

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112020\
 Data File : VU041371.D
 Acq On : 20 Nov 2020 16:51
 Operator : SY/MD
 Sample : L4849-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4406

Quant Time: Nov 21 05:32:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 21 02:42:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	55697	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57514	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23354	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	16263	3.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	1.92	69	16286	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.57	63	27647	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.64	46	78634	46.55	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.10%
24) Chloroform-d	5.08	84	45336	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.72	65	30394	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.74	84	83446	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
36) 1,2-Dichloropropane-d6	6.70	67	29768	5.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.40%
41) Toluene-d8	7.91	98	68815	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	8.18	79	11326	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.64	63	52209	42.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.00%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24902	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	26933	5.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.20%

Target Compounds

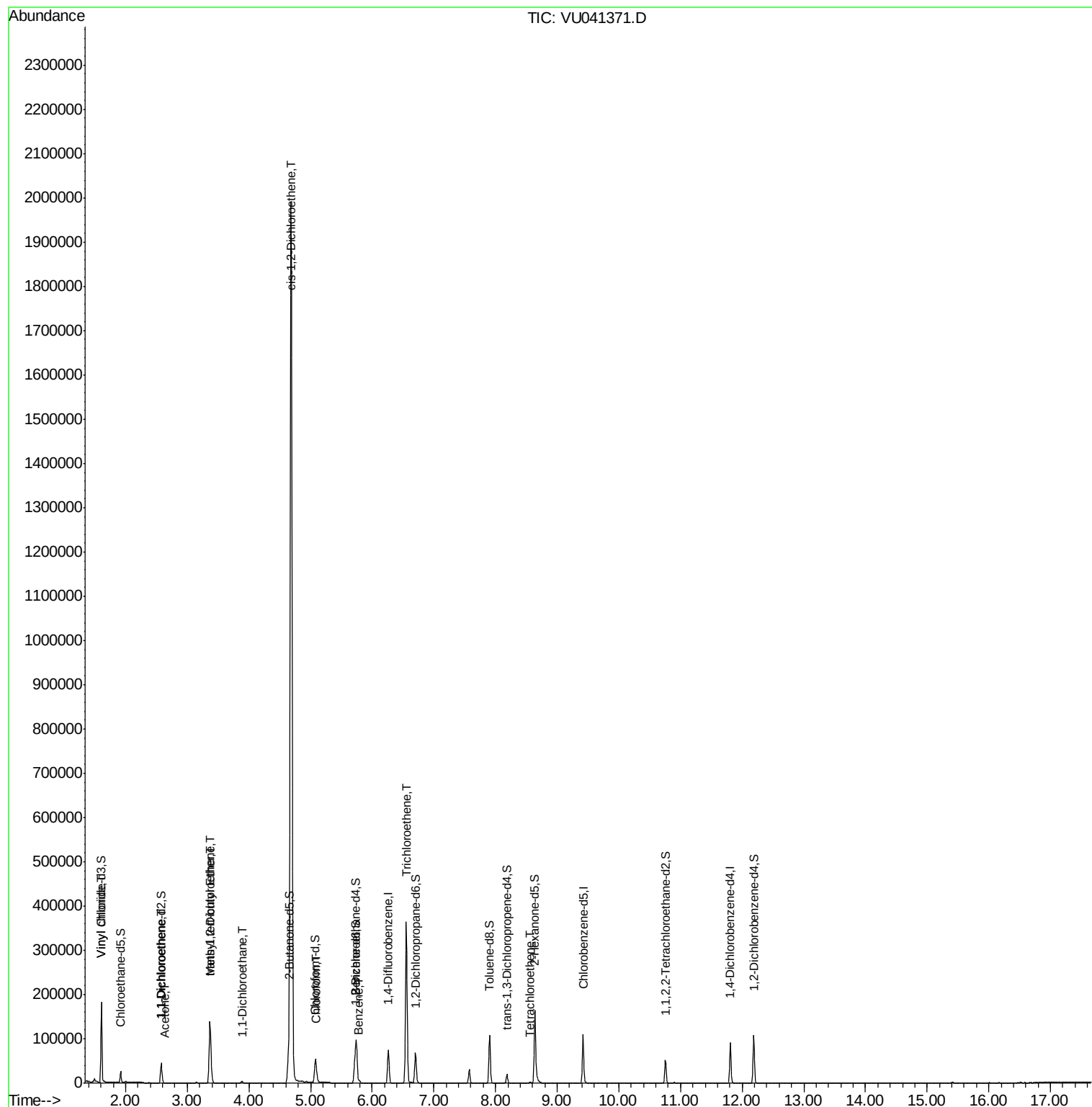
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	94850	19.617	ug/L	100
12) 1,1-Dichloroethene	2.59	96	1191	0.328	ug/L	# 1
13) Acetone	2.64	43	1547	1.380	ug/L	86
17) Methyl tert-butyl Ether	3.38	73	37737	3.802	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	43453	12.306	ug/L	93
19) 1,1-Dichloroethane	3.89	63	5241	0.664	ug/L	100
22) cis-1,2-Dichloroethene	4.68	96	964034	241.736	ug/L	97
25) Chloroform	5.11	83	4133	0.483	ug/L	99
33) Benzene	5.79	78	5494	0.352	ug/L	100
34) Trichloroethene	6.55	95	123447	29.306	ug/L	98
47) Tetrachloroethene	8.56	164	527	0.169	ug/L	81

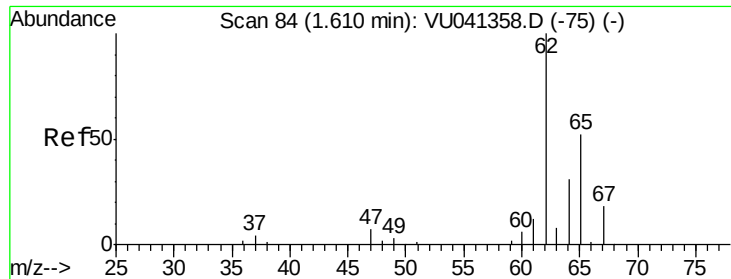
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 19.617 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041371.D

Acq: 20 Nov 2020 16:51

Instrument :

MSVOA_U

ClientSampleId :

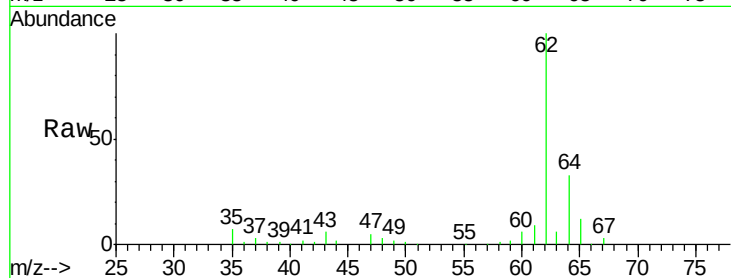
H4406

Tot Ion: 62 Resp: 94850

Ion Ratio Lower Upper

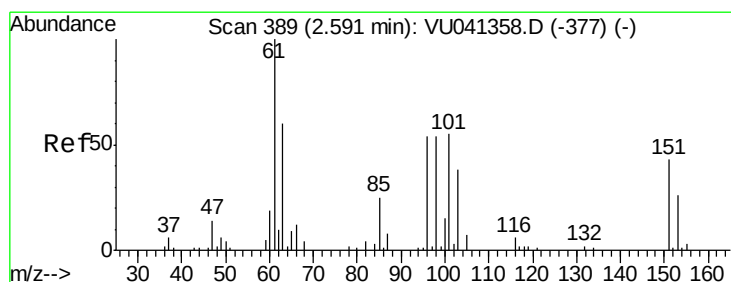
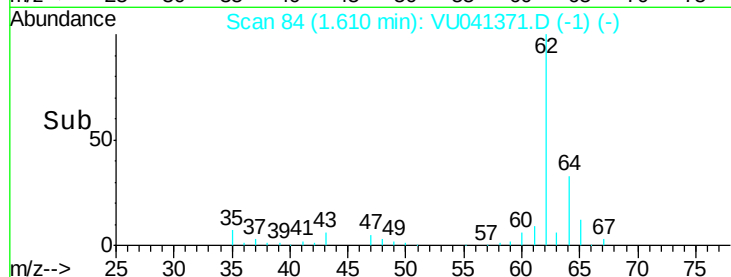
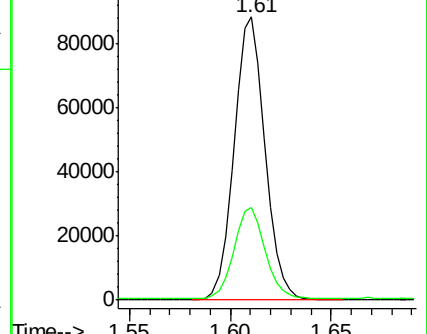
62 100

64 32.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 0.328 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041371.D

Acq: 20 Nov 2020 16:51

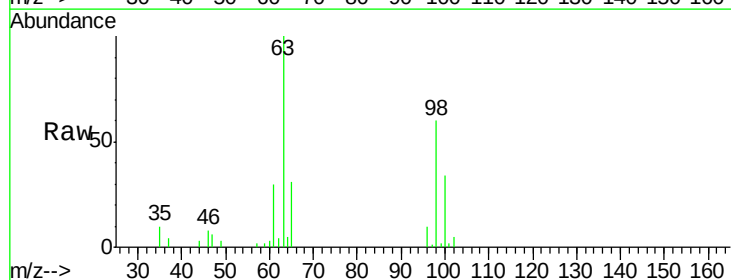
Tgt Ion: 96 Resp: 1191

Ion Ratio Lower Upper

96 100

61 284.3 134.3 249.5#

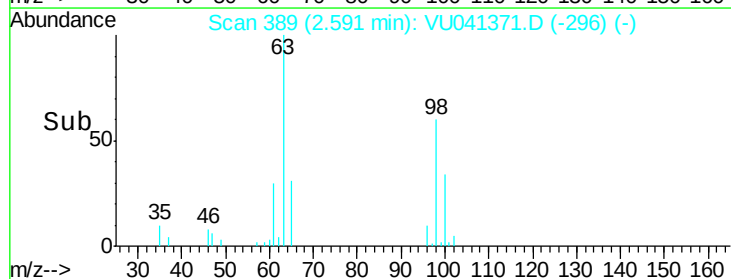
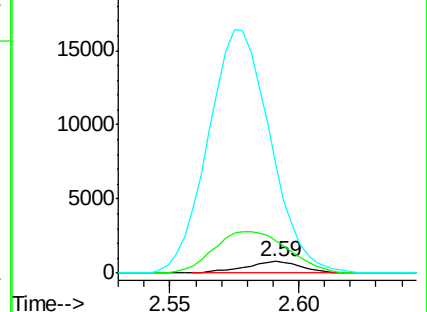
63 954.3 95.0 176.4#

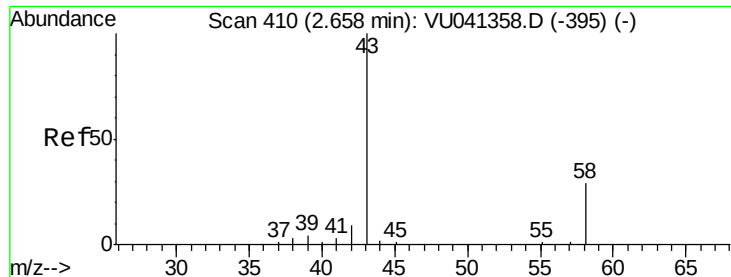


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.380 ug/L

RT: 2.64 min Scan# 404

Delta R.T. -0.02 min

Lab File: VU041371.D

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Instrument :

MSVOA_U

ClientSampleId :

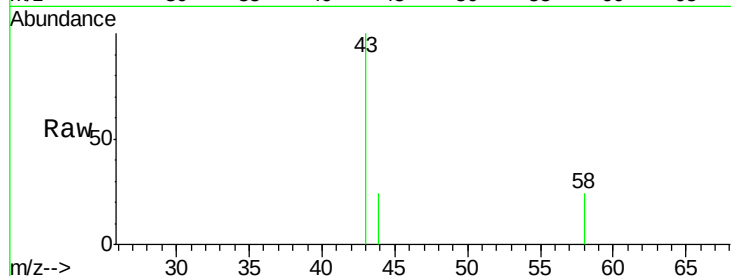
H4406

Tot Ion: 43 Resp: 1547

Ion Ratio Lower Upper

43 100

58 18.2 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.64

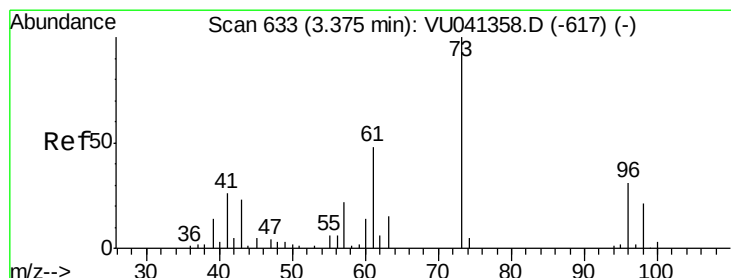
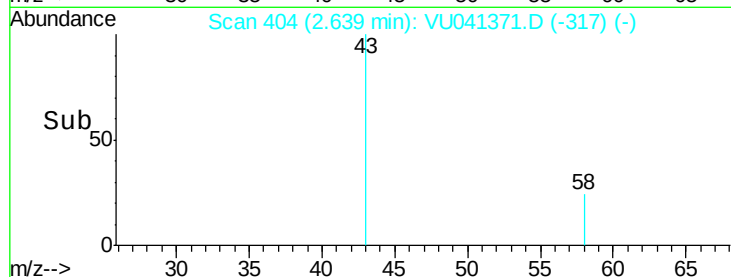
600

400

200

0

Time-->



#17

Methyl tert-butyl Ether

Concen: 3.802 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU041371.D

Acq: 20 Nov 2020 16:51

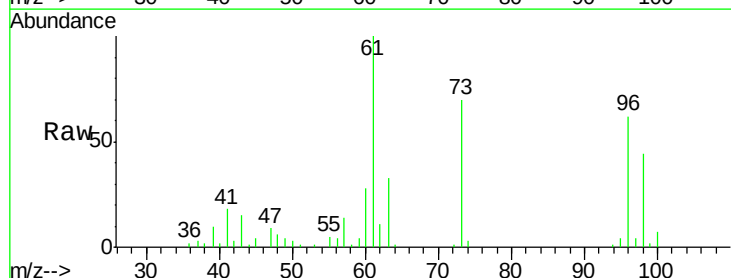
Tgt Ion: 73 Resp: 37737

Ion Ratio Lower Upper

73 100

43 22.9 18.5 27.7

57 22.4 18.4 27.6



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

20000

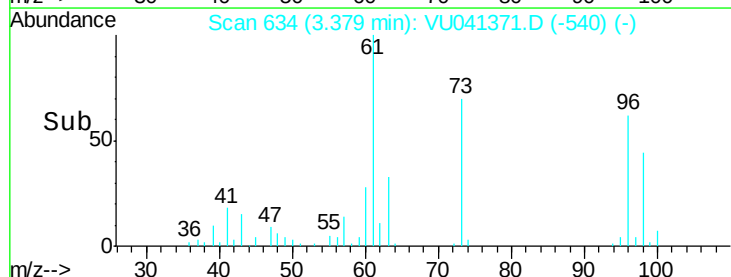
15000

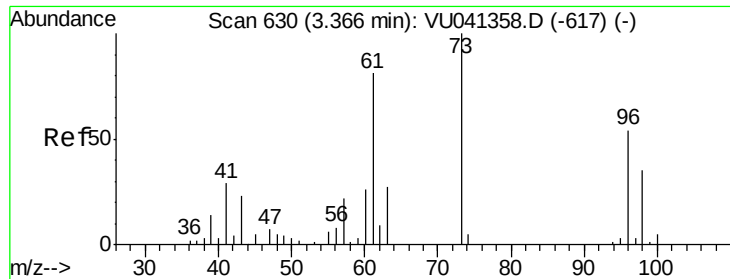
10000

5000

0

Time-->

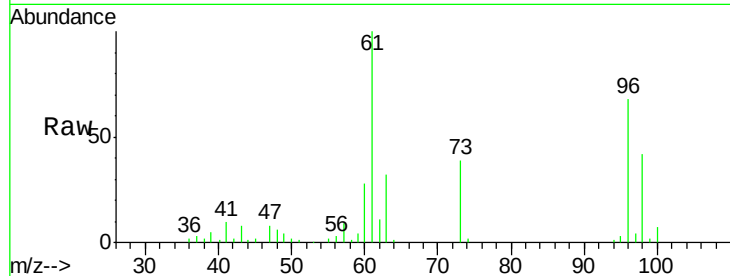




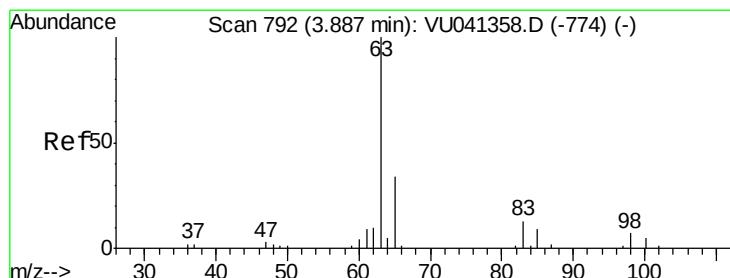
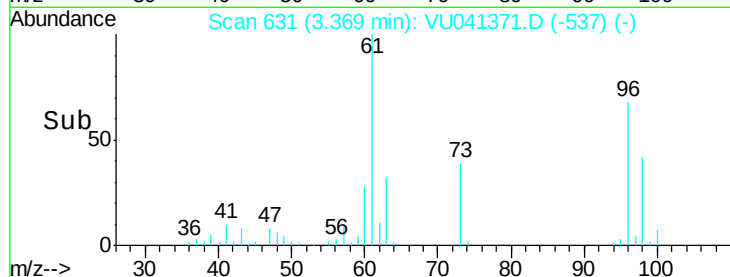
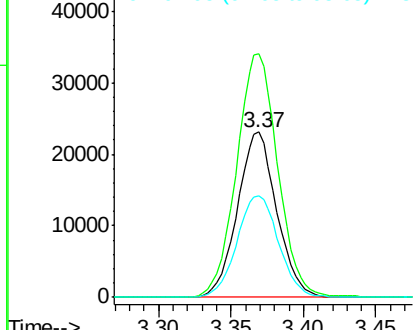
#18
trans-1,2-Dichloroethene
Concen: 12.306 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041371.D
Acq: 20 Nov 2020 16:51

Instrument :
MSVOA_U
ClientSampleId :
H4406

Tot Ion: 96 Resp: 43453
Ion Ratio Lower Upper
96 100
61 147.6 110.9 205.9
98 61.5 45.4 84.2

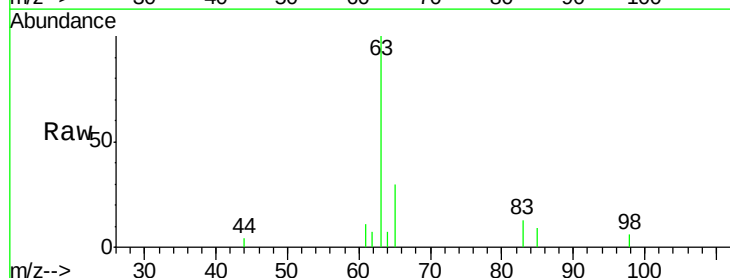


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

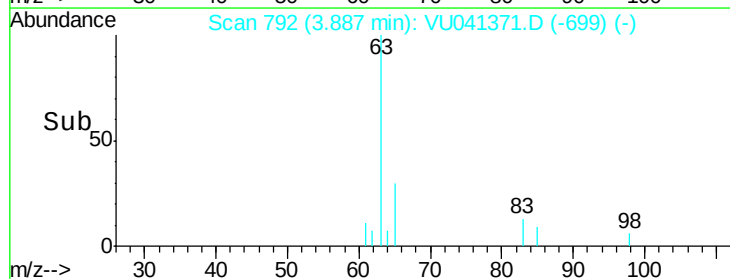
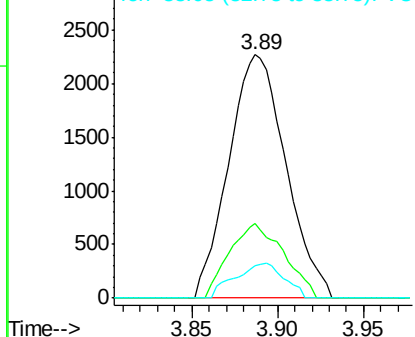


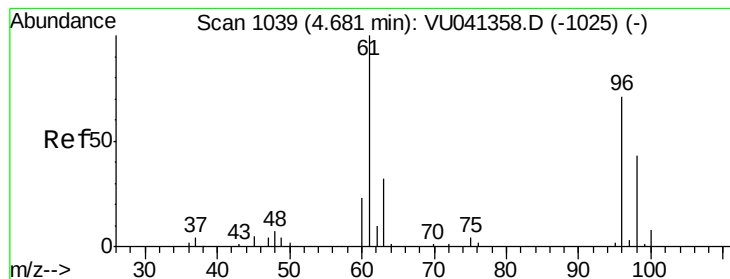
#19
1,1-Dichloroethane
Concen: 0.664 ug/L
RT: 3.89 min Scan# 792
Delta R.T. 0.00 min
Lab File: VU041371.D
Acq: 20 Nov 2020 16:51

Tgt Ion: 63 Resp: 5241
Ion Ratio Lower Upper
63 100
65 30.5 21.3 39.6
83 13.1 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: 241.736 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041371.D

Acq: 20 Nov 2020 16:51

Instrument :

MSVOA_U

ClientSampleId :

H4406

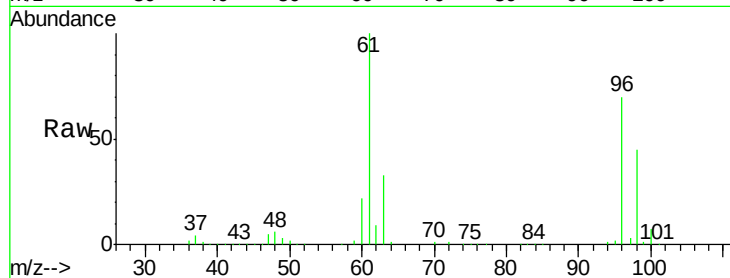
Tot Ion: 96 Resp: 964034

Ion Ratio Lower Upper

96 100

61 142.9 97.2 180.4

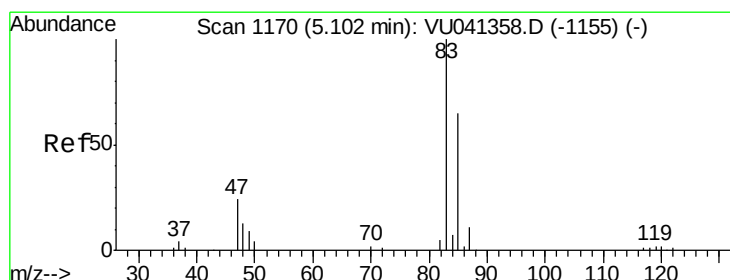
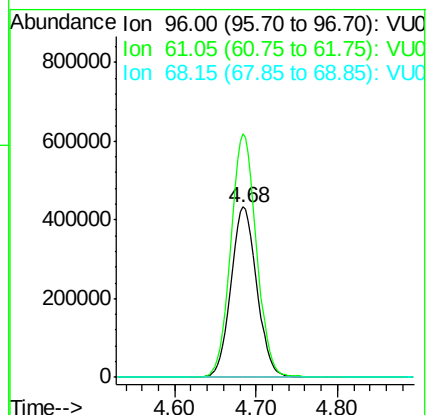
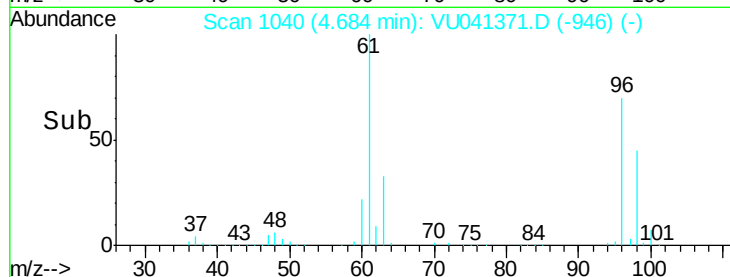
68 0.0 0.0 0.0



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: 0.483 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU041371.D

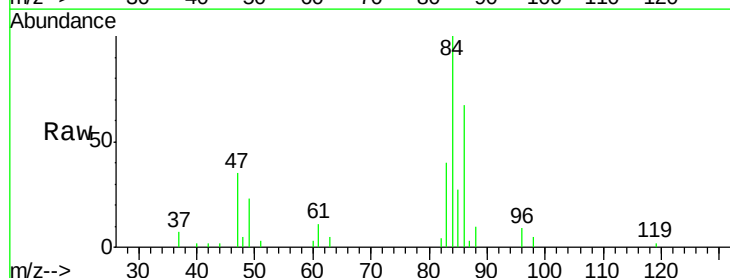
Acq: 20 Nov 2020 16:51

Tgt Ion: 83 Resp: 4133

Ion Ratio Lower Upper

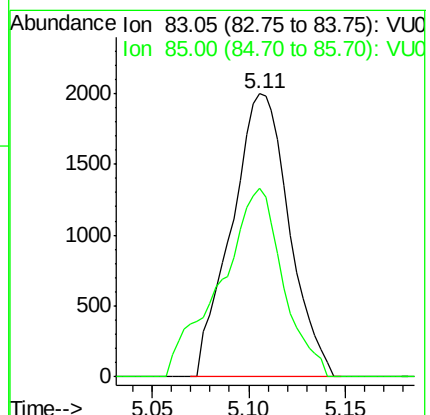
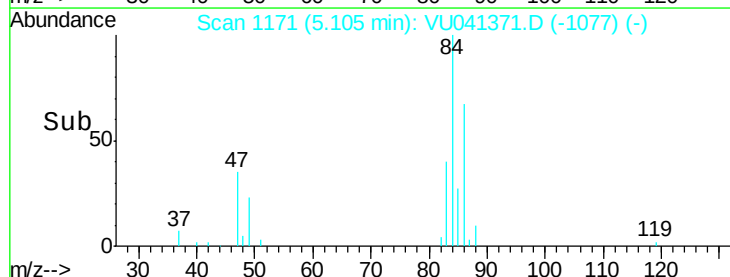
83 100

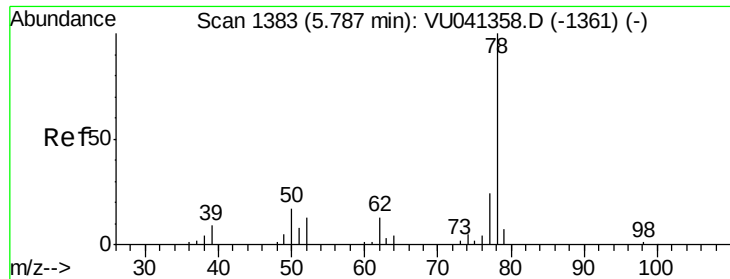
85 66.9 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

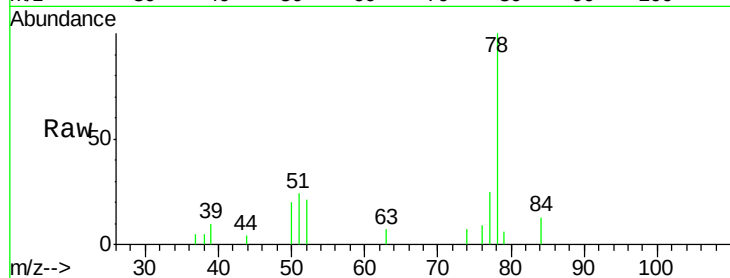




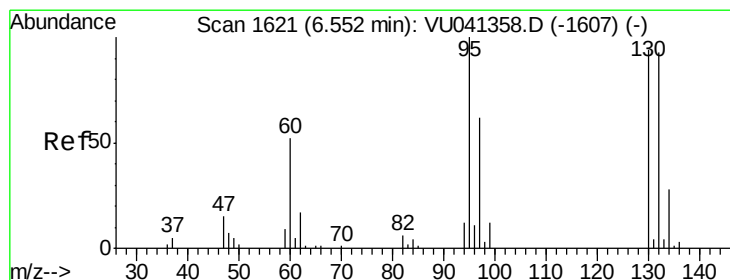
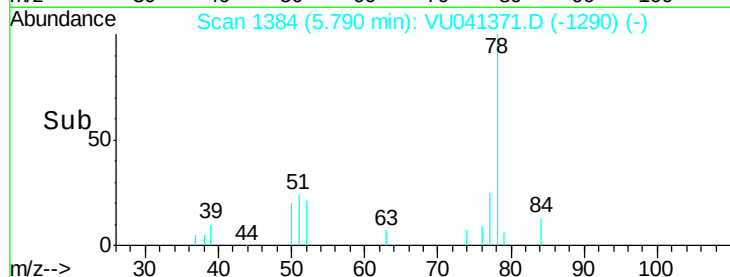
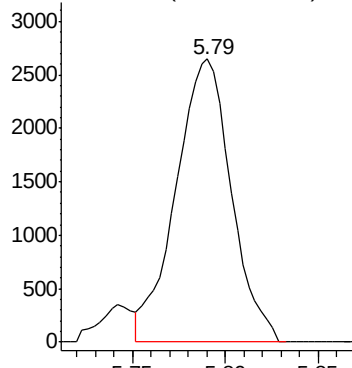
#33
Benzene
Concen: 0.352 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041371.D
Acq: 20 Nov 2020 16:51

Instrument :
MSVOA_U
ClientSampled :
H4406

Tgt Ion: 78 Resp: 5494

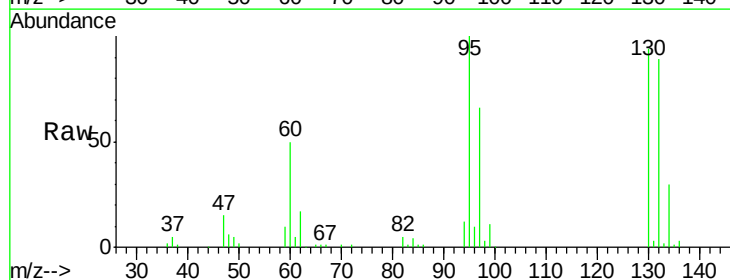


Abundance Ion 78.10 (77.80 to 78.80): VU0



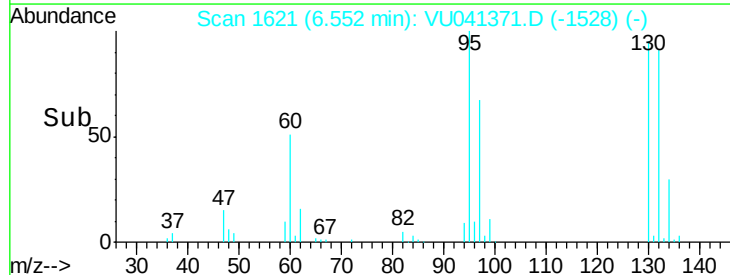
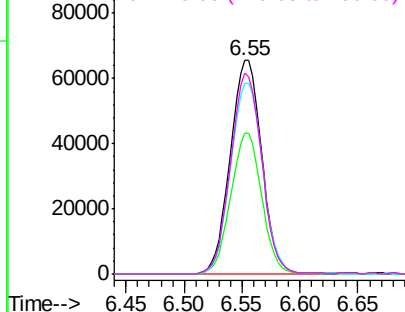
#34
Trichloroethene
Concen: 29.306 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VU041371.D
Acq: 20 Nov 2020 16:51

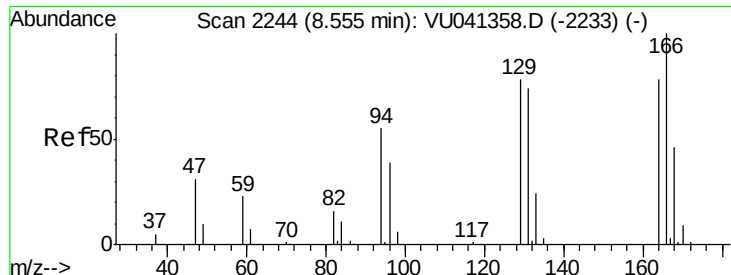
Tgt Ion: 95 Resp: 123447
Ion Ratio Lower Upper
95 100
97 65.7 45.6 84.6
132 89.4 64.8 120.4
130 93.9 64.8 120.4



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): VU0
Ion 129.95 (129.65 to 130.65): VU0





#47

Tetrachloroethene

Concen: 0.169 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041371.D

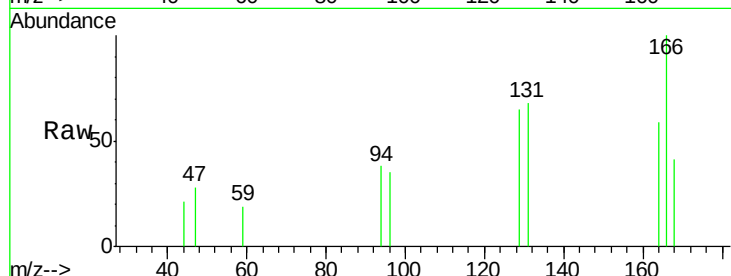
Acq: 20 Nov 2020 16:51

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ClientSampleId :

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Tot Ion:164 Resp: 527

Ion Ratio Lower Upper

164 100

129 110.2 70.3 130.7

131 113.7 70.8 131.4

166 168.5 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

