

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122220\
 Data File : VU041738.D
 Acq On : 22 Dec 2020 13:50
 Operator : SY/MD
 Sample : L5185-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S0

Quant Time: Dec 23 04:07:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 23 04:05:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	144243	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	139551	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	60554	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	31948	2.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.60%
7) Chloroethane-d5	1.92	69	38164	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.58	63	54309	2.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.20%#
20) 2-Butanone-d5	4.65	46	149354	46.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.22%
24) Chloroform-d	5.08	84	81334	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.72	65	46382	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
32) Benzene-d6	5.74	84	158079	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.20%
36) 1,2-Dichloropropane-d6	6.70	67	53047	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.60%
41) Toluene-d8	7.90	98	133210	3.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.80%
43) trans-1,3-Dichloropropene-	8.19	79	20756	3.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.60%
46) 2-Hexanone-d5	8.64	63	134465	43.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50758	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	52555	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

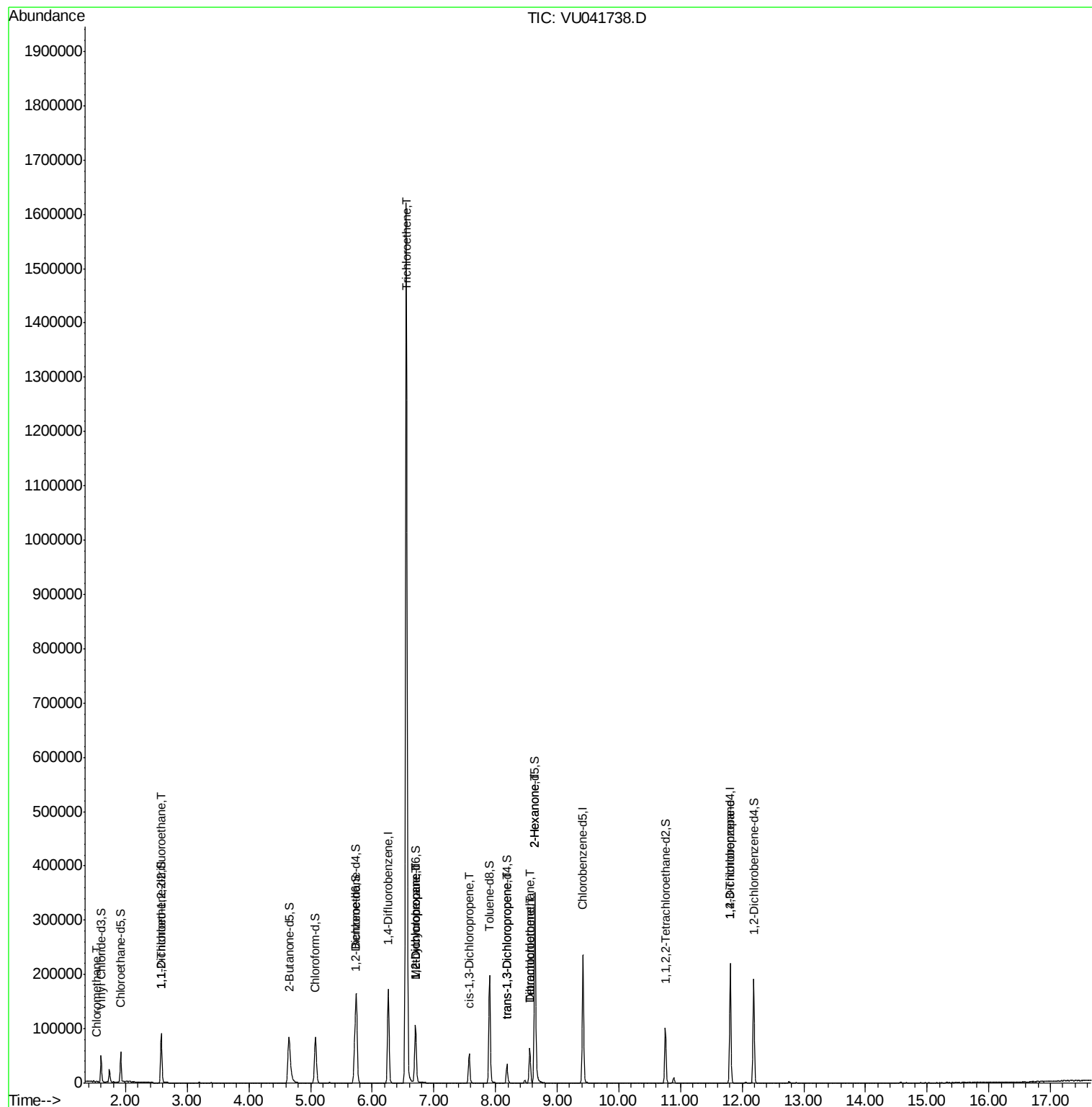
					Ovalue
3) Chloromethane	1.52	50	911	0.077	ug/L 86
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	522	0.053	ug/L # 22
34) Trichloroethene	6.55	95	566687	50.529	ug/L 96
35) Methylcyclohexane	6.70	83	11967	0.660	ug/L # 18
37) 1,2-Dichloropropane	6.70	63	5466	0.479	ug/L # 88
39) cis-1,3-Dichloropropene	7.57	75	1151	0.068	ug/L # 61
44) trans-1,3-Dichloropropene	8.18	75	994	0.066	ug/L # 57
47) Tetrachloroethene	8.56	164	14392	1.833	ug/L 96
48) 2-Hexanone	8.64	43	15674	2.651	ug/L # 63
49) Dibromochloromethane	8.56	129	14186	1.463	ug/L # 10
59) 1,2,3-Trichloropropane	11.81	75	7123	0.831	ug/L 94

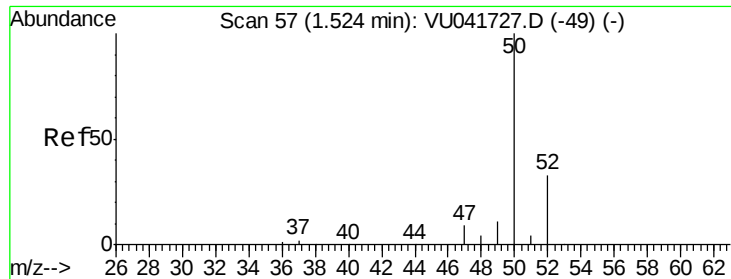
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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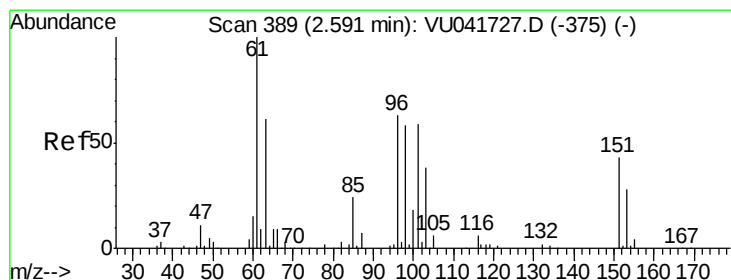
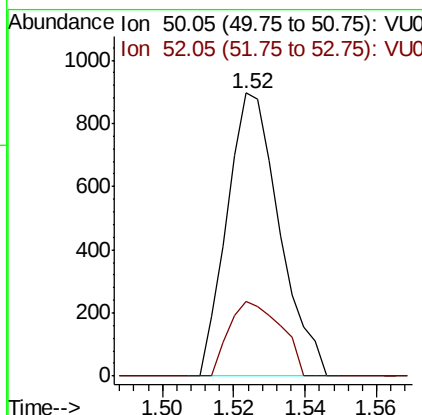
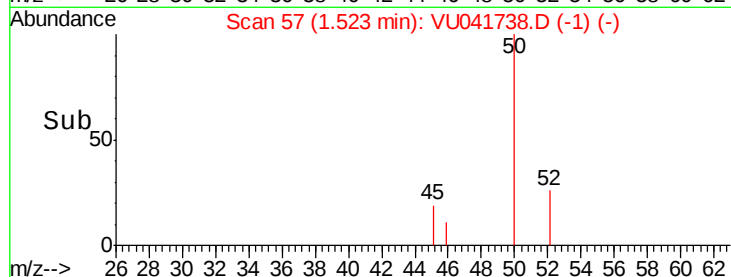
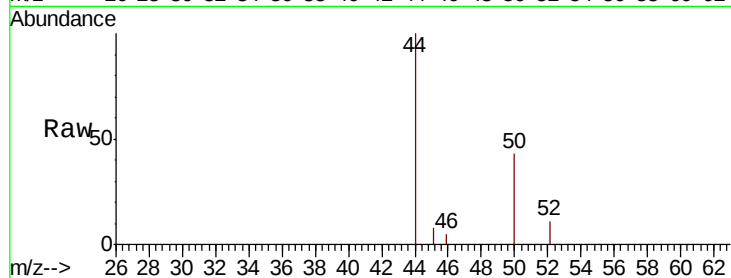




#3
Chloromethane
Concen: 0.077 ug/L
RT: 1.52 min Scan# 57
Delta R.T. -0.00 min
Lab File: VU041738.D
Acq: 22 Dec 2020 13:50

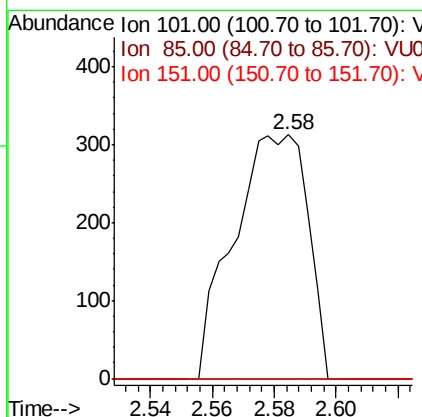
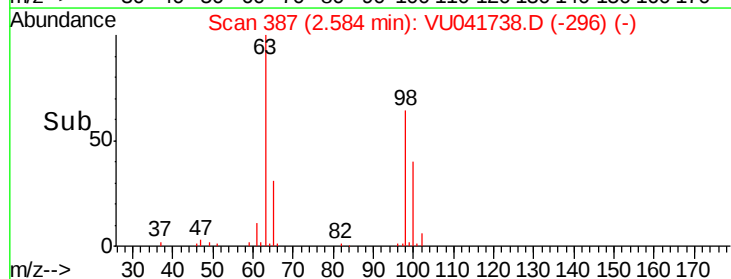
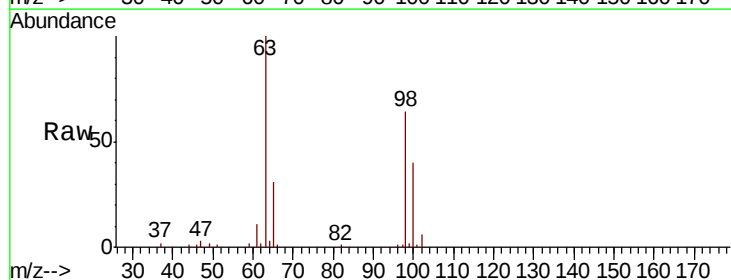
Instrument :
MSVOA_U
ClientSampleId :
BG4S0

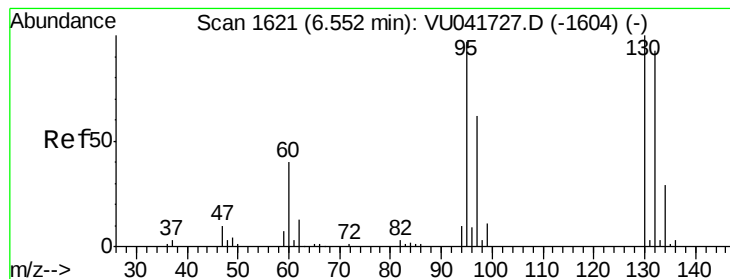
Tot Ion: 50 Resp: 911
Ion Ratio Lower Upper
50 100
52 26.5 24.1 44.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.053 ug/L
RT: 2.58 min Scan# 387
Delta R.T. -0.01 min
Lab File: VU041738.D
Acq: 22 Dec 2020 13:50

Tgt Ion: 101 Resp: 522
Ion Ratio Lower Upper
101 100
85 0.0 33.6 50.4#
151 0.0 56.2 84.4#





#34

Trichloroethene

Concen: 50.529 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041738.D

Acq: 22 Dec 2020 13:50

Instrument :

MSVOA_U

ClientSampleId :

BG4S0

Tot Ion: 95 Resp: 566687

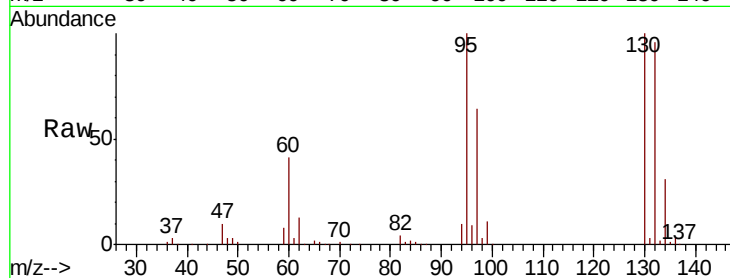
Ion Ratio Lower Upper

95 100

97 64.2 43.9 81.5

132 96.4 63.1 117.3

130 99.9 67.4 125.2

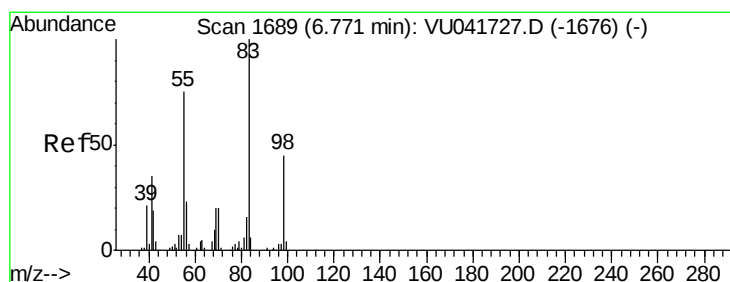
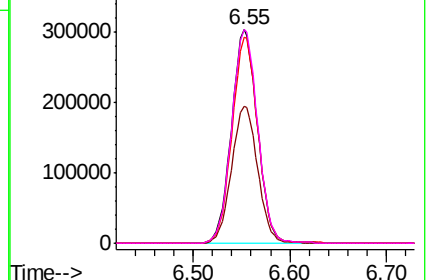
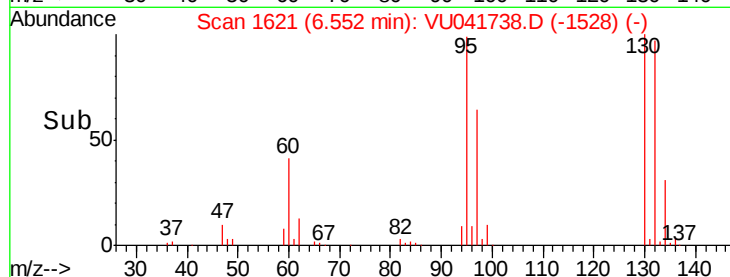


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.660 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041738.D

Acq: 22 Dec 2020 13:50

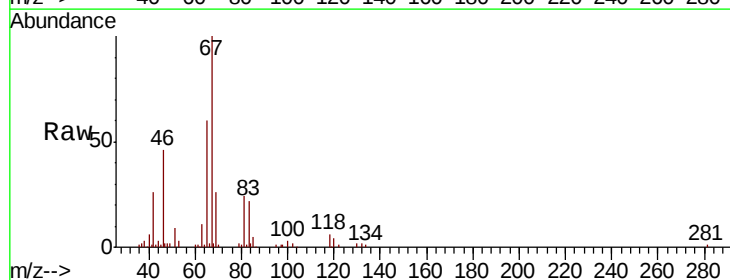
Tgt Ion: 83 Resp: 11967

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

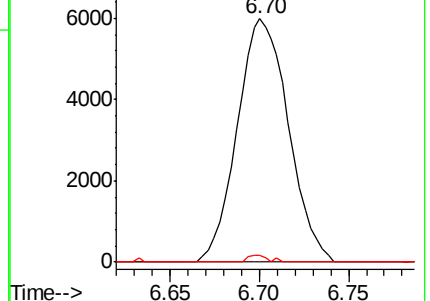
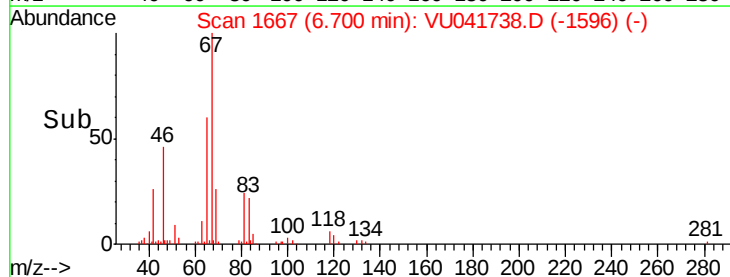
98 0.0 36.6 54.8#

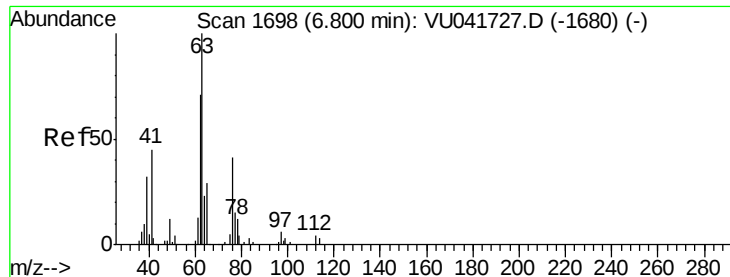


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.479 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU041738.D

Acq: 22 Dec 2020 13:50

Instrument :

MSVOA_U

ClientSampleId :

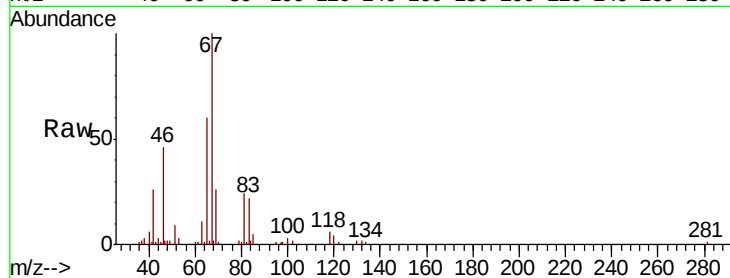
BG4S0

Tot Ion: 63 Resp: 5466

Ion Ratio Lower Upper

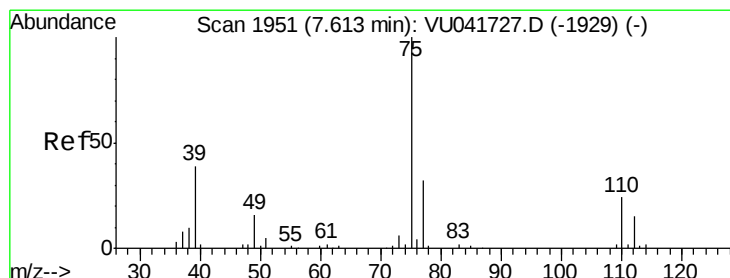
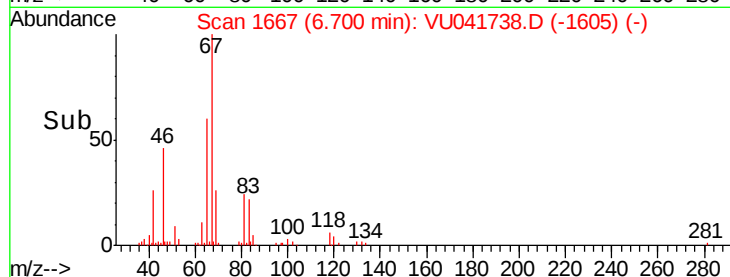
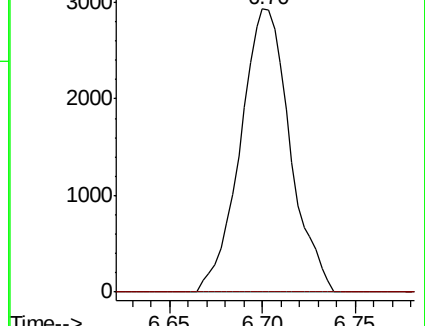
63 100

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



#39

cis-1,3-Dichloropropene

Concen: 0.068 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041738.D

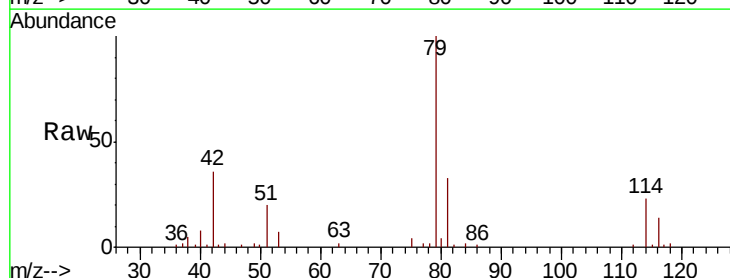
Acq: 22 Dec 2020 13:50

Tgt Ion: 75 Resp: 1151

Ion Ratio Lower Upper

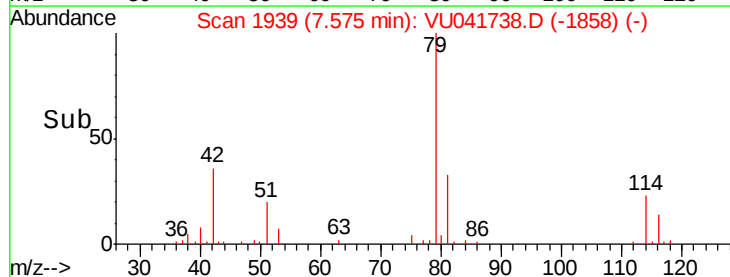
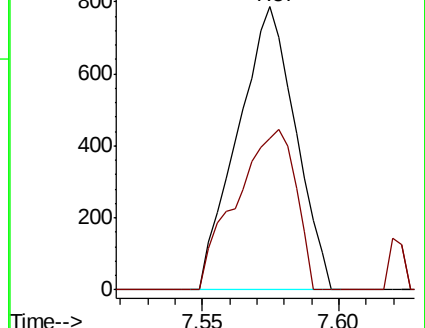
75 100

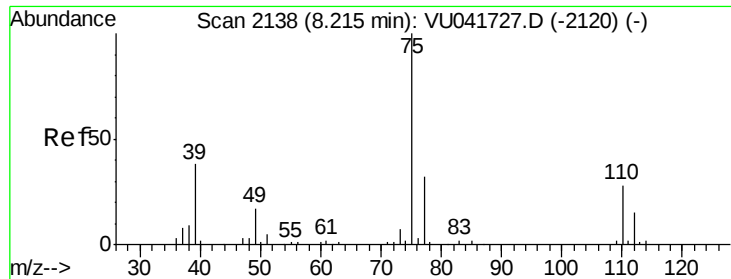
77 53.6 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041738.D

Acq: 22 Dec 2020 13:50

Instrument :

MSVOA_U

ClientSampleId :

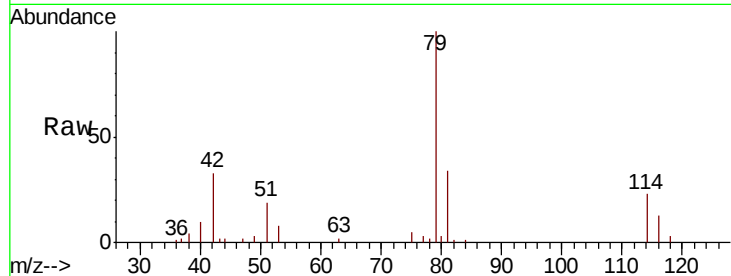
BG4S0

Tot Ion: 75 Resp: 994

Ion Ratio Lower Upper

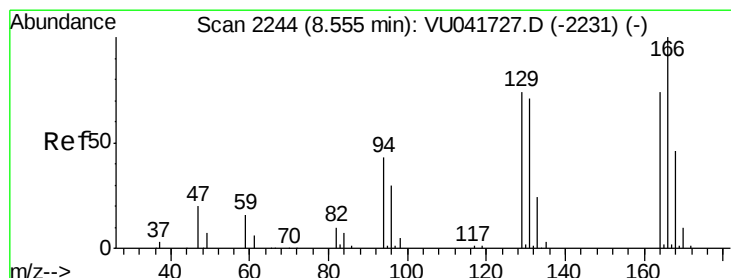
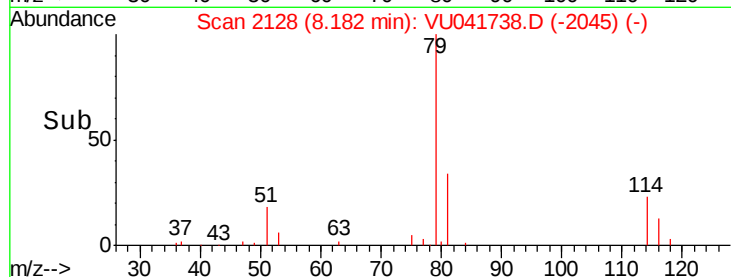
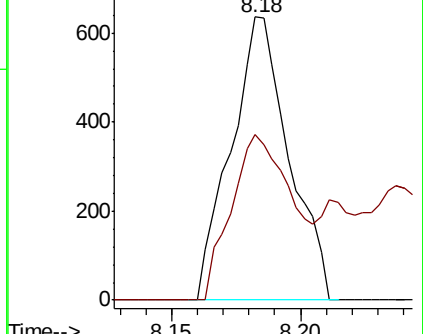
75 100

77 58.6 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 1.833 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041738.D

Acq: 22 Dec 2020 13:50

Tgt Ion:164 Resp: 14392

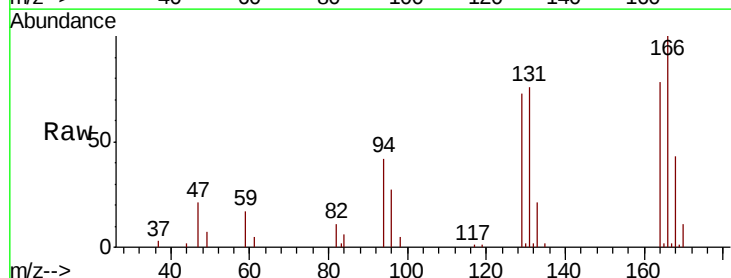
Ion Ratio Lower Upper

164 100

129 93.4 72.2 134.0

131 97.6 66.9 124.3

166 128.5 89.6 166.4

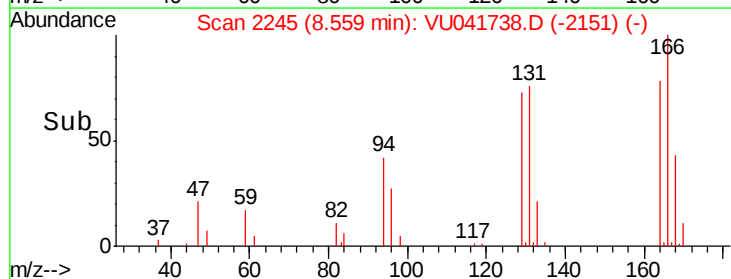
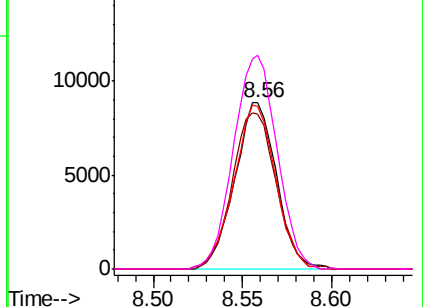


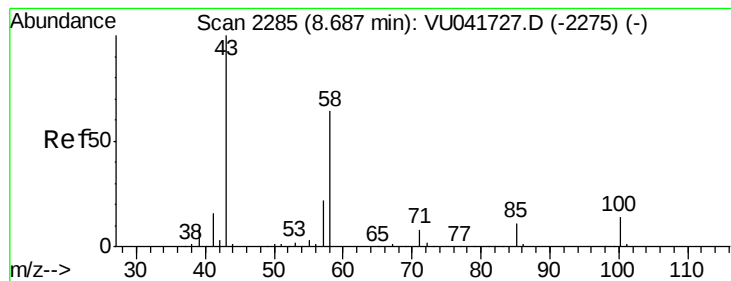
Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.651 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041738.D

Acq: 22 Dec 2020 13:50

Instrument :

MSVOA_U

ClientSampled :

BG4S0

Tot Ion: 43 Resp: 15674

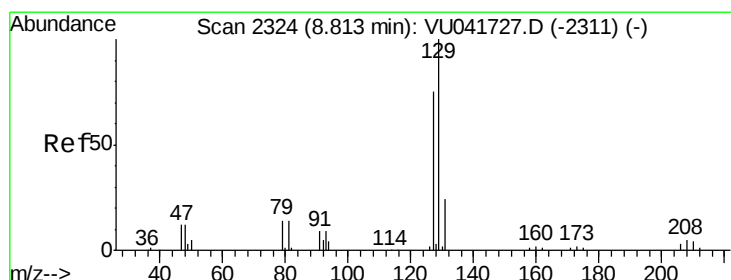
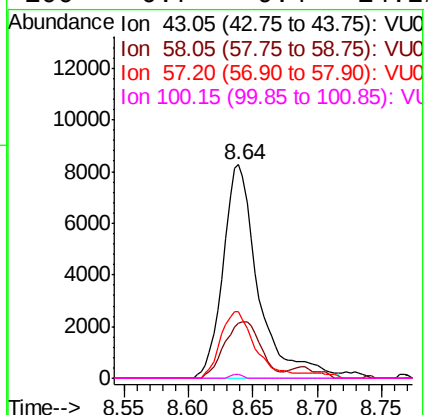
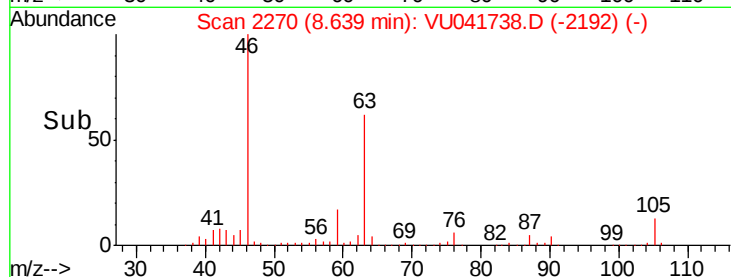
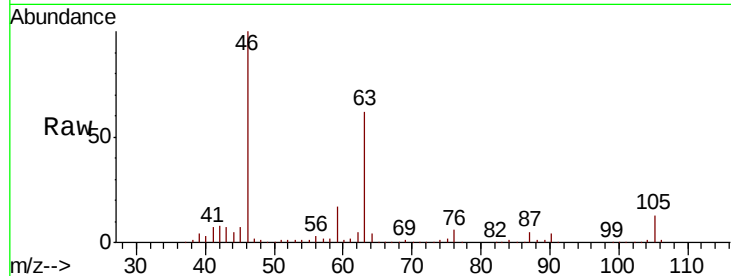
Ion Ratio Lower Upper

43 100

58 27.2 47.9 71.9#

57 31.6 16.5 24.7#

100 0.7 9.4 14.2#



#49

Dibromochloromethane

Concen: 1.463 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041738.D

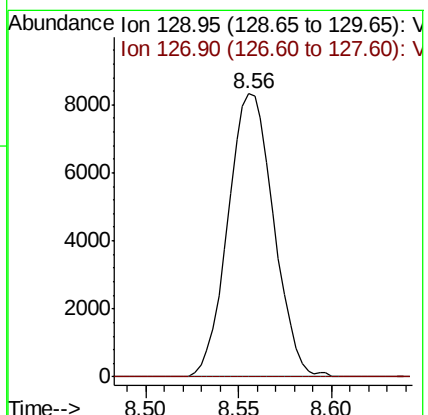
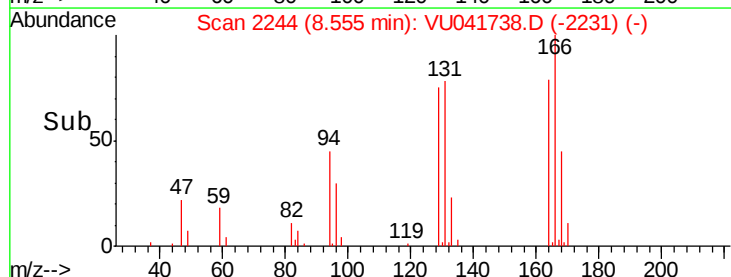
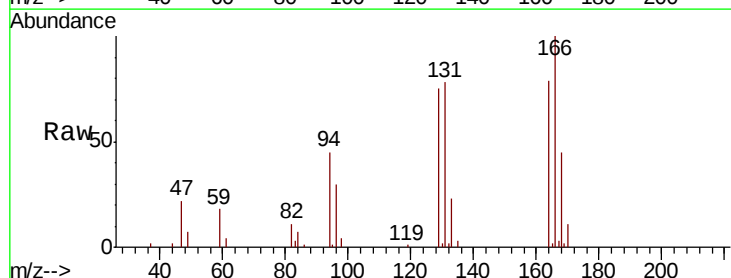
Acq: 22 Dec 2020 13:50

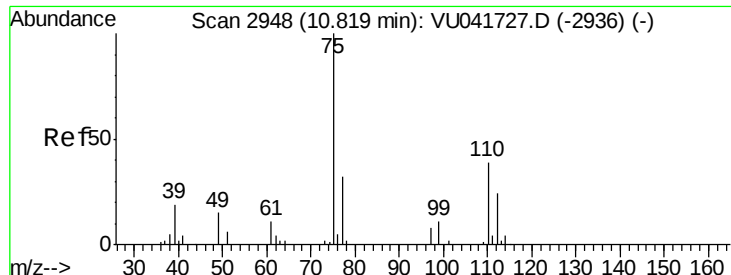
Tgt Ion: 129 Resp: 14186

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.831 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041738.D

Acq: 22 Dec 2020 13:50

Instrument :

MSVOA_U

ClientSampleId :

BG4S0

Tot Ion: 75 Resp: 7123

Ion Ratio Lower Upper

75 100

77 36.1 26.2 39.2

