

Data File : VU036325.D
Acq On : 23 Dec 2019 14:50
Operator : JC/MD
Sample : K6286-14DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDZ0DL

Quant Time: Dec 24 00:21:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 24 00:19:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	294948	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	318322	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	133387	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	118649	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.93	69	103892	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.59	63	123511	3.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.00%
20) 2-Butanone-d5	4.68	46	178668	36.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	73.44%
24) Chloroform-d	5.11	84	163846	3.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.40%
26) 1,2-Dichloroethane-d4	5.75	65	86646	3.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.00%
32) Benzene-d6	5.77	84	319235	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.80%
36) 1,2-Dichloropropane-d6	6.73	67	100602	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.80%
41) Toluene-d8	7.93	98	270523	3.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.80%
43) trans-1,3-Dichloropropene-	8.21	79	36961	3.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.20%
46) 2-Hexanone-d5	8.67	63	138447	34.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.80%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	82633	3.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	71.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	105140	4.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.40%

Target Compounds

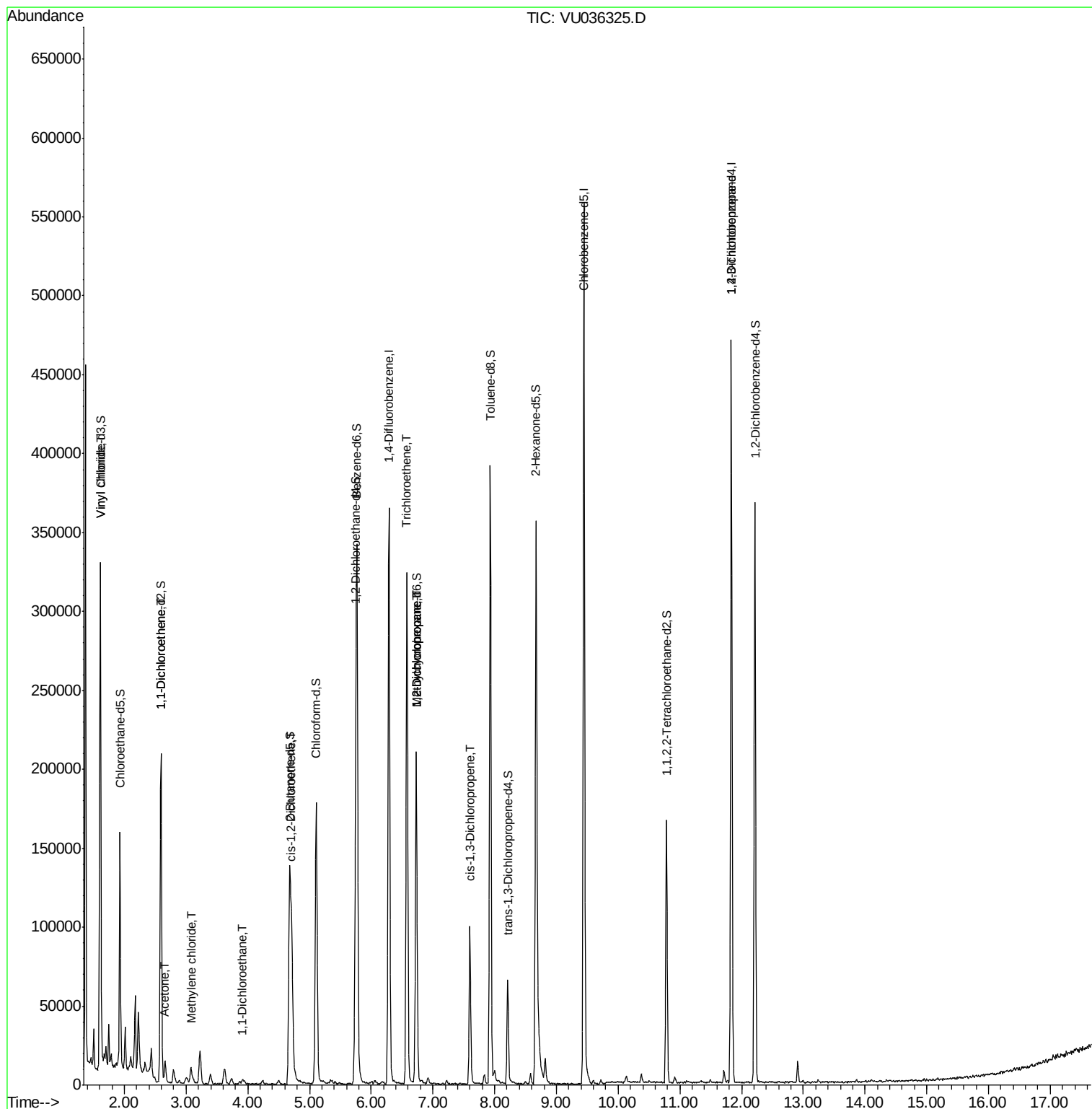
					Qvalue
5) Vinyl chloride	1.62	62	3412	0.087 ug/L #	11
12) 1,1-Dichloroethene	2.60	96	1703	0.078 ug/L #	1
13) Acetone	2.66	43	13138	3.098 ug/L	93
16) Methylene chloride	3.08	84	4786	0.149 ug/L	98
19) 1,1-Dichloroethane	3.92	63	3490	0.082 ug/L	96
22) cis-1,2-Dichloroethene	4.71	96	43434	1.767 ug/L	97
34) Trichloroethene	6.58	95	110527	4.382 ug/L	98
35) Methylcyclohexane	6.73	83	24085	0.672 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	10352	0.415 ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	2656	0.078 ug/L #	69
59) 1,2,3-Trichloropropane	11.84	75	14743	0.889 ug/L	94

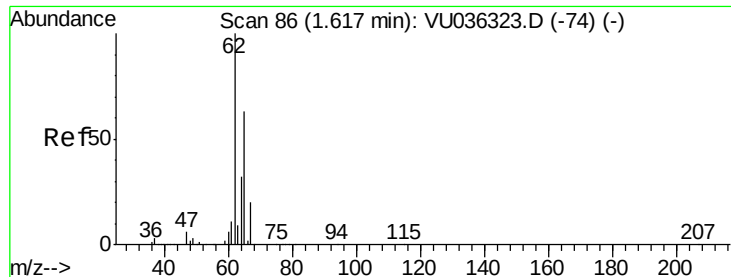
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.087 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

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Acq: 23 Dec 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

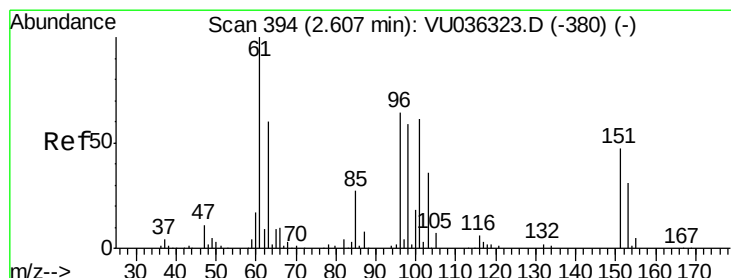
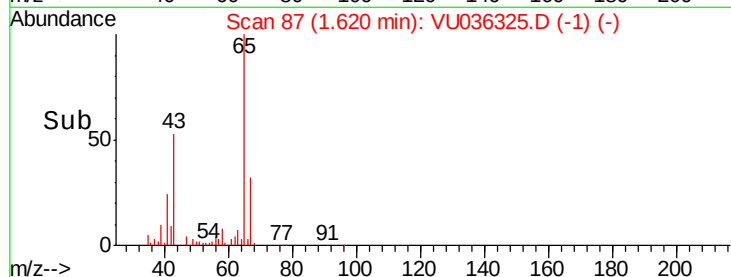
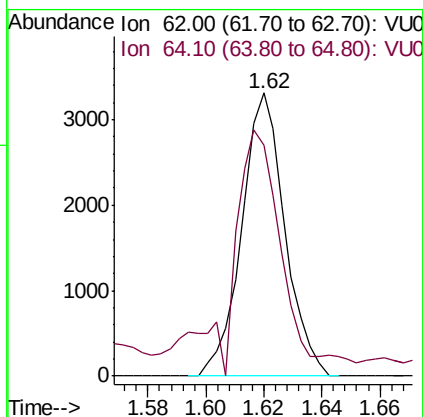
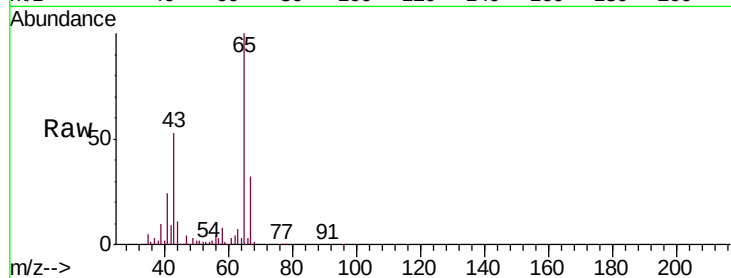
BFDZ0DL

Tgt Ion: 62 Resp: 3412

Ion Ratio Lower Upper

62 100

64 81.5 22.4 41.6#



#12

1,1-Dichloroethene

Concen: 0.078 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036325.D

Acq: 23 Dec 2019 14:50

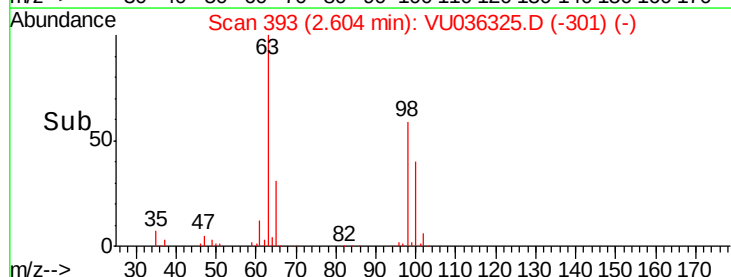
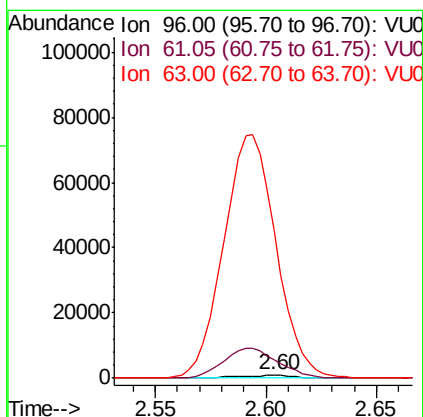
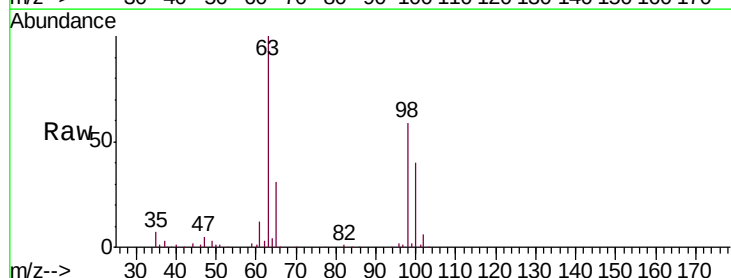
Tgt Ion: 96 Resp: 1703

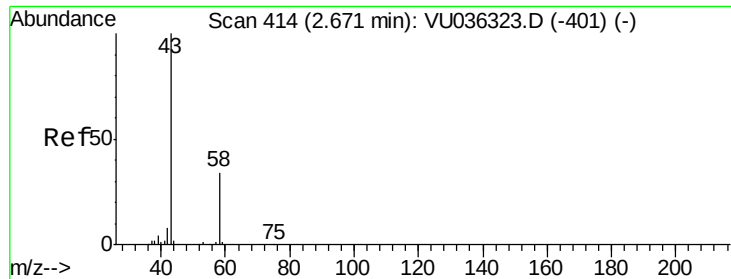
Ion Ratio Lower Upper

96 100

61 595.8 114.0 211.8#

63 4865.3 63.6 118.0#





#13

Acetone

Concen: 3.098 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU036325.D

Acq: 23 Dec 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

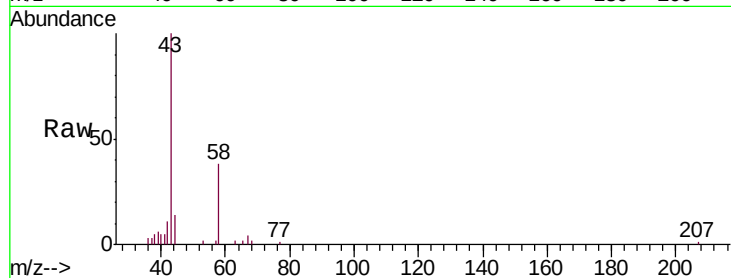
BFDZ0DL

Tgt Ion: 43 Resp: 13138

Ion Ratio Lower Upper

43 100

58 37.5 0.0 67.6

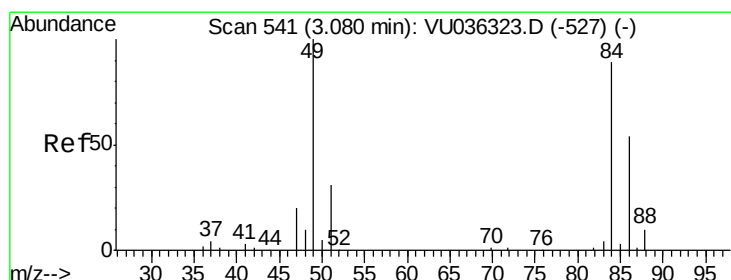
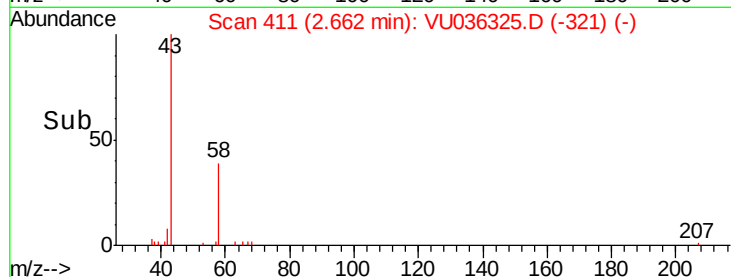


Abundance Ion 43.05 (42.75 to 43.75): VU036323.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU036323.D (-401) (-)

2.66

Time-->



#16

Methylene chloride

Concen: 0.149 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU036325.D

Acq: 23 Dec 2019 14:50

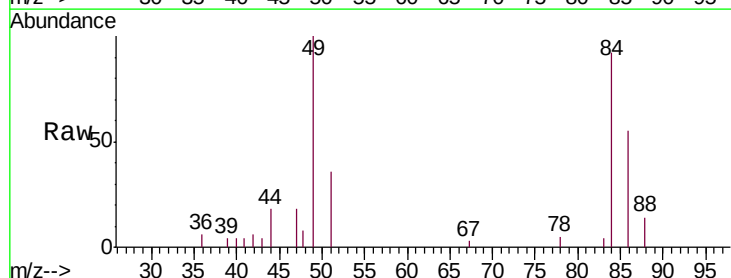
Tgt Ion: 84 Resp: 4786

Ion Ratio Lower Upper

84 100

86 60.1 43.0 79.8

49 108.5 77.3 143.5



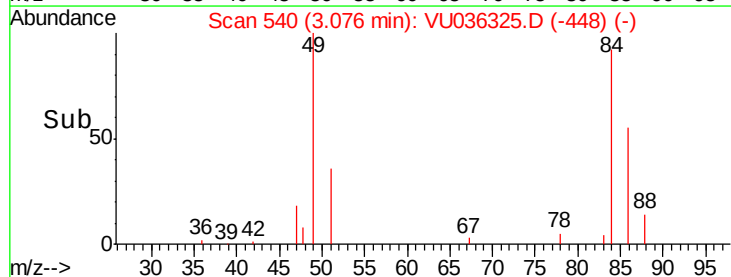
Abundance Ion 84.05 (83.75 to 84.75): VU036323.D (-527) (-)

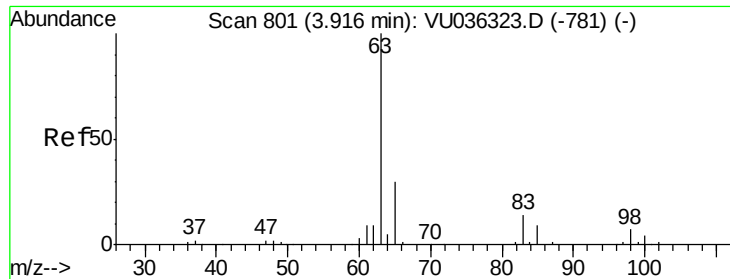
Ion 86.00 (85.70 to 86.70): VU036323.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU036323.D (-527) (-)

3.08

Time-->

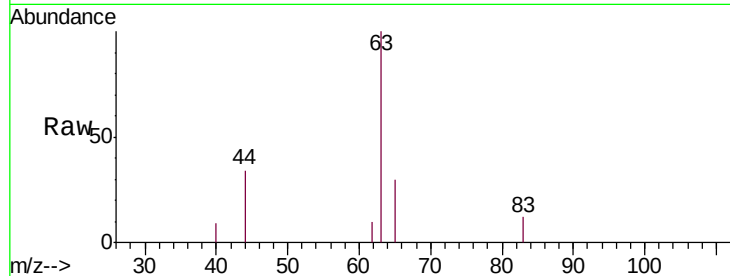




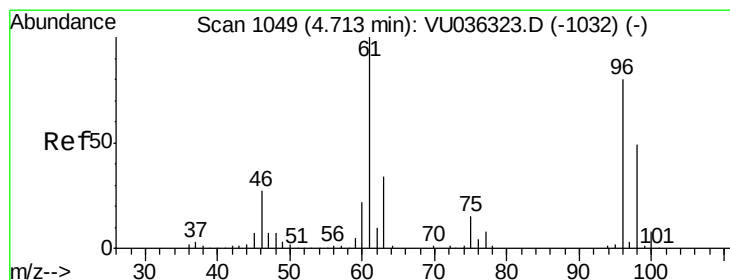
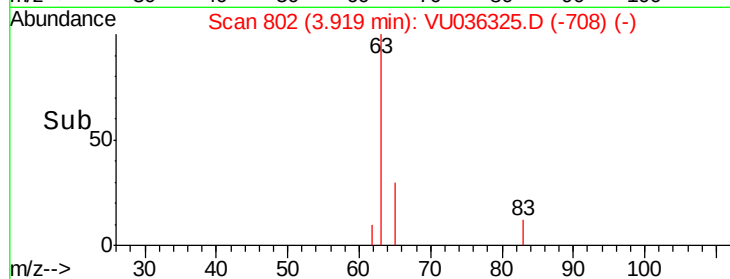
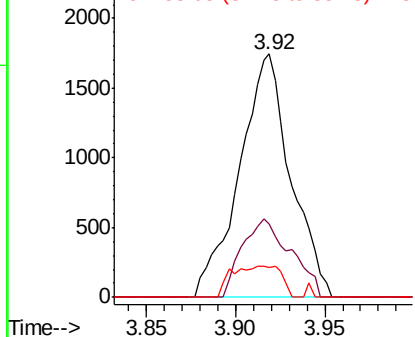
#19
 1,1-Dichloroethane
 Concen: 0.082 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU036325.D
 Acq: 23 Dec 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDZ0DL

Tgt Ion: 63 Resp: 3490
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.6 42.0
 83 12.3 9.7 18.1

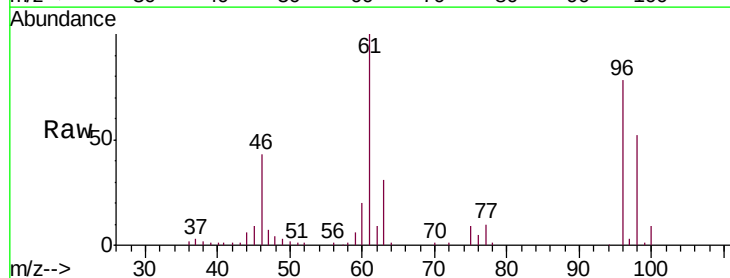


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

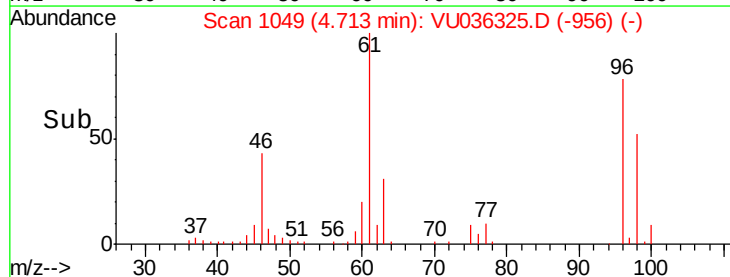
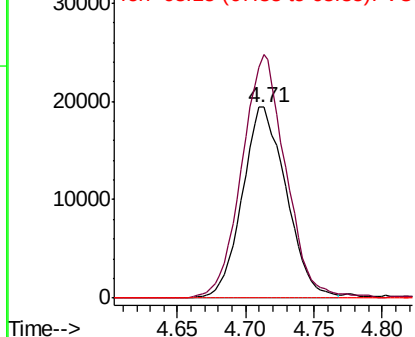


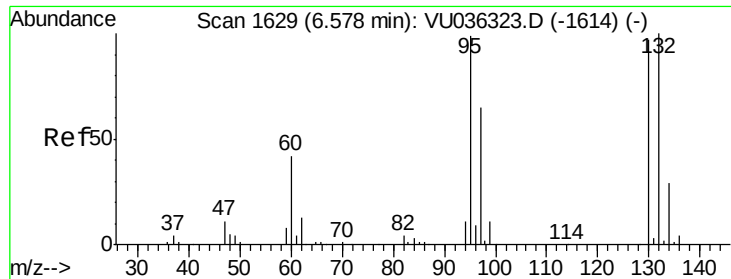
#22
 cis-1,2-Dichloroethene
 Concen: 1.767 ug/L
 RT: 4.71 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU036325.D
 Acq: 23 Dec 2019 14:50

Tgt Ion: 96 Resp: 43434
 Ion Ratio Lower Upper
 96 100
 61 127.7 86.7 161.1
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0





#34

Trichloroethene

Concen: 4.382 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036325.D

Acq: 23 Dec 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

BFDZ0DL

Tgt Ion: 95 Resp: 110527

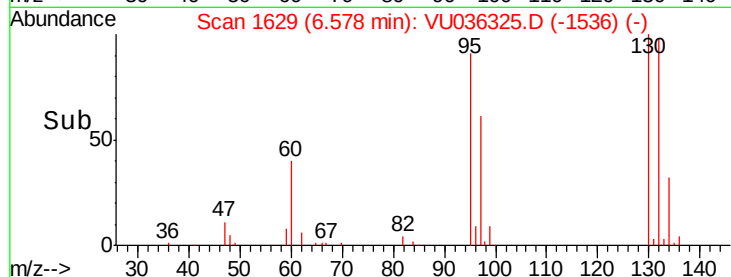
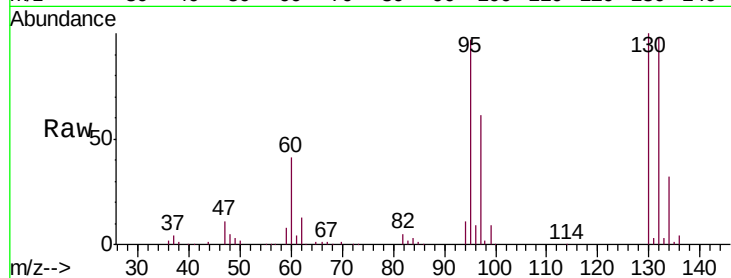
Ion Ratio Lower Upper

95 100

97 63.3 43.6 81.0

132 100.8 69.6 129.2

130 103.1 70.3 130.7

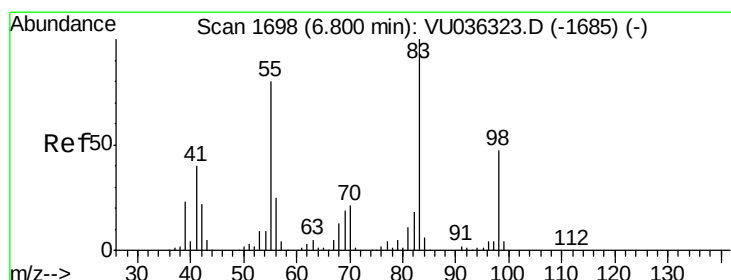
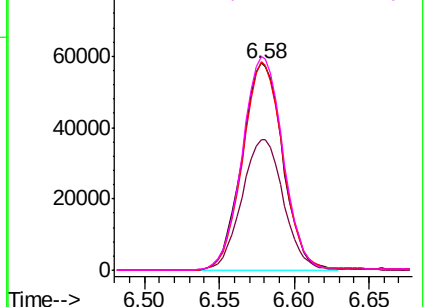


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.672 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.07 min

Lab File: VU036325.D

Acq: 23 Dec 2019 14:50

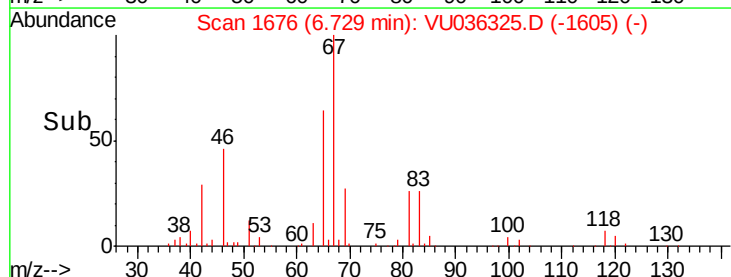
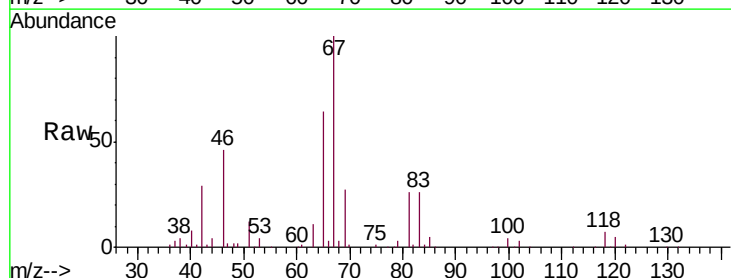
Tgt Ion: 83 Resp: 24085

Ion Ratio Lower Upper

83 100

55 0.4 62.6 94.0#

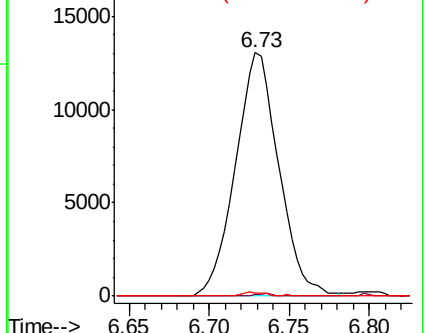
98 0.8 36.2 54.2#

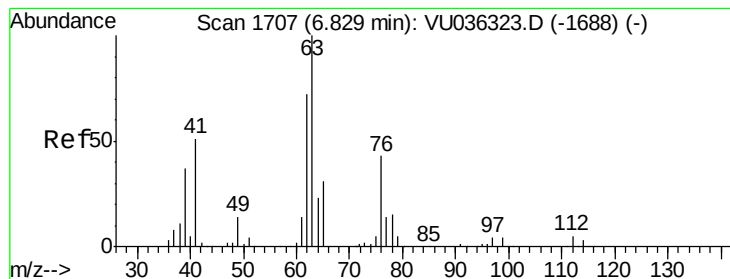


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

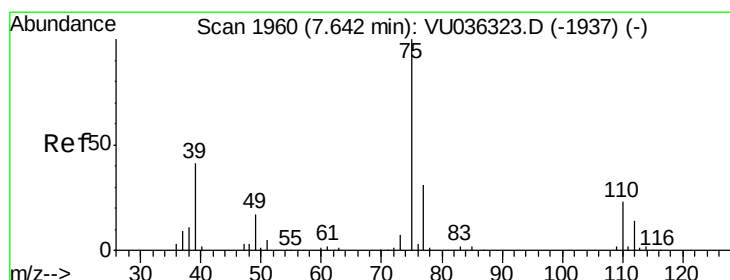
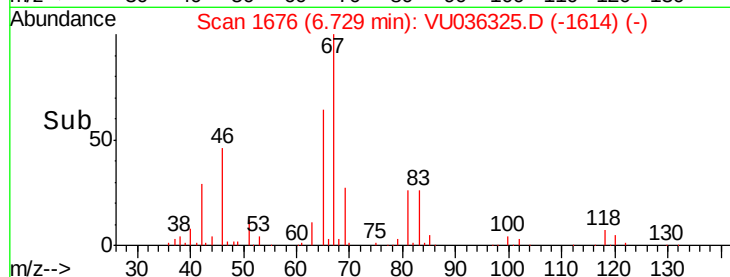
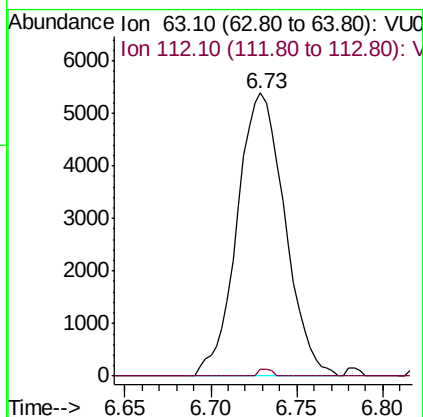
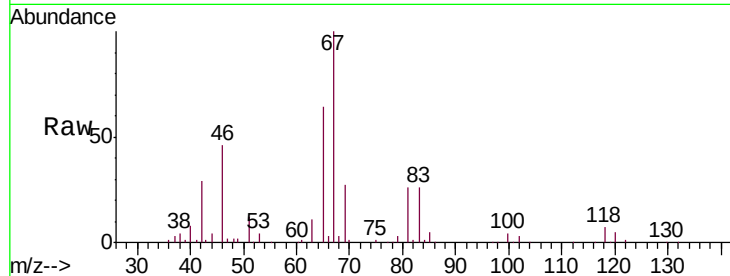




#37
 1,2-Dichloropropane
 Concen: 0.415 ug/L
 RT: 6.73 min Scan# 1676
 Delta R.T. -0.10 min
 Lab File: VU036325.D
 Acq: 23 Dec 2019 14:50

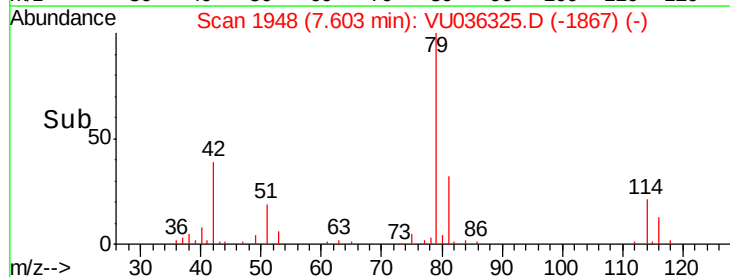
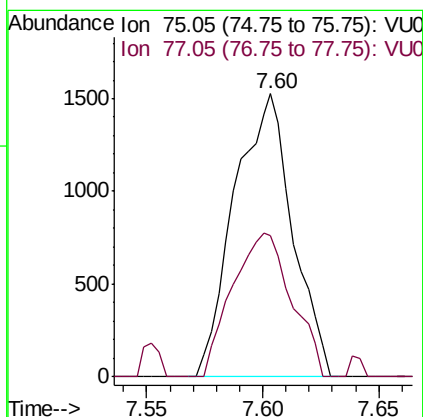
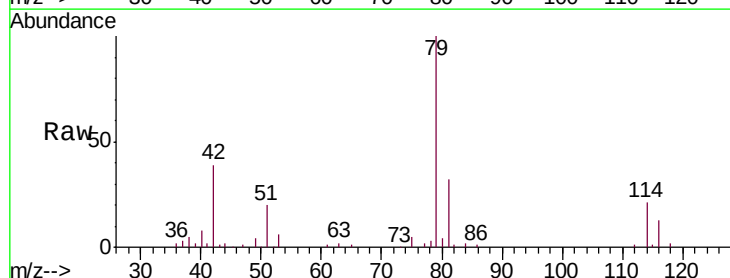
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 BFDZ0DL

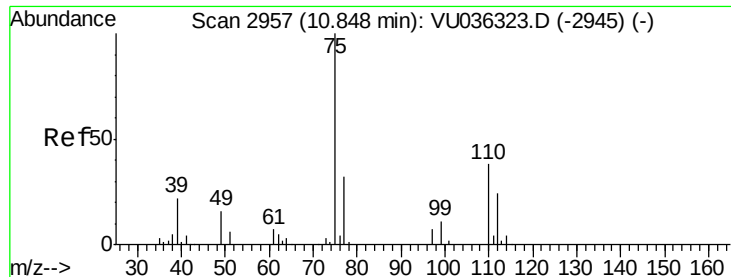
Tgt Ion: 63 Resp: 10352
 Ion Ratio Lower Upper
 63 100
 112 0.7 3.8 5.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.078 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU036325.D
 Acq: 23 Dec 2019 14:50

Tgt Ion: 75 Resp: 2656
 Ion Ratio Lower Upper
 75 100
 77 50.0 22.7 42.1#





#59

1,2,3-Trichloropropane

Concen: 0.889 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU036325.D

Acq: 23 Dec 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

BFDZ0DL

Tgt Ion: 75 Resp: 14743

Ion Ratio Lower Upper

75 100

77 37.2 27.2 40.8

