

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010920\
 Data File : VU036418.D
 Acq On : 09 Jan 2020 14:36
 Operator : JC/MD
 Sample : L1042-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 10 04:09:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 10 04:07:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	395987	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	376958	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	141415	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	142585	46.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.42%
7) Chloroethane-d5	1.93	69	133698	51.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.74%
11) 1,1-Dichloroethene-d2	2.59	63	233707	44.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.92%
21) 2-Butanone-d5	4.68	46	282146	122.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.79%
24) Chloroform-d	5.11	84	329998	61.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	122.56%
26) 1,2-Dichloroethane-d4	5.75	65	224540	62.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	125.76%#
32) Benzene-d6	5.77	84	653689	62.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	124.58%
36) 1,2-Dichloropropane-d6	6.73	67	216641	61.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	123.10%#
41) Toluene-d8	7.93	98	602673	59.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.64%
43) trans-1,3-Dichloropropene-	8.21	79	109801	57.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	114.98%
47) 2-Hexanone-d5	8.67	63	208714	114.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.98%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	313796	58.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	117.56%
64) 1,2-Dichlorobenzene-d4	12.22	152	181041	61.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	122.06%#

Target Compounds

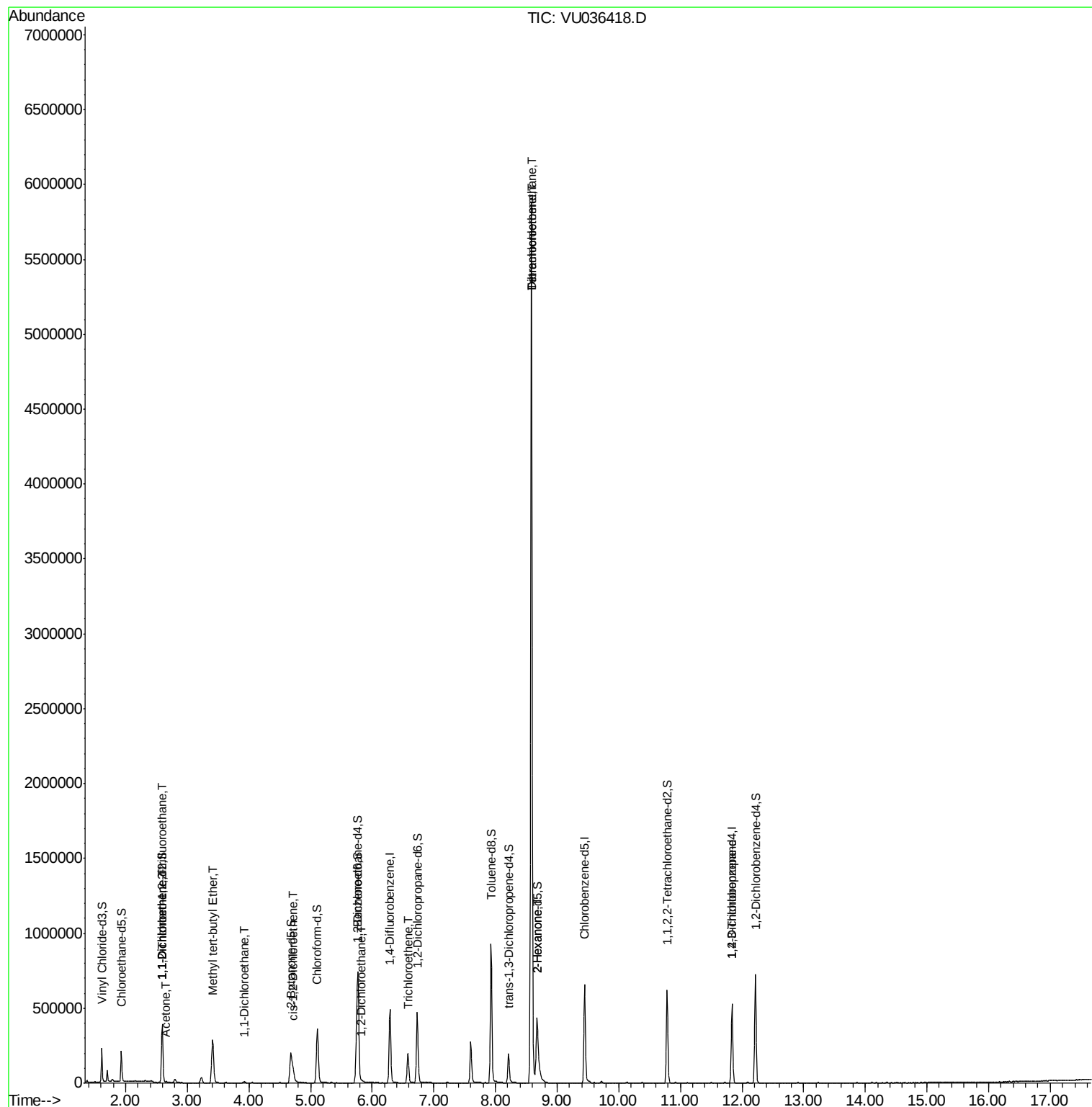
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	1716	0.738	ug/L #	24
12) 1,1-Dichloroethene	2.60	96	2736	1.194	ug/L #	1
13) Acetone	2.66	43	8192	3.437	ug/L	88
18) Methyl tert-butyl Ether	3.41	73	331892	36.931	ug/L	99
19) 1,1-Dichloroethane	3.92	63	10265	2.070	ug/L #	85
20) cis-1,2-Dichloroethene	4.72	96	40778	13.628	ug/L #	96
27) 1,2-Dichloroethane	5.83	62	5408	1.324	ug/L #	93
34) Trichloroethene	6.58	95	64598	22.628	ug/L	98
46) Tetrachloroethene	8.58	164	1151882	560.790	ug/L	95
48) 2-Hexanone	8.67	43	22043	5.622	ug/L #	70
49) Dibromochloromethane	8.58	129	1188111	346.010	ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	20900	4.968	ug/L	91

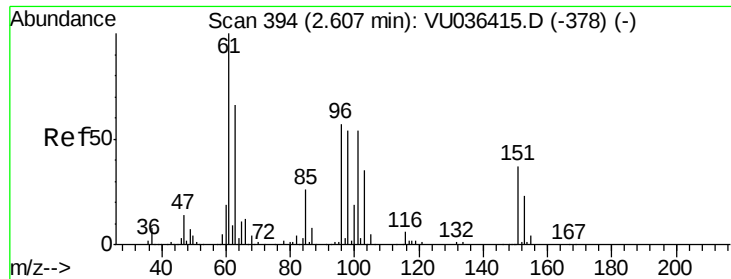
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 10 04:07:29 2020
Response via : Initial Calibration





#10

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

Concen: 0.738 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU036418.D

Acq: 09 Jan 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

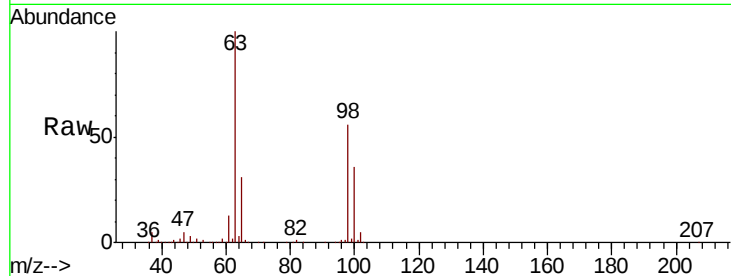
Tot Ion:101 Resp: 1716

Ion Ratio Lower Upper

101 100

85 4.6 37.1 55.7#

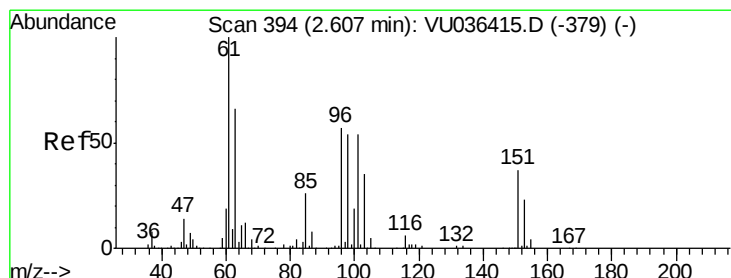
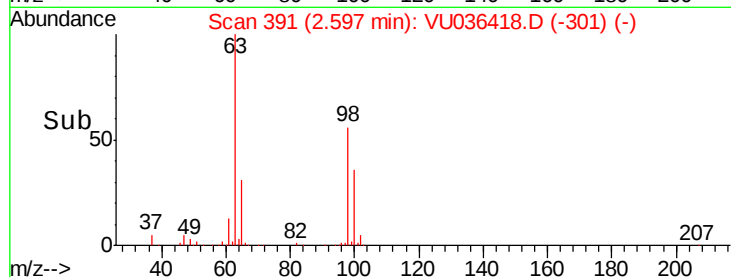
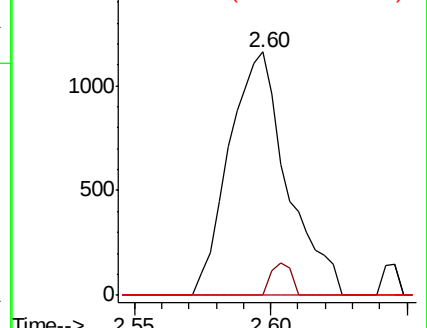
151 0.0 54.3 81.5#



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: 1.194 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU036418.D

Acq: 09 Jan 2020 14:36

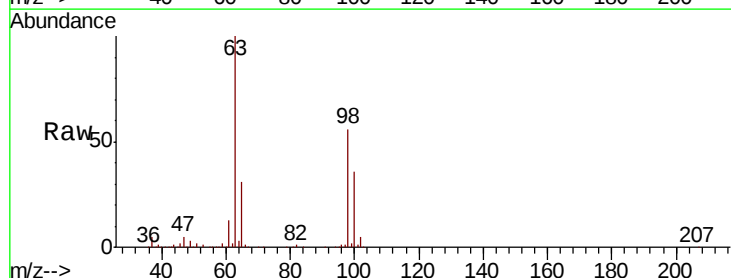
Tgt Ion: 96 Resp: 2736

Ion Ratio Lower Upper

96 100

61 1306.8 120.9 224.5#

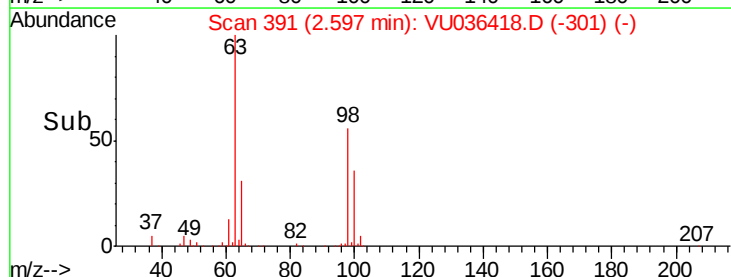
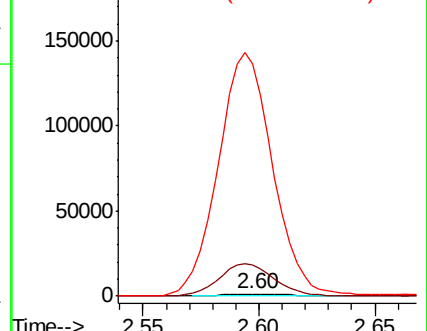
63 9888.0 81.8 152.0#

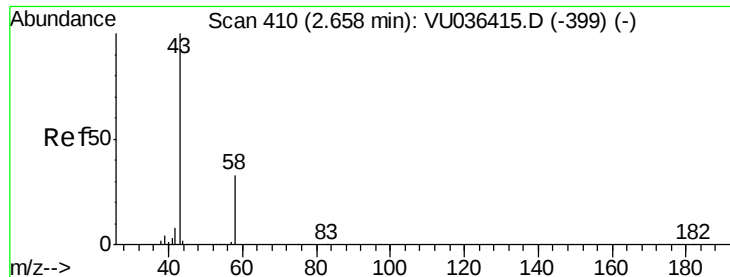


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.437 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036418.D

Acq: 09 Jan 2020 14:36

Instrument :

MSVOA_U

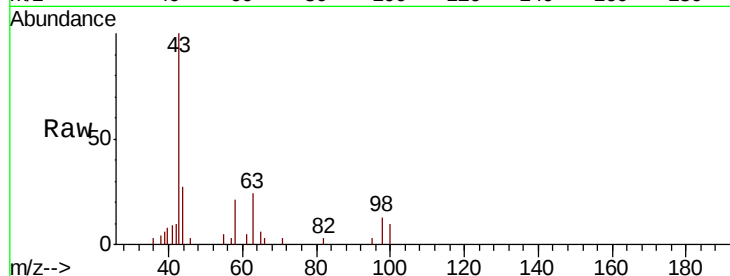
ClientSampled :

Tot Ion: 43 Resp: 8192

Ion Ratio Lower Upper

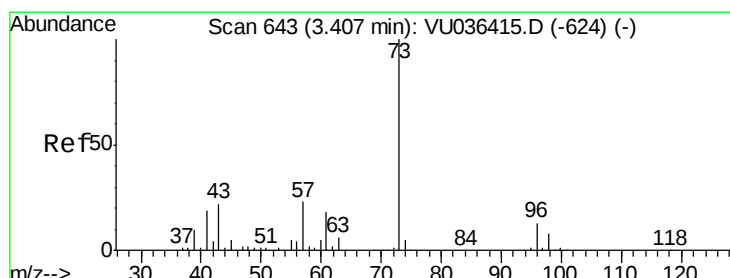
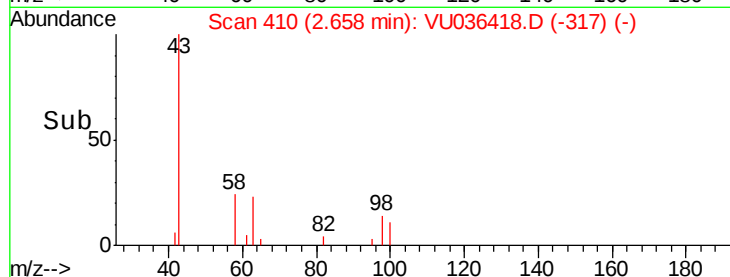
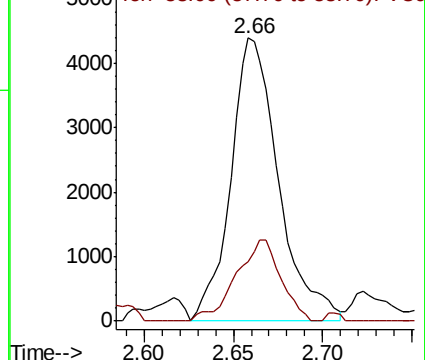
43 100

58 26.1 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl tert-butyl Ether

Concen: 36.931 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036418.D

Acq: 09 Jan 2020 14:36

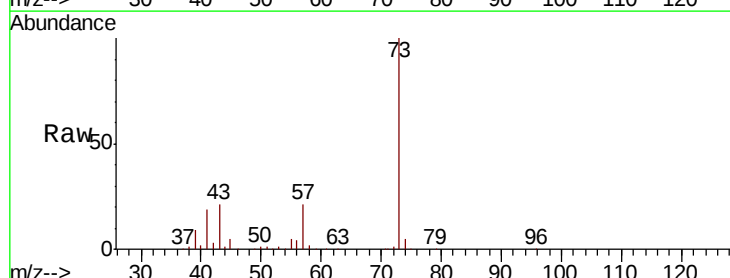
Tgt Ion: 73 Resp: 331892

Ion Ratio Lower Upper

73 100

43 21.2 16.3 24.5

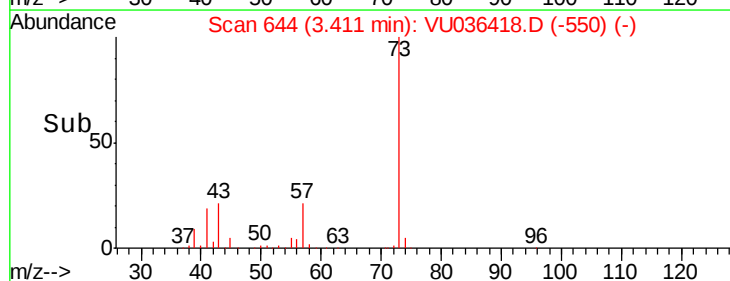
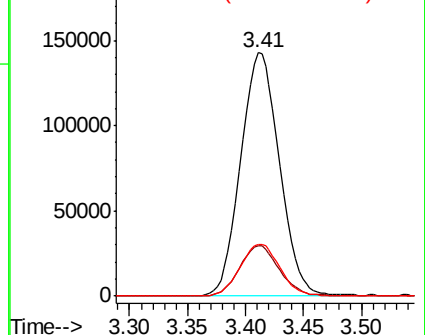
57 21.9 17.7 26.5

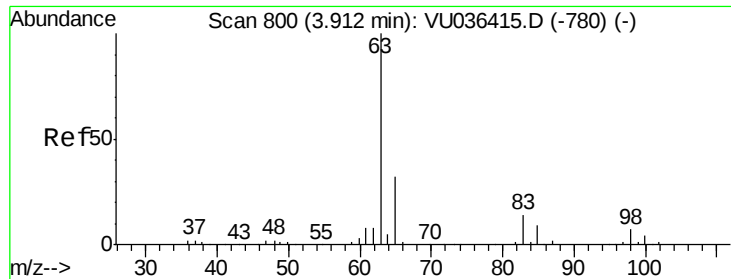


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 2.070 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.01 min

Lab File: VU036418.D

Acq: 09 Jan 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

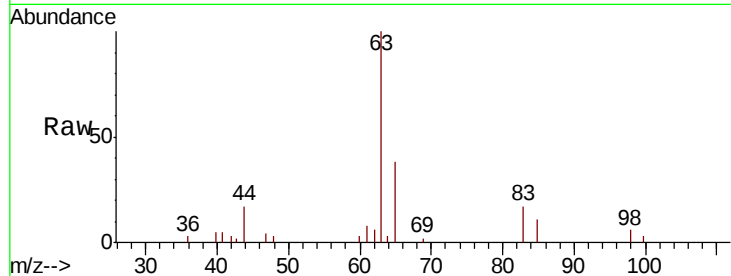
Tot Ion: 63 Resp: 10265

Ion Ratio Lower Upper

63 100

65 38.4 20.0 37.2#

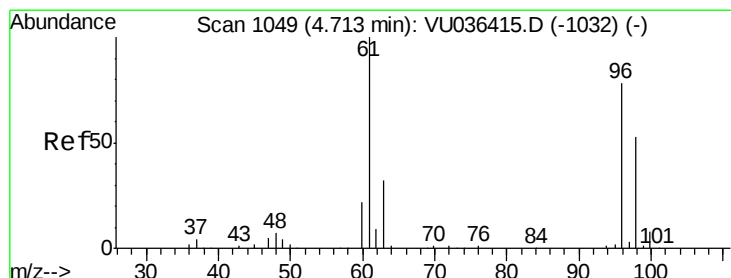
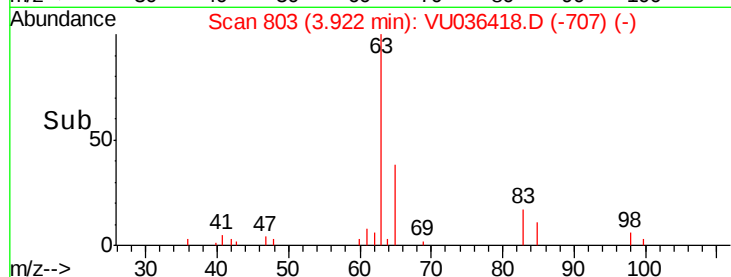
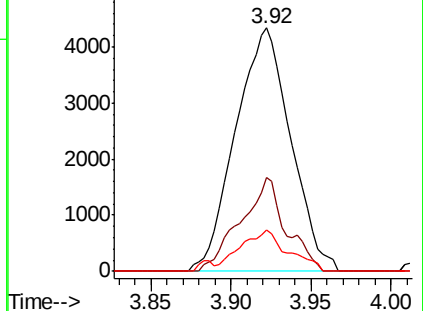
83 16.8 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VU036418.D (-780) (-)

Ion 65.00 (64.70 to 65.70): VU036418.D (-780) (-)

Ion 83.00 (82.70 to 83.70): VU036418.D (-780) (-)



#20

cis-1,2-Dichloroethene

Concen: 13.628 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU036418.D

Acq: 09 Jan 2020 14:36

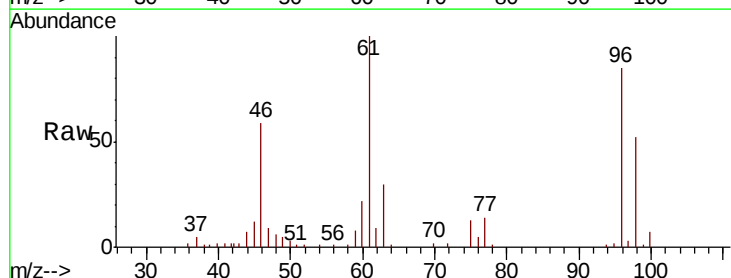
Tgt Ion: 96 Resp: 40778

Ion Ratio Lower Upper

96 100

61 117.0 85.1 158.1

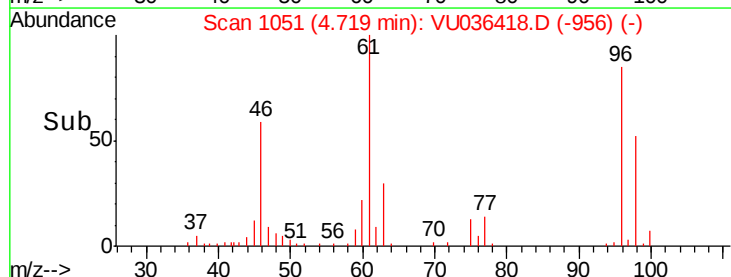
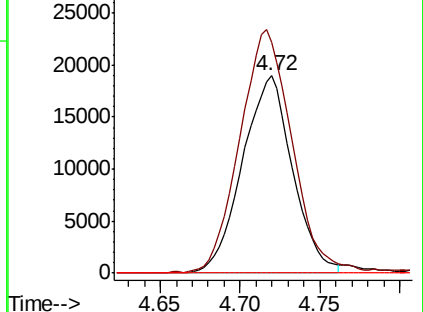
68 0.0 0.1 0.3#

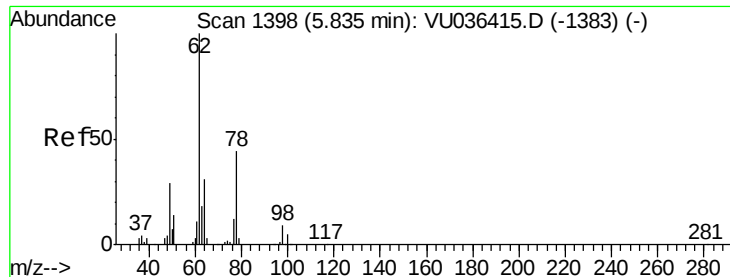


Abundance Ion 96.00 (95.70 to 96.70): VU036418.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU036418.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU036418.D (-956) (-)





#27

1,2-Dichloroethane

Concen: 1.324 ug/L

RT: 5.83 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VU036418.D

Acq: 09 Jan 2020 14:36

Instrument :

MSVOA_U

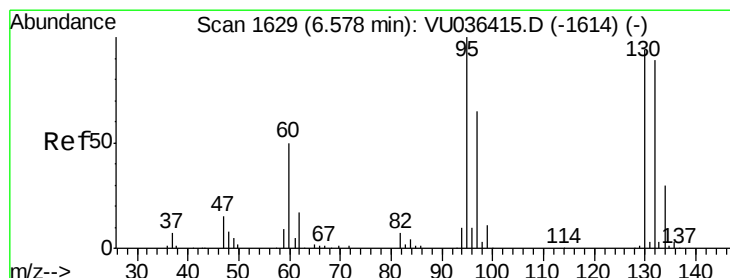
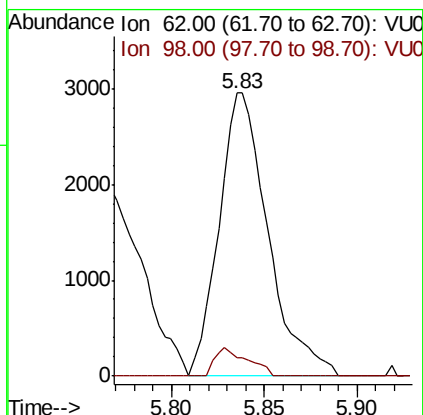
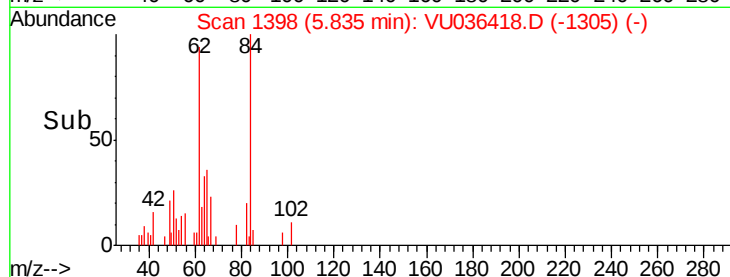
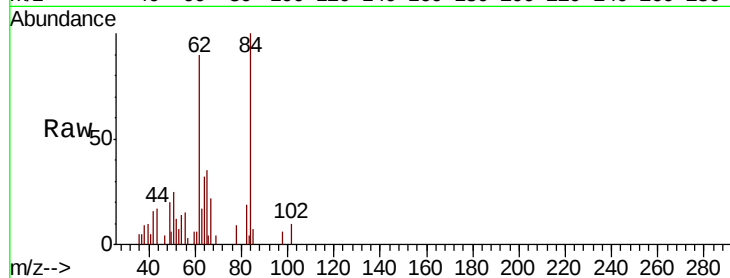
ClientSampleId :

Tot Ion: 62 Resp: 5408

Ion Ratio Lower Upper

62 100

98 6.6 7.3 10.9#



#34

Trichloroethene

Concen: 22.628 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036418.D

Acq: 09 Jan 2020 14:36

Tgt Ion: 95 Resp: 64598

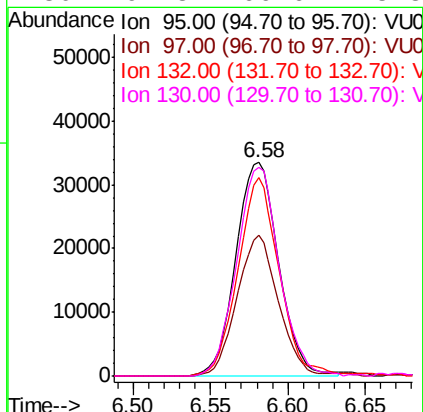
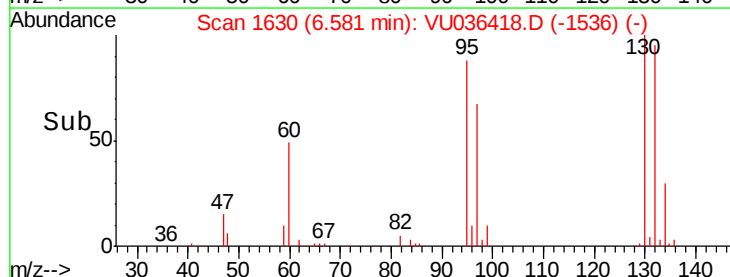
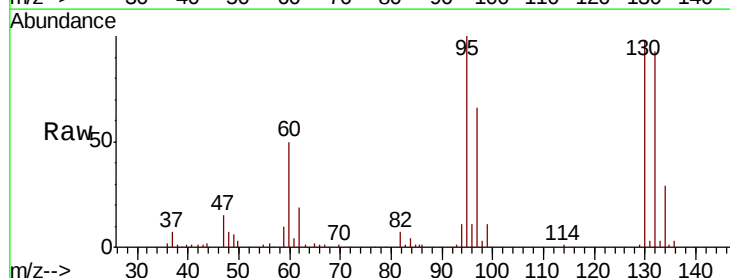
Ion Ratio Lower Upper

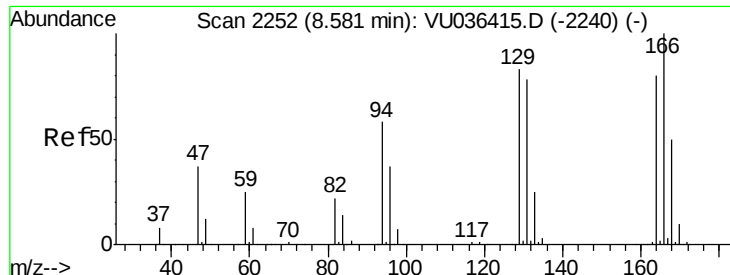
95 100

97 65.8 44.5 82.7

132 92.9 64.5 119.9

130 97.8 66.6 123.8

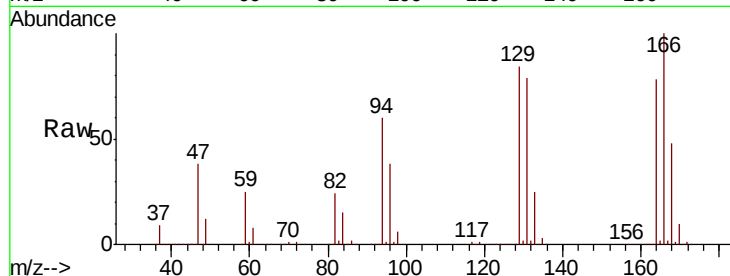




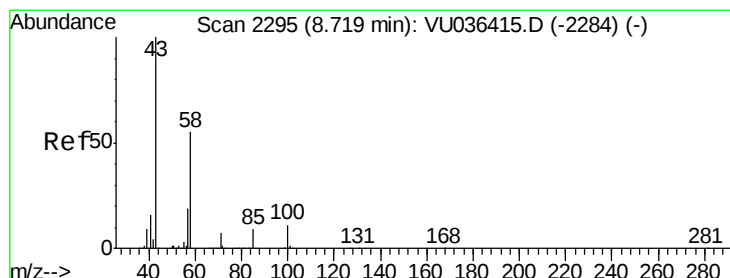
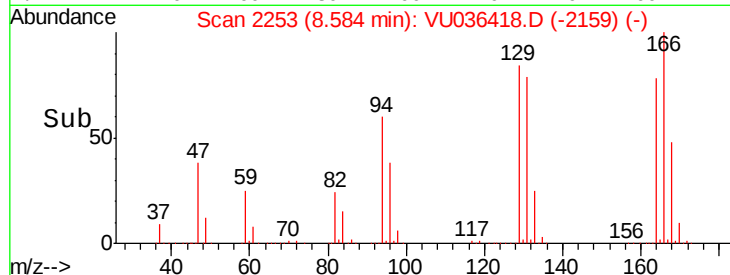
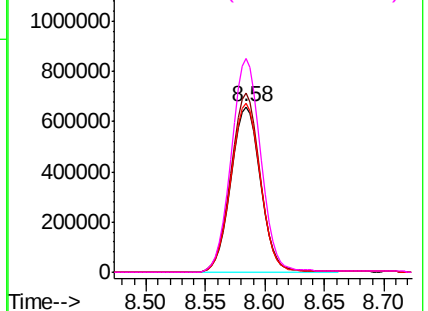
#46
Tetrachloroethene
Concen: 560.790 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU036418.D
Acq: 09 Jan 2020 14:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 1151882
Ion Ratio Lower Upper
164 100
129 108.1 70.0 130.0
131 102.0 70.1 130.1
166 129.0 87.2 161.9

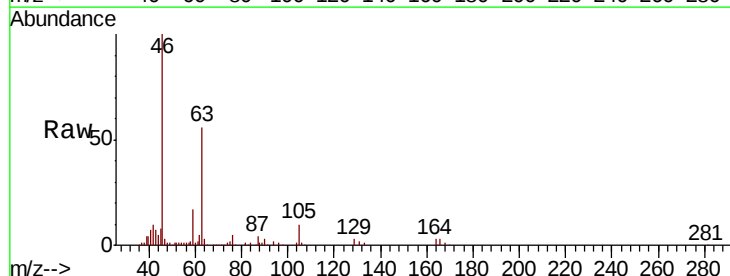


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

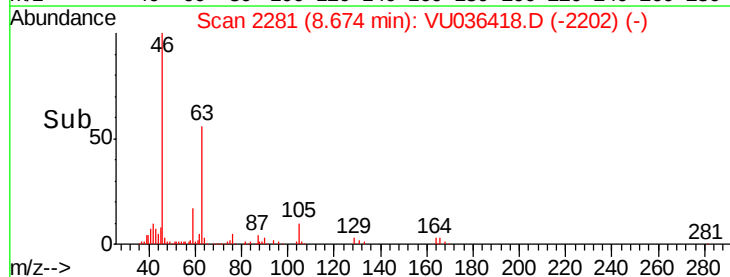
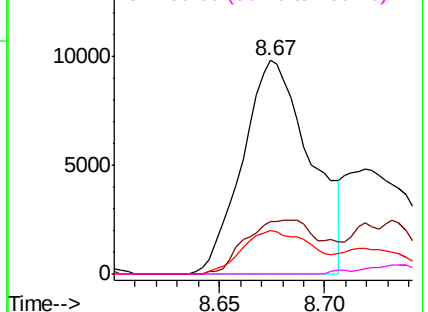


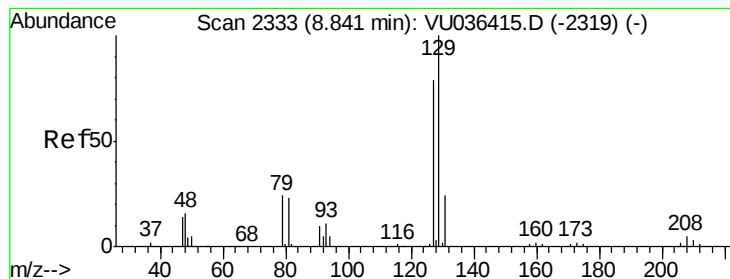
#48
2-Hexanone
Concen: 5.622 ug/L
RT: 8.67 min Scan# 2281
Delta R.T. -0.04 min
Lab File: VU036418.D
Acq: 09 Jan 2020 14:36

Tgt Ion: 43 Resp: 22043
Ion Ratio Lower Upper
43 100
58 25.6 42.2 63.4#
57 20.7 14.8 22.2
100 0.0 8.8 13.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 346.010 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU036418.D

Acq: 09 Jan 2020 14:36

Instrument :

MSVOA_U

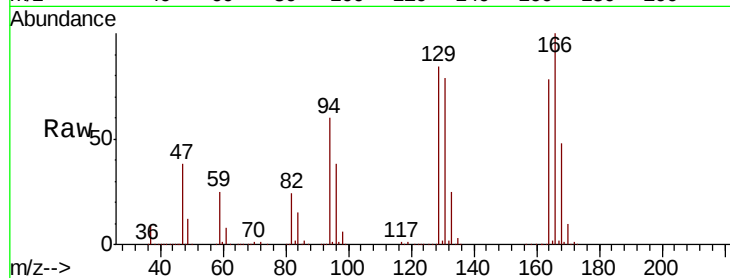
ClientSampled :

Tot Ion:129 Resp: 1188111

Ion Ratio Lower Upper

129 100

127 0.2 54.8 101.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.58

800000

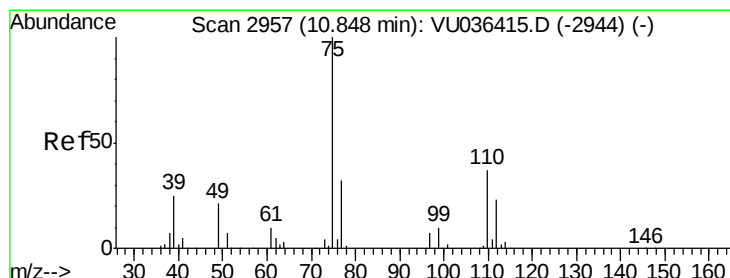
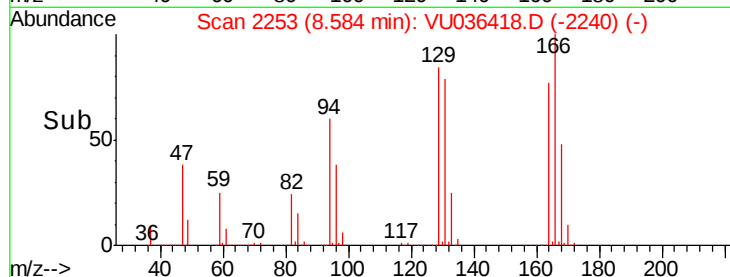
600000

400000

200000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 4.968 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.99 min

Lab File: VU036418.D

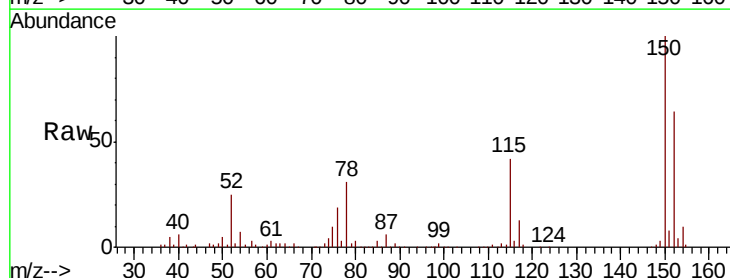
Acq: 09 Jan 2020 14:36

Tgt Ion: 75 Resp: 20900

Ion Ratio Lower Upper

75 100

77 38.2 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.83

15000

10000

5000

0

Time-->

