

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036113.D
 Acq On : 11 Dec 2019 04:11
 Operator : JC/MD
 Sample : K6204-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 11 07:35:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 11 07:30:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	282273	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	313935	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	110974	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	125205	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.93	69	117629	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.59	63	132026	2.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.40%#
20) 2-Butanone-d5	4.70	46	265262	61.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.74%
24) Chloroform-d	5.11	84	200684	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.75	65	105553	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.77	84	381138	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.73	67	124644	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.93	98	301868	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.21	79	43360	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.68	63	207164	57.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.64%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	113891	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	111741	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

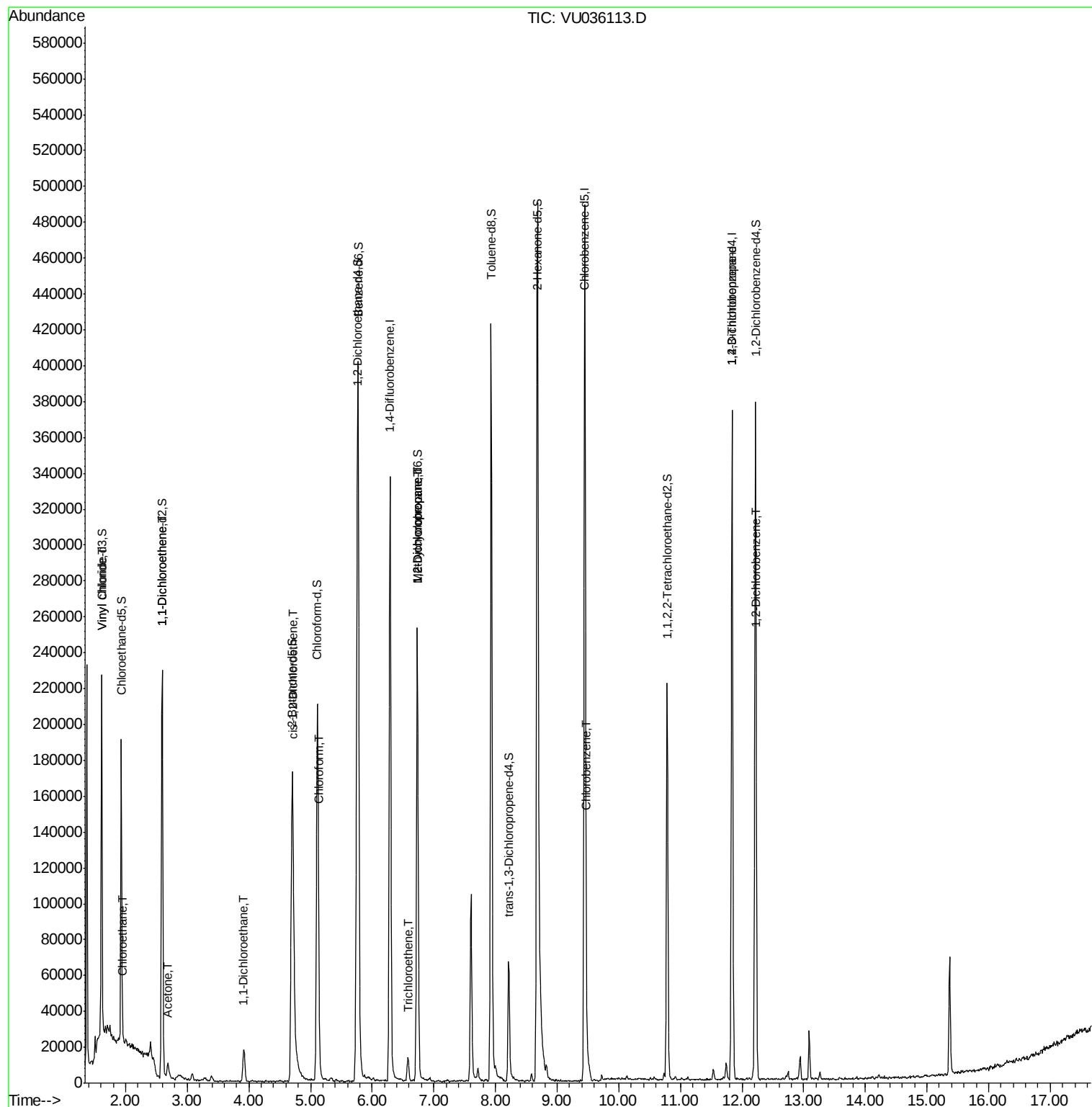
					Ovalue
5) Vinyl chloride	1.62	62	10786	0.382	ug/L # 1
8) Chloroethane	1.96	64	1694	0.079	ug/L # 58
12) 1,1-Dichloroethene	2.60	96	1584	0.064	ug/L # 1
13) Acetone	2.69	43	12887	2.368	ug/L 91
19) 1,1-Dichloroethane	3.92	63	20746	0.551	ug/L 95
22) cis-1,2-Dichloroethene	4.72	96	23048	1.048	ug/L 94
25) Chloroform	5.14	83	7884	0.188	ug/L 94
34) Trichloroethene	6.58	95	4330	0.190	ug/L 96
35) Methylcyclohexane	6.73	83	29651	0.970	ug/L # 19
37) 1,2-Dichloropropane	6.74	63	13103	0.609	ug/L # 89
51) Chlorobenzene	9.48	112	7236	0.113	ug/L 97
59) 1,2,3-Trichloropropane	11.84	75	12666	0.823	ug/L 98
65) 1,2-Dichlorobenzene	12.24	146	4181	0.117	ug/L # 86

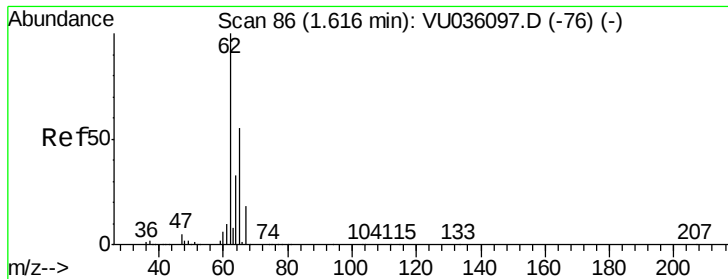
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 11 07:30:58 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.382 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036113.D

Acq: 11 Dec 2019 04:11

Instrument :

MSVOA_U

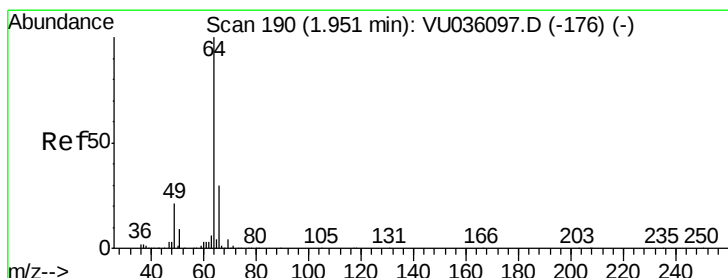
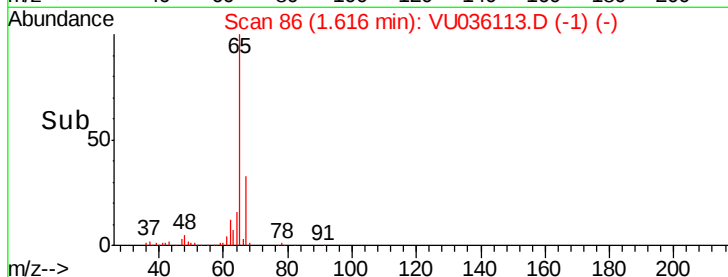
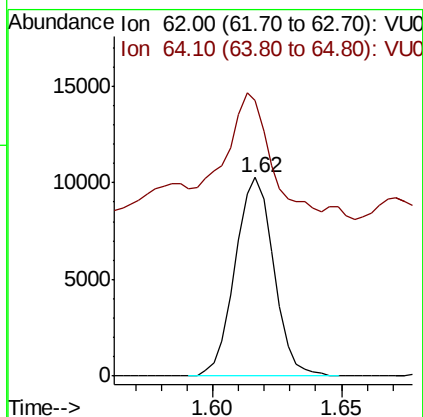
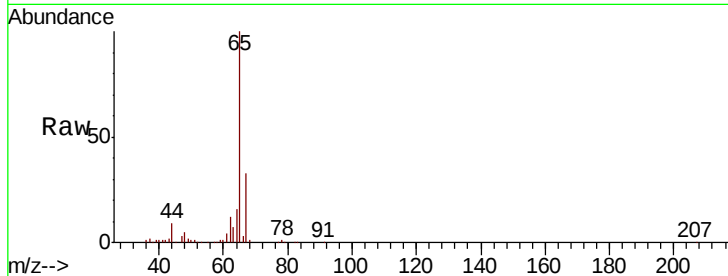
ClientSampleId :

Tot Ion: 62 Resp: 10786

Ion Ratio Lower Upper

62 100

64 138.6 24.3 45.1#



#8

Chloroethane

Concen: 0.079 ug/L

RT: 1.96 min Scan# 193

Delta R.T. 0.01 min

Lab File: VU036113.D

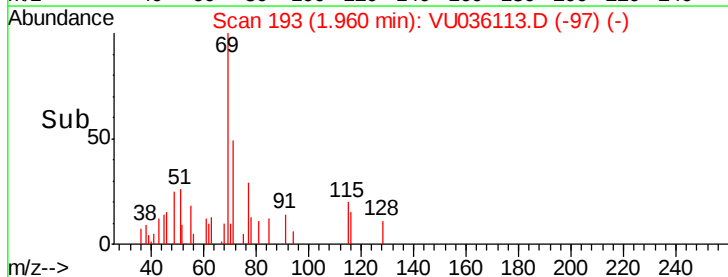
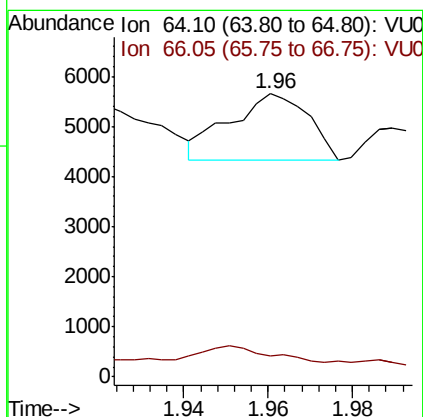
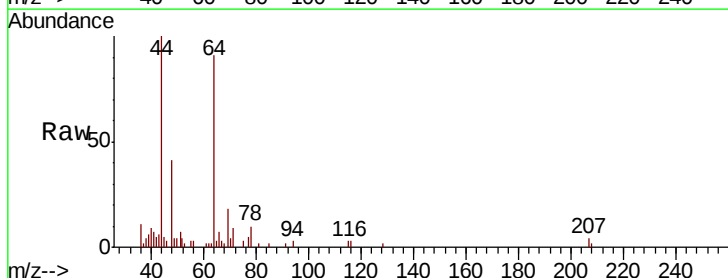
Acq: 11 Dec 2019 04:11

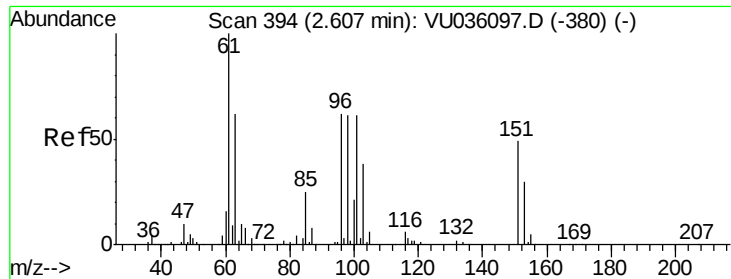
Tgt Ion: 64 Resp: 1694

Ion Ratio Lower Upper

64 100

66 7.6 21.5 39.9#





#12

1,1-Dichloroethene

Concen: 0.064 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU036113.D

Acq: 11 Dec 2019 04:11

Instrument :

MSVOA_U

ClientSampleId :

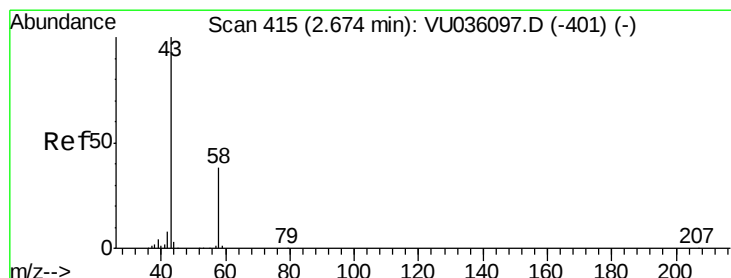
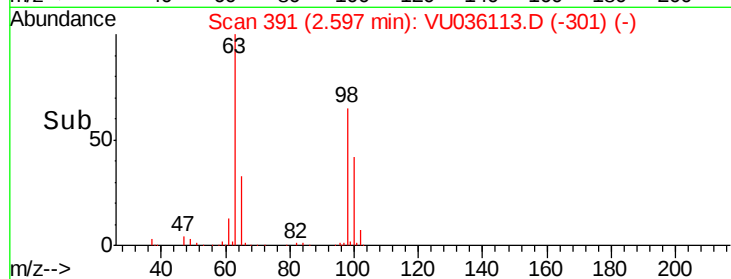
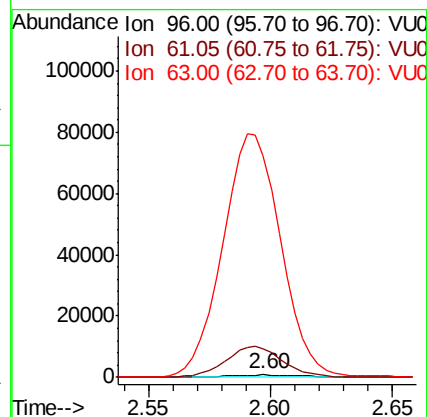
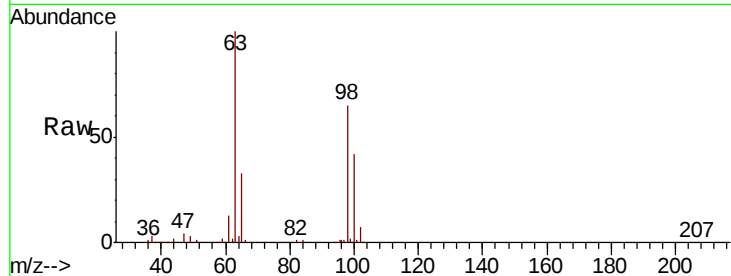
Tot Ion: 96 Resp: 1584

Ion Ratio Lower Upper

96 100

61 886.4 104.3 193.7#

63 6932.6 65.6 121.8#



#13

Acetone

Concen: 2.368 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.01 min

Lab File: VU036113.D

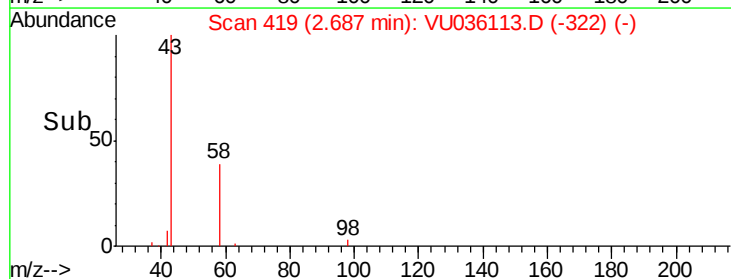
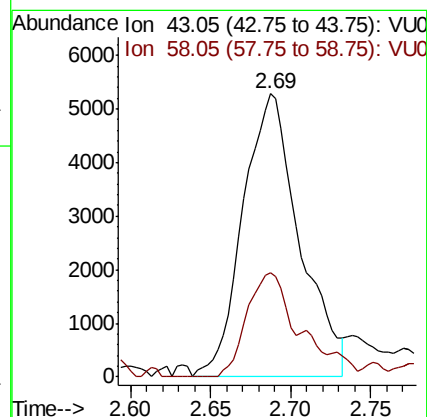
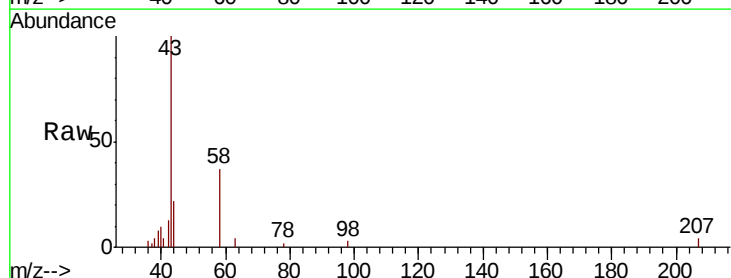
Acq: 11 Dec 2019 04:11

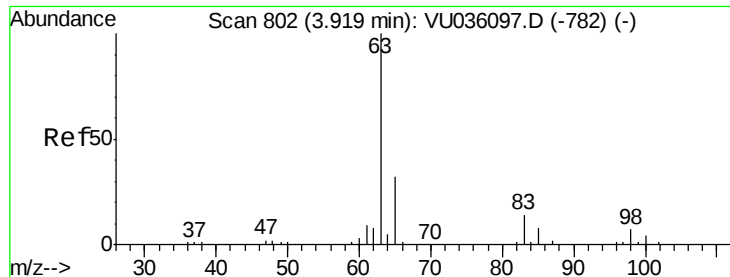
Tgt Ion: 43 Resp: 12887

Ion Ratio Lower Upper

43 100

58 31.7 0.0 74.2

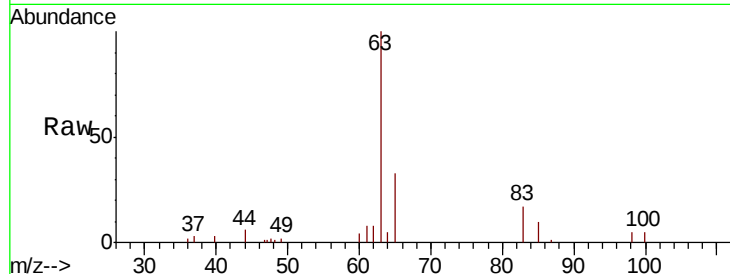




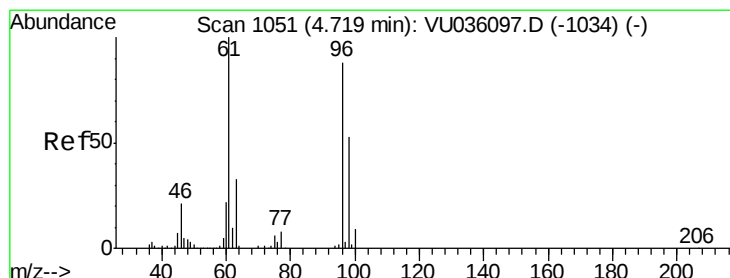
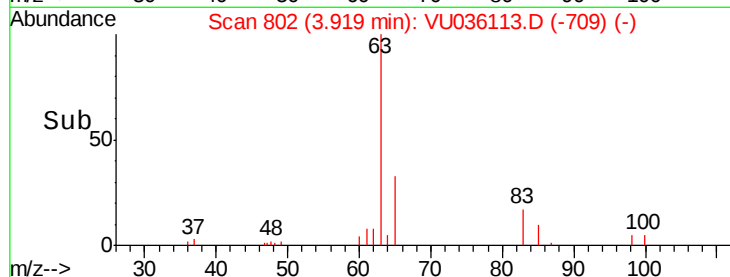
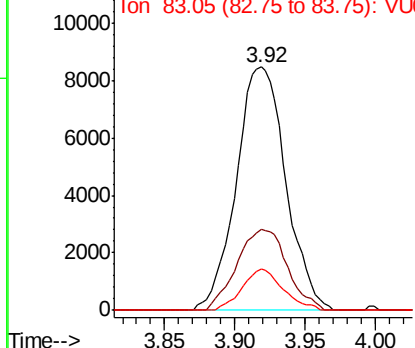
#19
 1,1-Dichloroethane
 Concen: 0.551 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VU036113.D
 Acq: 11 Dec 2019 04:11

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 20746
 Ion Ratio Lower Upper
 63 100
 65 33.3 21.8 40.4
 83 16.9 10.1 18.9

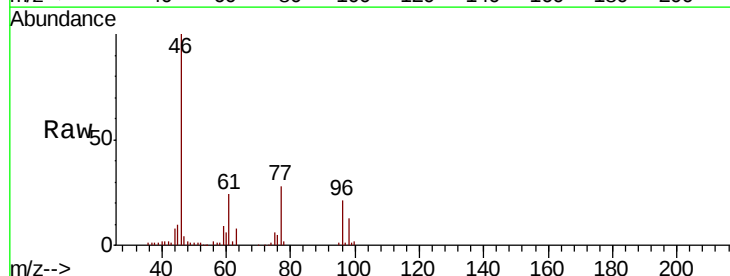


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

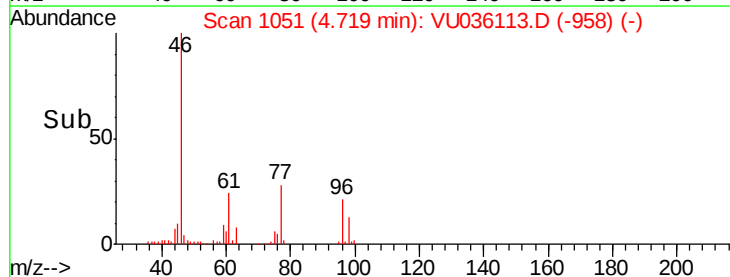
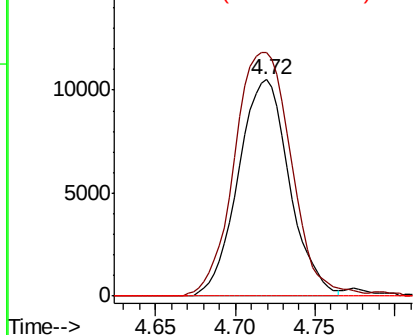


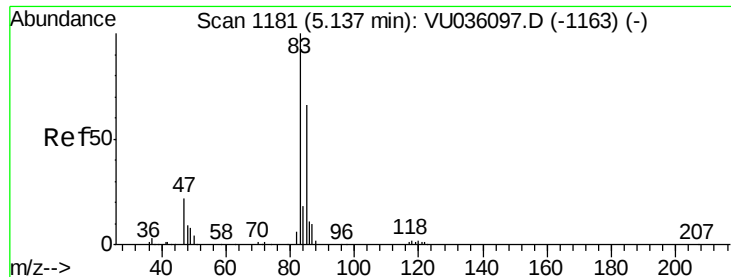
#22
 cis-1,2-Dichloroethene
 Concen: 1.048 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU036113.D
 Acq: 11 Dec 2019 04:11

Tgt Ion: 96 Resp: 23048
 Ion Ratio Lower Upper
 96 100
 61 112.4 83.0 154.2
 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





#25

Chloroform

Concen: 0.188 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU036113.D

Acq: 11 Dec 2019 04:11

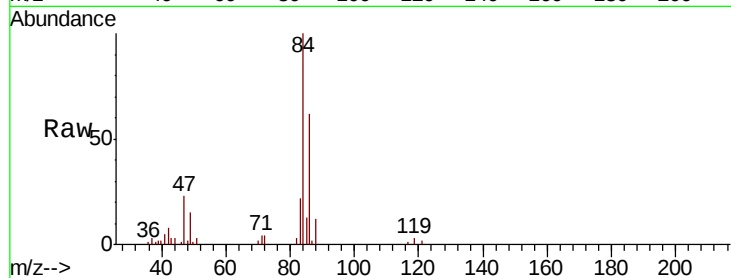
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 7884

Ion Ratio Lower Upper

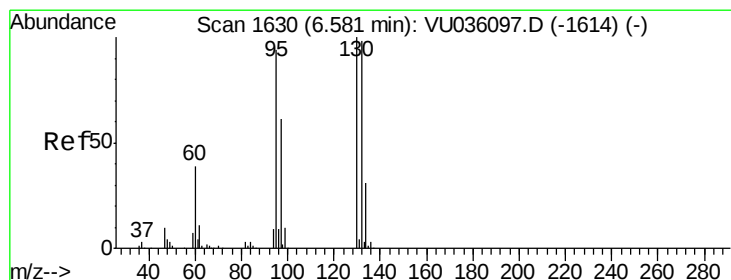
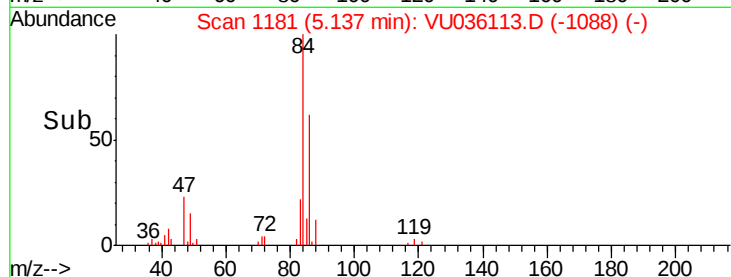
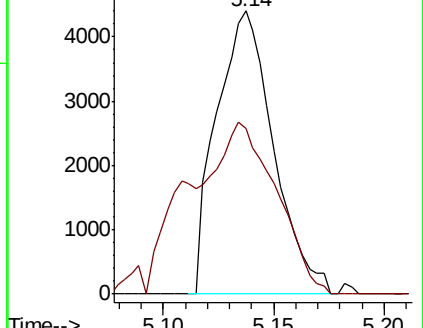
83 100

85 58.3 43.9 81.5



Abundance Ion 83.05 (82.75 to 83.75): VU036097.D (-1163) (-)

Ion 85.00 (84.70 to 85.70): VU036097.D (-1163) (-)



#34

Trichloroethene

Concen: 0.190 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU036113.D

Acq: 11 Dec 2019 04:11

Tgt Ion: 95 Resp: 4330

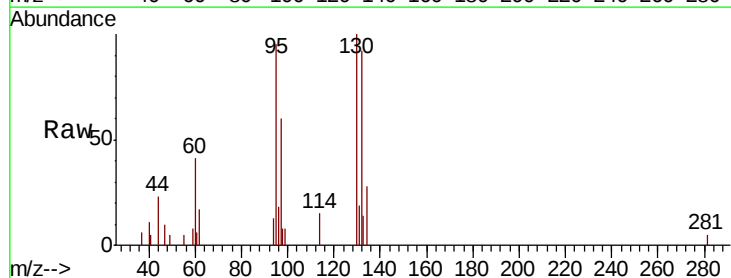
Ion Ratio Lower Upper

95 100

97 63.2 44.4 82.4

132 96.7 73.4 136.4

130 104.8 75.9 141.1

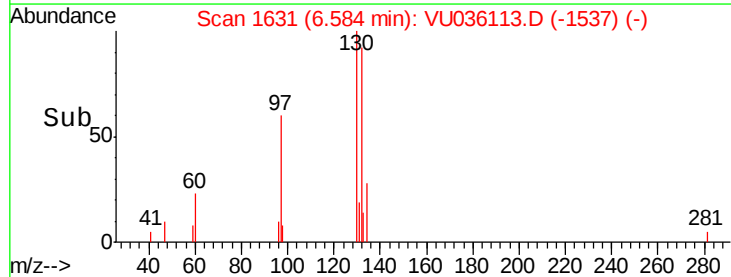
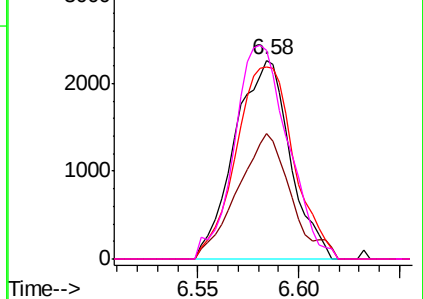


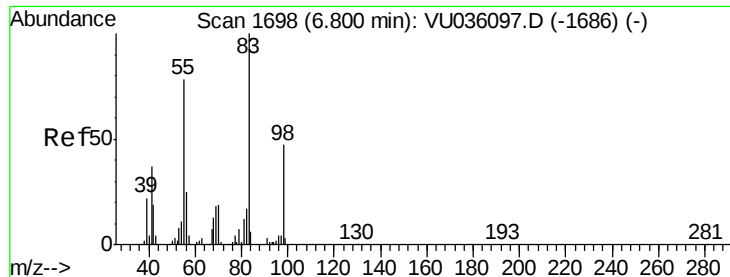
Abundance Ion 95.00 (94.70 to 95.70): VU036097.D (-1614) (-)

Ion 96.95 (96.65 to 97.65): VU036097.D (-1614) (-)

Ion 131.95 (131.65 to 132.65): VU036097.D (-1614) (-)

Ion 129.95 (129.65 to 130.65): VU036097.D (-1614) (-)





#35

Methylcyclohexane

Concen: 0.970 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU036113.D

Acq: 11 Dec 2019 04:11

Instrument :

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ClientSampleId :

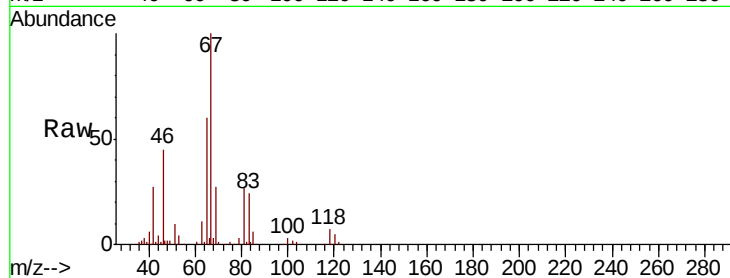
Tot Ion: 83 Resp: 29651

Ion Ratio Lower Upper

83 100

55 0.4 62.1 93.1#

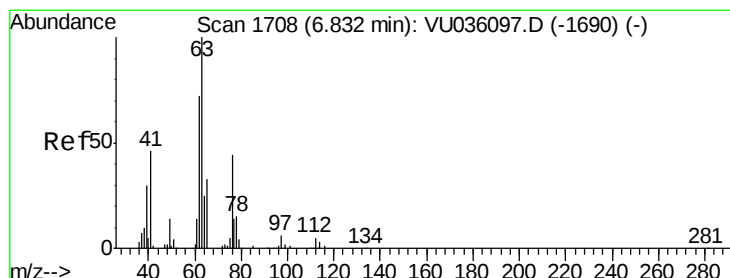
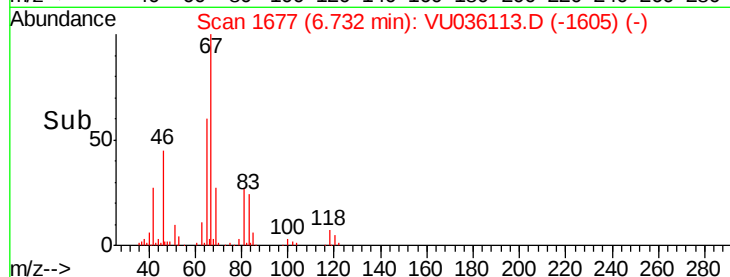
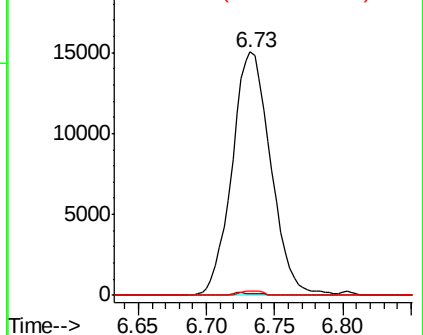
98 1.0 37.0 55.4#



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: 0.609 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU036113.D

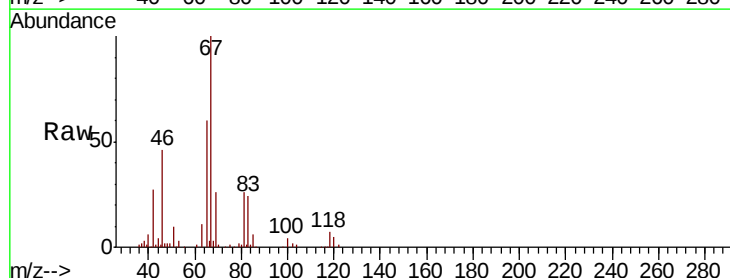
Acq: 11 Dec 2019 04:11

Tgt Ion: 63 Resp: 13103

Ion Ratio Lower Upper

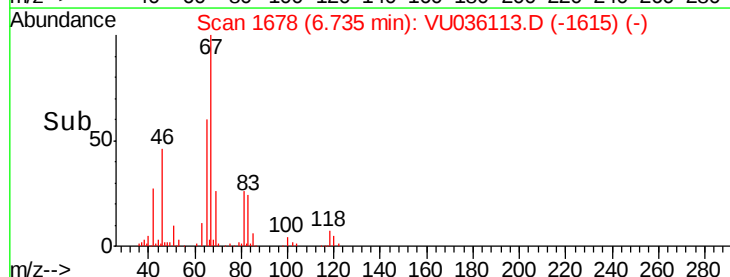
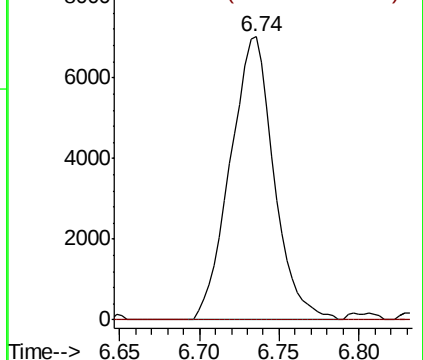
63 100

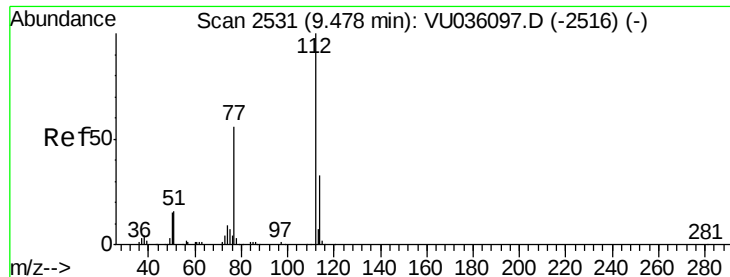
112 1.2 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#51

Chlorobenzene

Concen: 0.113 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU036113.D

Acq: 11 Dec 2019 04:11

Instrument :

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ClientSampleId :

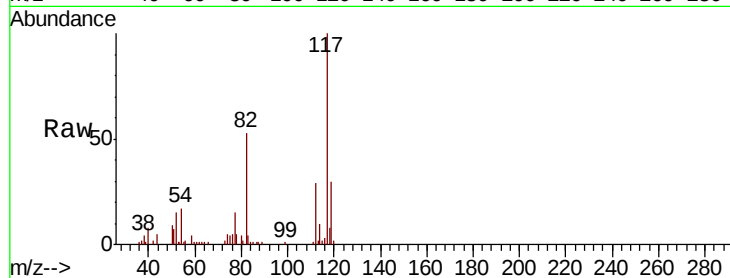
Tot Ion:112 Resp: 7236

Ion Ratio Lower Upper

112 100

114 33.5 22.3 41.5

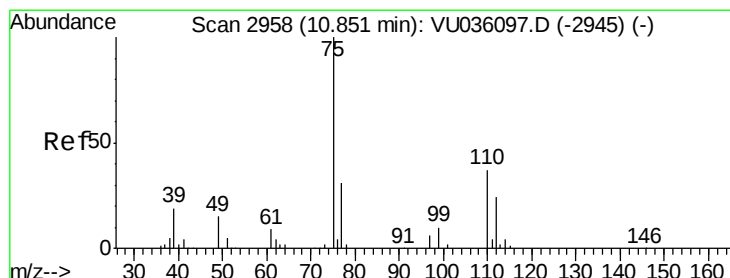
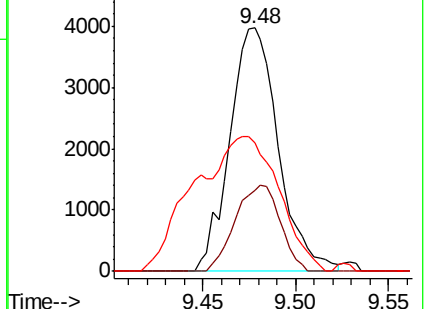
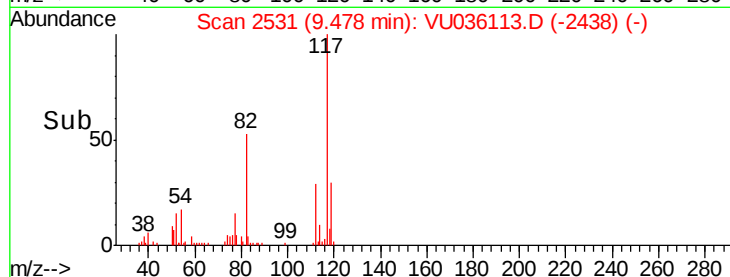
77 52.8 43.8 65.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU



#59

1,2,3-Trichloropropane

Concen: 0.823 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU036113.D

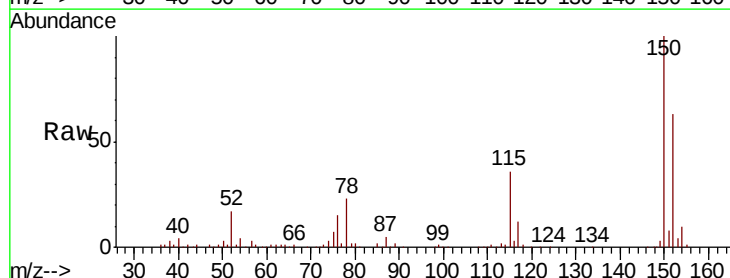
Acq: 11 Dec 2019 04:11

Tgt Ion: 75 Resp: 12666

Ion Ratio Lower Upper

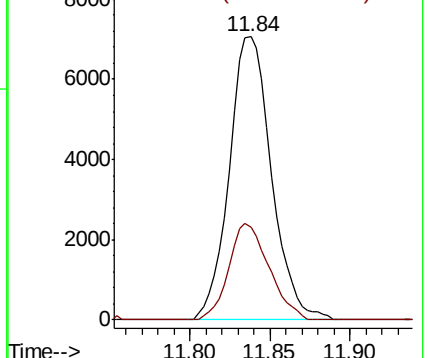
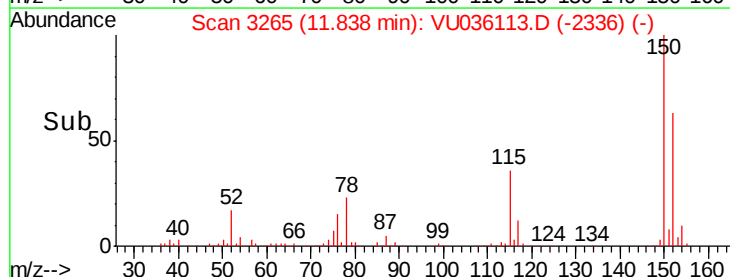
75 100

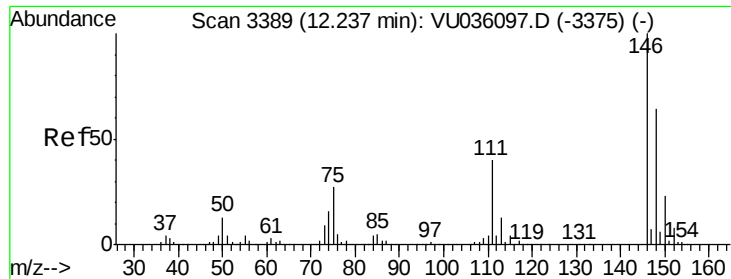
77 32.4 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

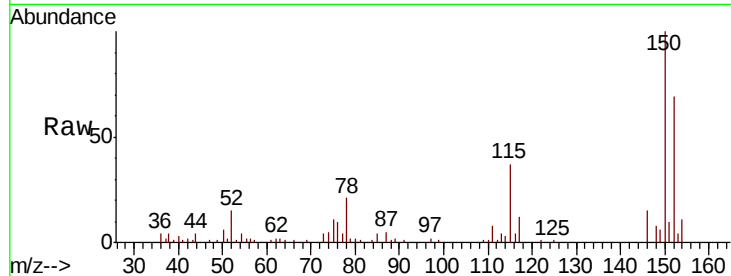




#65
 1,2-Dichlorobenzene
 Concen: 0.117 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU036113.D
 Acq: 11 Dec 2019 04:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.9	31.3	46.9#
148	54.4	50.5	75.7



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

