

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122320\
 Data File : VU041793.D
 Acq On : 23 Dec 2020 19:44
 Operator : SY/MD
 Sample : L5185-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4T1

Quant Time: Dec 24 04:31:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 24 01:08:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	131272	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	122606	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53187	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	38335	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.92	69	42143	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.58	63	60097	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.65	46	164247	55.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.44%
24) Chloroform-d	5.08	84	89113	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.72	65	51727	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.74	84	166024	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.70	67	57602	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.90	98	127863	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	8.19	79	20019	4.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.00%
46) 2-Hexanone-d5	8.64	63	133660	49.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.80%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47593	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	47470	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

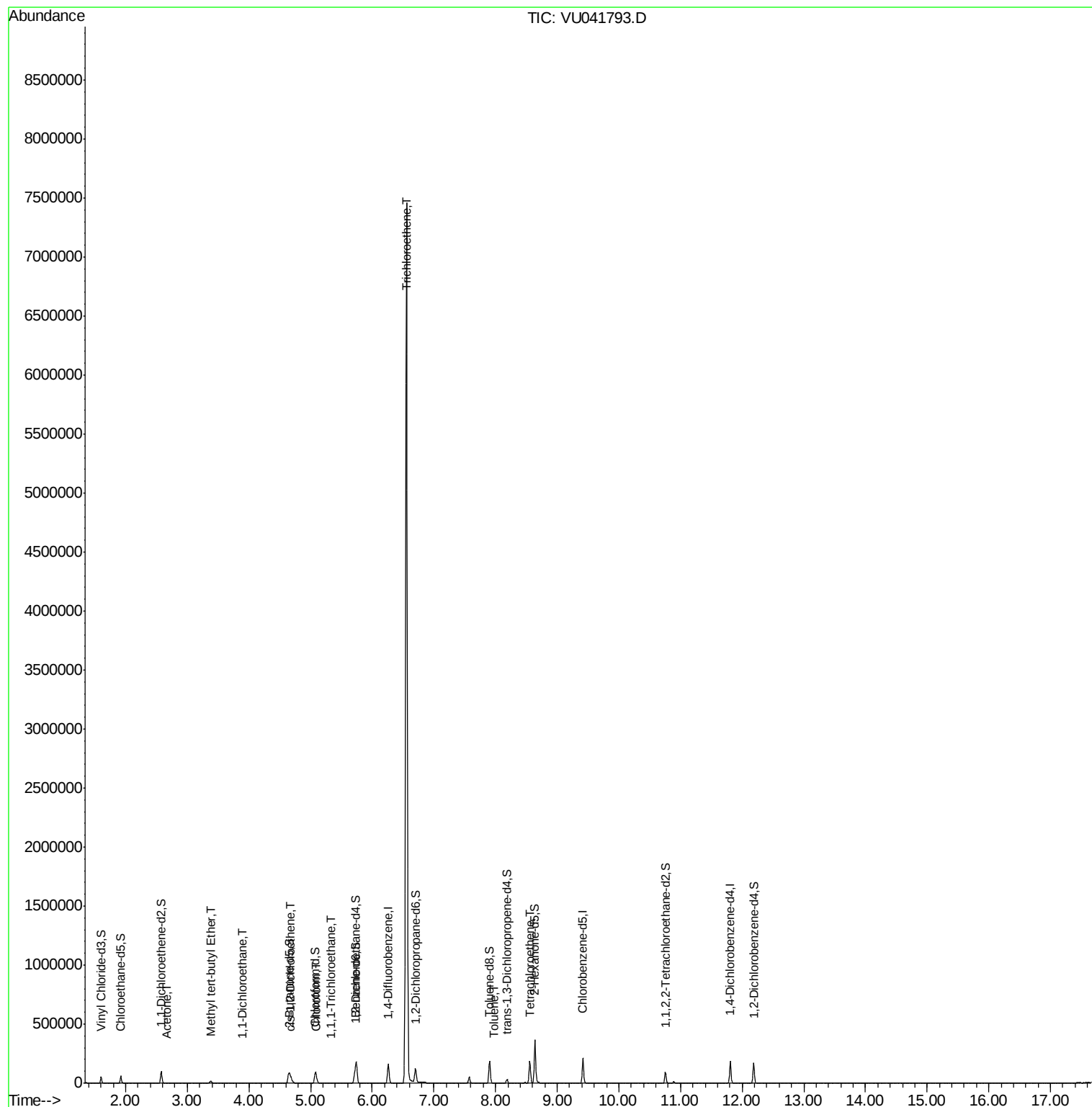
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	2137	1.140	ug/L	66
17) Methyl tert-butyl Ether	3.38	73	20764	0.874	ug/L	99
19) 1,1-Dichloroethane	3.89	63	2905	0.169	ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	8574	0.842	ug/L	96
25) Chloroform	5.11	83	8914	0.514	ug/L	94
29) 1,1,1-Trichloroethane	5.34	97	1296	0.092	ug/L #	44
34) Trichloroethene	6.56	95	2613701	265.264	ug/L	98
42) Toluene	7.97	91	2519	0.062	ug/L	100
47) Tetrachloroethene	8.56	164	42557	6.170	ug/L	97

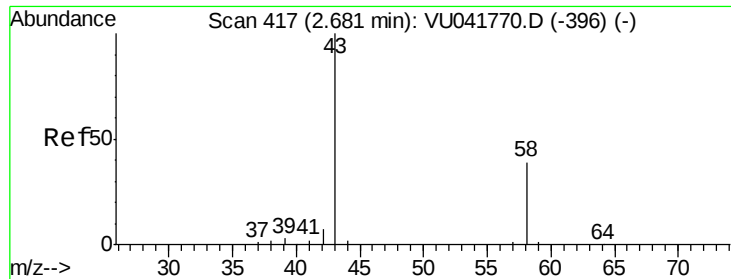
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.140 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.02 min

Lab File: VU041793.D

Acq: 23 Dec 2020 19:44

Instrument :

MSVOA_U

ClientSampleId :

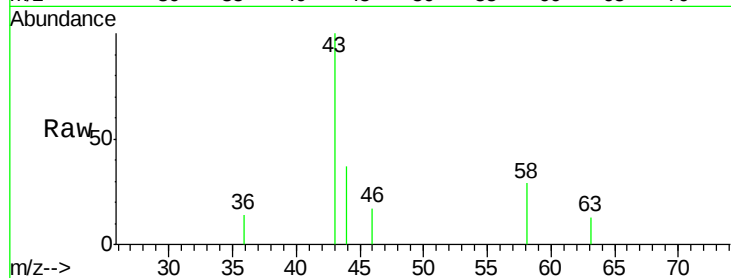
BG4T1

Tot Ion: 43 Resp: 2137

Ion Ratio Lower Upper

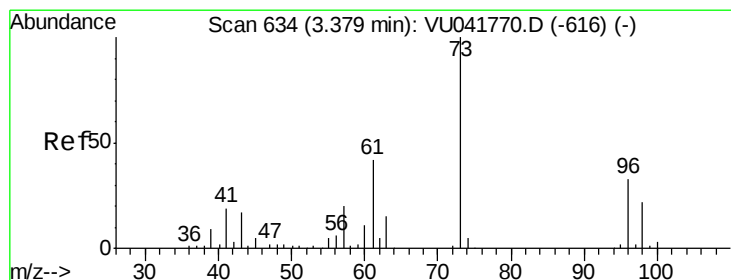
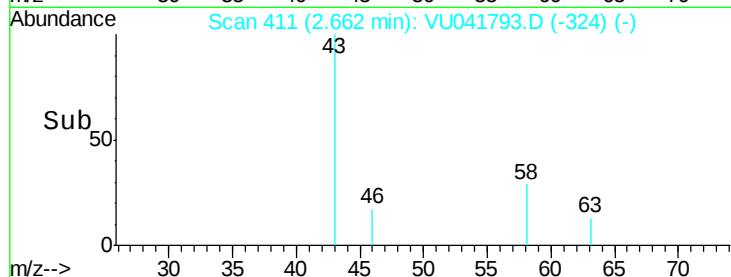
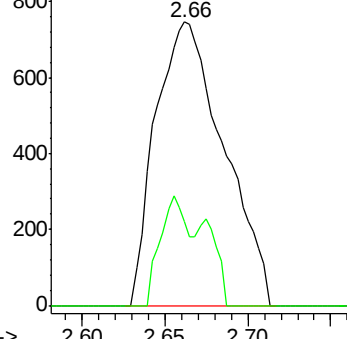
43 100

58 16.6 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#17

Methyl tert-butyl Ether

Concen: 0.874 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU041793.D

Acq: 23 Dec 2020 19:44

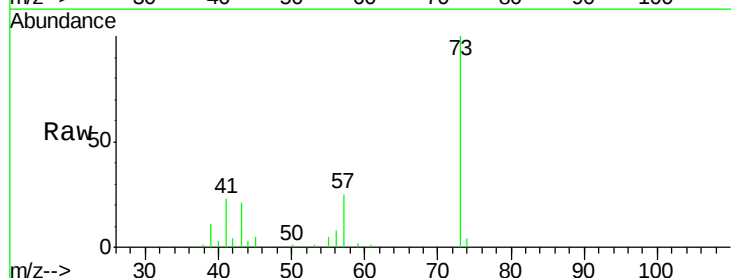
Tgt Ion: 73 Resp: 20764

Ion Ratio Lower Upper

73 100

43 18.6 14.7 22.1

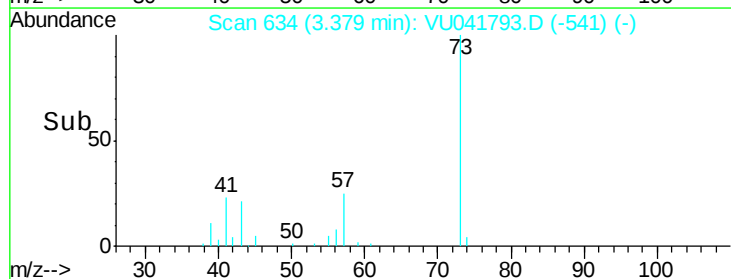
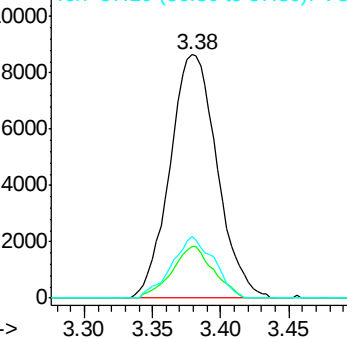
57 22.5 18.2 27.4

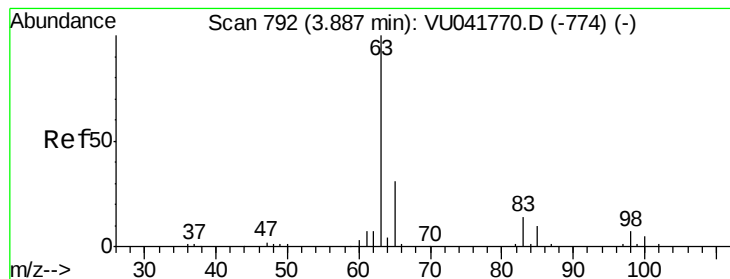


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#19

1,1-Dichloroethane

Concen: 0.169 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041793.D

Acq: 23 Dec 2020 19:44

Instrument :

MSVOA_U

ClientSampleId :

BG4T1

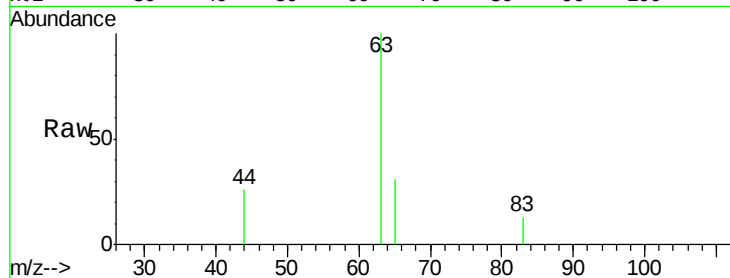
Tot Ion: 63 Resp: 2905

Ion Ratio Lower Upper

63 100

65 30.7 21.3 39.6

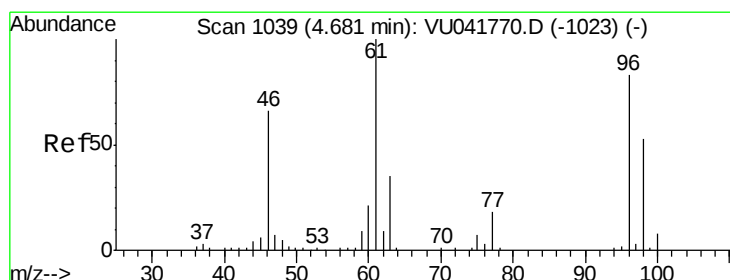
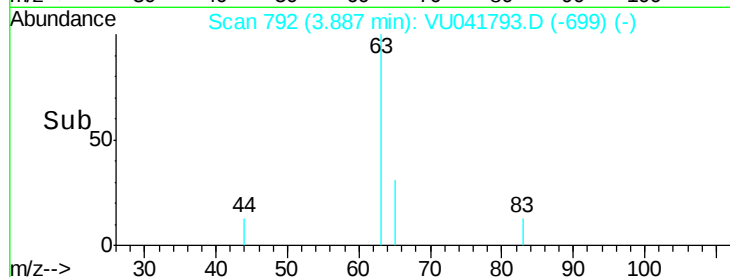
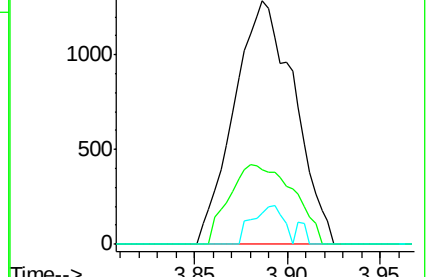
83 12.7 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU041793.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU041793.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU041793.D (-699) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.842 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041793.D

Acq: 23 Dec 2020 19:44

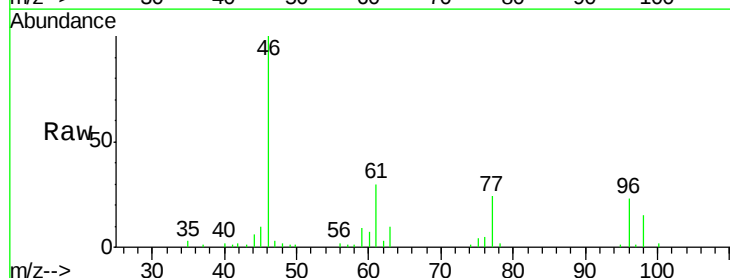
Tgt Ion: 96 Resp: 8574

Ion Ratio Lower Upper

96 100

61 131.3 88.8 165.0

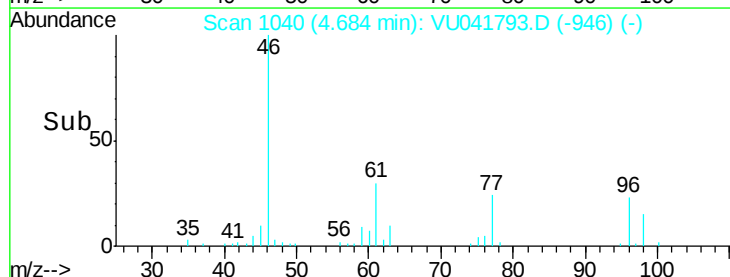
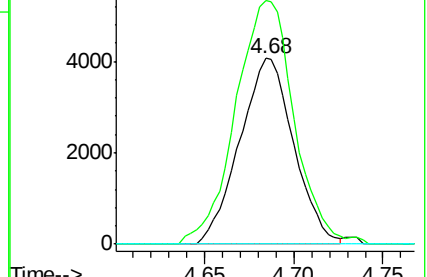
68 0.0 0.0 0.0

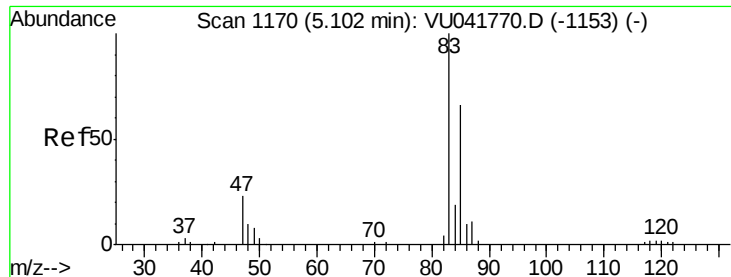


Abundance Ion 96.00 (95.70 to 96.70): VU041793.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU041793.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU041793.D (-946) (-)

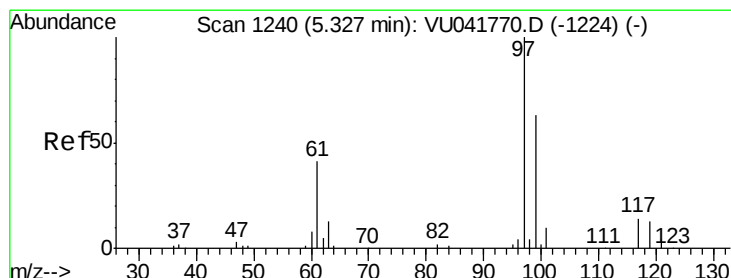
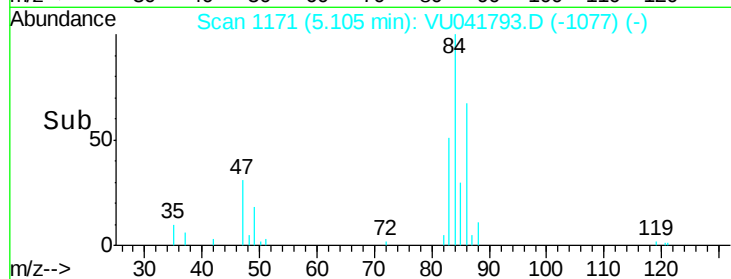
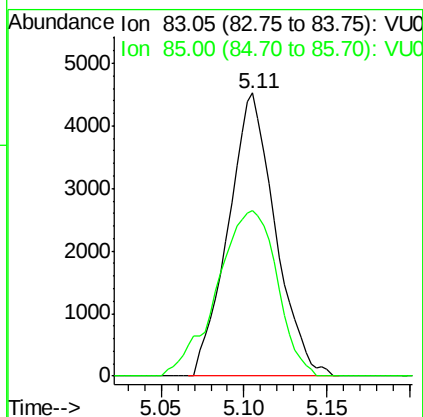
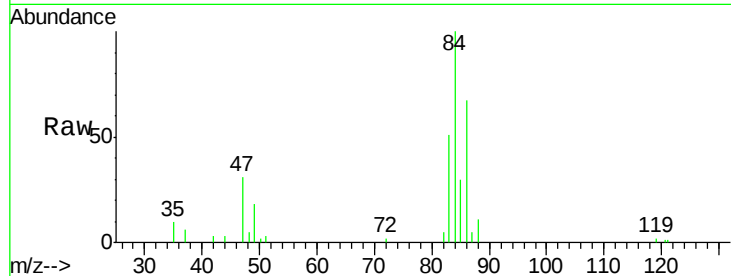




#25
Chloroform
Concen: 0.514 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041793.D
Acq: 23 Dec 2020 19:44

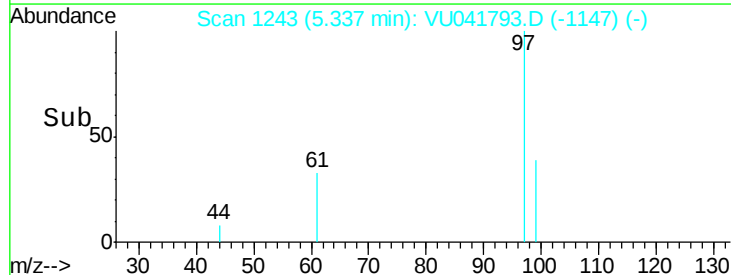
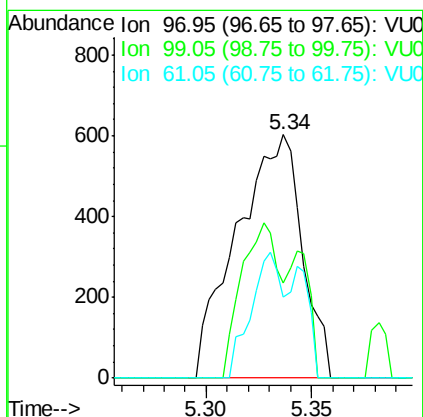
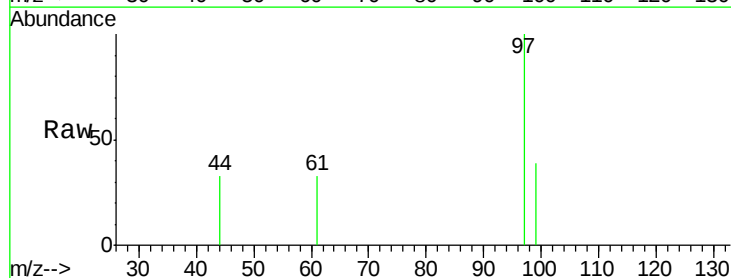
Instrument :
MSVOA_U
ClientSampled :
BG4T1

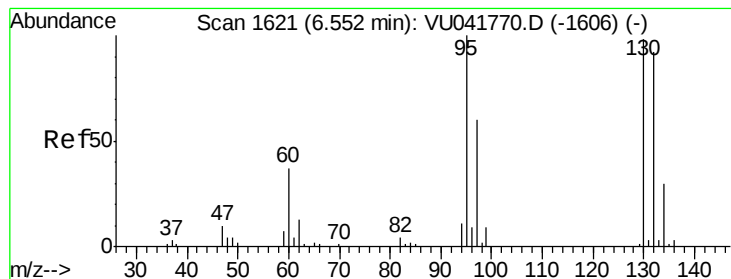
Tot Ion: 83 Resp: 8914
Ion Ratio Lower Upper
83 100
85 58.3 44.2 82.0



#29
1,1,1-Trichloroethane
Concen: 0.092 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VU041793.D
Acq: 23 Dec 2020 19:44

Tgt Ion: 97 Resp: 1296
Ion Ratio Lower Upper
97 100
99 16.4 51.3 76.9#
61 13.7 36.5 54.7#





#34

Trichloroethene

Concen: 265.264 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041793.D

Acq: 23 Dec 2020 19:44

Instrument :

MSVOA_U

ClientSampleId :

BG4T1

Tot Ion: 95 Resp: 2613701

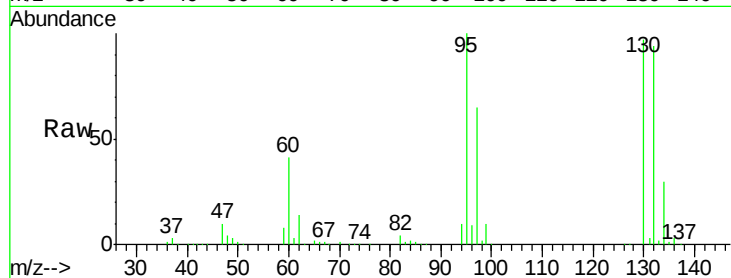
Ion Ratio Lower Upper

95 100

97 64.7 43.9 81.5

132 93.8 63.1 117.3

130 96.6 67.4 125.2

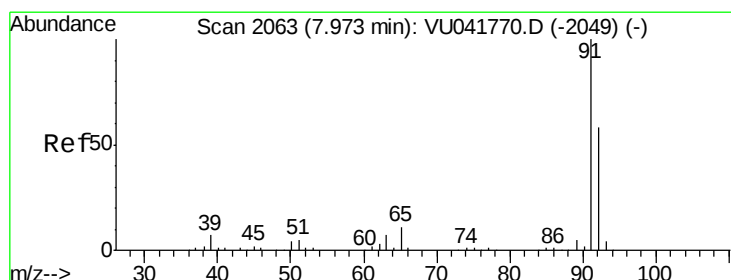
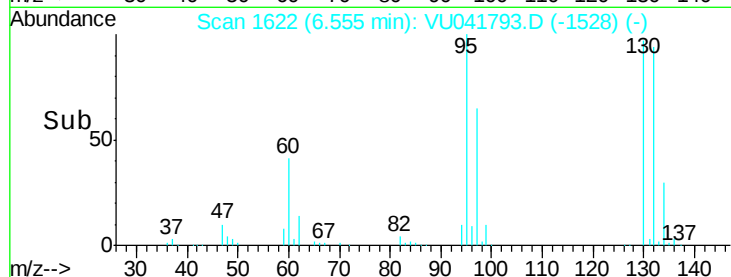
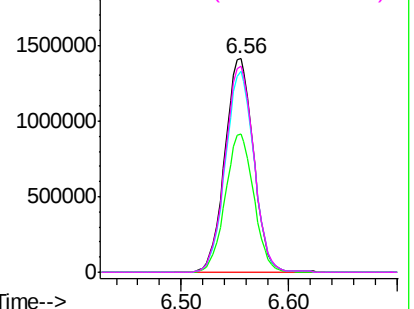


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#42

Toluene

Concen: 0.062 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041793.D

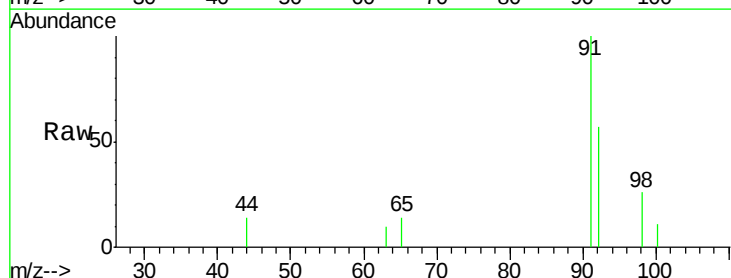
Acq: 23 Dec 2020 19:44

Tgt Ion: 91 Resp: 2519

Ion Ratio Lower Upper

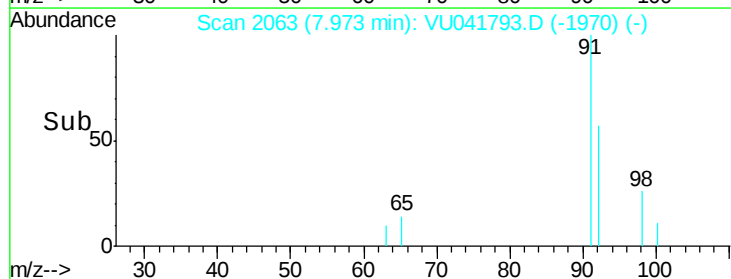
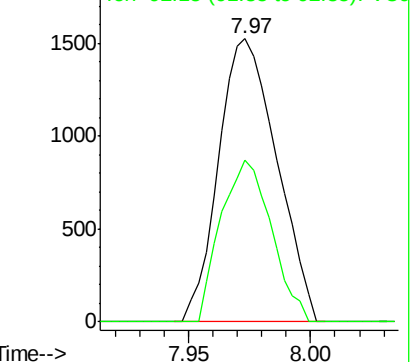
91 100

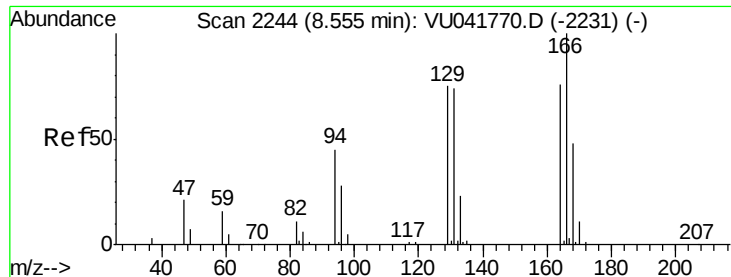
92 57.1 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#47

Tetrachloroethene

Concen: 6.170 ug/L

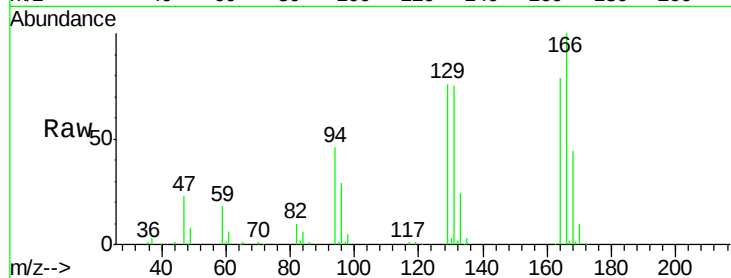
RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041793.D

Acq: 23 Dec 2020 19:44

Instrument :
MSVOA_U
ClientSampleId :
BG4T1



Tot Ion:164 Resp: 42557

Ion Ratio Lower Upper

164 100

129 96.0 72.2 134.0

131 95.2 66.9 124.3

166 126.6 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

