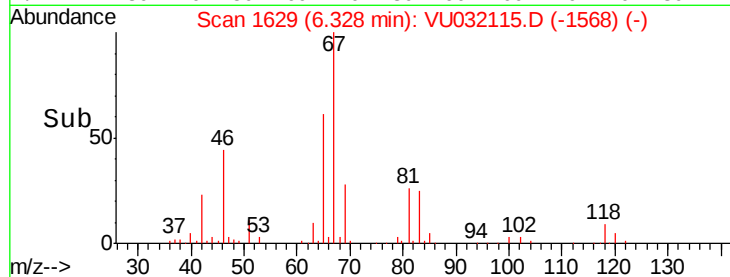
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Abundance Ion 63.10 (62.80 to 63.80): VU032115.D (-1643) (-)

Ion 112.10 (111.80 to 112.80): VU032115.D (-1643) (-)

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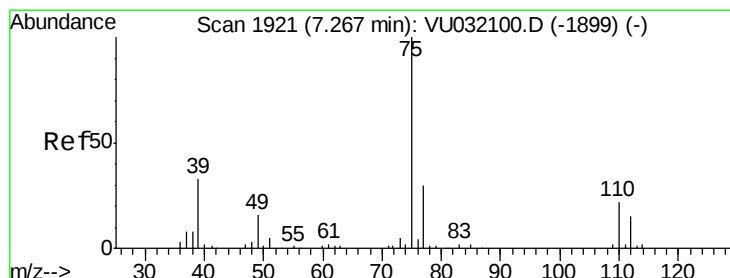
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#39

cis-1,3-Dichloropropene

Concen: 0.158 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU032115.D

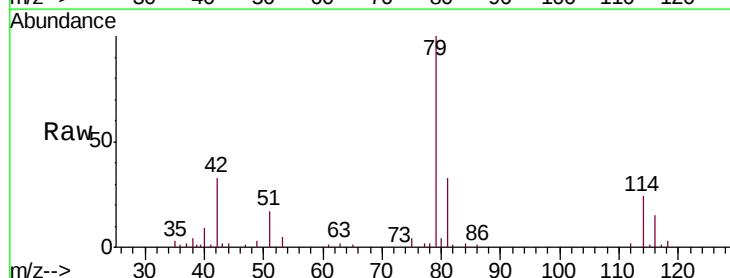
Acq: 17 May 2019 21:07

Tgt Ion: 75 Resp: 3129

Ion Ratio Lower Upper

75 100

77 55.4 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VU032115.D (-1899) (-)

Ion 77.05 (76.75 to 77.75): VU032115.D (-1899) (-)

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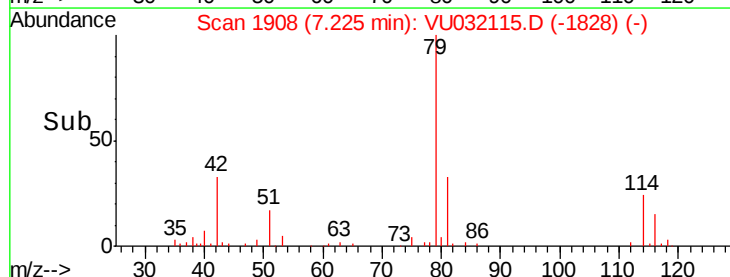
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Abundance Ion 75.05 (74.75 to 75.75): VU032115.D (-1899) (-)

Ion 77.05 (76.75 to 77.75): VU032115.D (-1899) (-)

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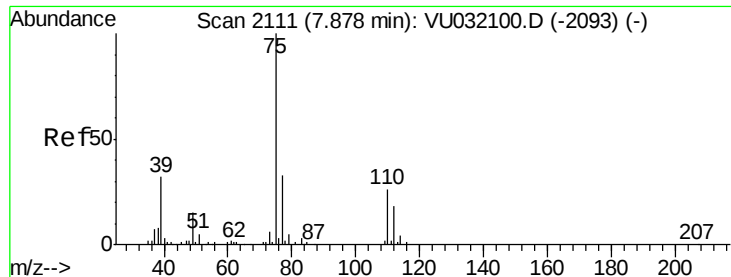
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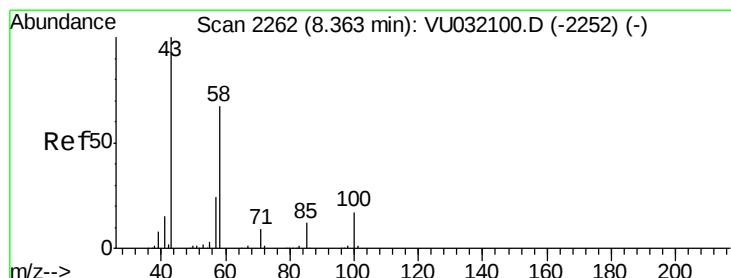
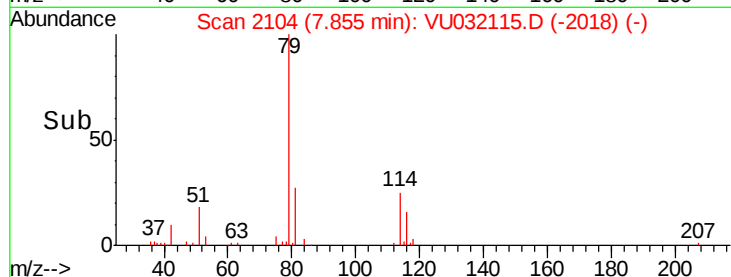
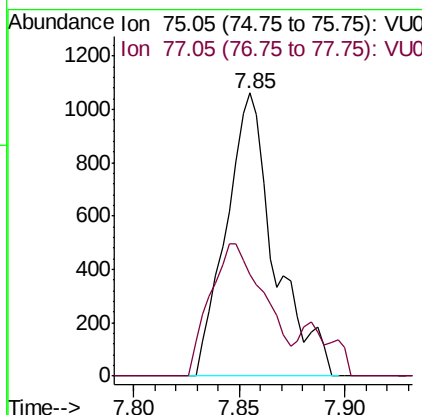
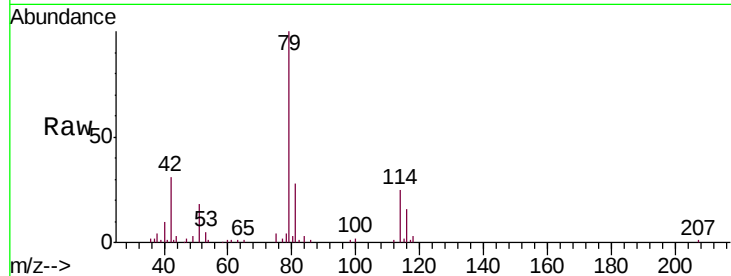
7.22



#44
 trans-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.85 min Scan# 2104
 Delta R.T. -0.02 min
 Lab File: VU032115.D
 Acq: 17 May 2019 21:07

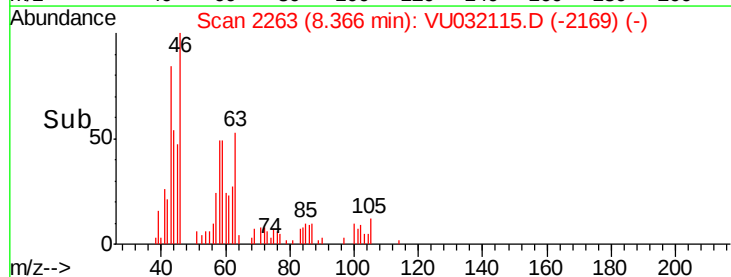
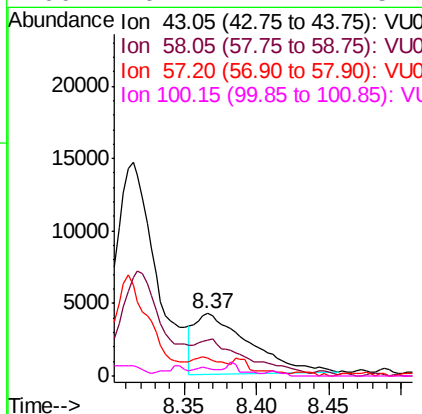
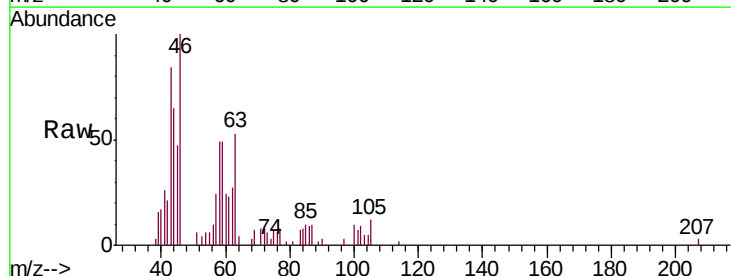
Instrument :
 MSVOA_U
 ClientSampleID :
 F9W05DL

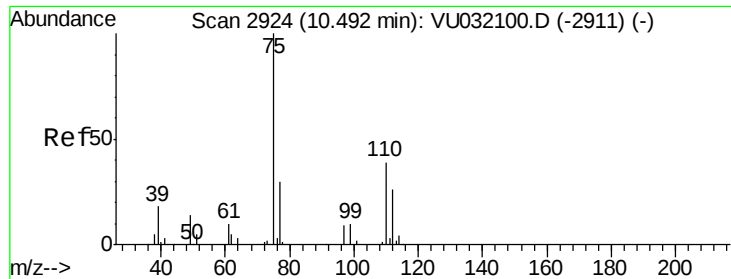
Tgt Ion: 75 Resp: 1681
 Ion Ratio Lower Upper
 75 100
 77 36.0 21.0 39.0



#48
 2-Hexanone
 Concen: 2.125 ug/L
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.00 min
 Lab File: VU032115.D
 Acq: 17 May 2019 21:07

Tgt Ion: 43 Resp: 10958
 Ion Ratio Lower Upper
 43 100
 58 55.2 51.6 77.4
 57 17.0 18.4 27.6#
 100 6.2 12.2 18.4#





#59

1,2,3-Trichloropropane

Concen: 1.649 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU032115.D

Acq: 17 May 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

F9W05DL

Tgt Ion: 75 Resp: 15021

Ion Ratio Lower Upper

75 100

77 42.9 26.2 39.2#

