

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051820\
 Data File : VU038213.D
 Acq On : 18 May 2020 12:30
 Operator : JC/MD
 Sample : L2657-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 18 22:25:13 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	415972	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	400888	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	192827	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	108114	2.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.80%
7) Chloroethane-d5	1.93	69	99877	3.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	60.60%#
11) 1,1-Dichloroethene-d2	2.59	63	137097	2.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	43.20%#
20) 2-Butanone-d5	4.68	46	397135	42.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.60%
24) Chloroform-d	5.10	84	194684	3.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	67.40%#
26) 1,2-Dichloroethane-d4	5.74	65	119271	3.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.20%
32) Benzene-d6	5.76	84	394560	3.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	65.60%#
36) 1,2-Dichloropropane-d6	6.72	67	135505	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	69.80%
41) Toluene-d8	7.92	98	337636	3.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	62.60%#
43) trans-1,3-Dichloropropene-	8.20	79	53160	3.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.40%
46) 2-Hexanone-d5	8.66	63	303056	41.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.64%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	115962	3.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	75.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	134050	3.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	71.40%#

Target Compounds

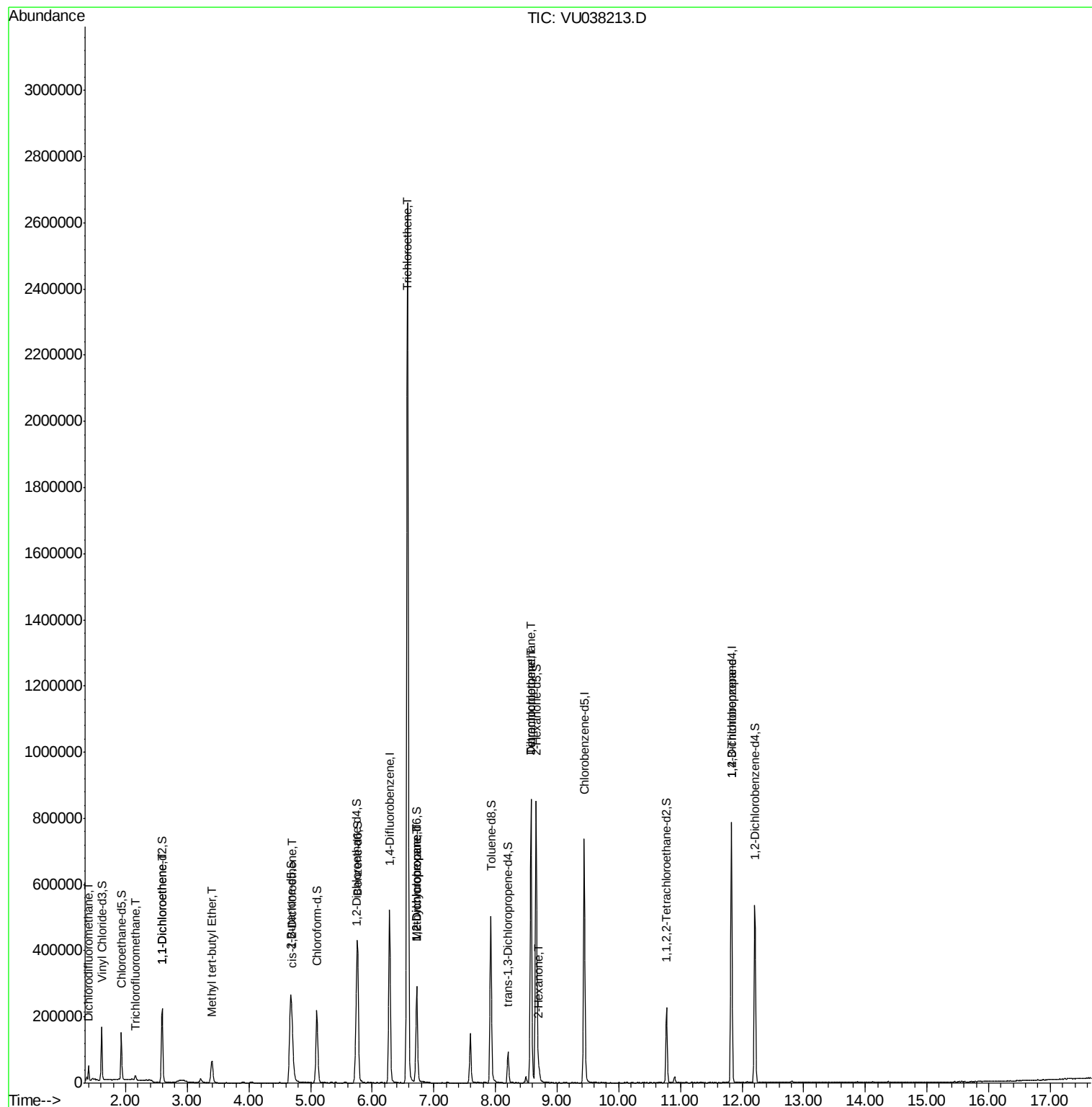
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	14440	0.380	ug/L	98
9) Trichlorofluoromethane	2.16	101	8199	0.178	ug/L	93
12) 1,1-Dichloroethene	2.60	96	2017	0.070	ug/L #	1
17) Methyl tert-butyl Ether	3.40	73	71959	0.897	ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	32321	0.952	ug/L	95
34) Trichloroethene	6.57	95	900383	28.042	ug/L	97
35) Methylcyclohexane	6.72	83	30625	0.589	ug/L #	15
37) 1,2-Dichloropropane	6.72	63	13649	0.391	ug/L #	88
47) Tetrachloroethene	8.58	164	190273	8.472	ug/L	100
48) 2-Hexanone	8.71	43	19350	1.093	ug/L #	91
49) Dibromochloromethane	8.58	129	181489	7.222	ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	26798	1.145	ug/L	93

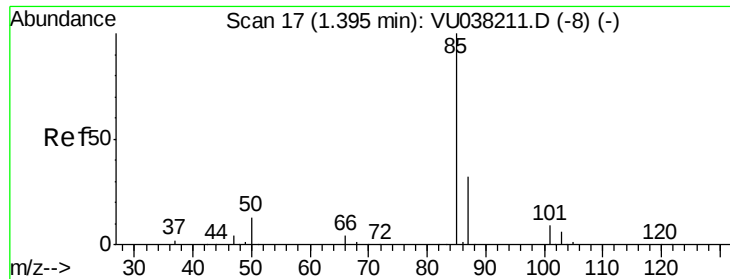
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.380 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038213.D

Acq: 18 May 2020 12:30

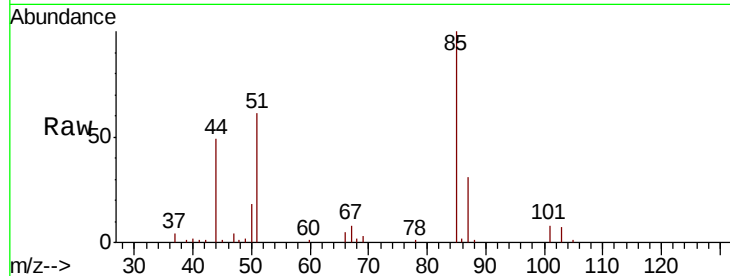
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 14440

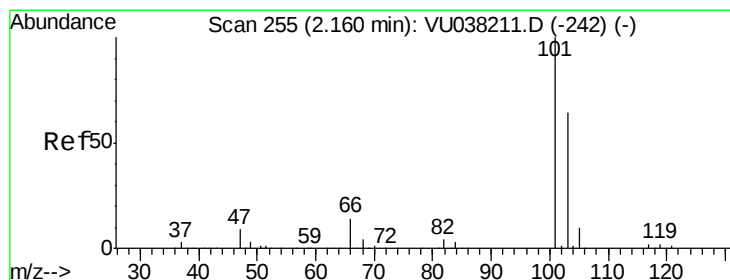
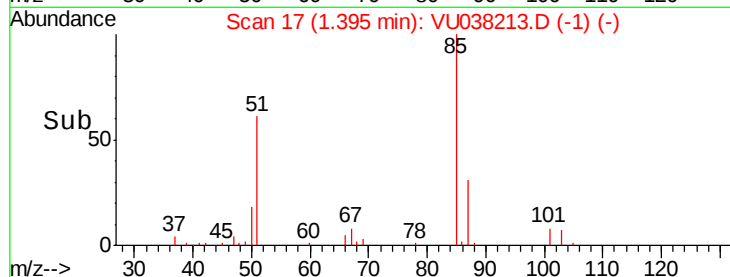
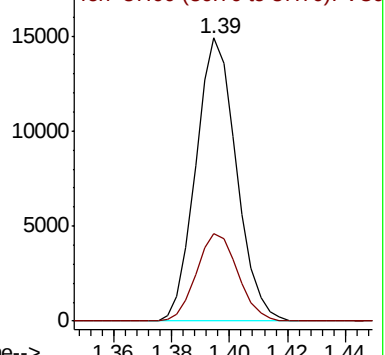
Ion Ratio Lower Upper

85 100

87 31.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038213.D (-162) (-)



#9

Trichlorofluoromethane

Concen: 0.178 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038213.D

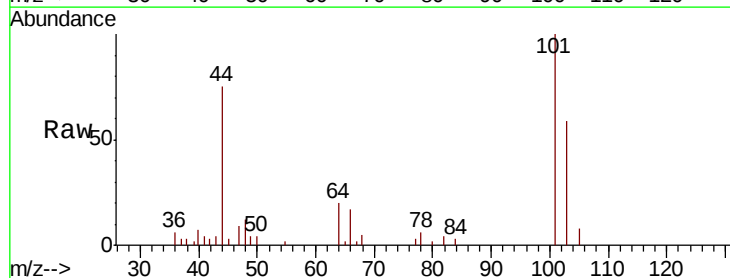
Acq: 18 May 2020 12:30

Tgt Ion:101 Resp: 8199

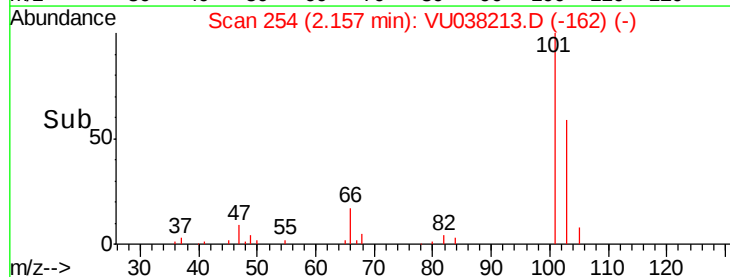
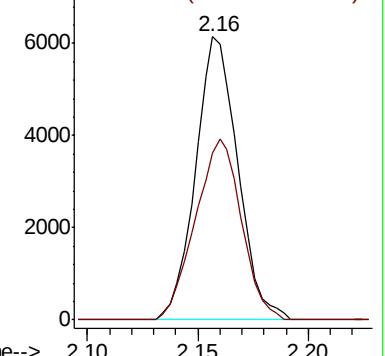
Ion Ratio Lower Upper

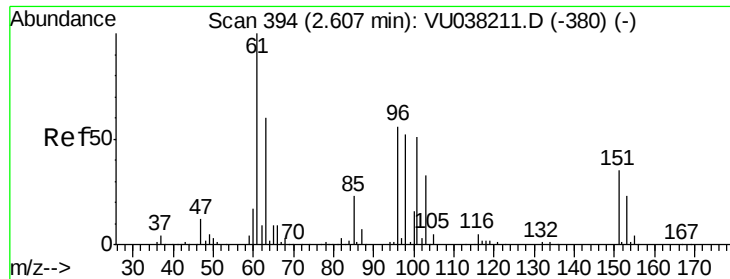
101 100

103 69.4 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038213.D (-162) (-)





#12

1,1-Dichloroethene

Concen: 0.070 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU038213.D

Acq: 18 May 2020 12:30

Instrument :
MSVOA_U
ClientSampled :

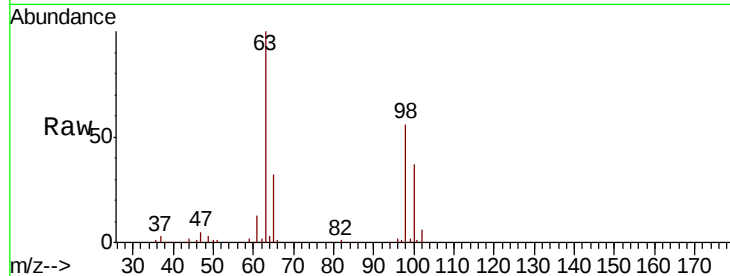
Tot Ion: 96 Resp: 2017

Ion Ratio Lower Upper

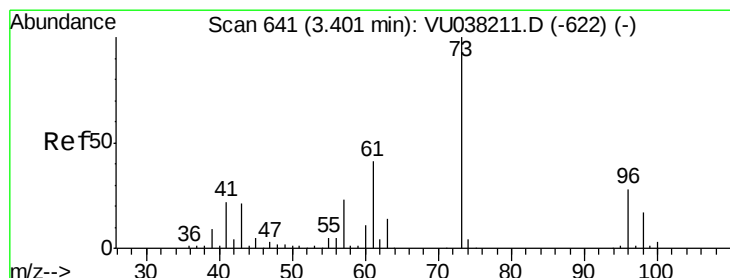
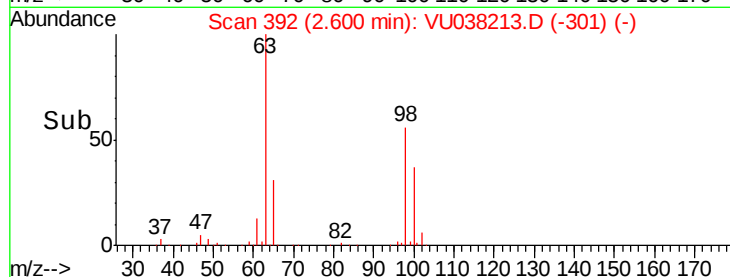
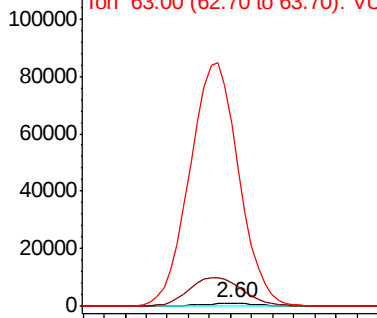
96 100

61 711.3 126.2 234.4#

63 5525.8 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



#17

Methyl tert-butyl Ether

Concen: 0.897 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU038213.D

Acq: 18 May 2020 12:30

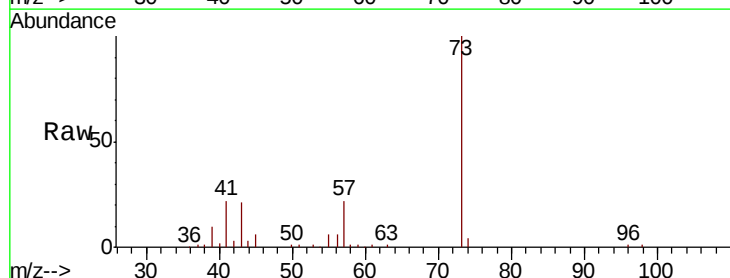
Tgt Ion: 73 Resp: 71959

Ion Ratio Lower Upper

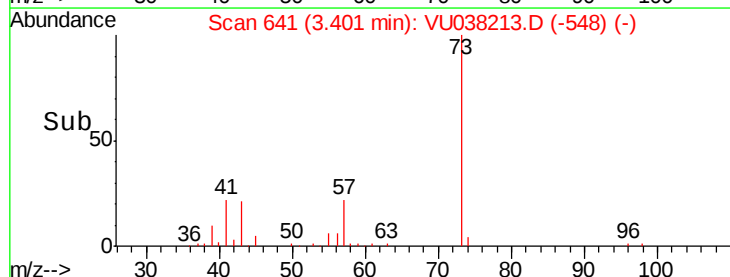
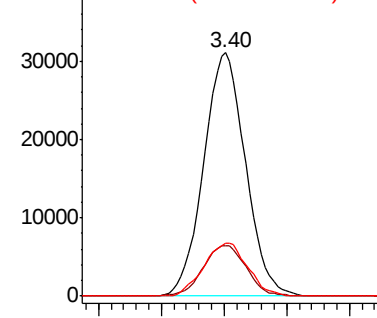
73 100

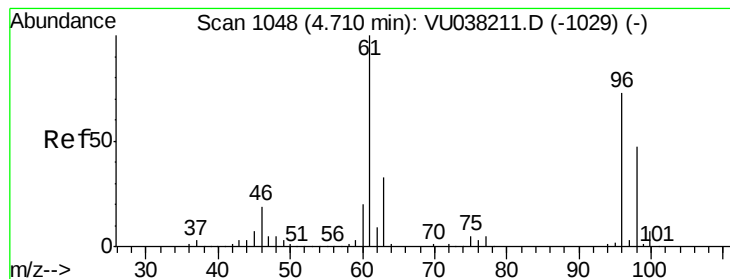
43 21.5 16.9 25.3

57 22.7 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.952 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038213.D

Acq: 18 May 2020 12:30

Instrument :

MSVOA_U

ClientSampled :

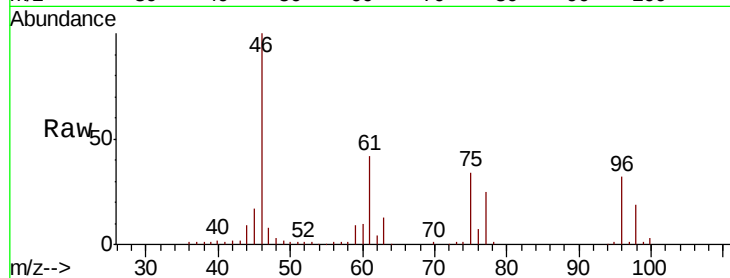
Tot Ion: 96 Resp: 32321

Ion Ratio Lower Upper

96 100

61 130.6 95.3 176.9

68 0.0 0.0 0.0

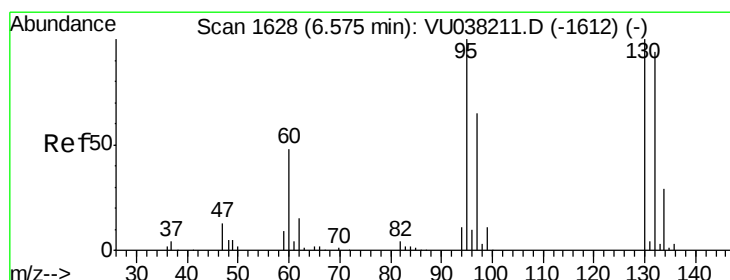
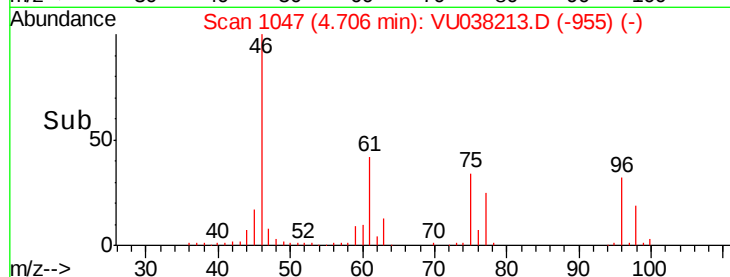
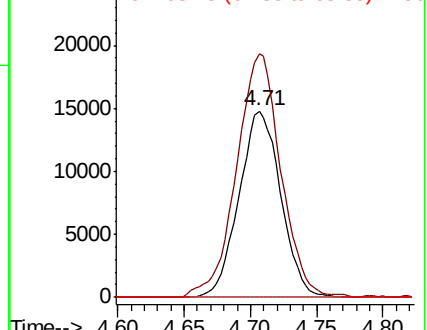


Abundance

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



#34

Trichloroethene

Concen: 28.042 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU038213.D

Acq: 18 May 2020 12:30

Tgt Ion: 95 Resp: 900383

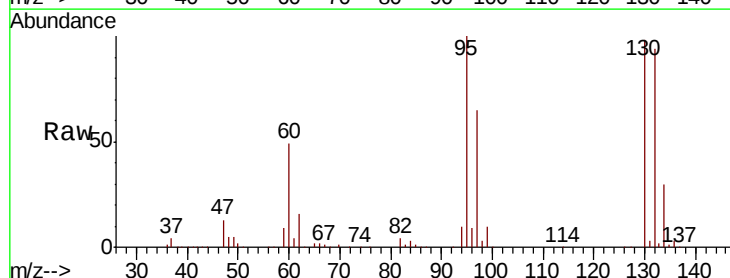
Ion Ratio Lower Upper

95 100

97 64.8 44.9 83.3

132 94.3 63.3 117.5

130 97.9 65.7 122.1



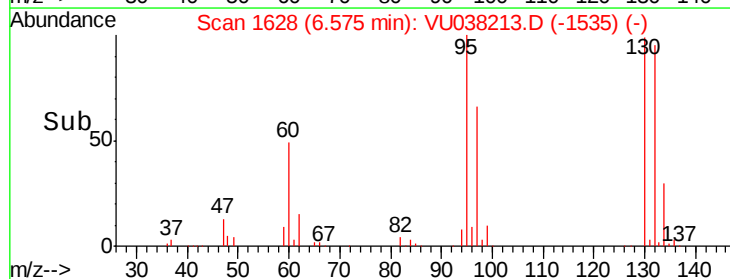
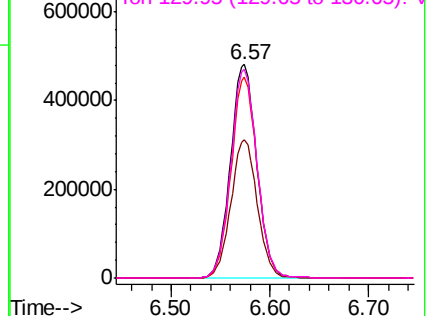
Abundance

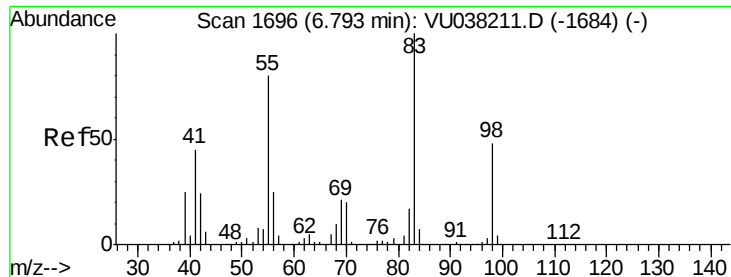
Ion 95.00 (94.70 to 95.70): VU0

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

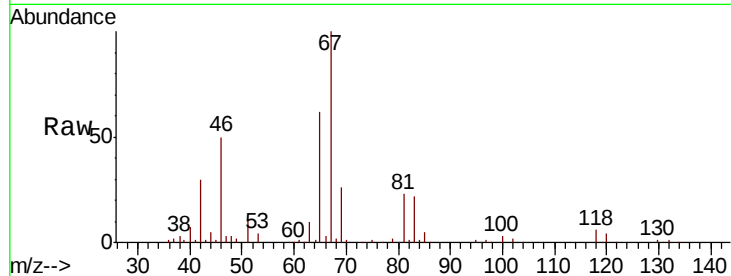




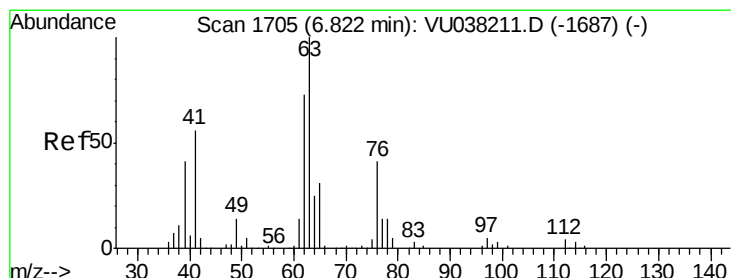
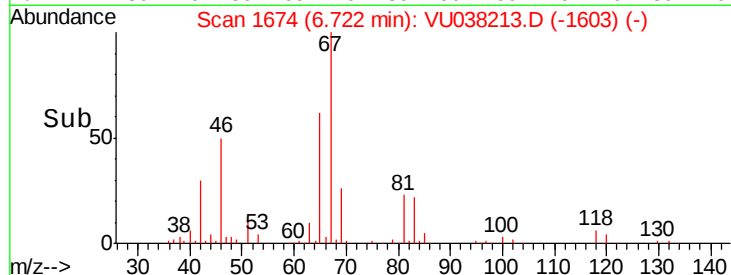
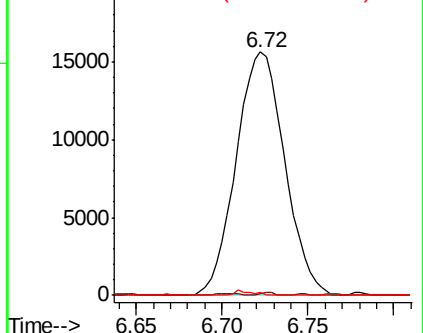
#35
Methvlcvclohexane
Concen: 0.589 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038213.D
Acq: 18 May 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 30625
Ion Ratio Lower Upper
83 100
55 0.3 66.7 100.1#
98 0.0 39.4 59.2#

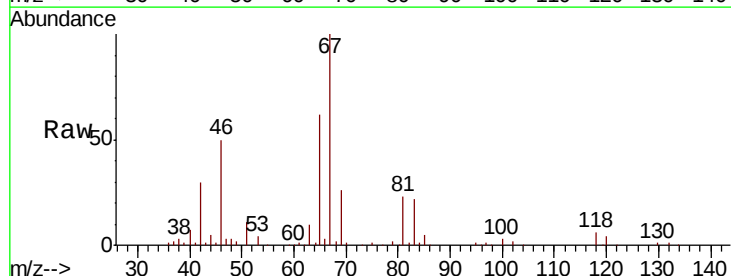


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

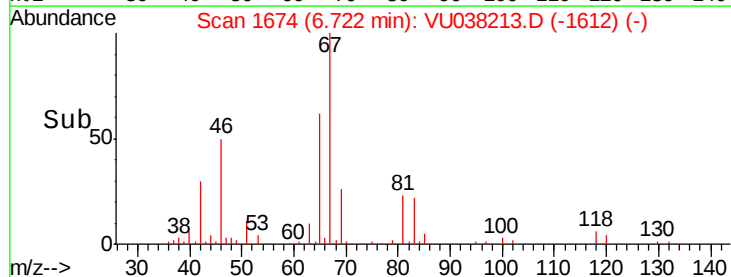
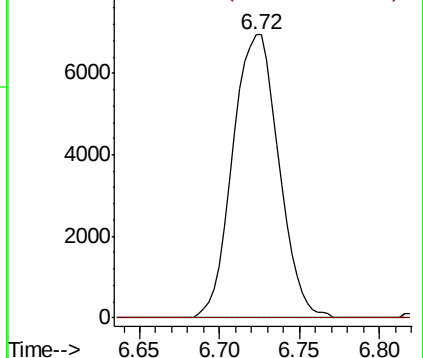


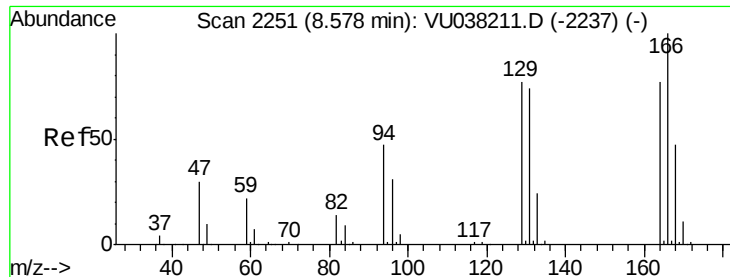
#37
1,2-Dichloropropane
Concen: 0.391 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038213.D
Acq: 18 May 2020 12:30

Tgt Ion: 63 Resp: 13649
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#47

Tetrachloroethene

Concen: 8.472 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VU038213.D

Acq: 18 May 2020 12:30

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 190273

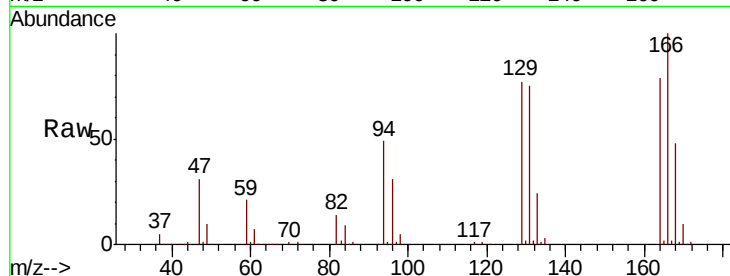
Ion Ratio Lower Upper

164 100

129 98.3 68.8 127.8

131 94.8 66.8 124.2

166 127.2 88.9 165.1

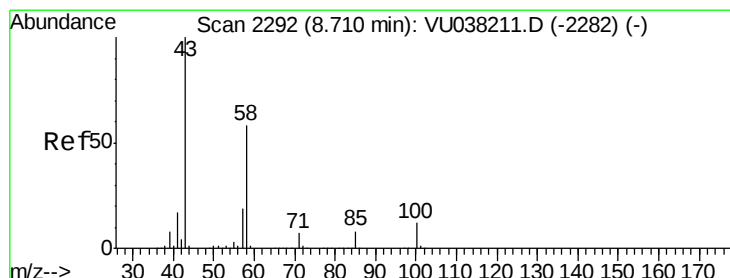
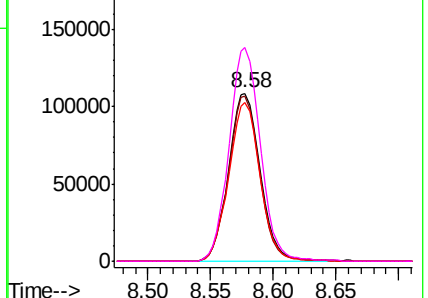
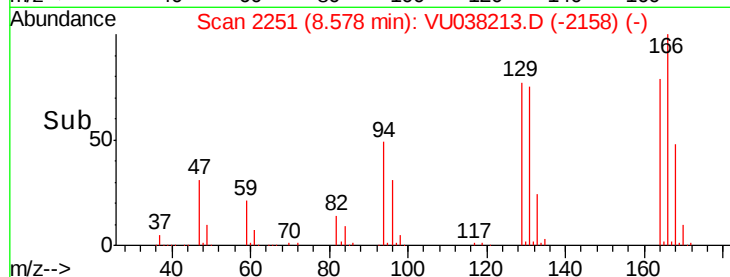


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.093 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038213.D

Acq: 18 May 2020 12:30

Tgt Ion: 43 Resp: 19350

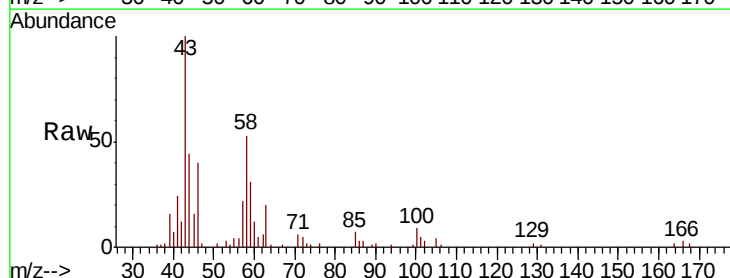
Ion Ratio Lower Upper

43 100

58 49.0 45.2 67.8

57 22.0 15.5 23.3

100 9.3 9.5 14.3#

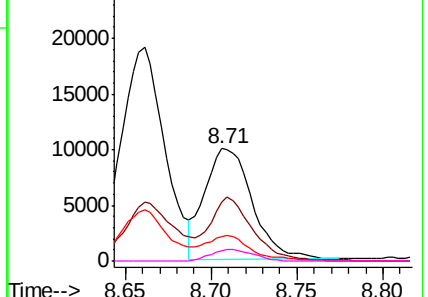
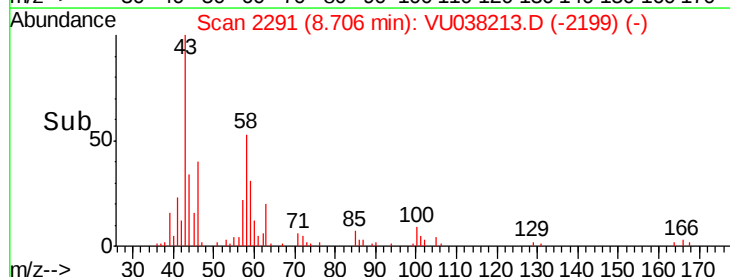


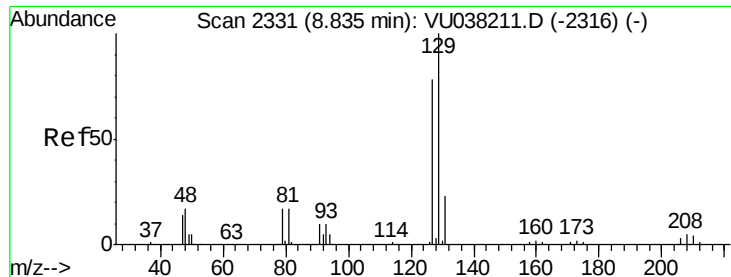
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 7.222 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.26 min

Lab File: VU038213.D

Acq: 18 May 2020 12:30

Instrument :

MSVOA_U

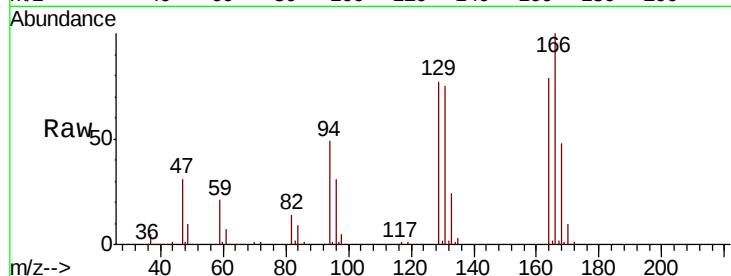
ClientSampleId :

Tot Ion:129 Resp: 181489

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.58

120000

100000

80000

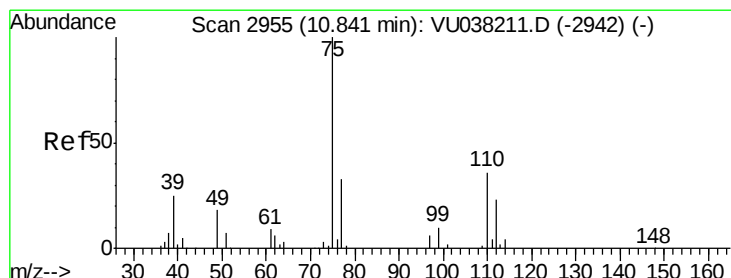
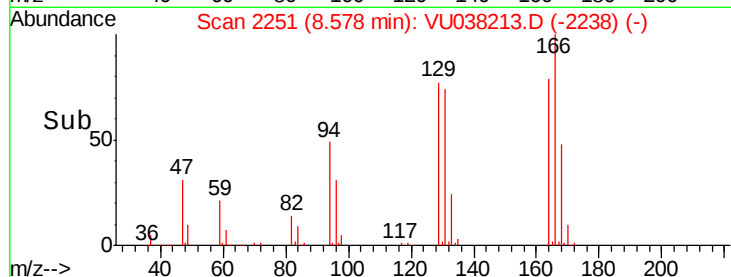
60000

40000

20000

0

Time--> 8.50 8.55 8.60 8.65 8.70



#59

1,2,3-Trichloropropane

Concen: 1.145 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU038213.D

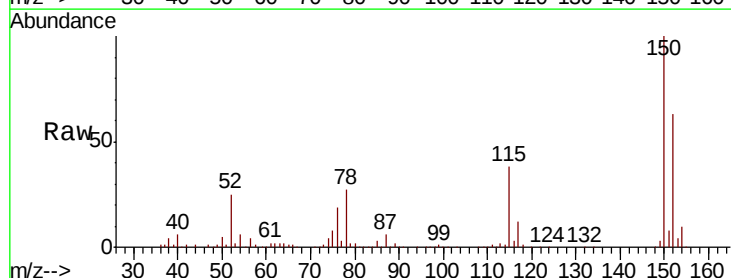
Acq: 18 May 2020 12:30

Tgt Ion: 75 Resp: 26798

Ion Ratio Lower Upper

75 100

77 35.4 25.4 38.0



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--> 11.75 11.80 11.85 11.90

