

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122019\
 Data File : VU036308.D
 Acq On : 20 Dec 2019 11:11
 Operator : JC/MD
 Sample : K6282-04DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDW0DL

Quant Time: Dec 20 22:22:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 20 22:20:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	232542	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	256501	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	101666	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	99681	4.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.40%
7) Chloroethane-d5	1.93	69	92689	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.59	63	107897	3.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.00%
20) 2-Butanone-d5	4.68	46	174901	45.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.18%
24) Chloroform-d	5.11	84	157165	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.75	65	84221	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.77	84	287139	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.73	67	95640	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.93	98	230789	3.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.00%
43) trans-1,3-Dichloropropene-	8.21	79	35087	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.67	63	125029	39.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.24%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	83286	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	90261	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

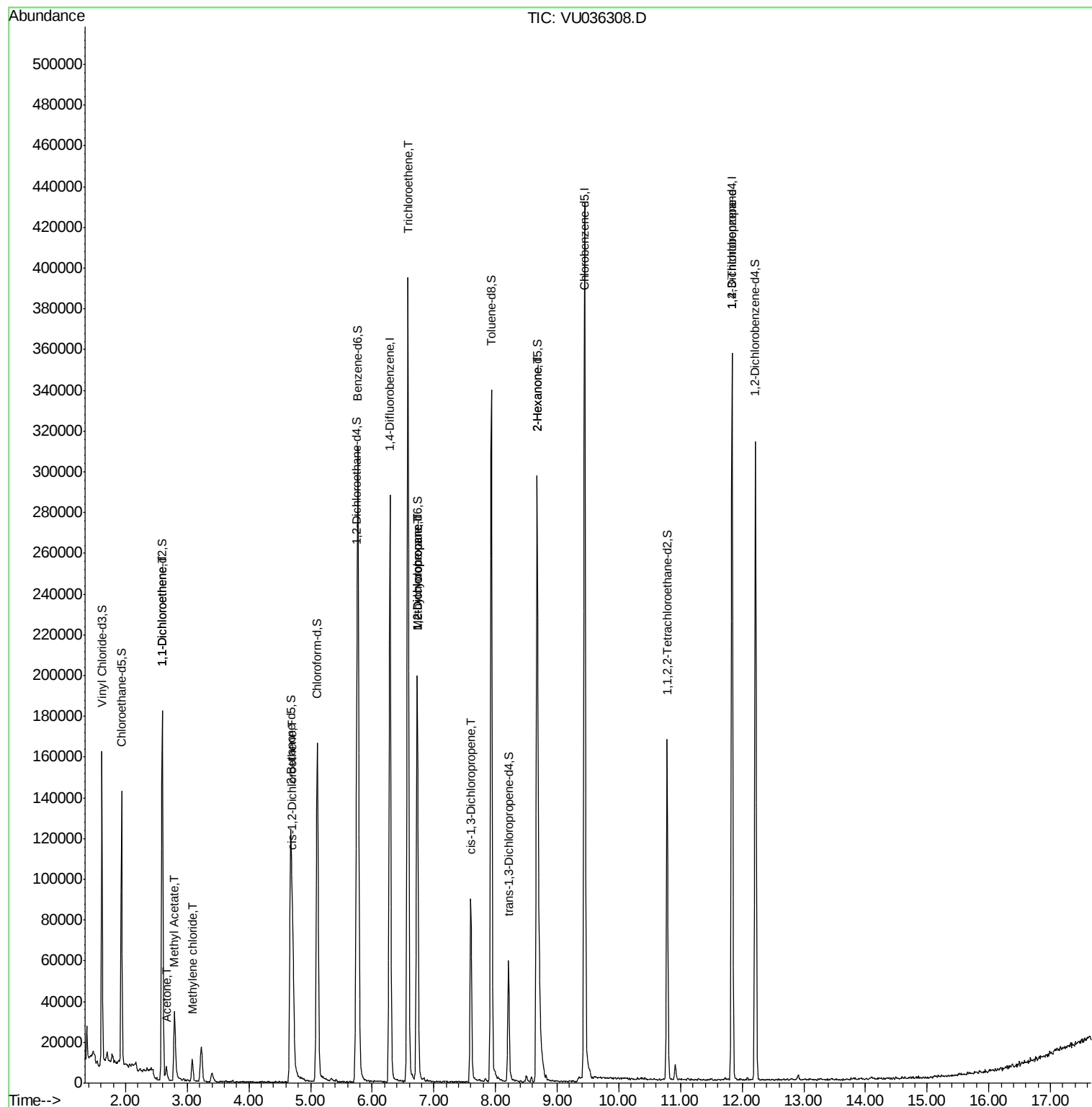
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	1936	0.112	ug/L #	1
13) Acetone	2.66	43	7186	2.149	ug/L	95
15) Methyl Acetate	2.79	43	10671	1.580	ug/L #	49
16) Methylene chloride	3.08	84	4944	0.195	ug/L	83
22) cis-1,2-Dichloroethene	4.71	96	29130	1.503	ug/L	99
34) Trichloroethene	6.58	95	135095	6.647	ug/L	96
35) Methylcyclohexane	6.73	83	22759	0.788	ug/L #	18
37) 1,2-Dichloropropane	6.73	63	10632	0.529	ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	2405	0.088	ug/L #	68
48) 2-Hexanone	8.67	43	16010	2.039	ug/L #	65
59) 1,2,3-Trichloropropane	11.83	75	11078	0.829	ug/L	97

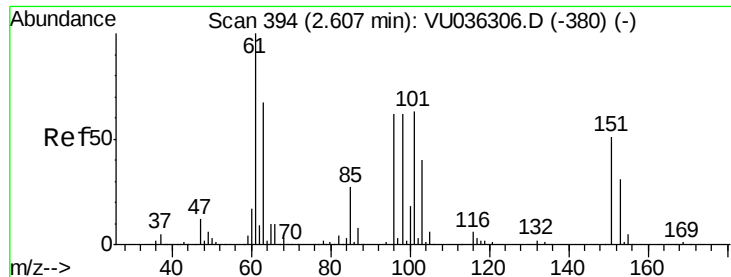
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.112 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU036308.D

Acq: 20 Dec 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

BFDW0DL

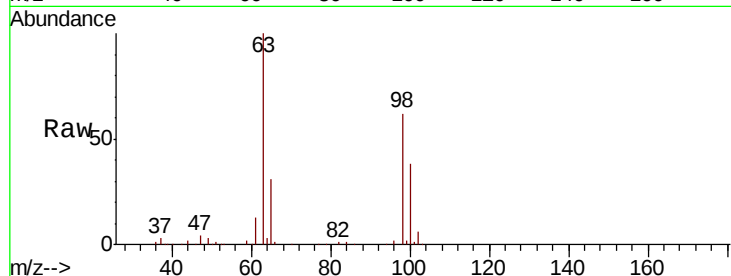
Tot Ion: 96 Resp: 1936

Ion Ratio Lower Upper

96 100

61 753.2 114.0 211.8#

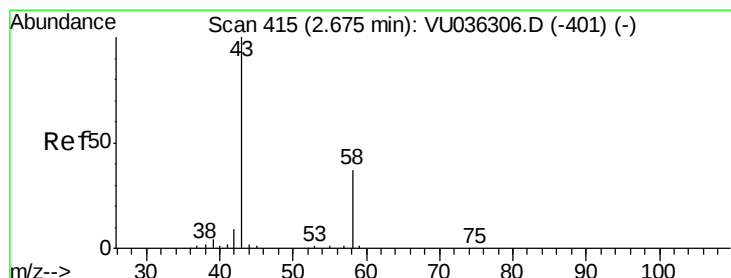
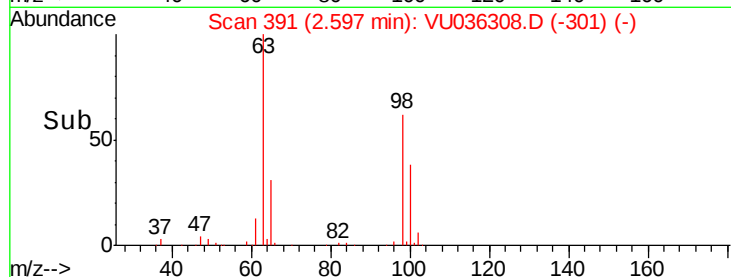
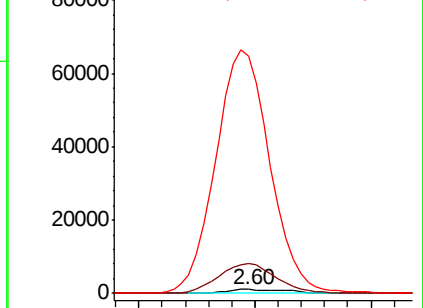
63 6011.9 63.6 118.0#



Abundance Ion 96.00 (95.70 to 96.70): VU036308.D (-391) (-)

Ion 61.05 (60.75 to 61.75): VU036308.D (-391) (-)

Ion 63.00 (62.70 to 63.70): VU036308.D (-391) (-)



#13

Acetone

Concen: 2.149 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.02 min

Lab File: VU036308.D

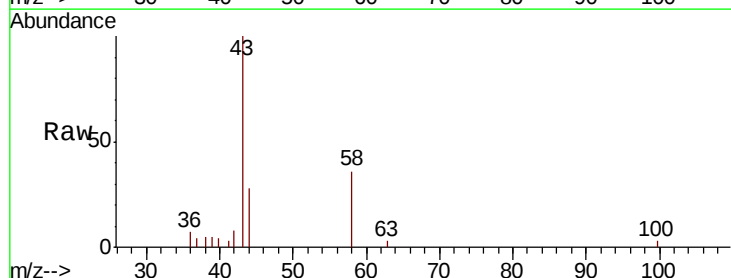
Acq: 20 Dec 2019 11:11

Tgt Ion: 43 Resp: 7186

Ion Ratio Lower Upper

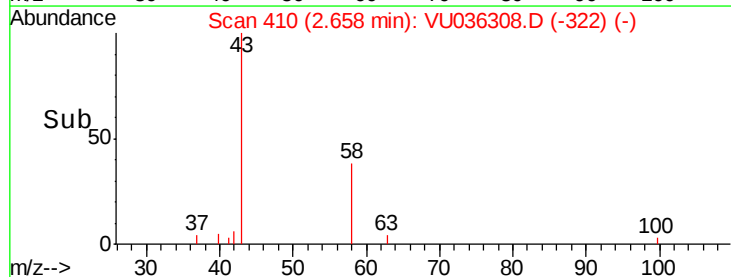
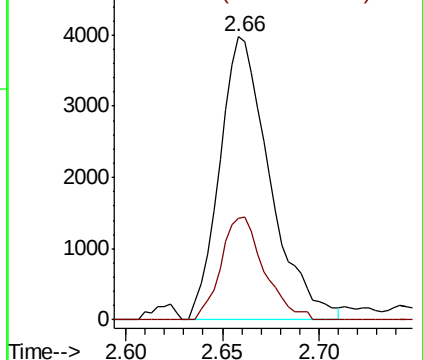
43 100

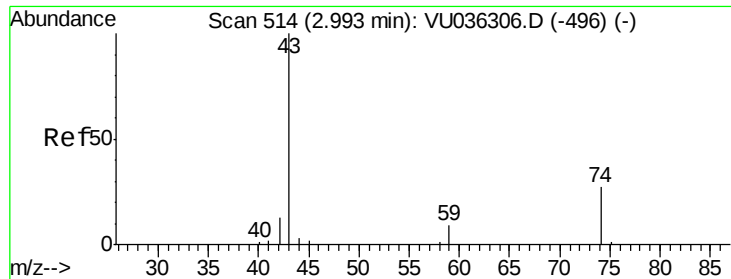
58 31.2 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036308.D (-410) (-)

Ion 58.05 (57.75 to 58.75): VU036308.D (-410) (-)





#15

Methvl Acetate

Concen: 1.580 ug/L

RT: 2.79 min Scan# 452

Delta R.T. -0.20 min

Lab File: VU036308.D

Acq: 20 Dec 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

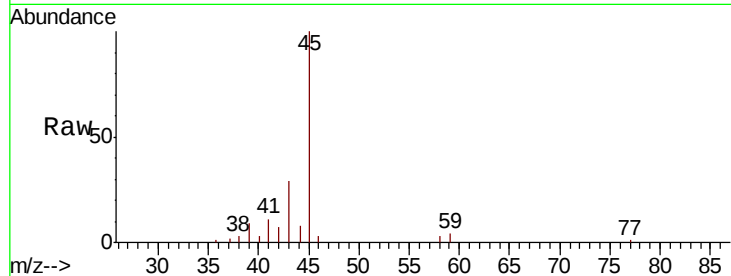
BFDW0DL

Tot Ion: 43 Resp: 10671

Ion Ratio Lower Upper

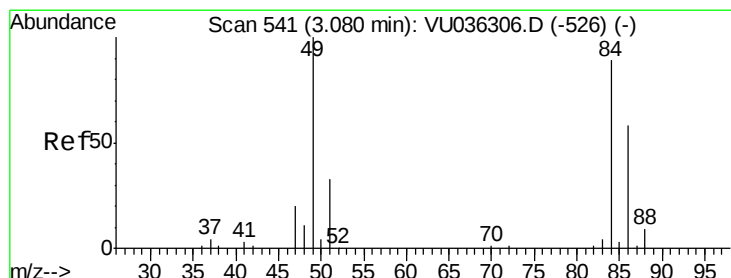
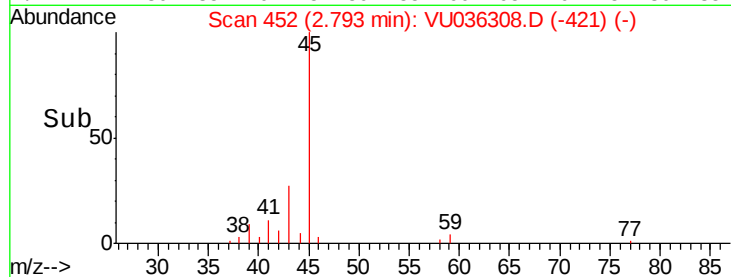
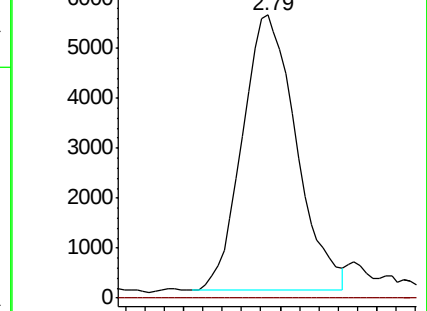
43 100

74 0.0 20.8 31.2#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.195 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036308.D

Acq: 20 Dec 2019 11:11

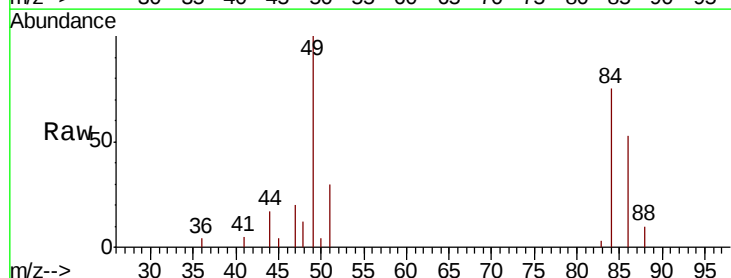
Tgt Ion: 84 Resp: 4944

Ion Ratio Lower Upper

84 100

86 69.8 43.0 79.8

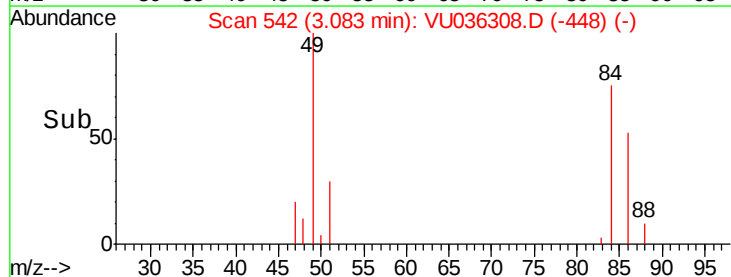
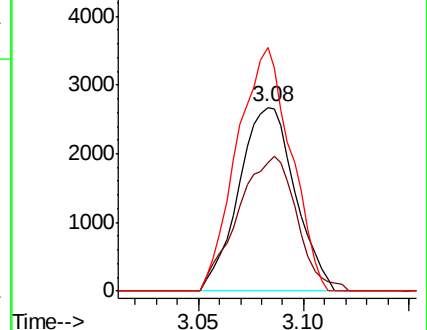
49 132.5 77.3 143.5

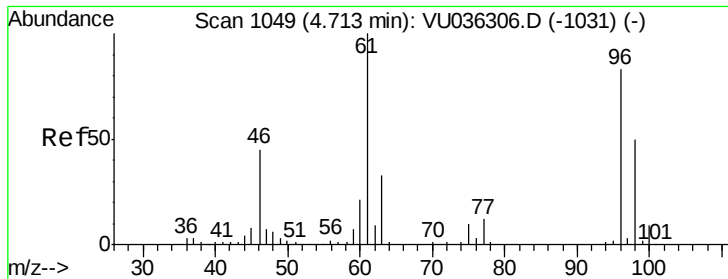


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 1.503 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036308.D

Acq: 20 Dec 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

BFDW0DL

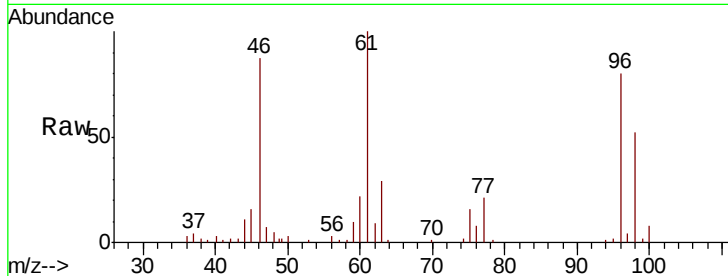
Tot Ion: 96 Resp: 29130

Ion Ratio Lower Upper

96 100

61 125.5 86.7 161.1

68 0.0 0.0 0.0

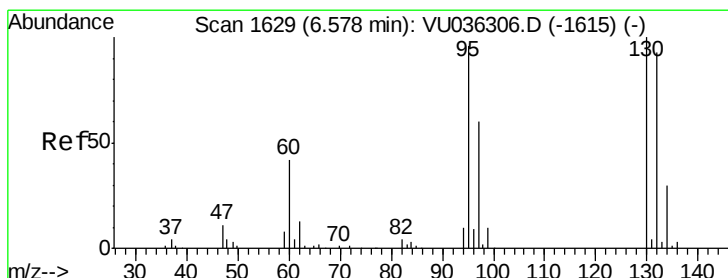
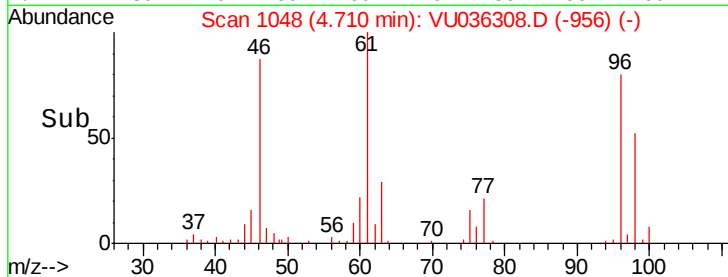
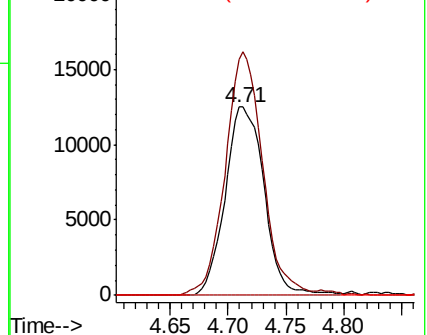


Abundance

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: 6.647 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036308.D

Acq: 20 Dec 2019 11:11

Tgt Ion: 95 Resp: 135095

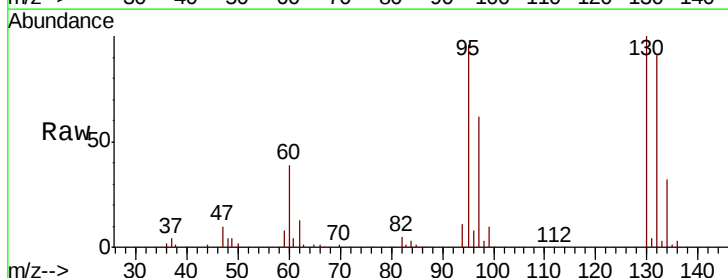
Ion Ratio Lower Upper

95 100

97 64.4 43.6 81.0

132 95.4 69.6 129.2

130 104.6 70.3 130.7



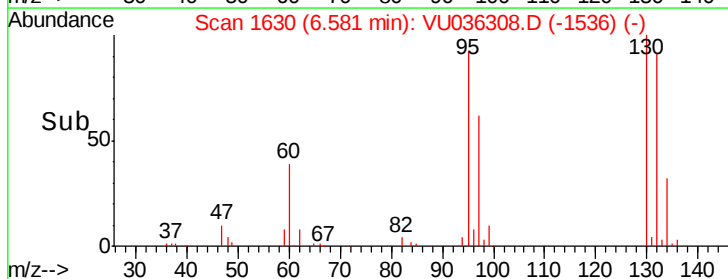
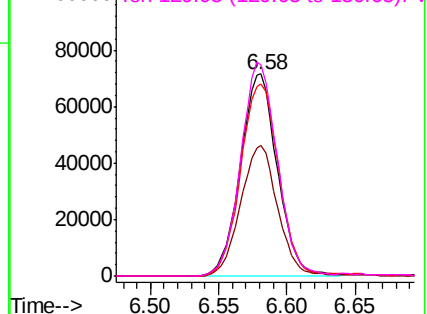
Abundance

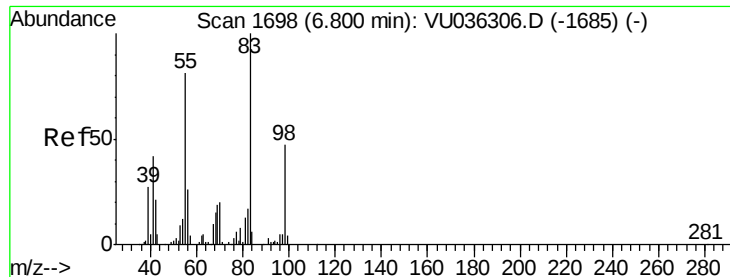
Ion 95.00 (94.70 to 95.70): VU0

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: 0.788 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.07 min

Lab File: VU036308.D

Acq: 20 Dec 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

BFDW0DL

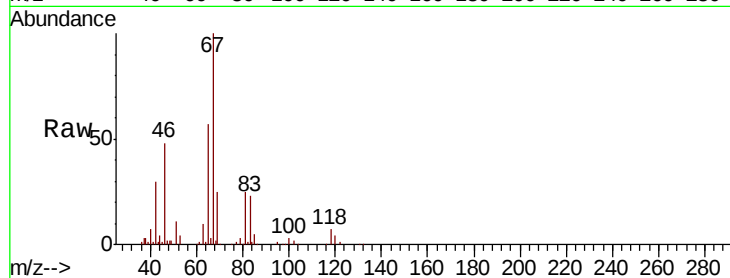
Tot Ion: 83 Resp: 22759

Ion Ratio Lower Upper

83 100

55 0.1 62.6 94.0#

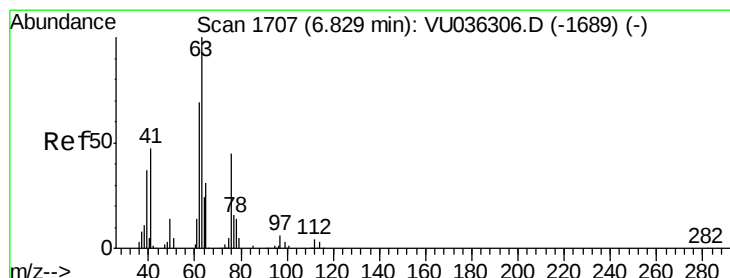
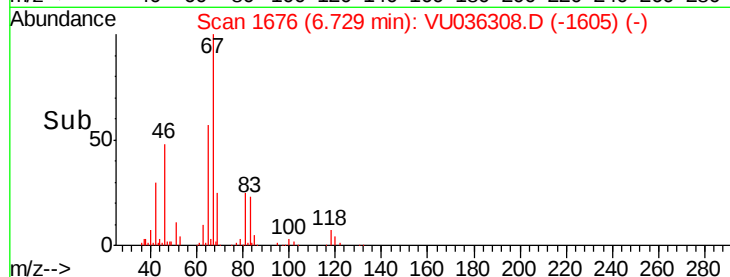
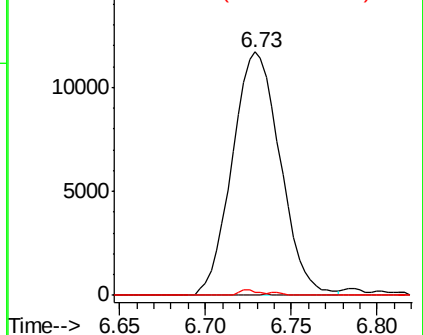
98 0.9 36.2 54.2#



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: 0.529 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.10 min

Lab File: VU036308.D

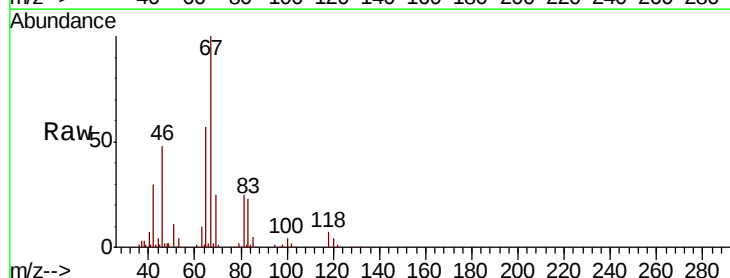
Acq: 20 Dec 2019 11:11

Tgt Ion: 63 Resp: 10632

Ion Ratio Lower Upper

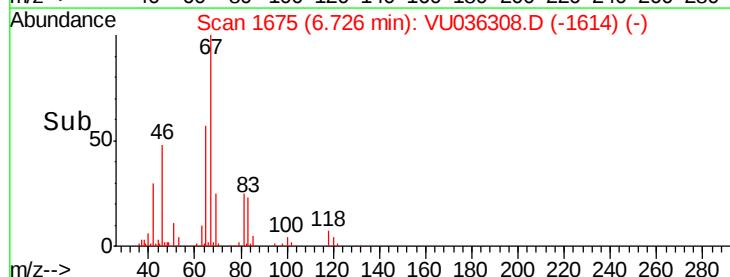
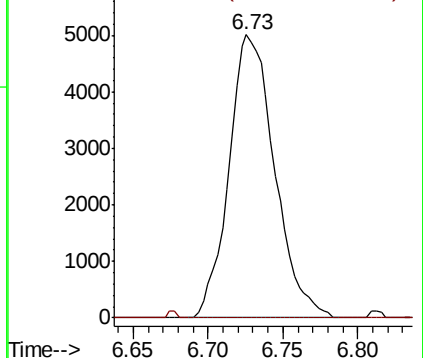
63 100

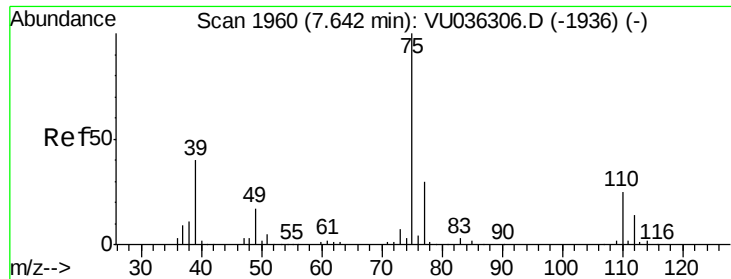
112 0.4 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

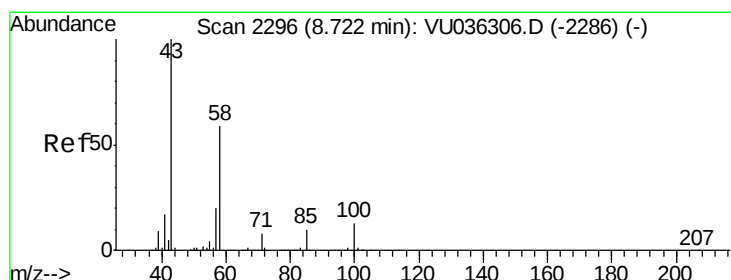
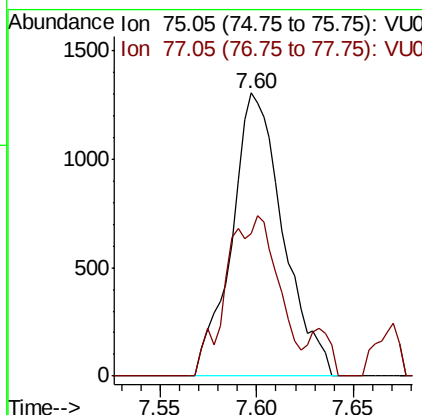
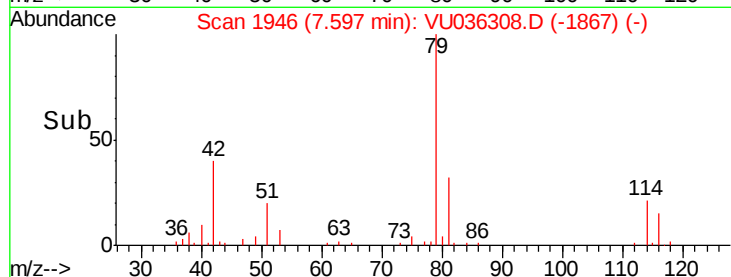
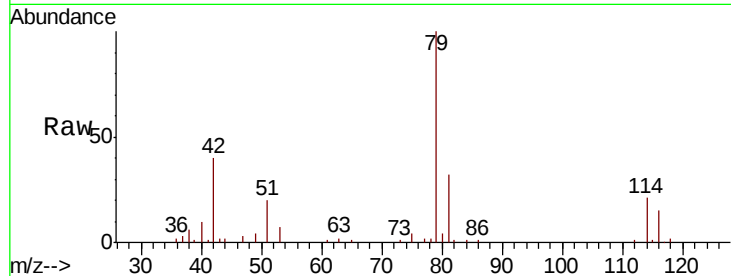




#39
 cis-1,3-Dichloropropene
 Concen: 0.088 ug/L
 RT: 7.60 min Scan# 1946
 Delta R.T. -0.05 min
 Lab File: VU036308.D
 Acq: 20 Dec 2019 11:11

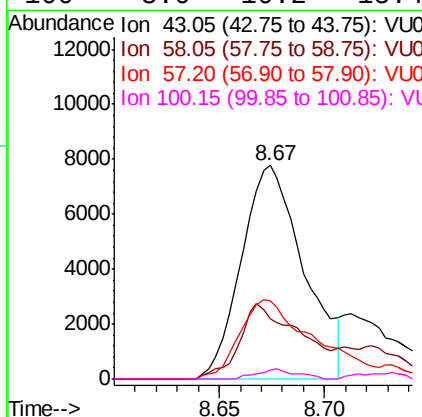
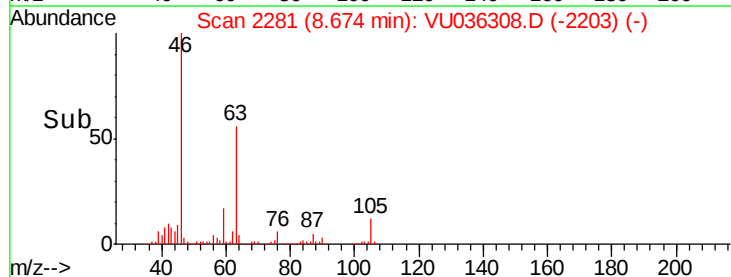
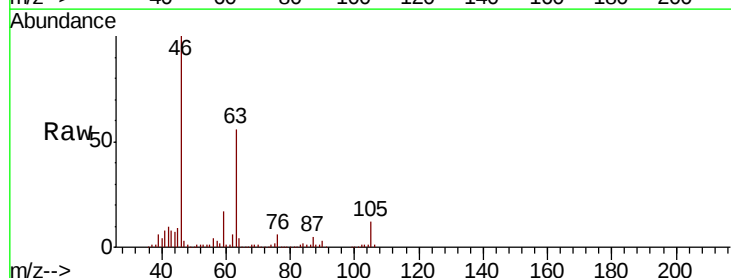
Instrument :
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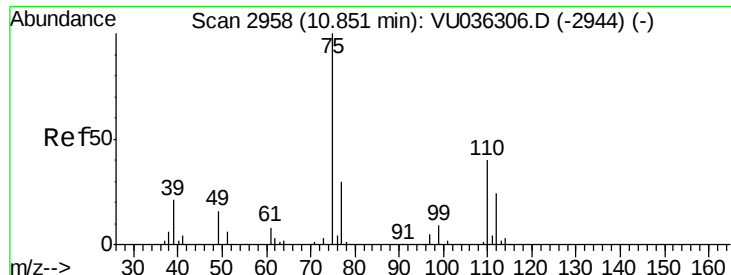
Tot Ion: 75 Resp: 2405
 Ion Ratio Lower Upper
 75 100
 77 50.5 22.7 42.1#



#48
 2-Hexanone
 Concen: 2.039 ug/L
 RT: 8.67 min Scan# 2281
 Delta R.T. -0.05 min
 Lab File: VU036308.D
 Acq: 20 Dec 2019 11:11

Tgt Ion: 43 Resp: 16010
 Ion Ratio Lower Upper
 43 100
 58 34.5 46.2 69.2#
 57 44.5 16.2 24.4#
 100 3.0 10.2 15.4#





#59

1,2,3-Trichloropropane

Concen: 0.829 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.98 min

Lab File: VU036308.D

Acq: 20 Dec 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

BFDW0DL

Tot Ion: 75 Resp: 11078

Ion Ratio Lower Upper

75 100

77 32.5 27.2 40.8

