

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112020\
 Data File : VU041370.D
 Acq On : 20 Nov 2020 16:27
 Operator : SY/MD
 Sample : L4849-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4405

Quant Time: Nov 21 05:26:27 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	54445	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	55325	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	22591	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	16677	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.92	69	16303	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.57	63	29102	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	4.64	46	78791	47.72	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.44%
24) Chloroform-d	5.08	84	48015	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.80%
26) 1,2-Dichloroethane-d4	5.72	65	30147	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.74	84	83427	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
36) 1,2-Dichloropropane-d6	6.70	67	30712	5.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	119.60%
41) Toluene-d8	7.91	98	71013	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
43) trans-1,3-Dichloropropene-	8.19	79	11873	5.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.40%
46) 2-Hexanone-d5	8.64	63	54031	45.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.46%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25082	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	27178	6.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	123.40%#

Target Compounds

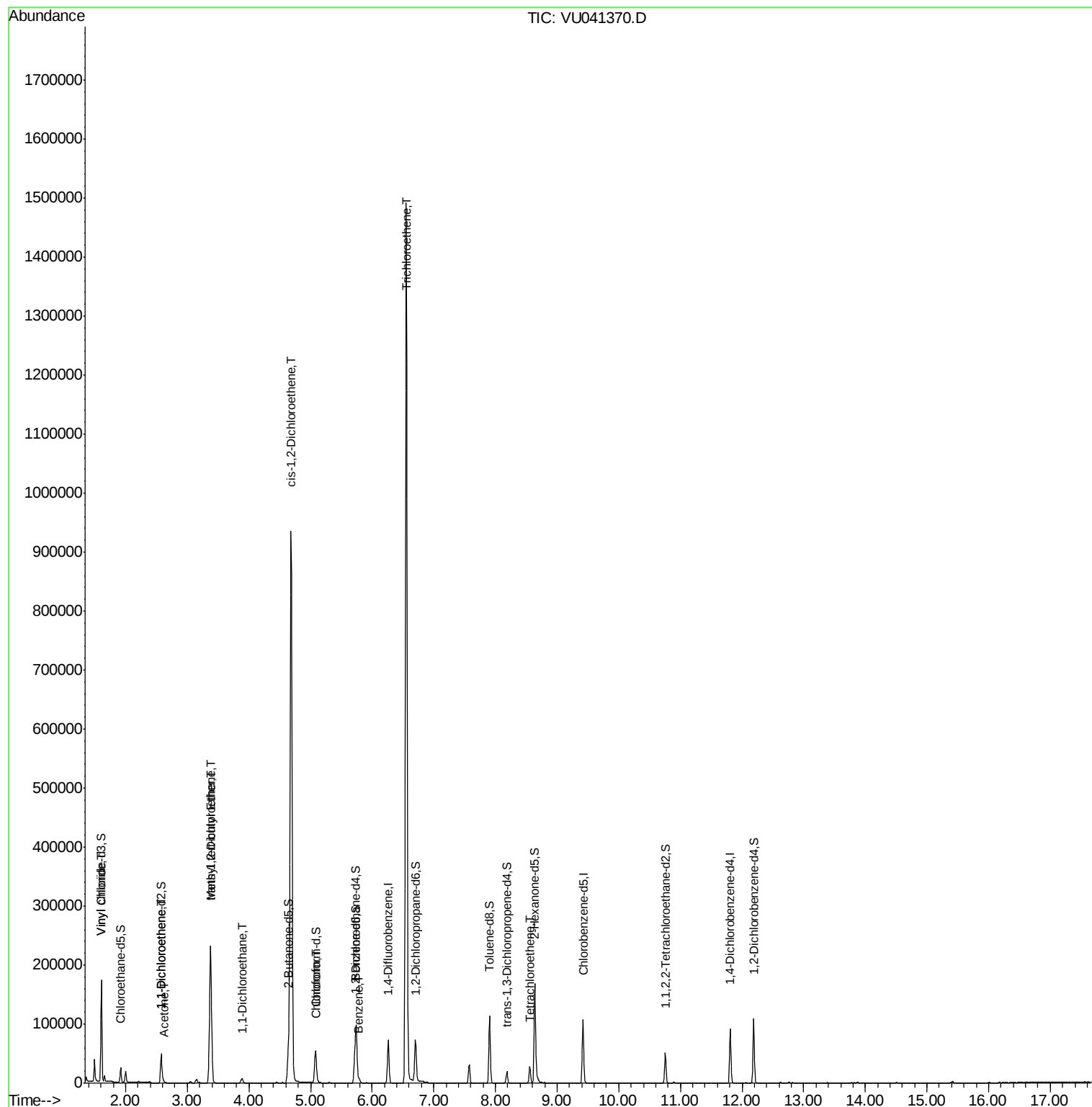
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	61479	13.007	ug/L	98
12) 1,1-Dichloroethene	2.59	96	1364	0.385	ug/L #	1
13) Acetone	2.63	43	1221	1.115	ug/L #	67
17) Methyl tert-butyl Ether	3.38	73	207469	21.383	ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	15341	4.444	ug/L	92
19) 1,1-Dichloroethane	3.89	63	10048	1.302	ug/L	96
22) cis-1,2-Dichloroethene	4.68	96	450853	115.653	ug/L	98
25) Chloroform	5.11	83	3254	0.389	ug/L	78
33) Benzene	5.79	78	7129	0.475	ug/L	100
34) Trichloroethene	6.56	95	496301	122.481	ug/L	98
47) Tetrachloroethene	8.56	164	6030	2.014	ug/L	87

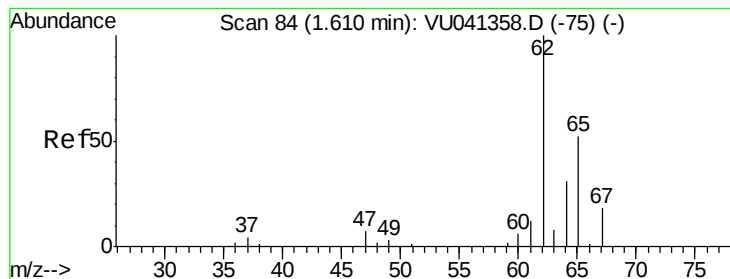
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 13.007 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041370.D

Acq: 20 Nov 2020 16:27

Instrument :

MSVOA_U

ClientSampled :

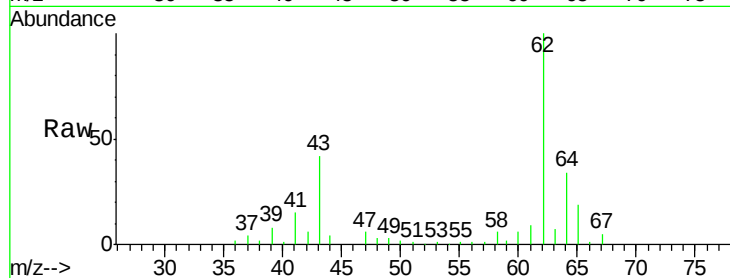
H4405

Tot Ion: 62 Resp: 61479

Ion Ratio Lower Upper

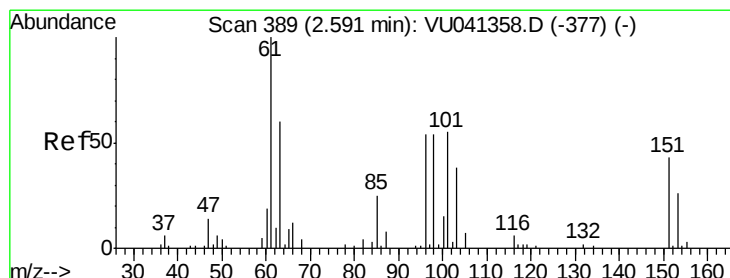
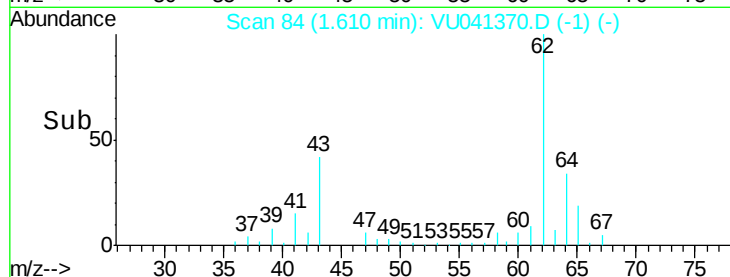
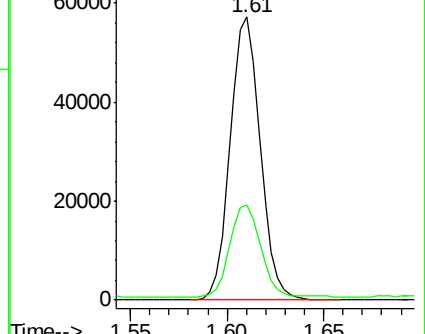
62 100

64 33.5 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: 0.385 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041370.D

Acq: 20 Nov 2020 16:27

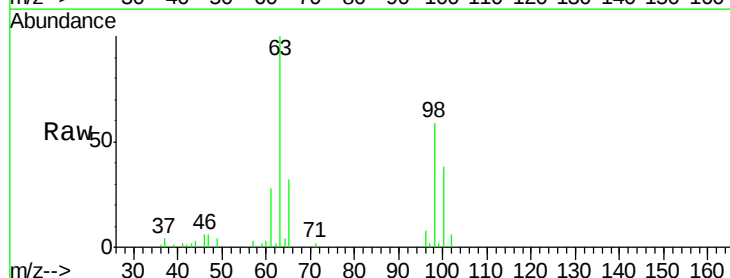
Tgt Ion: 96 Resp: 1364

Ion Ratio Lower Upper

96 100

61 347.1 134.3 249.5#

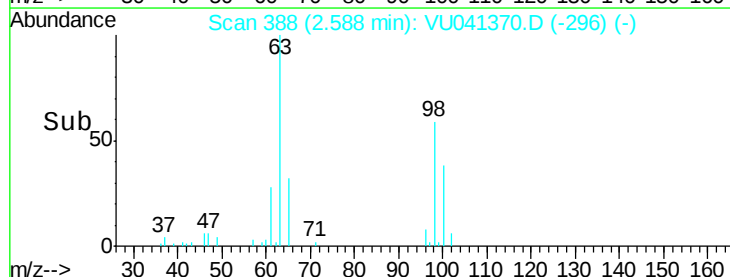
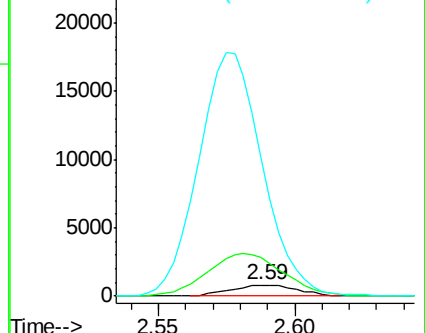
63 1248.6 95.0 176.4#

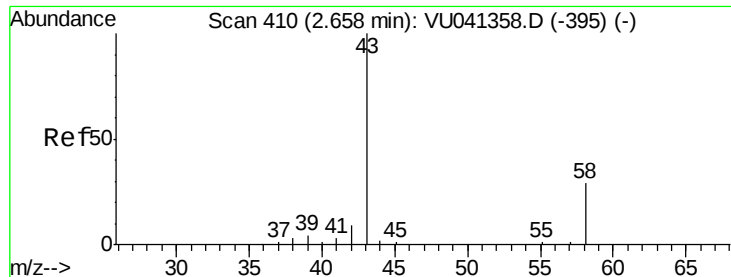


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.115 ug/L

RT: 2.63 min Scan# 402

Delta R.T. -0.03 min

Lab File: VU041370.D

Acq: 20 Nov 2020 16:27

Instrument :

MSVOA_U

ClientSampleId :

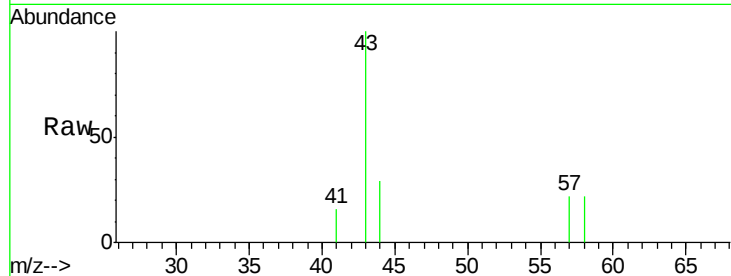
H4405

Tot Ion: 43 Resp: 1221

Ion Ratio Lower Upper

43 100

58 25.8 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.63

800

600

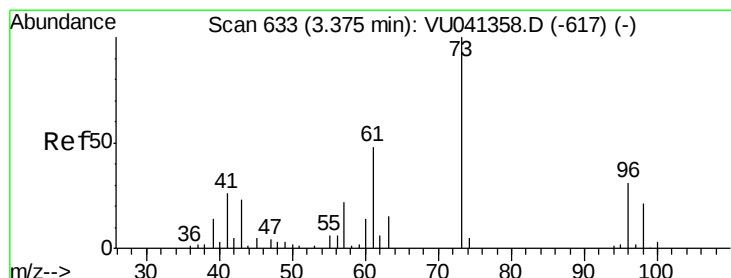
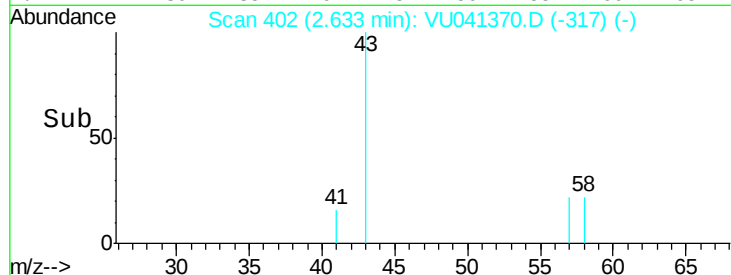
400

200

0

Time-->

2.62 2.64 2.66



#17

Methyl tert-butyl Ether

Concen: 21.383 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU041370.D

Acq: 20 Nov 2020 16:27

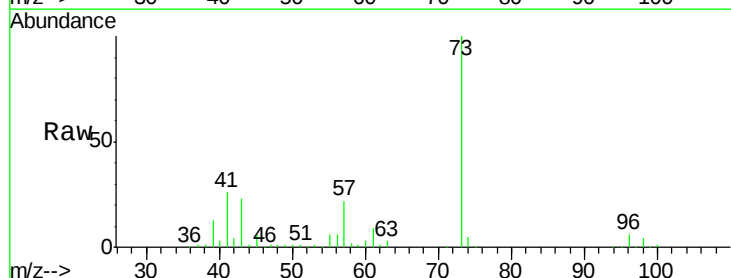
Tgt Ion: 73 Resp: 207469

Ion Ratio Lower Upper

73 100

43 23.0 18.5 27.7

57 22.6 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

120000

100000

80000

60000

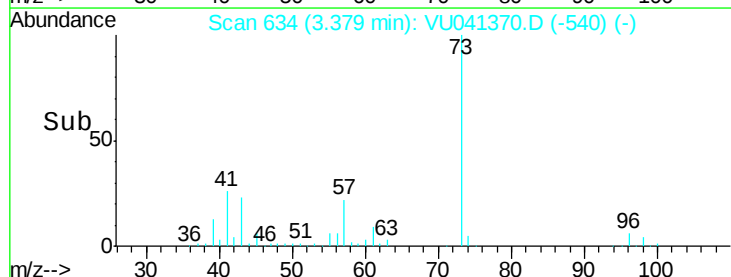
40000

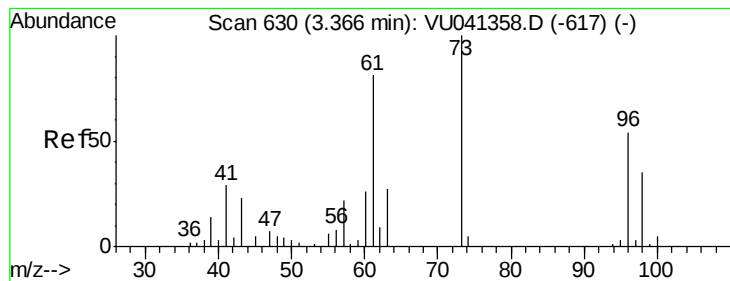
20000

0

Time-->

3.30 3.40 3.50





#18

trans-1,2-Dichloroethene

Concen: 4.444 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041370.D

Acq: 20 Nov 2020 16:27

Instrument :

MSVOA_U

ClientSampleId :

H4405

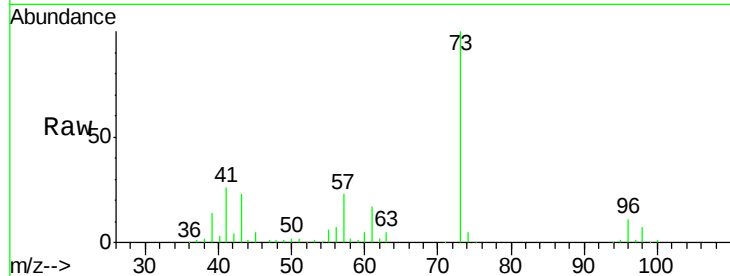
Tot Ion: 96 Resp: 15341

Ion Ratio Lower Upper

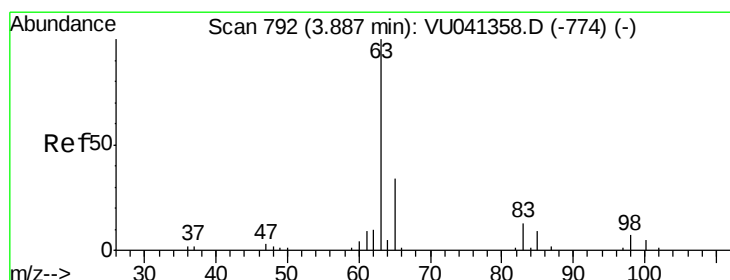
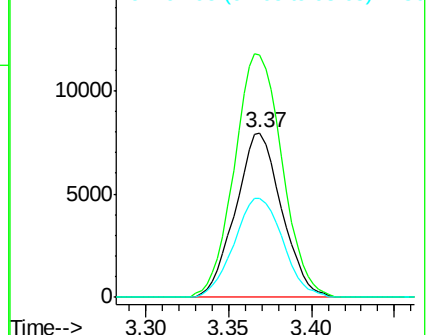
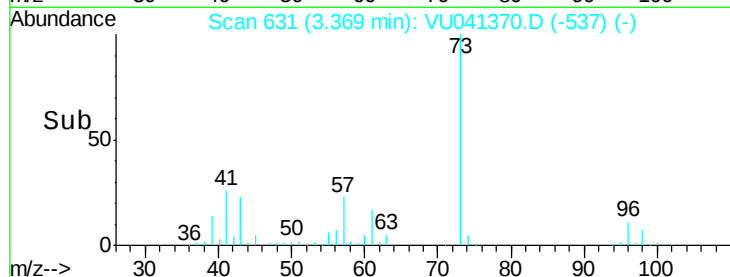
96 100

61 147.0 110.9 205.9

98 60.0 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU041370.D (-537) (-)



#19

1,1-Dichloroethane

Concen: 1.302 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041370.D

Acq: 20 Nov 2020 16:27

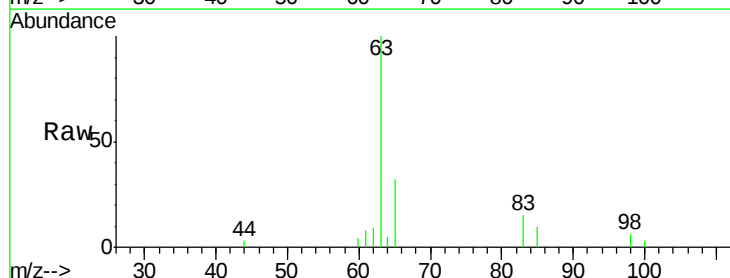
Tgt Ion: 63 Resp: 10048

Ion Ratio Lower Upper

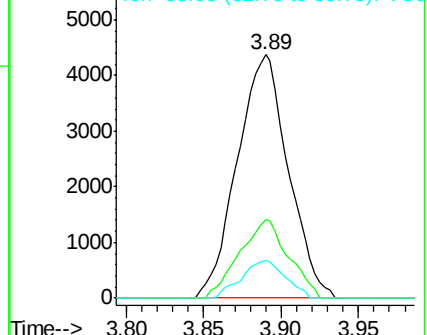
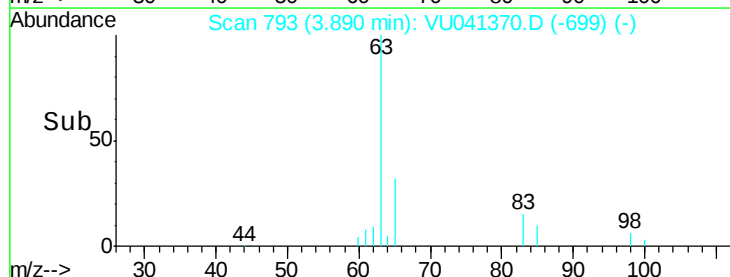
63 100

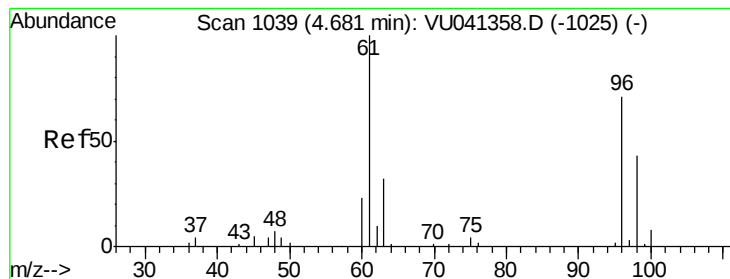
65 32.1 21.3 39.6

83 15.4 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041370.D (-699) (-)





#22

cis-1,2-Dichloroethene

Concen: 115.653 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041370.D

Acq: 20 Nov 2020 16:27

Instrument :

MSVOA_U

ClientSampleId :

H4405

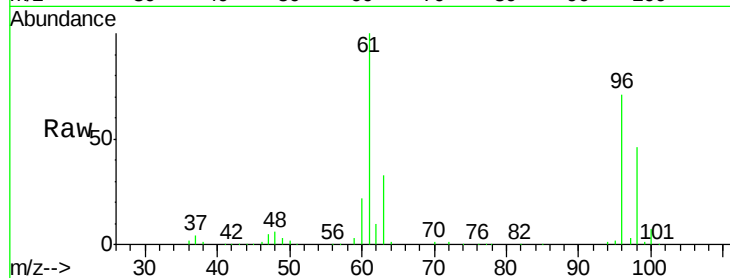
Tot Ion: 96 Resp: 450853

Ion Ratio Lower Upper

96 100

61 141.4 97.2 180.4

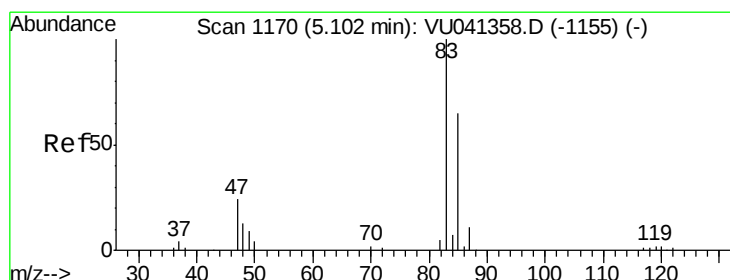
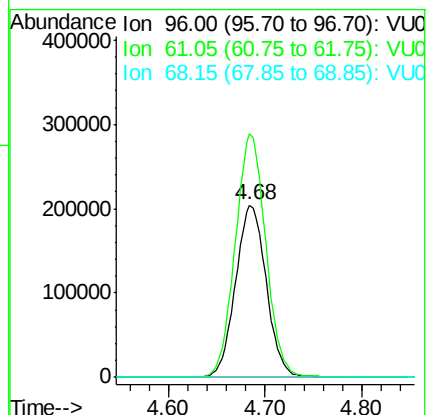
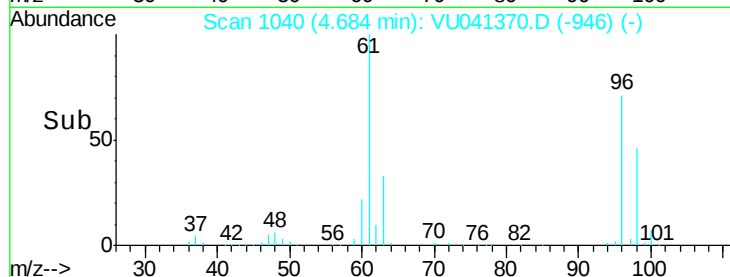
68 0.0 0.0 0.0



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: 0.389 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU041370.D

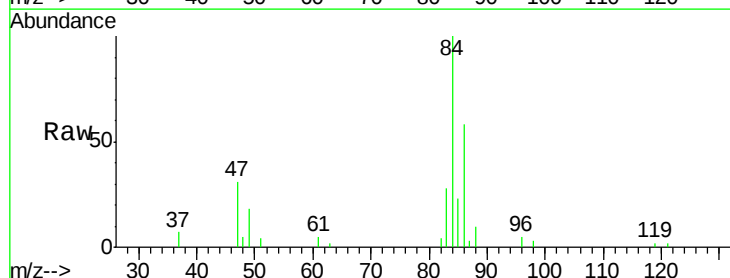
Acq: 20 Nov 2020 16:27

Tgt Ion: 83 Resp: 3254

Ion Ratio Lower Upper

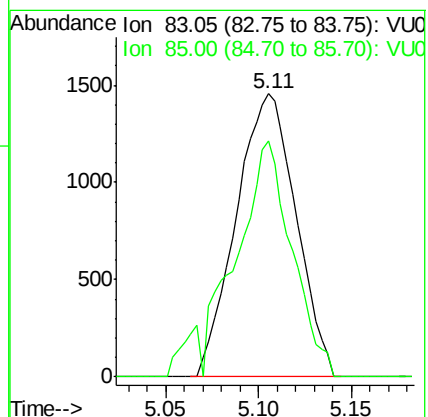
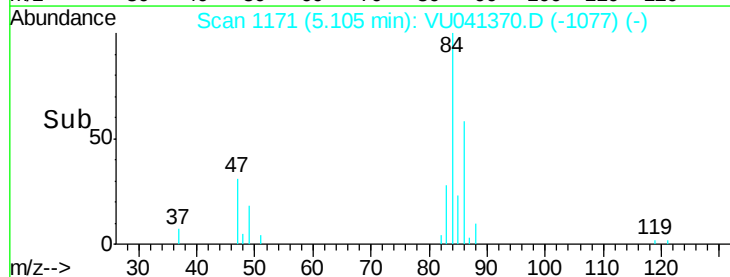
83 100

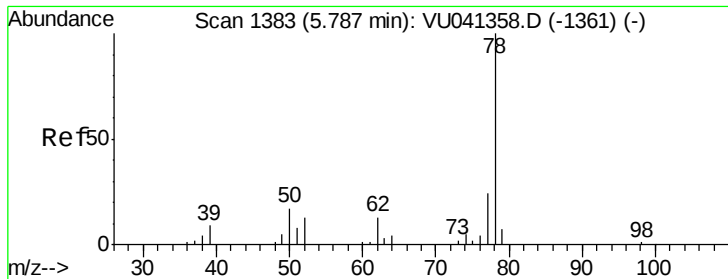
85 83.6 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 0.475 ug/L

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU041370.D

Acq: 20 Nov 2020 16:27

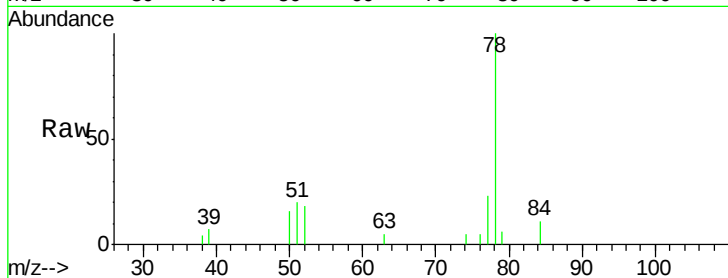
Instrument :

MSVOA_U

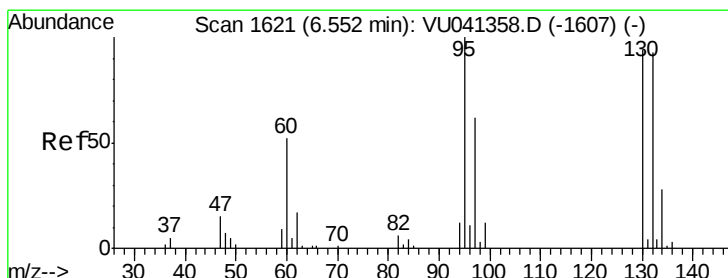
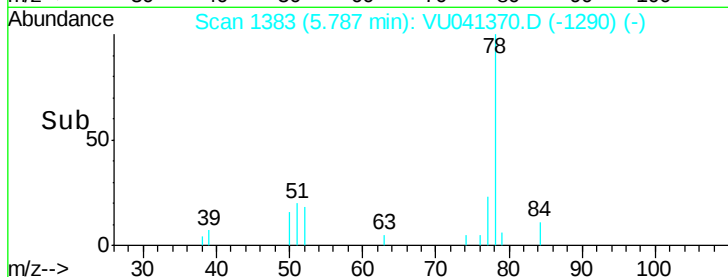
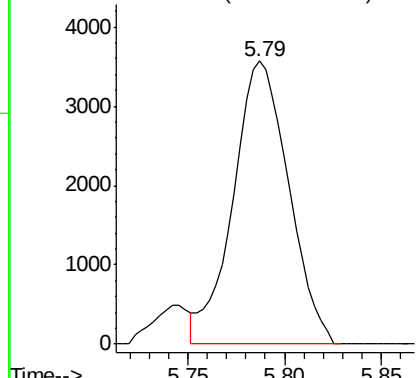
ClientSampled :

H4405

Tgt Ion: 78 Resp: 7129



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 122.481 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041370.D

Acq: 20 Nov 2020 16:27

Tgt Ion: 95 Resp: 496301

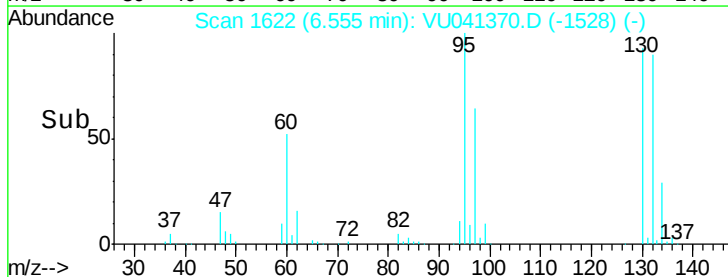
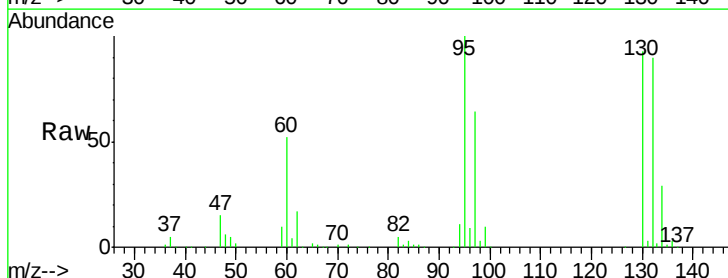
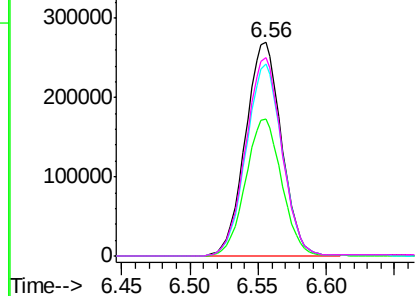
Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.6	84.6
132	89.7	64.8	120.4
130	92.9	64.8	120.4

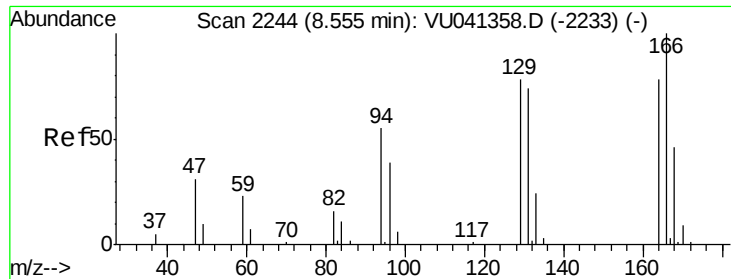
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#47

Tetrachloroethene

Concen: 2.014 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041370.D

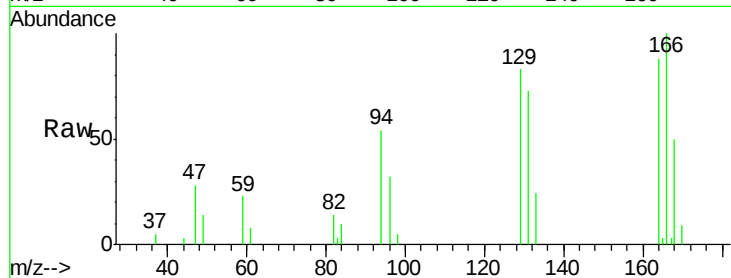
Acq: 20 Nov 2020 16:27

Instrument :

MSVOA_U

ClientSampleId :

H4405



Tot Ion:164 Resp: 6030

Ion Ratio Lower Upper

164 100

129 94.1 70.3 130.7

131 83.4 70.8 131.4

166 113.9 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

