

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051820\
 Data File : VU038221.D
 Acq On : 18 May 2020 15:35
 Operator : JC/MD
 Sample : L2657-07DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 18 22:26:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 18 22:23:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	357619	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	345304	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	166821	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	120689	3.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.80%
7) Chloroethane-d5	1.92	69	111082	3.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.60%
11) 1,1-Dichloroethene-d2	2.58	63	147997	2.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.20%#
20) 2-Butanone-d5	4.67	46	441023	54.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.30%
24) Chloroform-d	5.10	84	214363	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.74	65	133802	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.76	84	437614	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	6.72	67	153319	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.92	98	376435	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	8.20	79	56533	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.66	63	347783	55.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.10%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	131668	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	149054	4.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.80%

Target Compounds

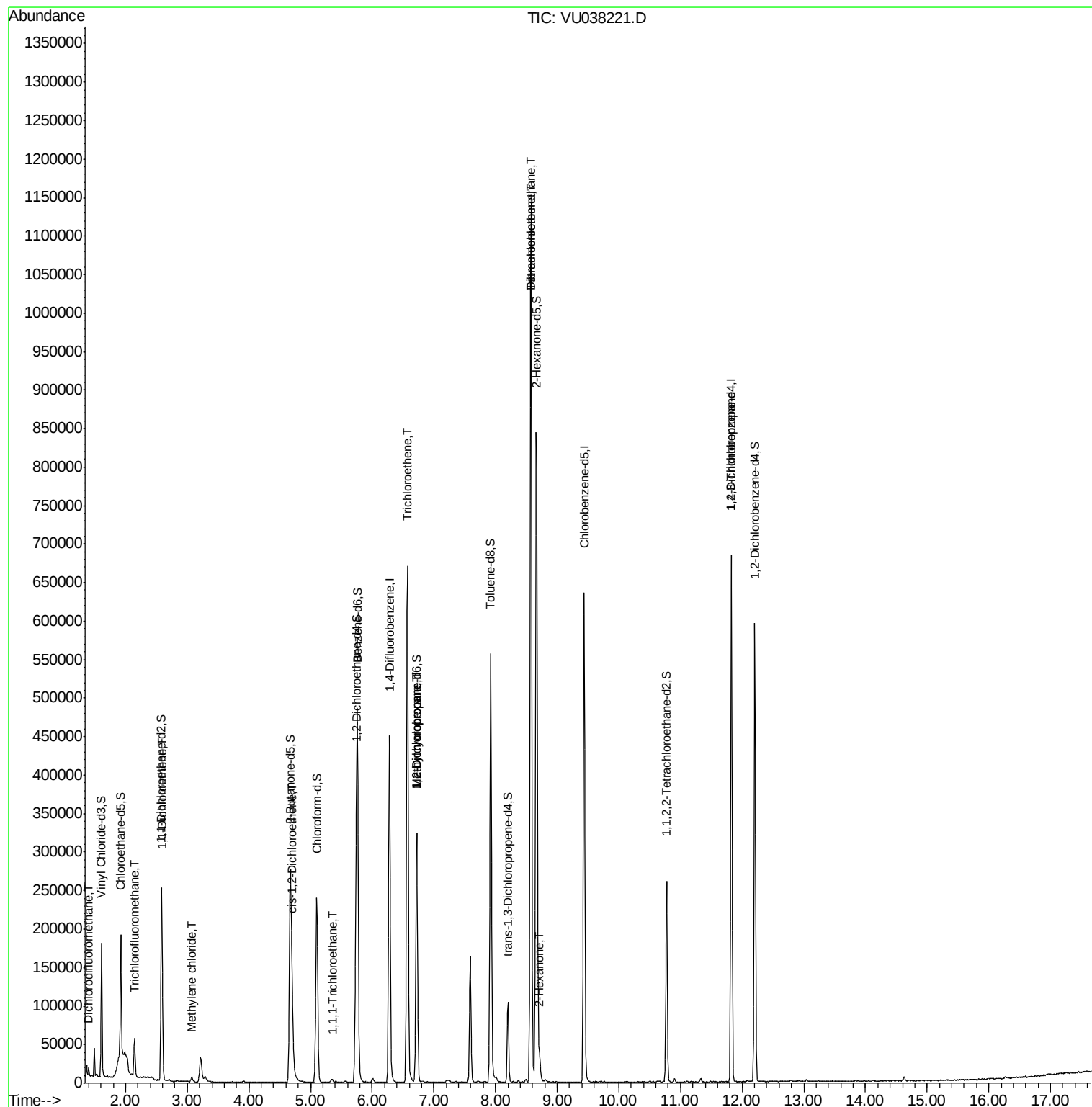
					Ovalue
2) Dichlorodifluoromethane	1.39	85	3966	0.121 ug/L	92
9) Trichlorofluoromethane	2.14	101	30867	0.782 ug/L	94
12) 1,1-Dichloroethene	2.60	96	10712	0.432 ug/L #	1
16) Methylene chloride	3.07	84	2965	0.102 ug/L	89
22) cis-1,2-Dichloroethene	4.71	96	23352	0.800 ug/L	94
29) 1,1,1-Trichloroethane	5.35	97	3019	0.076 ug/L #	81
34) Trichloroethene	6.57	95	225895	8.168 ug/L	99
35) Methylcyclohexane	6.72	83	33084	0.738 ug/L #	15
37) 1,2-Dichloropropane	6.72	63	15970	0.532 ug/L #	88
47) Tetrachloroethene	8.57	164	253220	13.090 ug/L	99
48) 2-Hexanone	8.72	43	16233	1.065 ug/L	99
49) Dibromochloromethane	8.57	129	246795	11.402 ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	22167	1.100 ug/L	90

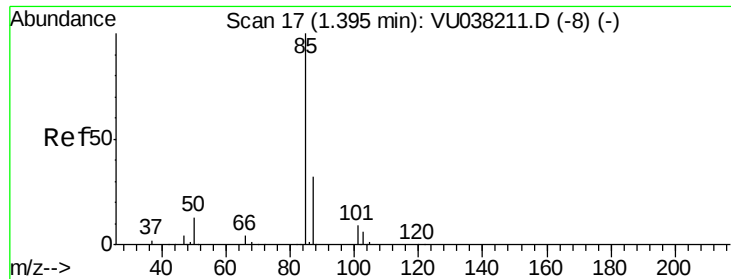
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon May 18 22:23:30 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.121 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038221.D

Acq: 18 May 2020 15:35

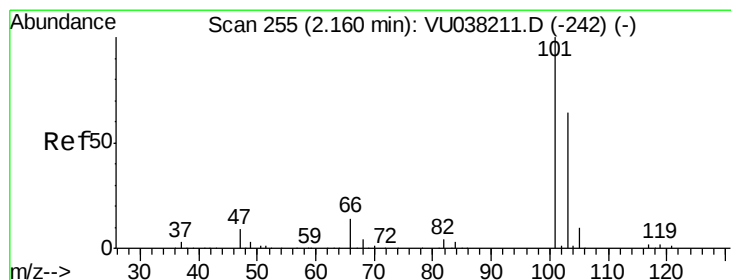
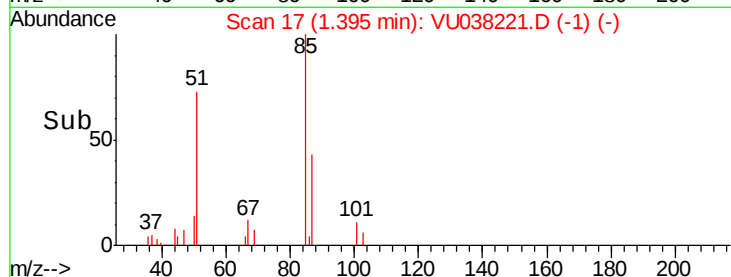
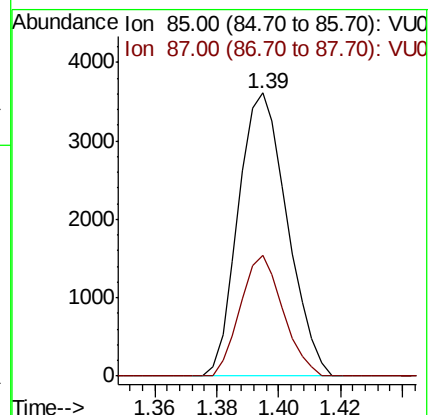
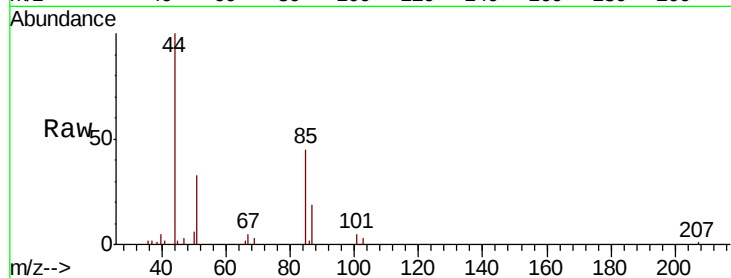
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 3966

Ion Ratio Lower Upper

85 100

87 37.2 26.2 39.4



#9

Trichlorofluoromethane

Concen: 0.782 ug/L

RT: 2.14 min Scan# 250

Delta R.T. -0.02 min

Lab File: VU038221.D

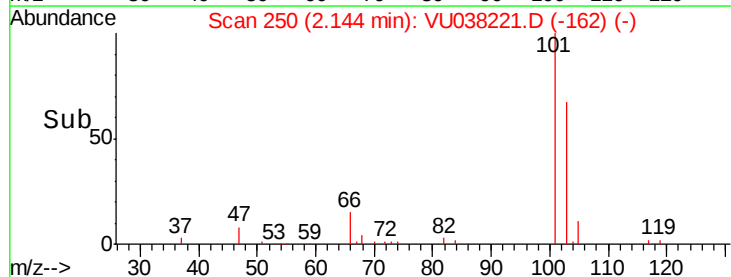
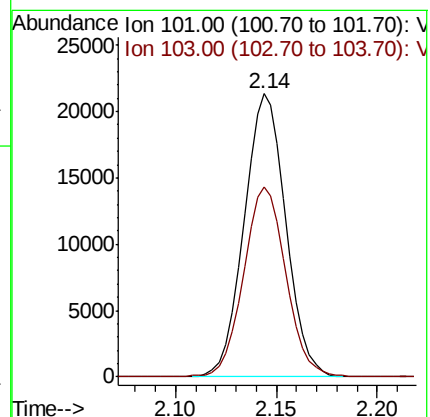
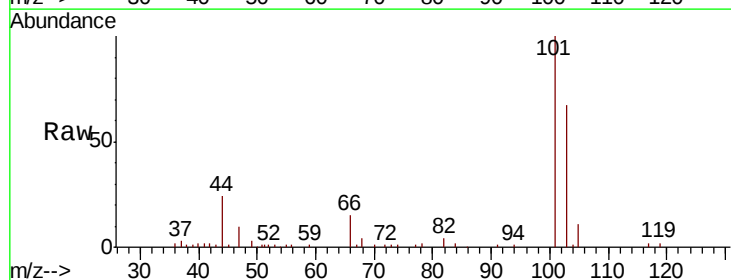
Acq: 18 May 2020 15:35

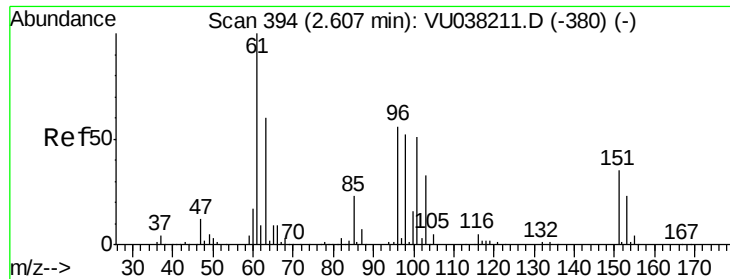
Tgt Ion: 101 Resp: 30867

Ion Ratio Lower Upper

101 100

103 68.2 51.0 76.4





#12

1,1-Dichloroethene

Concen: 0.432 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU038221.D

Acq: 18 May 2020 15:35

Instrument :

MSVOA_U

ClientSampleId :

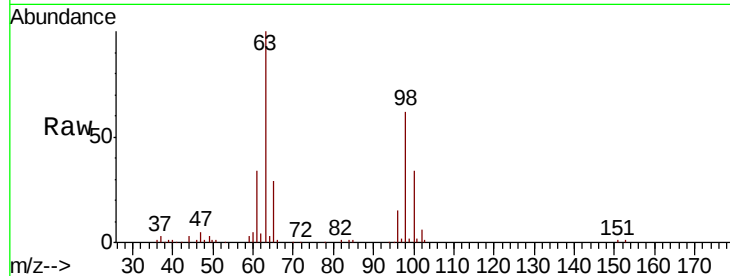
Tot Ion: 96 Resp: 10712

Ion Ratio Lower Upper

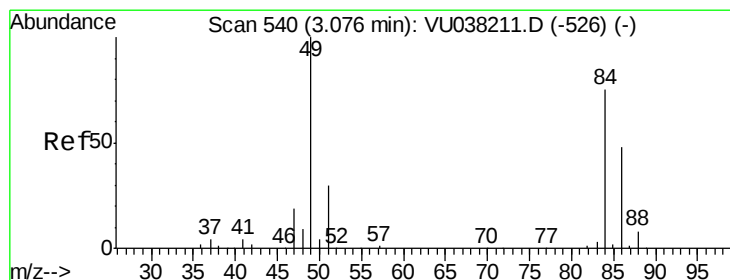
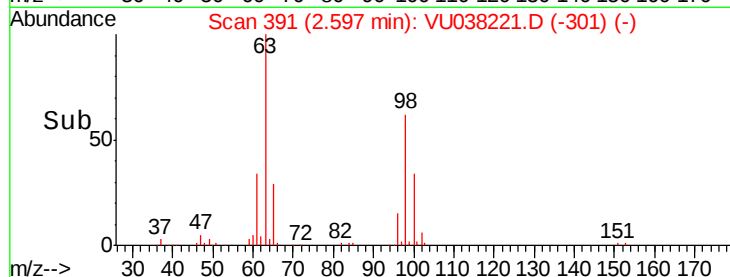
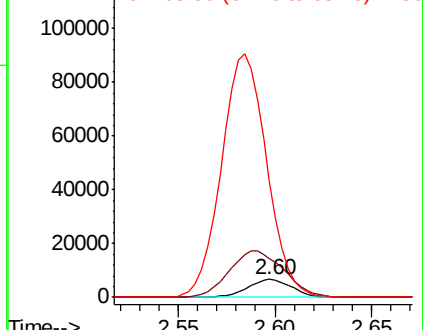
96 100

61 220.2 126.2 234.4

63 651.5 96.9 179.9#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 63.00 (62.70 to 63.70): VU0



#16

Methylene chloride

Concen: 0.102 ug/L

RT: 3.07 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU038221.D

Acq: 18 May 2020 15:35

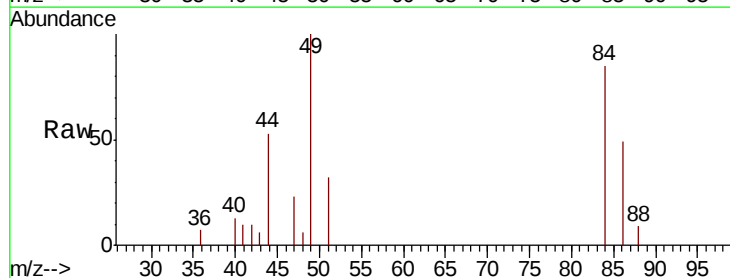
Tgt Ion: 84 Resp: 2965

Ion Ratio Lower Upper

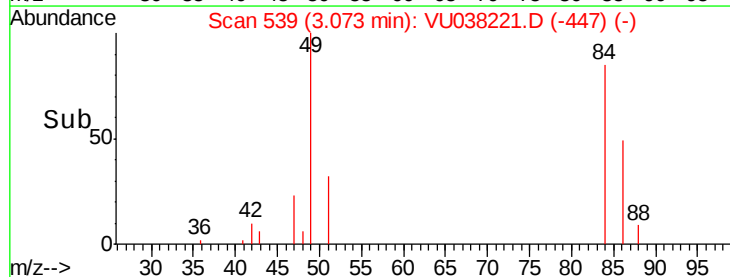
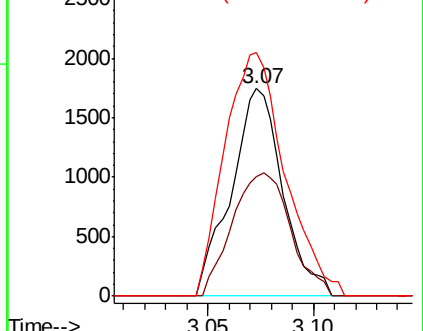
84 100

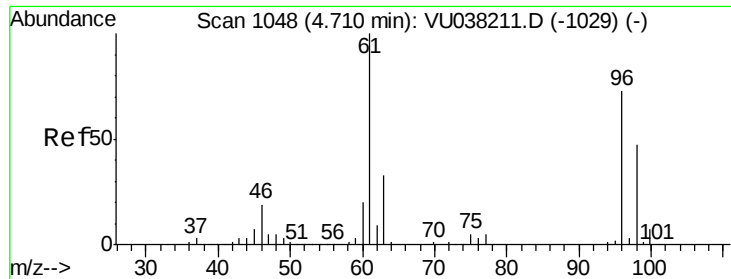
86 57.7 44.9 83.3

49 117.4 92.0 170.9



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: 0.800 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038221.D

Acq: 18 May 2020 15:35

Instrument :

MSVOA_U

ClientSampleId :

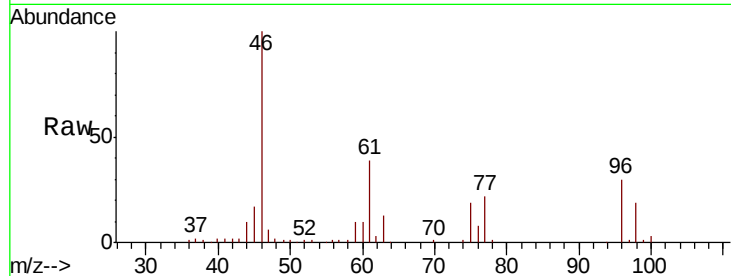
Tot Ion: 96 Resp: 23352

Ion Ratio Lower Upper

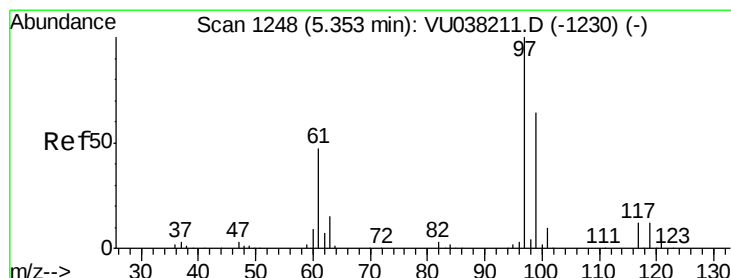
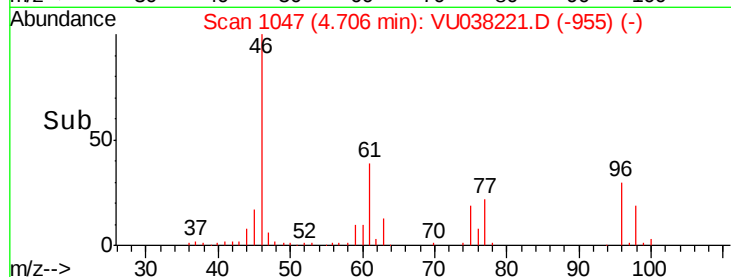
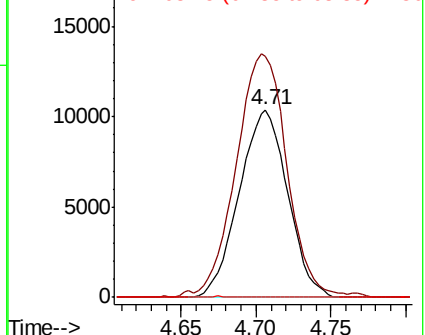
96 100

61 128.7 95.3 176.9

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



#29

1,1,1-Trichloroethane

Concen: 0.076 ug/L

RT: 5.35 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VU038221.D

Acq: 18 May 2020 15:35

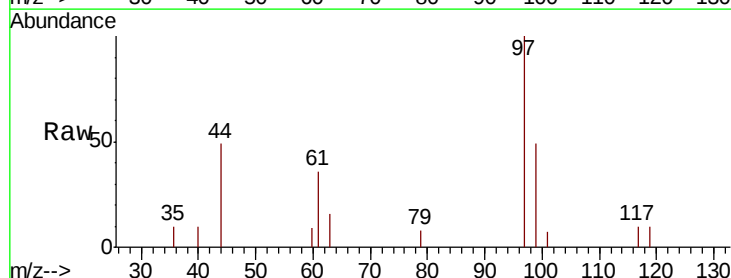
Tgt Ion: 97 Resp: 3019

Ion Ratio Lower Upper

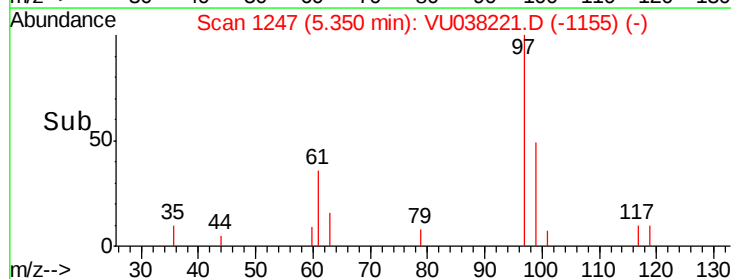
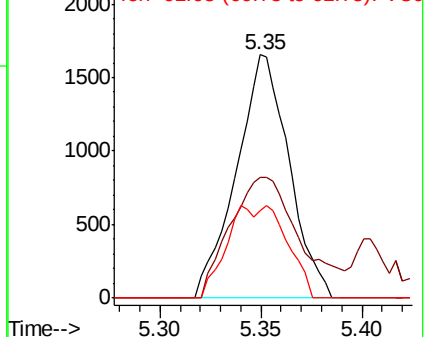
97 100

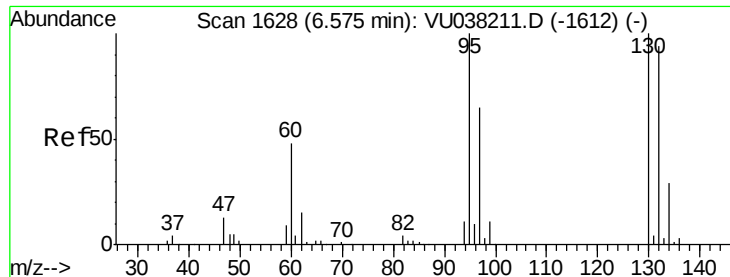
99 65.8 51.0 76.4

61 21.0 38.2 57.4#



Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

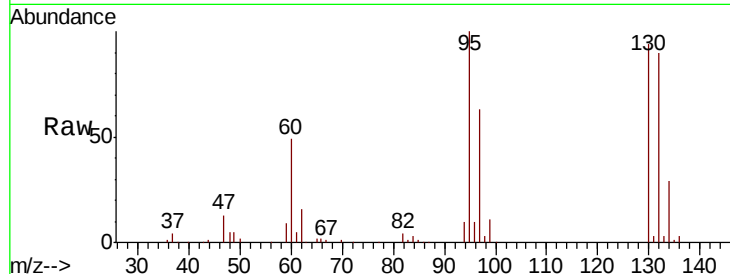




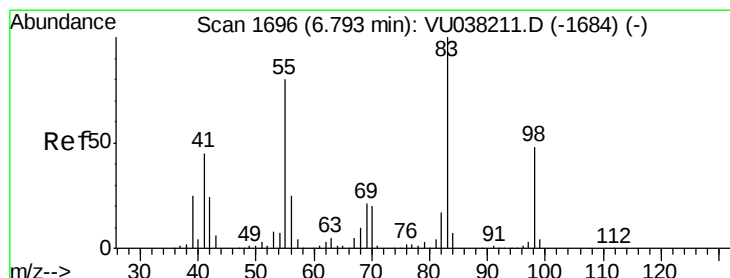
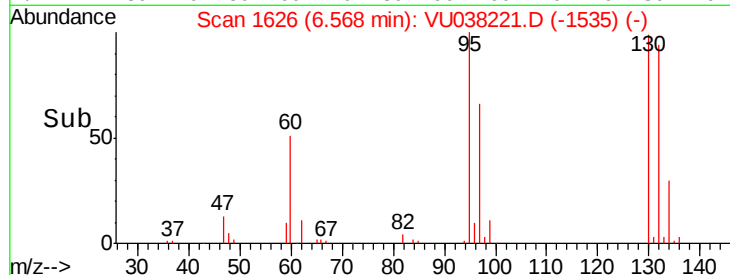
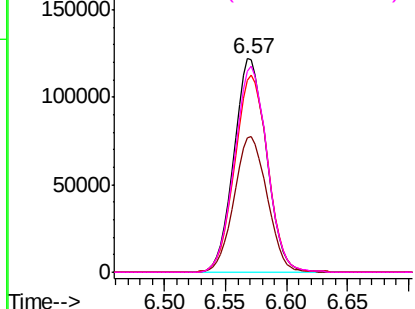
#34
 Trichloroethene
 Concen: 8.168 ug/L
 RT: 6.57 min Scan# 1626
 Delta R.T. -0.01 min
 Lab File: VU038221.D
 Acq: 18 May 2020 15:35

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 225895
 Ion Ratio Lower Upper
 95 100
 97 63.1 44.9 83.3
 132 90.0 63.3 117.5
 130 94.3 65.7 122.1

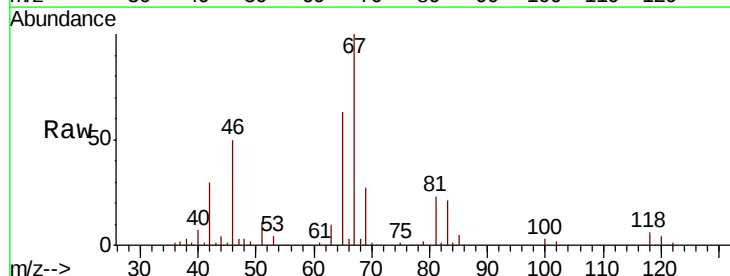


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

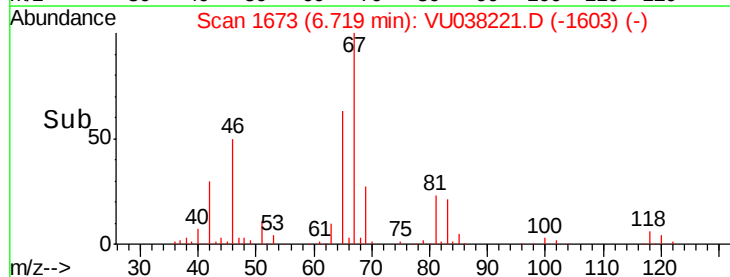
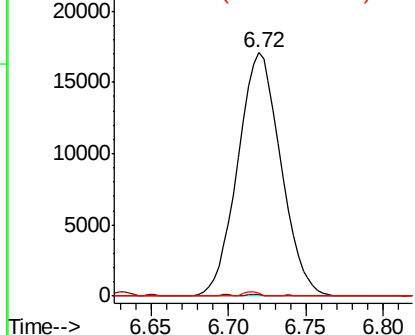


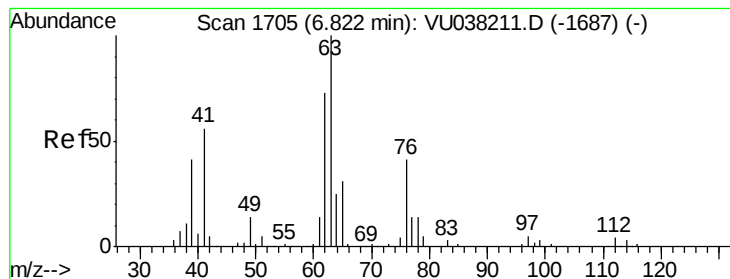
#35
 Methylcyclohexane
 Concen: 0.738 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.07 min
 Lab File: VU038221.D
 Acq: 18 May 2020 15:35

Tgt Ion: 83 Resp: 33084
 Ion Ratio Lower Upper
 83 100
 55 0.2 66.7 100.1#
 98 0.0 39.4 59.2#



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: 0.532 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU038221.D

Acq: 18 May 2020 15:35

Instrument :

MSVOA_U

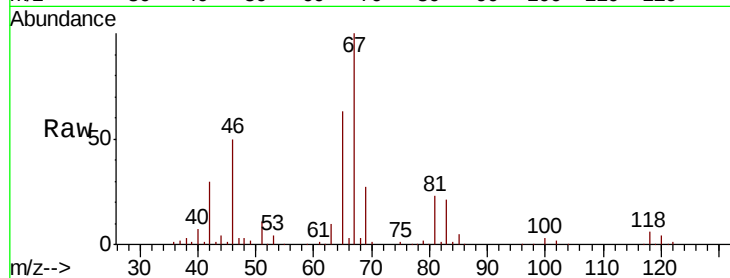
ClientSampleId :

Tot Ion: 63 Resp: 15970

Ion Ratio Lower Upper

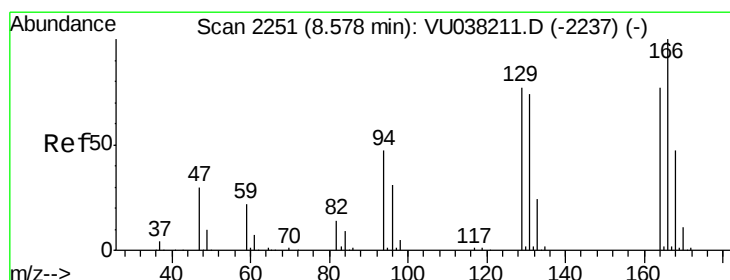
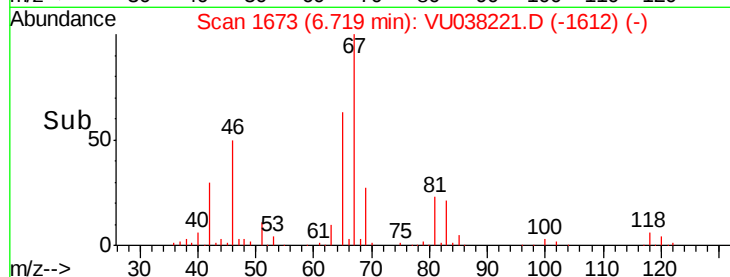
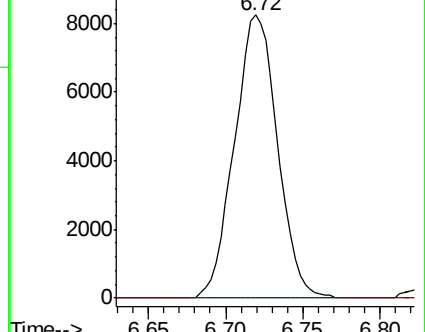
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU038221.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU038221.D (-1687) (-)



#47

Tetrachloroethene

Concen: 13.090 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038221.D

Acq: 18 May 2020 15:35

Tgt Ion:164 Resp: 253220

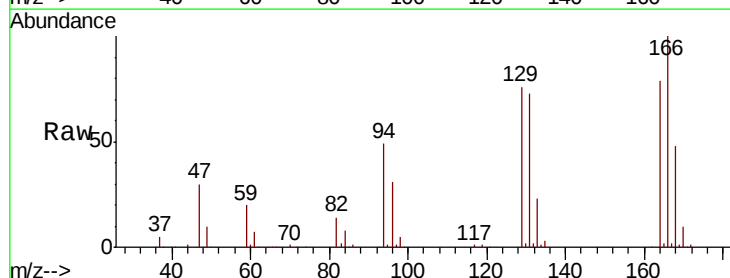
Ion Ratio Lower Upper

164 100

129 97.3 68.8 127.8

131 92.9 66.8 124.2

166 127.3 88.9 165.1

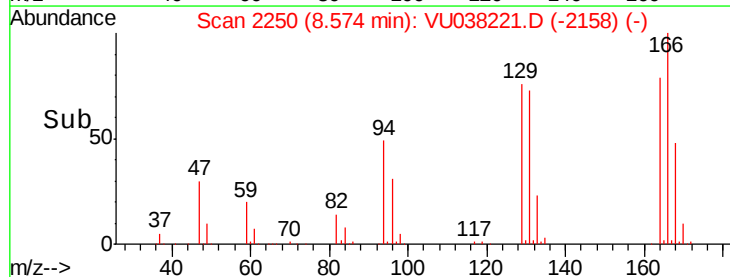
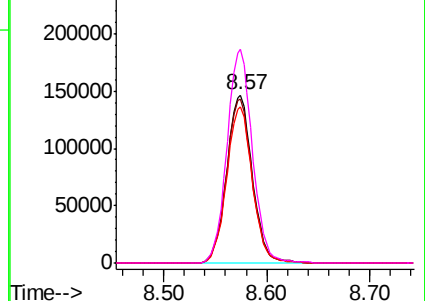


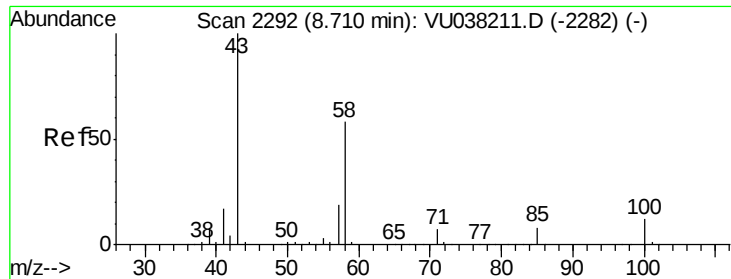
Abundance Ion 163.90 (163.60 to 164.60): VU038221.D (-2237) (-)

Ion 128.95 (128.65 to 129.65): VU038221.D (-2237) (-)

Ion 130.95 (130.65 to 131.65): VU038221.D (-2237) (-)

Ion 165.90 (165.60 to 166.60): VU038221.D (-2237) (-)

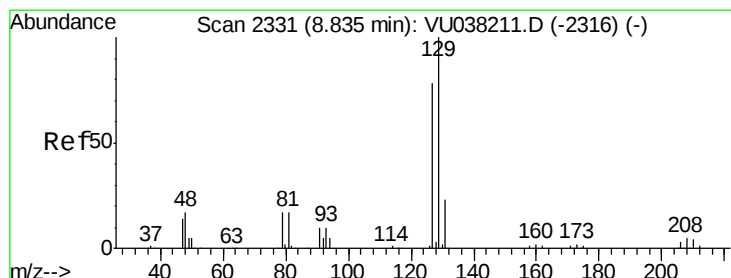
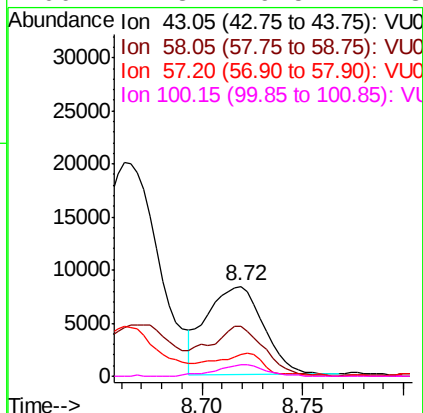
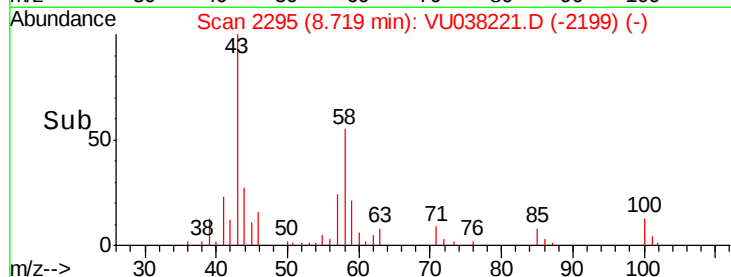
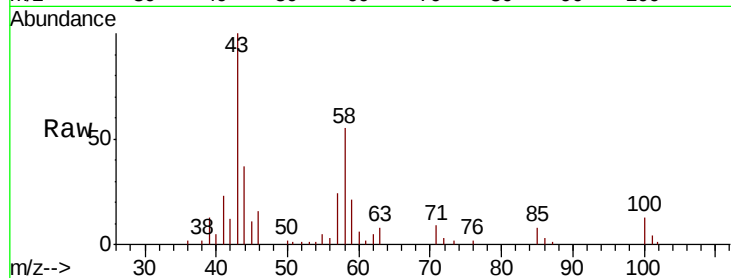




#48
2-Hexanone
Concen: 1.065 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VU038221.D
Acq: 18 May 2020 15:35

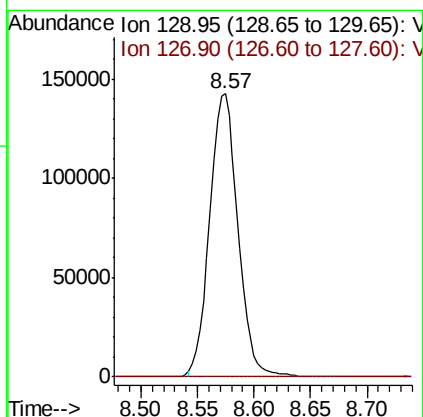
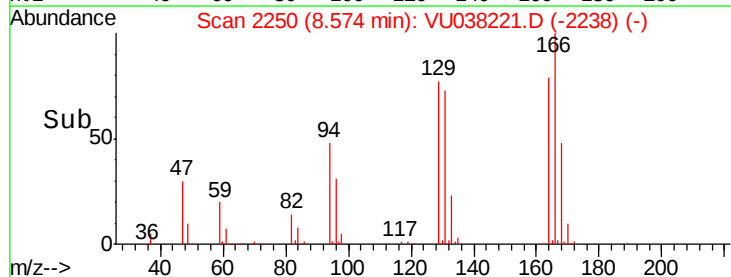
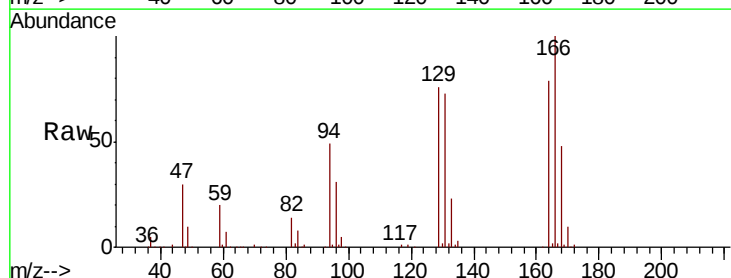
Instrument :
MSVOA_U
ClientSampleId :

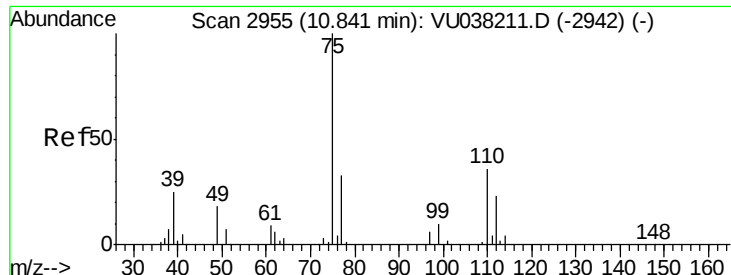
Tot Ion: 43 Resp: 16233
Ion Ratio Lower Upper
43 100
58 56.0 45.2 67.8
57 20.7 15.5 23.3
100 11.3 9.5 14.3



#49
Dibromochloromethane
Concen: 11.402 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU038221.D
Acq: 18 May 2020 15:35

Tgt Ion: 129 Resp: 246795
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#





#59

1,2,3-Trichloropropane

Concen: 1.100 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038221.D

Acq: 18 May 2020 15:35

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 22167

Ion Ratio Lower Upper

75 100

77 37.0 25.4 38.0

