

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U103020\
 Data File : VU041020.D
 Acq On : 29 Oct 2020 17:54
 Operator : SY/MD
 Sample : L4558-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BP5

Quant Time: Oct 30 07:26:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 30 08:06:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	54227	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	54804	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23091	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15737	3.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.00%
7) Chloroethane-d5	1.92	69	13426	3.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.80%
11) 1,1-Dichloroethene-d2	2.58	63	27181	3.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	4.66	46	82790	55.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.38%
24) Chloroform-d	5.08	84	34766	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.72	65	22954	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	5.74	84	60080	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.00%
36) 1,2-Dichloropropane-d6	6.70	67	22942	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.91	98	48169	3.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.60%
43) trans-1,3-Dichloropropene-	8.19	79	8936	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.64	63	56529	50.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20739	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	19285	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

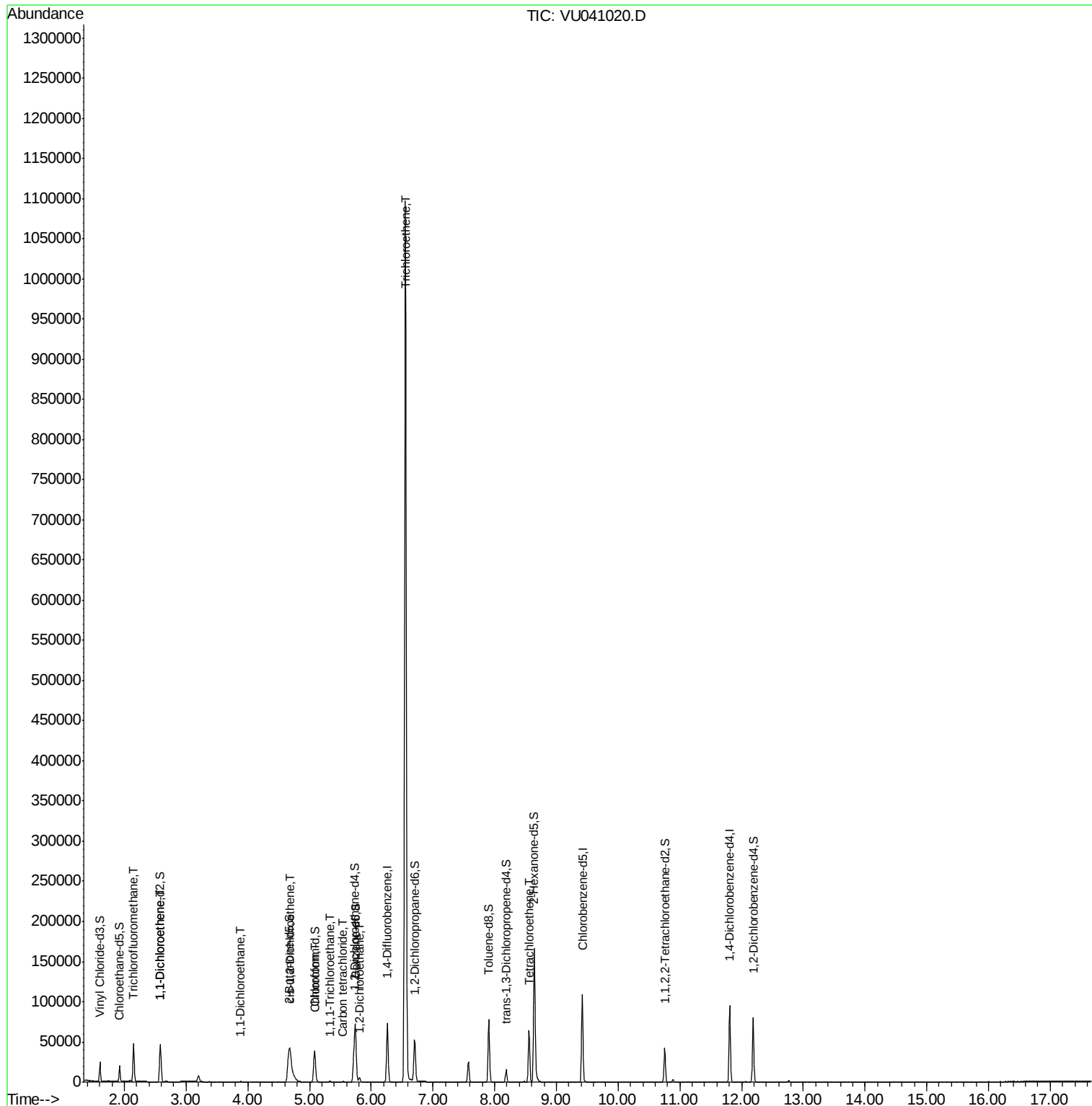
					Ovalue
9) Trichlorofluoromethane	2.15	101	29679	4.288 ug/L	100
12) 1,1-Dichloroethene	2.59	96	4587	1.198 ug/L #	1
19) 1,1-Dichloroethane	3.88	63	1076	0.138 ug/L #	83
22) cis-1,2-Dichloroethene	4.69	96	4554	1.134 ug/L	85
25) Chloroform	5.10	83	1451	0.186 ug/L	82
27) 1,2-Dichloroethane	5.81	62	4706	0.810 ug/L	99
29) 1,1,1-Trichloroethane	5.34	97	863	0.129 ug/L #	68
31) Carbon tetrachloride	5.54	117	710	0.120 ug/L	89
34) Trichloroethene	6.56	95	367228	88.119 ug/L	98
47) Tetrachloroethene	8.56	164	12747	4.160 ug/L	95

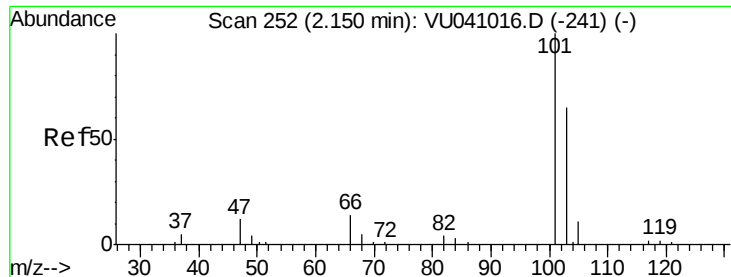
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 30 08:06:28 2020
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 4.288 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU041020.D

Acq: 29 Oct 2020 17:54

Instrument :

MSVOA_U

ClientSampleId :

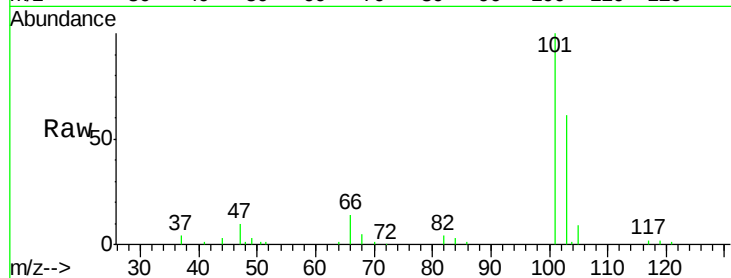
C0BP5

Tot Ion:101 Resp: 29679

Ion Ratio Lower Upper

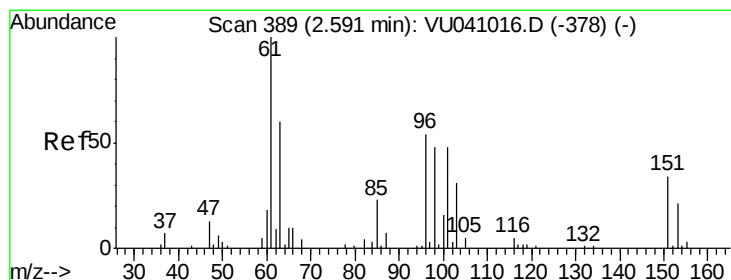
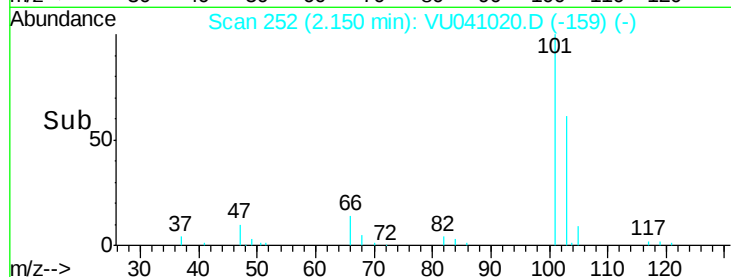
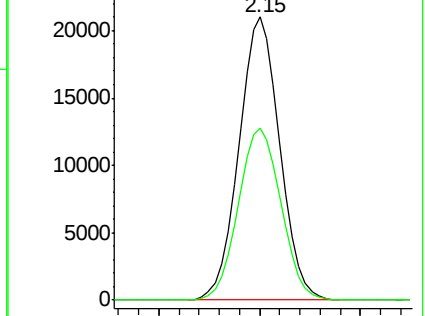
101 100

103 63.7 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1-Dichloroethene

Concen: 1.198 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041020.D

Acq: 29 Oct 2020 17:54

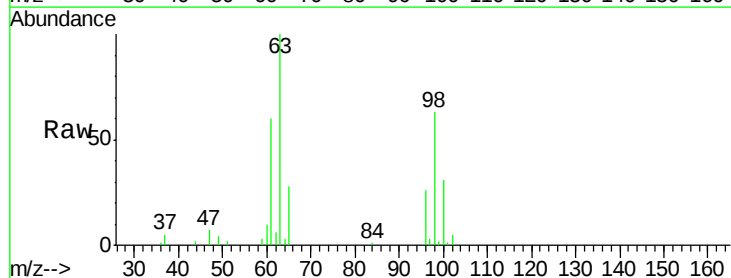
Tgt Ion: 96 Resp: 4587

Ion Ratio Lower Upper

96 100

61 227.0 134.3 249.5

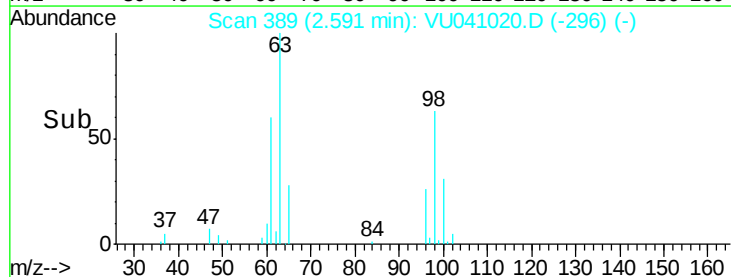
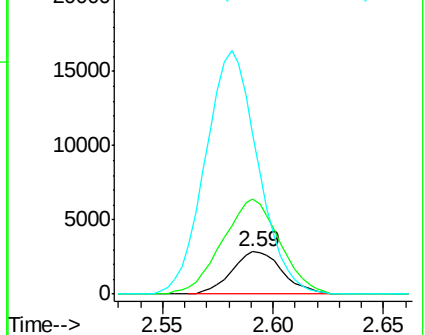
63 380.5 95.0 176.4#

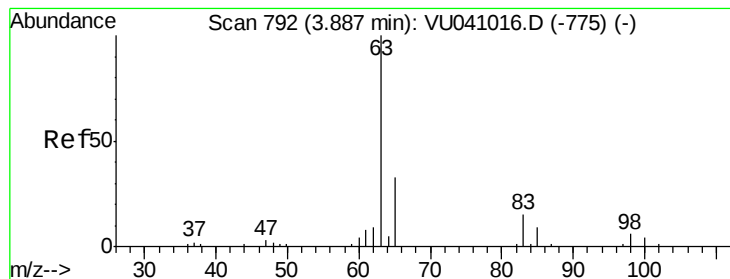


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#19

1,1-Dichloroethane

Concen: 0.138 ug/L

RT: 3.88 min Scan# 791

Delta R.T. -0.00 min

Lab File: VU041020.D

Acq: 29 Oct 2020 17:54

Instrument :

MSVOA_U

ClientSampleId :

C0BP5

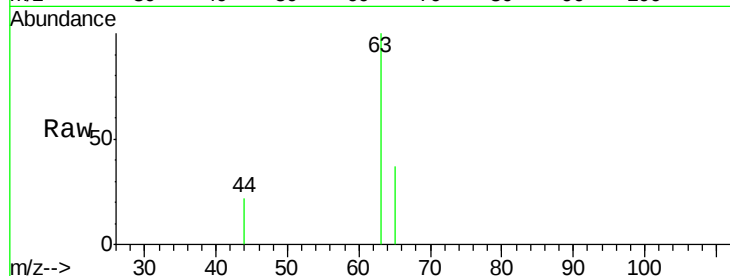
Tot Ion: 63 Resp: 1076

Ion Ratio Lower Upper

63 100

65 36.7 21.3 39.6

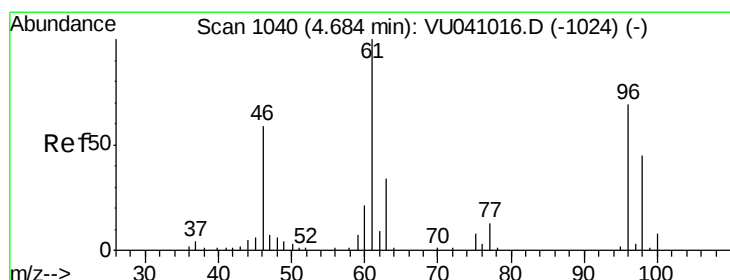
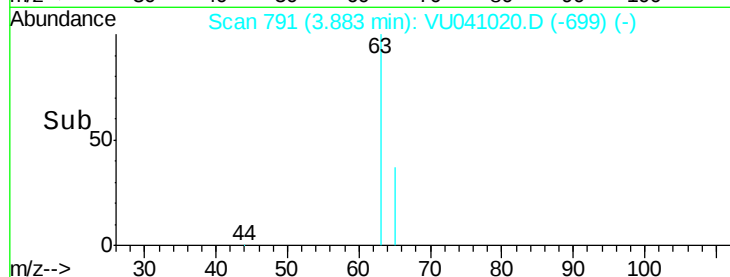
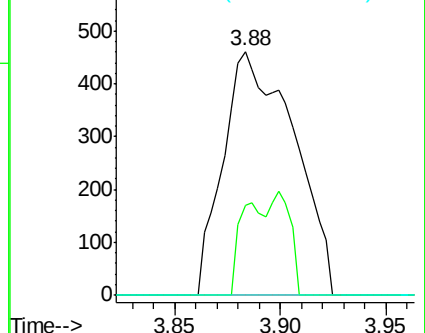
83 0.0 8.8 16.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 1.134 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU041020.D

Acq: 29 Oct 2020 17:54

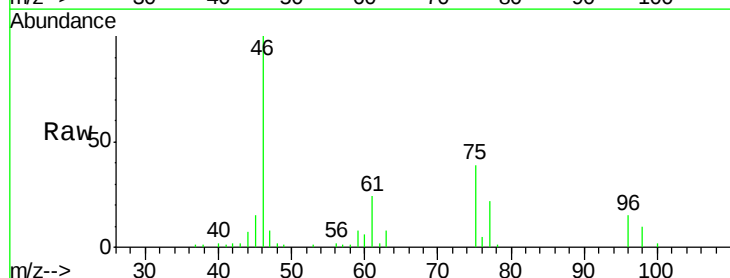
Tgt Ion: 96 Resp: 4554

Ion Ratio Lower Upper

96 100

61 157.5 97.2 180.4

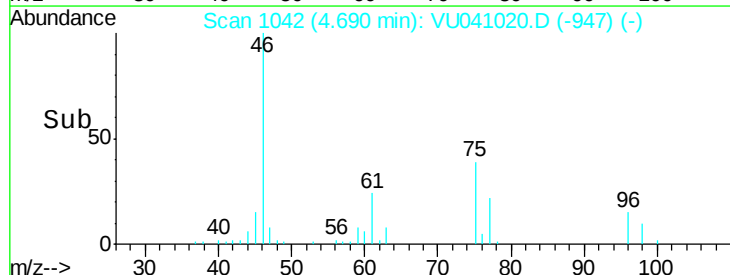
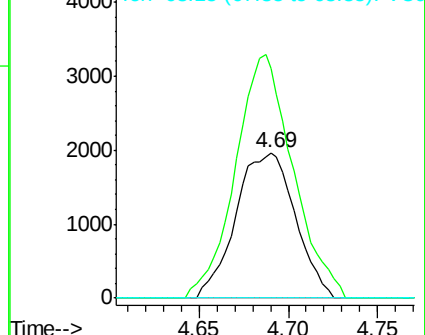
68 0.0 0.0 0.0

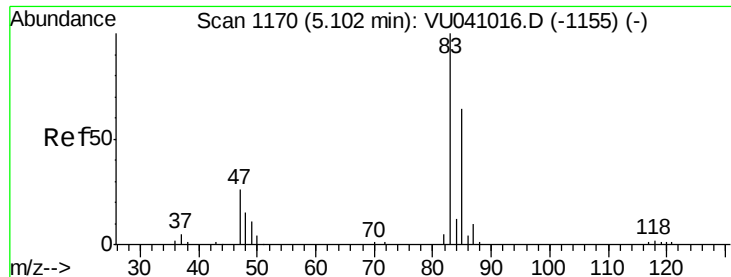


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

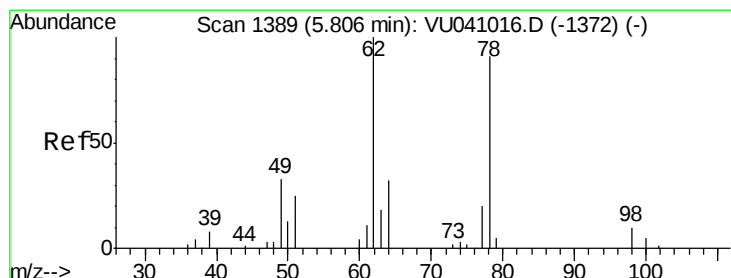
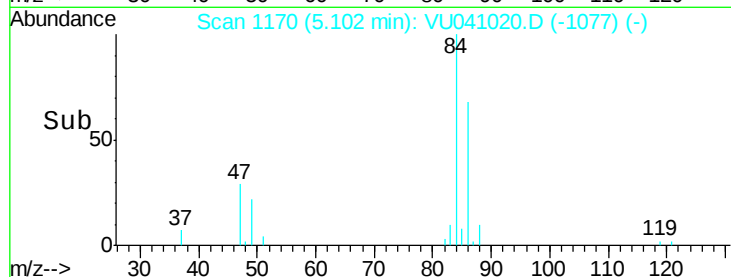
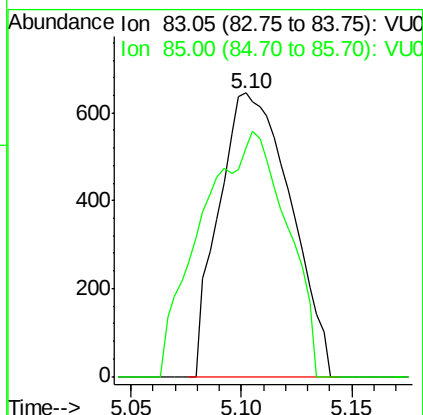
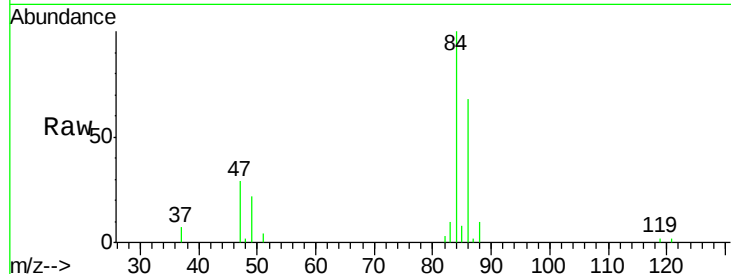




#25
Chloroform
Concen: 0.186 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041020.D
Acq: 29 Oct 2020 17:54

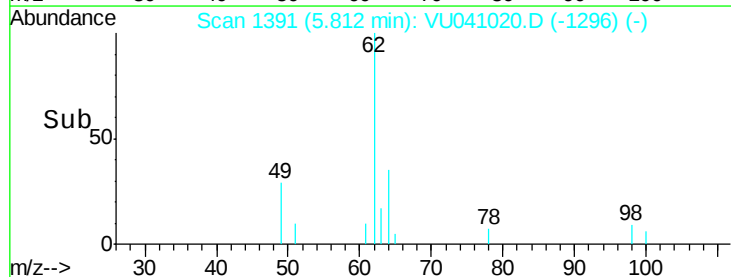
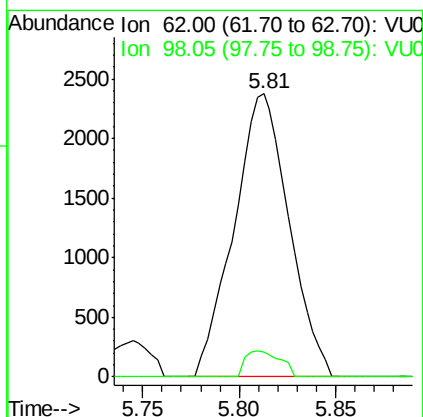
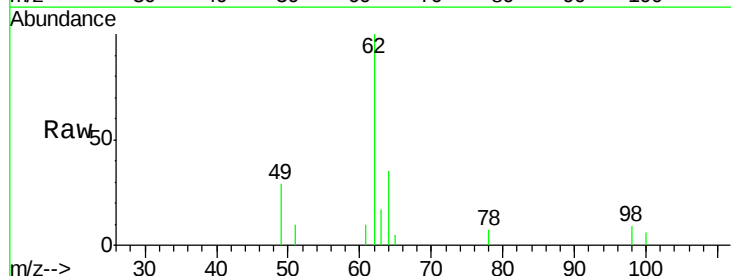
Instrument :
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C0BP5

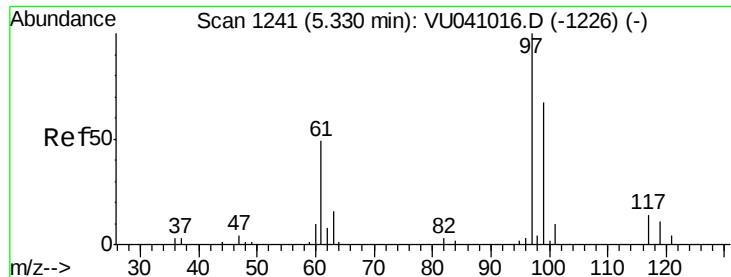
Tot Ion: 83 Resp: 1451
Ion Ratio Lower Upper
83 100
85 80.5 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.810 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.01 min
Lab File: VU041020.D
Acq: 29 Oct 2020 17:54

Tgt Ion: 62 Resp: 4706
Ion Ratio Lower Upper
62 100
98 9.0 7.6 11.4

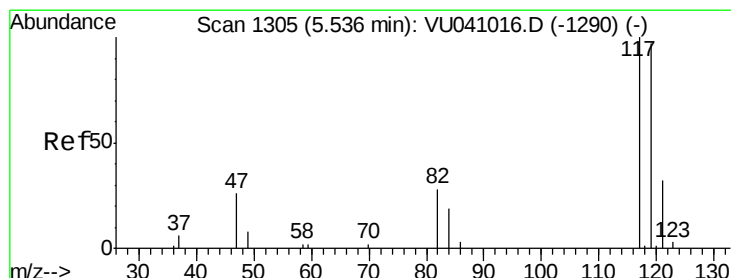
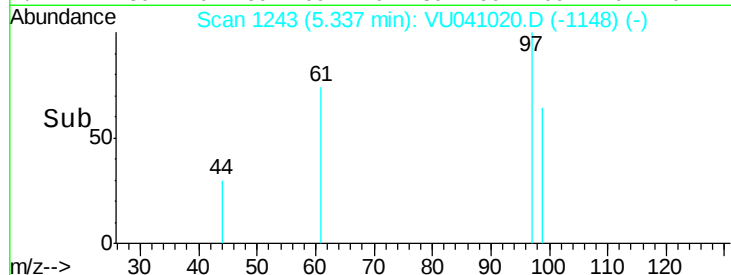
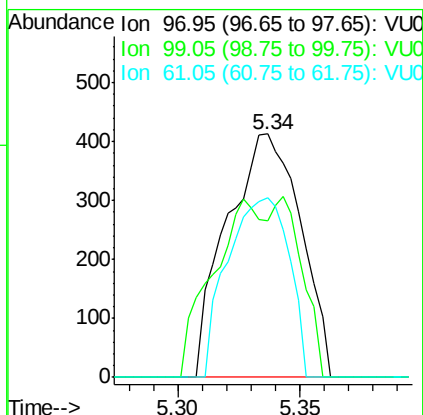
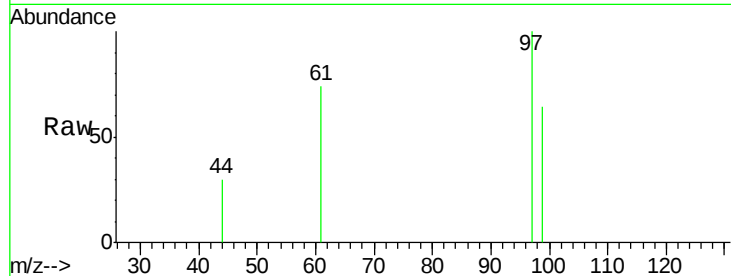




#29
 1,1,1-Trichloroethane
 Concen: 0.129 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VU041020.D
 Acq: 29 Oct 2020 17:54

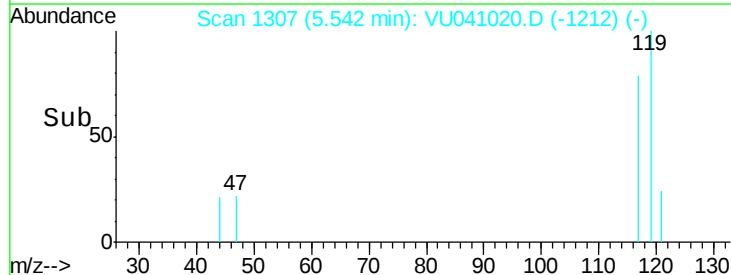
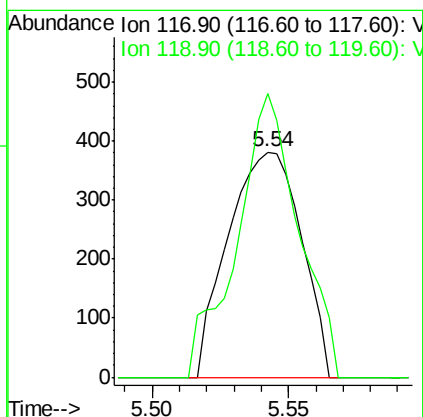
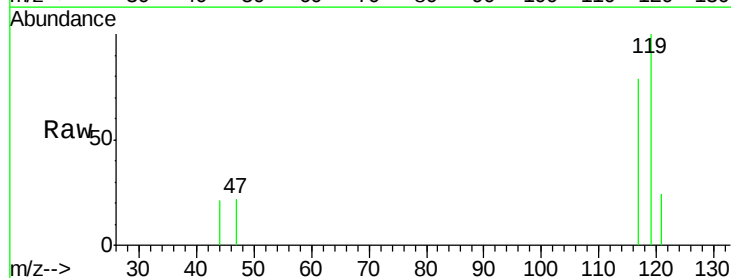
Instrument :
 MSVOA_U
 ClientSampleId :
 C0BP5

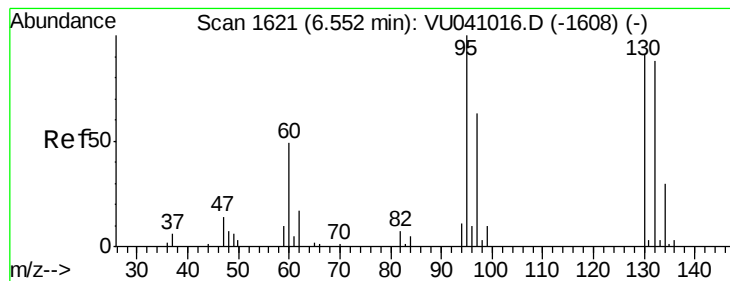
Tot Ion: 97 Resp: 863
 Ion Ratio Lower Upper
 97 100
 99 30.2 53.4 80.0#
 61 61.9 41.6 62.4



#31
 Carbon tetrachloride
 Concen: 0.120 ug/L
 RT: 5.54 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: VU041020.D
 Acq: 29 Oct 2020 17:54

Tgt Ion: 117 Resp: 710
 Ion Ratio Lower Upper
 117 100
 119 105.6 76.1 114.1





#34

Trichloroethene

Concen: 88.119 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041020.D

Acq: 29 Oct 2020 17:54

Instrument :

MSVOA_U

ClientSampleId :

C0BP5

Tot Ion: 95 Resp: 367228

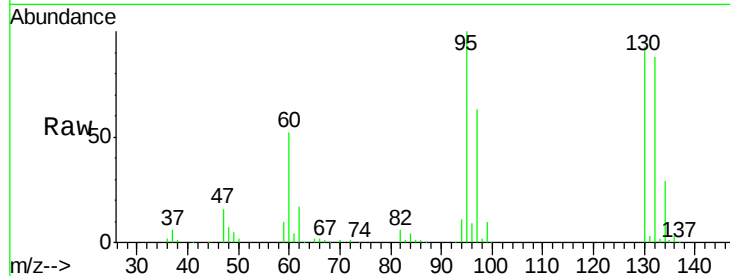
Ion Ratio Lower Upper

95 100

97 63.4 45.6 84.6

132 88.0 64.8 120.4

130 92.5 64.8 120.4



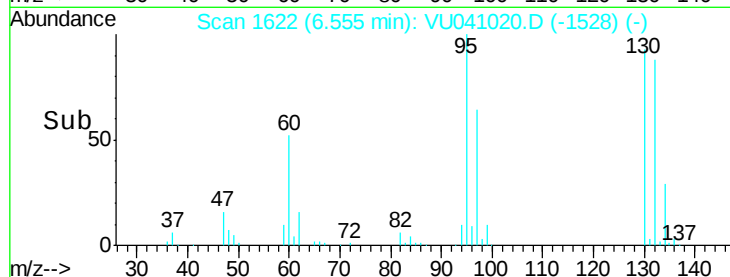
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Time-->



Abundance

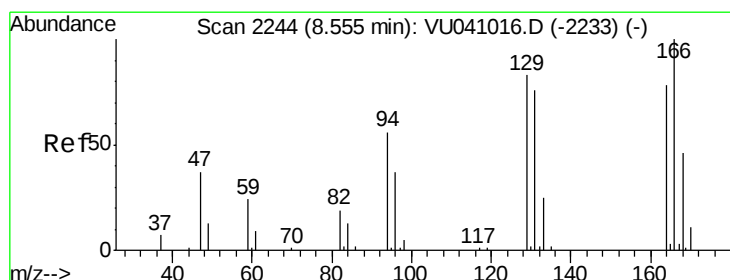
Ion 95.00 (94.70 to 95.70): VU0

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

Time-->



#47

Tetrachloroethene

Concen: 4.160 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041020.D

Acq: 29 Oct 2020 17:54

Tgt Ion: 164 Resp: 12747

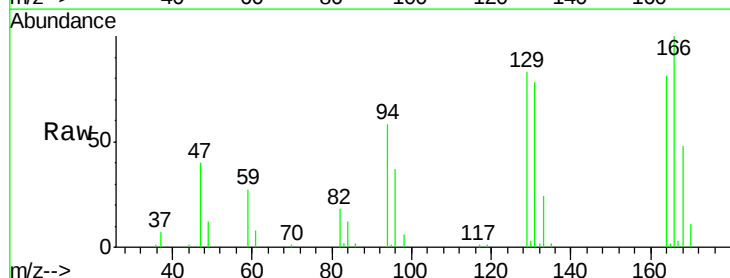
Ion Ratio Lower Upper

164 100

129 102.5 70.3 130.7

131 96.8 70.8 131.4

166 123.6 92.0 170.8



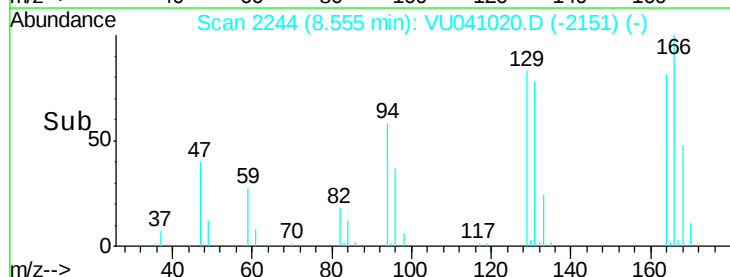
Abundance Ion 163.90 (163.60 to 164.60): V

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

Time-->



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

Time-->