

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102120\
 Data File : VU040878.D
 Acq On : 21 Oct 2020 17:08
 Operator : SY/MD
 Sample : L4420-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK5

Quant Time: Oct 22 01:41:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 00:42:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	231049	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	236204	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	102762	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	77627	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.92	69	71893	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.58	63	124398	3.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.80%
20) 2-Butanone-d5	4.65	46	343551	61.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.18%
24) Chloroform-d	5.08	84	171534	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.72	65	103797	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.74	84	302203	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.70	67	105443	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.91	98	240022	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	8.19	79	40888	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.64	63	254169	60.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.18%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	101365	5.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	99057	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

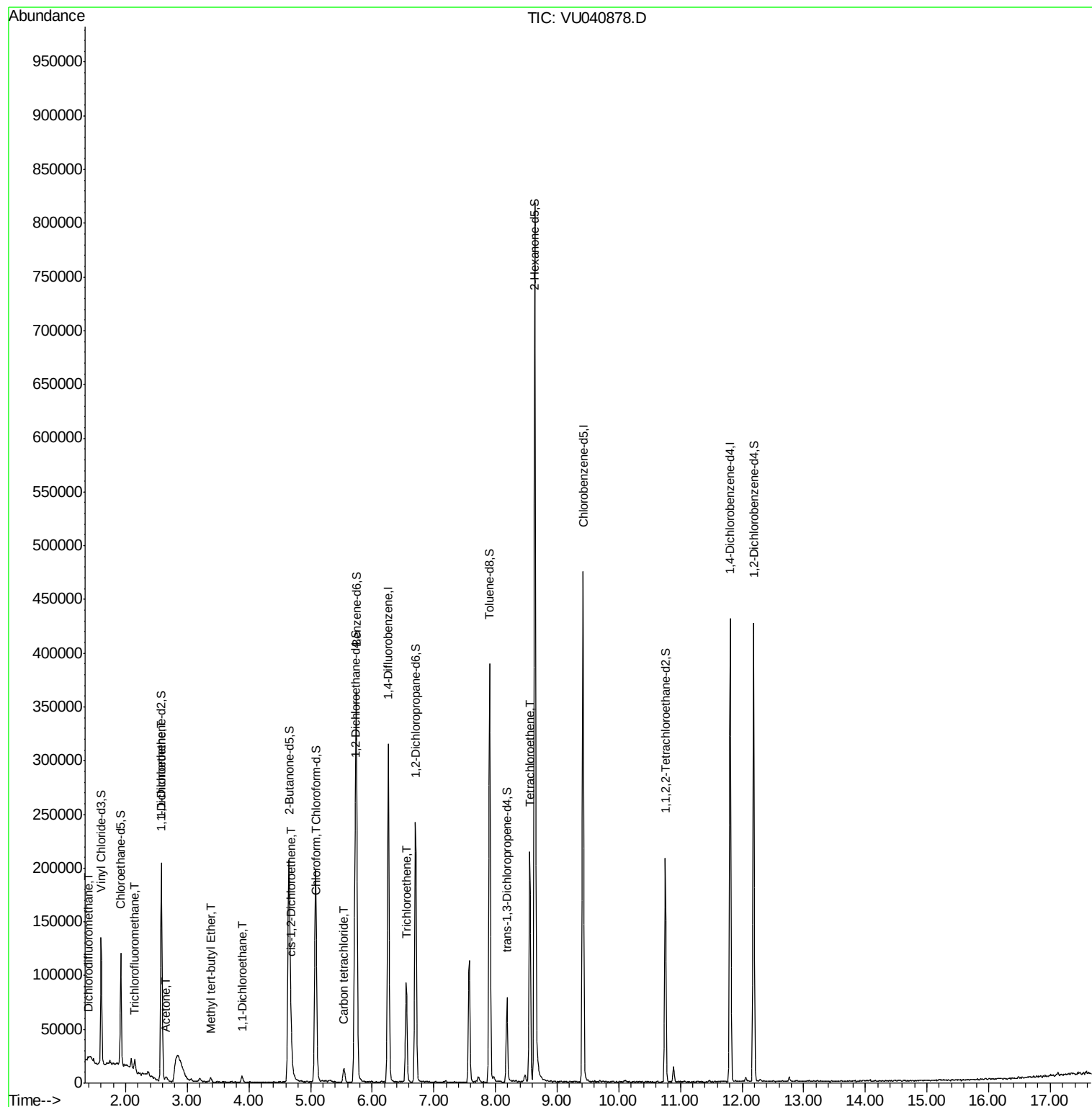
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	1270	0.054	ug/L #	83
9) Trichlorofluoromethane	2.15	101	5416	0.173	ug/L	91
12) 1,1-Dichloroethene	2.59	96	4732	0.280	ug/L #	1
13) Acetone	2.65	43	6797	1.720	ug/L	69
17) Methyl tert-butyl Ether	3.38	73	3698	0.090	ug/L #	79
19) 1,1-Dichloroethane	3.89	63	5625	0.159	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	3598	0.187	ug/L	69
25) Chloroform	5.11	83	8652	0.240	ug/L	86
31) Carbon tetrachloride	5.54	117	8064	0.299	ug/L	90
34) Trichloroethene	6.56	95	31021	1.605	ug/L	92
47) Tetrachloroethene	8.56	164	43205	3.004	ug/L	96

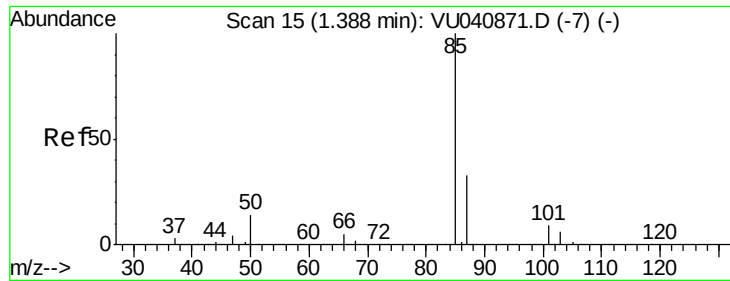
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.054 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040878.D

Acq: 21 Oct 2020 17:08

Instrument :

MSVOA_U

ClientSampleId :

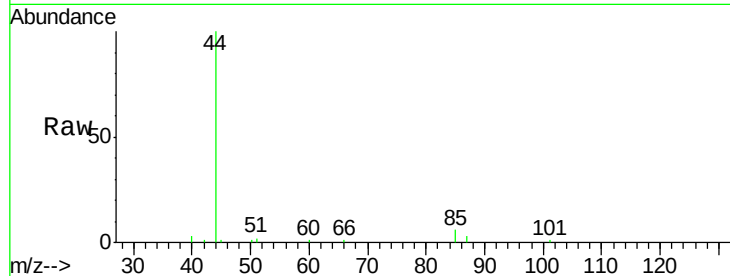
C0AK5

Tot Ion: 85 Resp: 1270

Ion Ratio Lower Upper

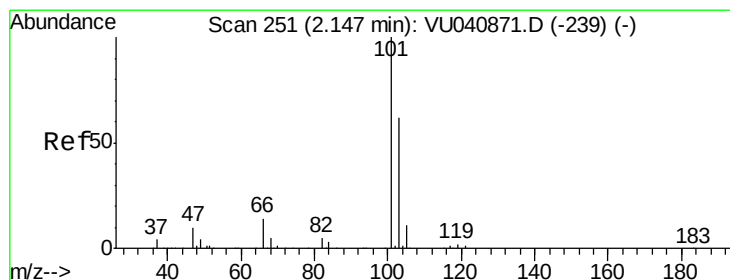
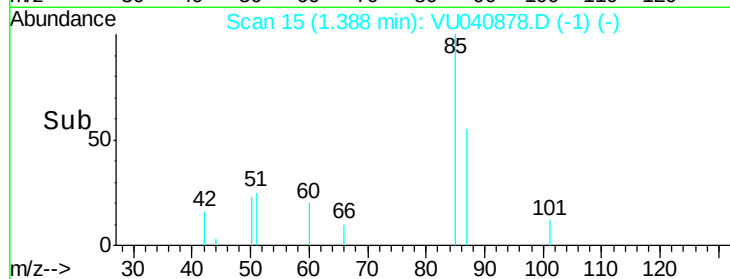
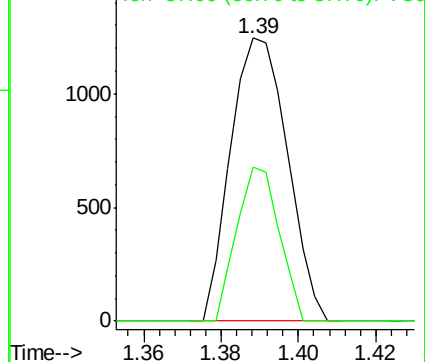
85 100

87 40.6 25.0 37.6#



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#9

Trichlorofluoromethane

Concen: 0.173 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040878.D

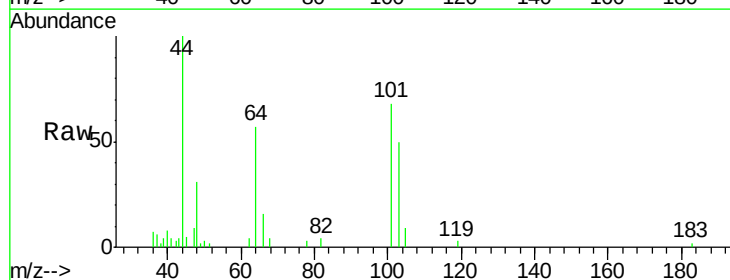
Acq: 21 Oct 2020 17:08

Tgt Ion:101 Resp: 5416

Ion Ratio Lower Upper

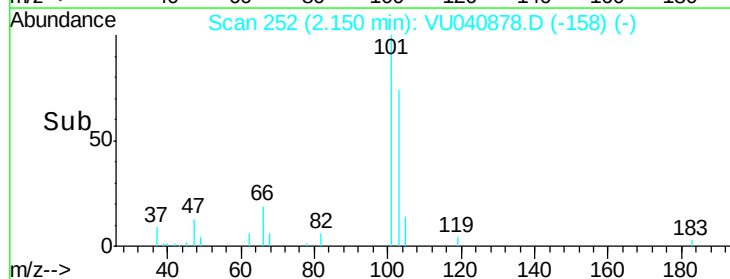
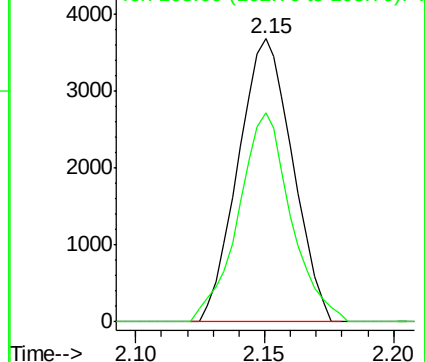
101 100

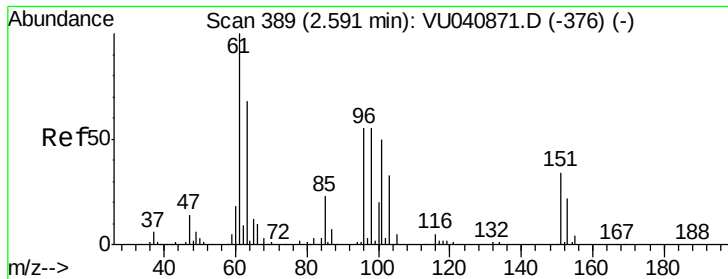
103 71.7 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1-Dichloroethene

Concen: 0.280 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040878.D

Acq: 21 Oct 2020 17:08

Instrument :

MSVOA_U

ClientSampleId :

C0AK5

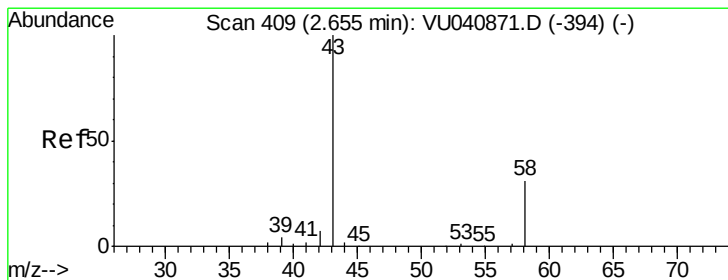
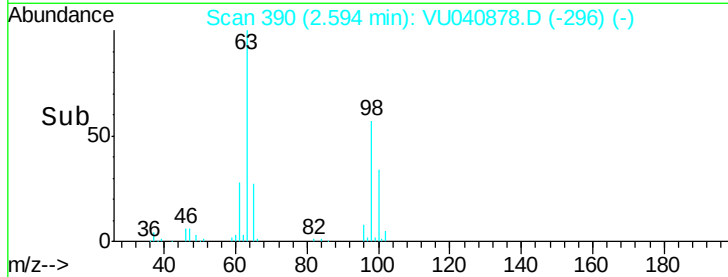
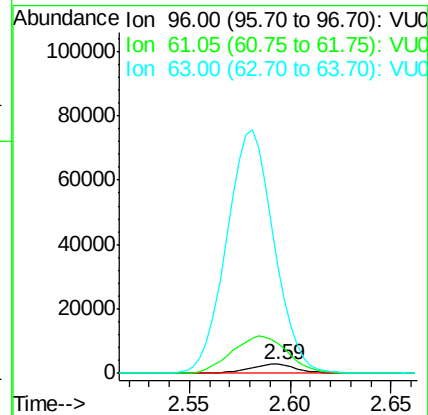
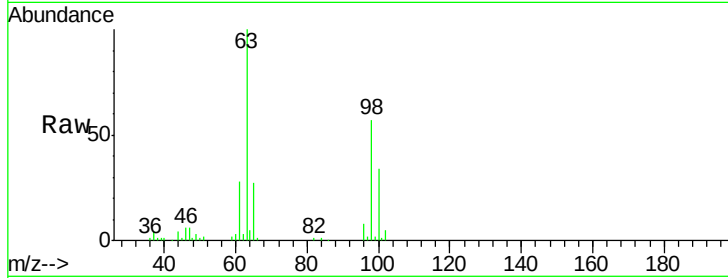
Tot Ion: 96 Resp: 4732

Ion Ratio Lower Upper

96 100

61 329.9 130.9 243.1#

63 1184.2 85.4 158.6#



#13

Acetone

Concen: 1.720 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU040878.D

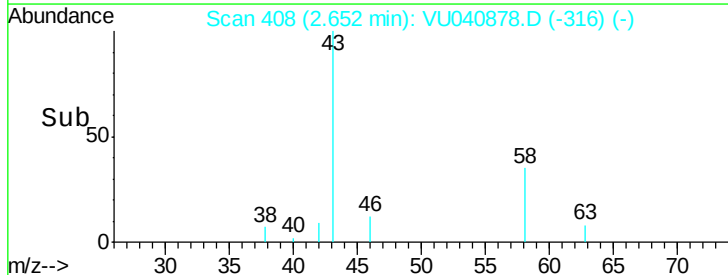
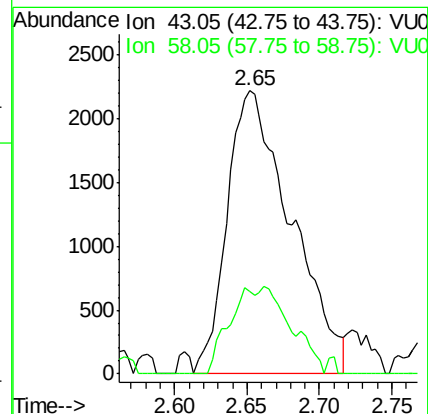
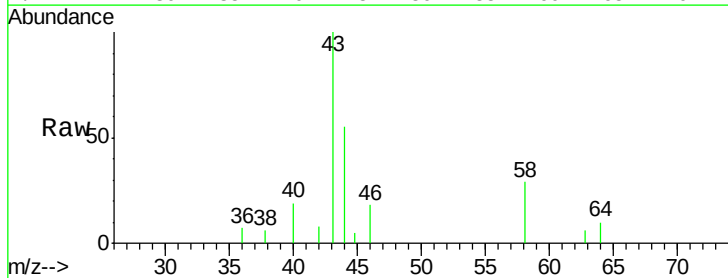
Acq: 21 Oct 2020 17:08

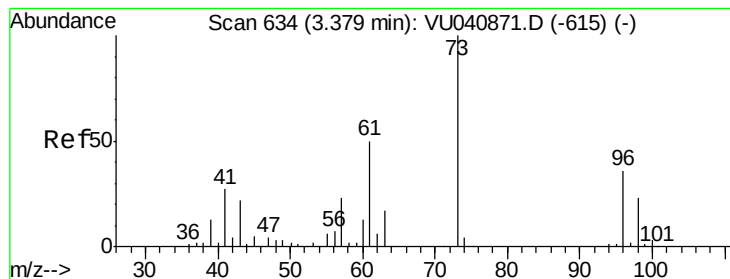
Tgt Ion: 43 Resp: 6797

Ion Ratio Lower Upper

43 100

58 12.7 0.0 58.6





#17

Methyl tert-butyl Ether

Concen: 0.090 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040878.D

Acq: 21 Oct 2020 17:08

Instrument :

MSVOA_U

ClientSampled :

C0AK5

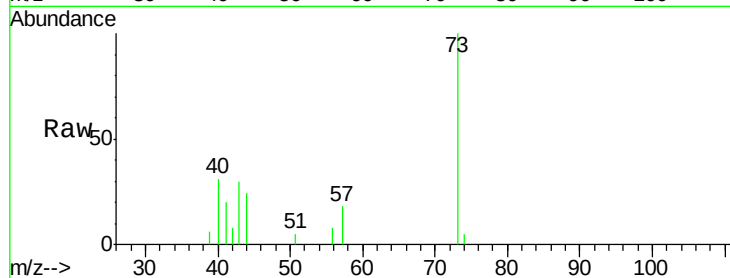
Tot Ion: 73 Resp: 3698

Ion Ratio Lower Upper

73 100

43 36.5 18.6 27.8#

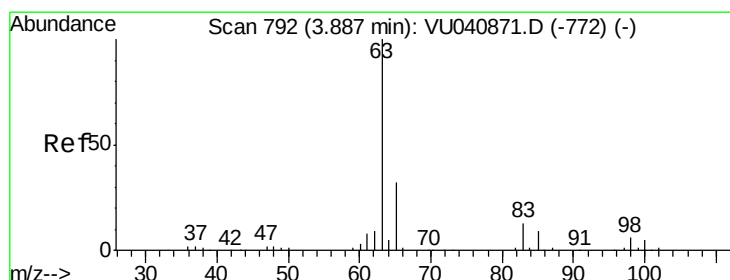
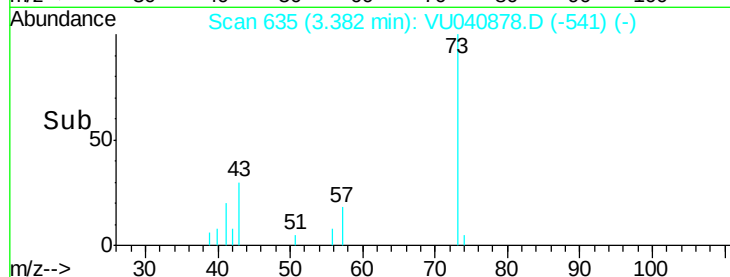
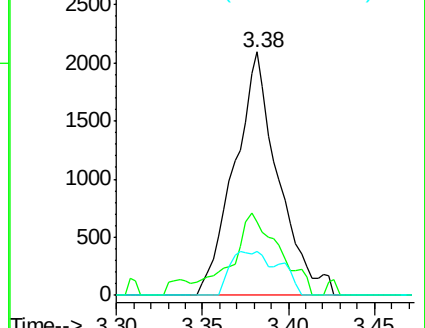
57 15.8 18.5 27.7#



Abundance Ion 73.10 (72.80 to 73.80): VU040878.D (-541) (-)

Ion 43.05 (42.75 to 43.75): VU040878.D (-541) (-)

Ion 57.10 (56.80 to 57.80): VU040878.D (-541) (-)



#19

1,1-Dichloroethane

Concen: 0.159 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040878.D

Acq: 21 Oct 2020 17:08

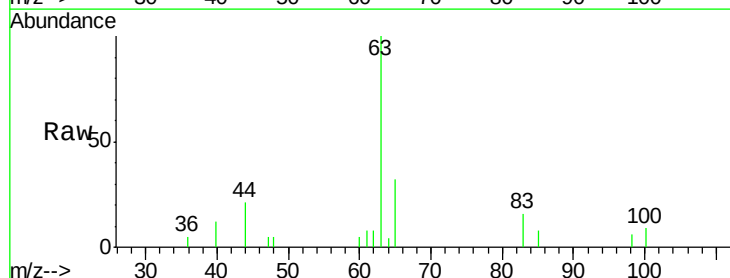
Tgt Ion: 63 Resp: 5625

Ion Ratio Lower Upper

63 100

65 32.2 22.6 42.0

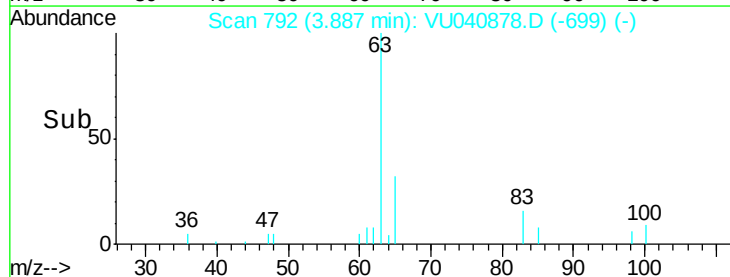
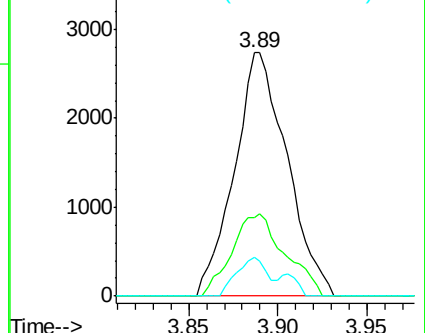
83 15.9 9.4 17.6

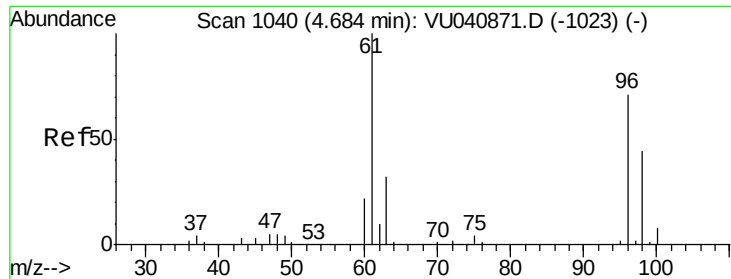


Abundance Ion 63.10 (62.80 to 63.80): VU040878.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU040878.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU040878.D (-699) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.187 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU040878.D

Acq: 21 Oct 2020 17:08

Instrument :

MSVOA_U

ClientSampleId :

C0AK5

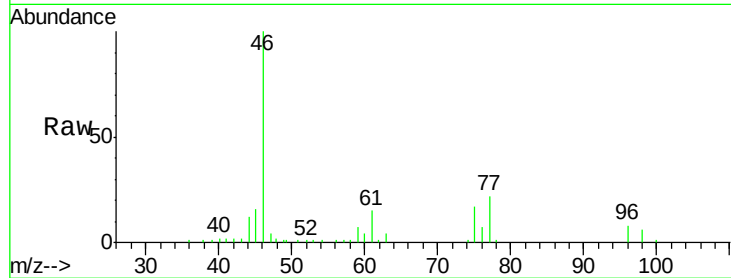
Tot Ion: 96 Resp: 3598

Ion Ratio Lower Upper

96 100

61 180.6 100.0 185.6

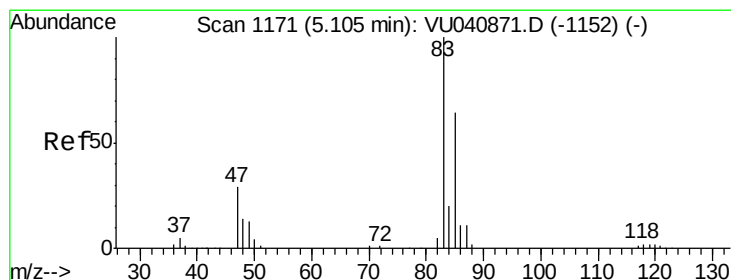
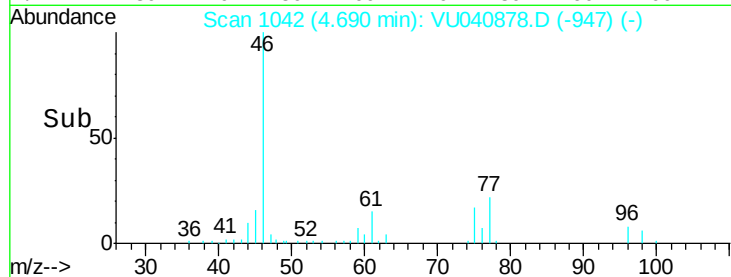
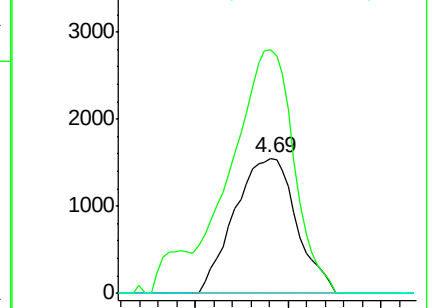
68 0.0 0.0 0.0



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: 0.240 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU040878.D

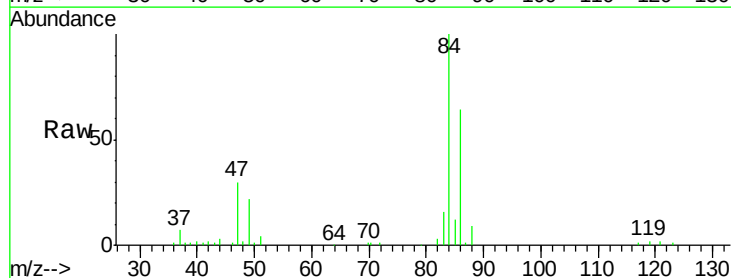
Acq: 21 Oct 2020 17:08

Tgt Ion: 83 Resp: 8652

Ion Ratio Lower Upper

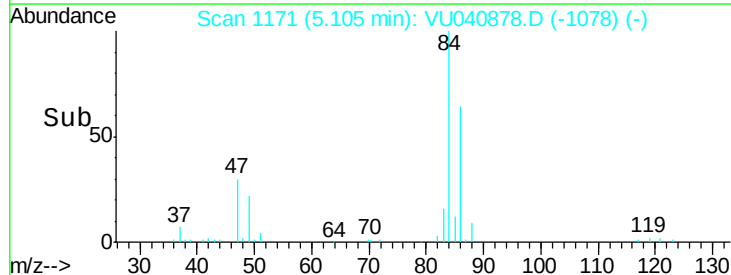
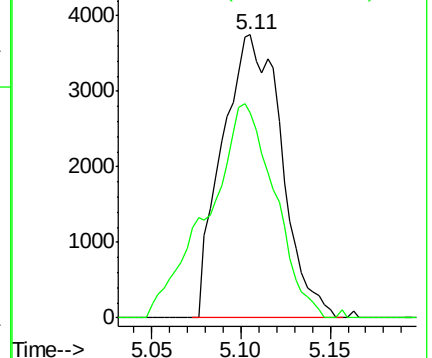
83 100

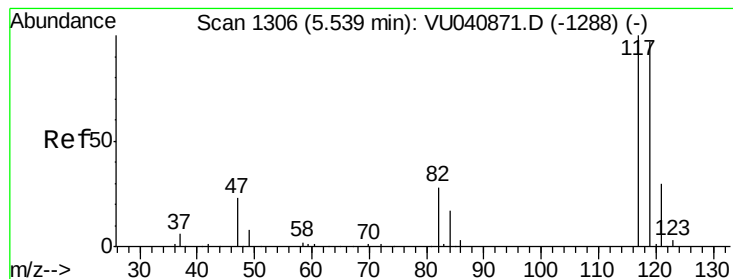
85 72.7 43.4 80.6



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#31

Carbon tetrachloride

Concen: 0.299 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040878.D

Acq: 21 Oct 2020 17:08

Instrument :

MSVOA_U

ClientSampleId :

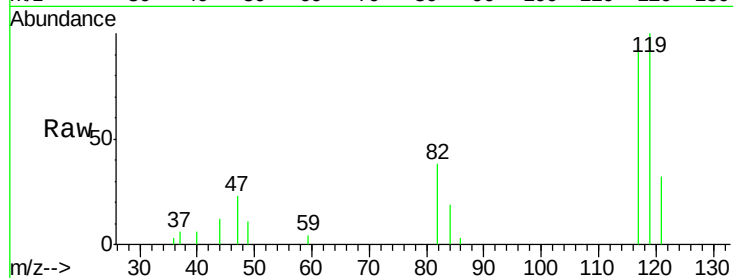
C0AK5

Tot Ion:117 Resp: 8064

Ion Ratio Lower Upper

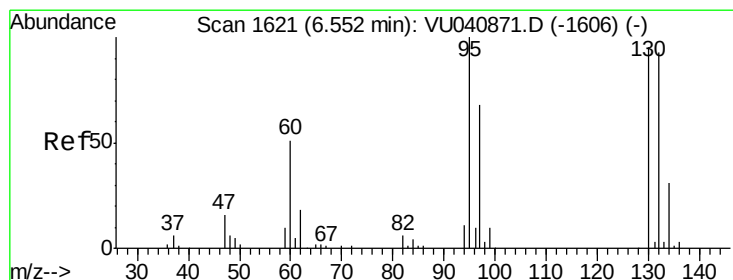
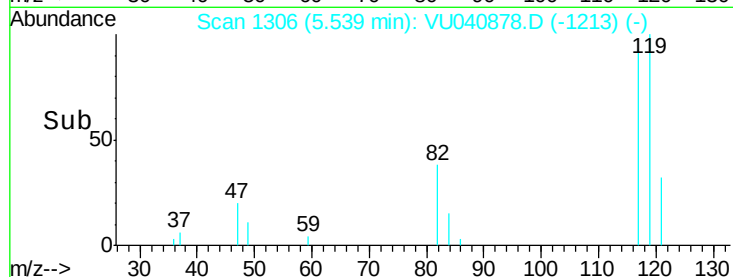
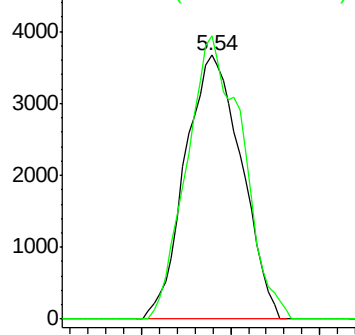
117 100

119 106.0 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 1.605 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040878.D

Acq: 21 Oct 2020 17:08

Tgt Ion: 95 Resp: 31021

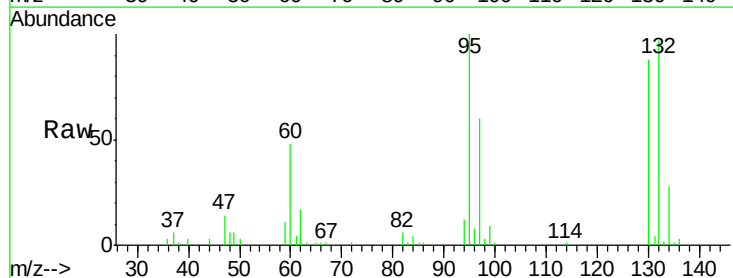
Ion Ratio Lower Upper

95 100

97 59.5 46.0 85.4

132 96.7 63.6 118.2

130 88.5 68.6 127.4

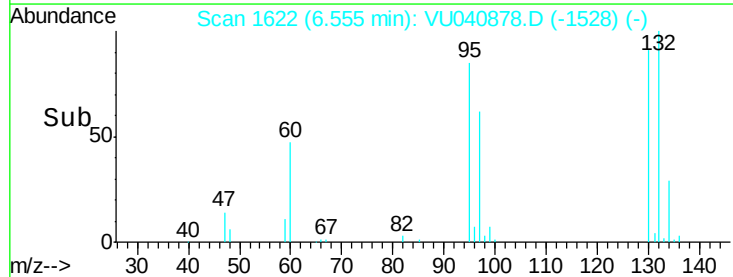
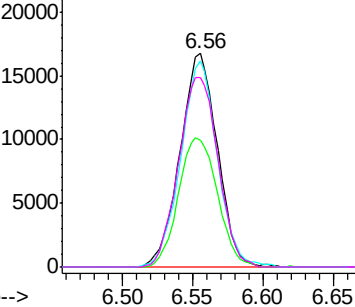


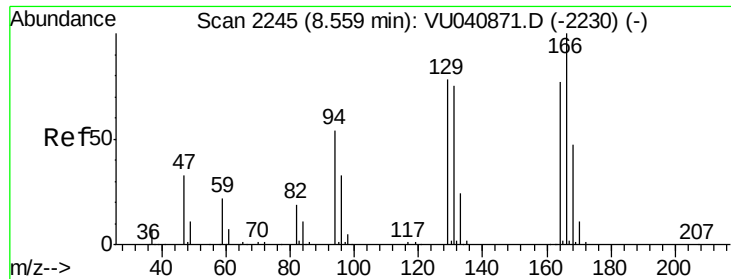
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0





#47

Tetrachloroethene

Concen: 3.004 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

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Tot Ion:164 Resp: 43205

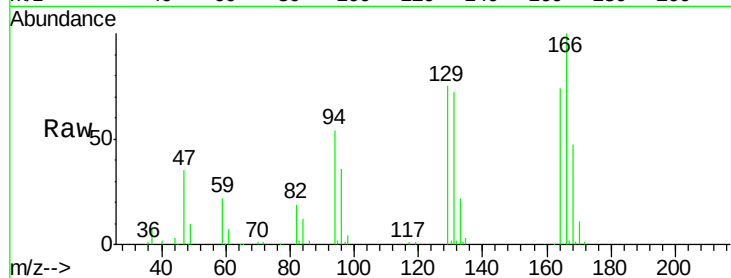
Ion Ratio Lower Upper

164 100

129 101.0 69.7 129.4

131 97.1 65.4 121.4

166 134.4 90.0 167.2



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

