

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
 Data File : VU041305.D
 Acq On : 18 Nov 2020 03:00
 Operator : SY/MD
 Sample : L4759-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4416

Quant Time: Nov 18 06:32:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 18 00:06:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	68659	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	68119	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24890	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	21785	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.92	69	20214	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.58	63	34938	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	4.66	46	98634	47.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.74%
24) Chloroform-d	5.08	84	53189	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.72	65	32666	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.74	84	92143	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.70	67	32504	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.91	98	75013	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.19	79	12182	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.64	63	66397	45.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.28%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24398	3.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	24792	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

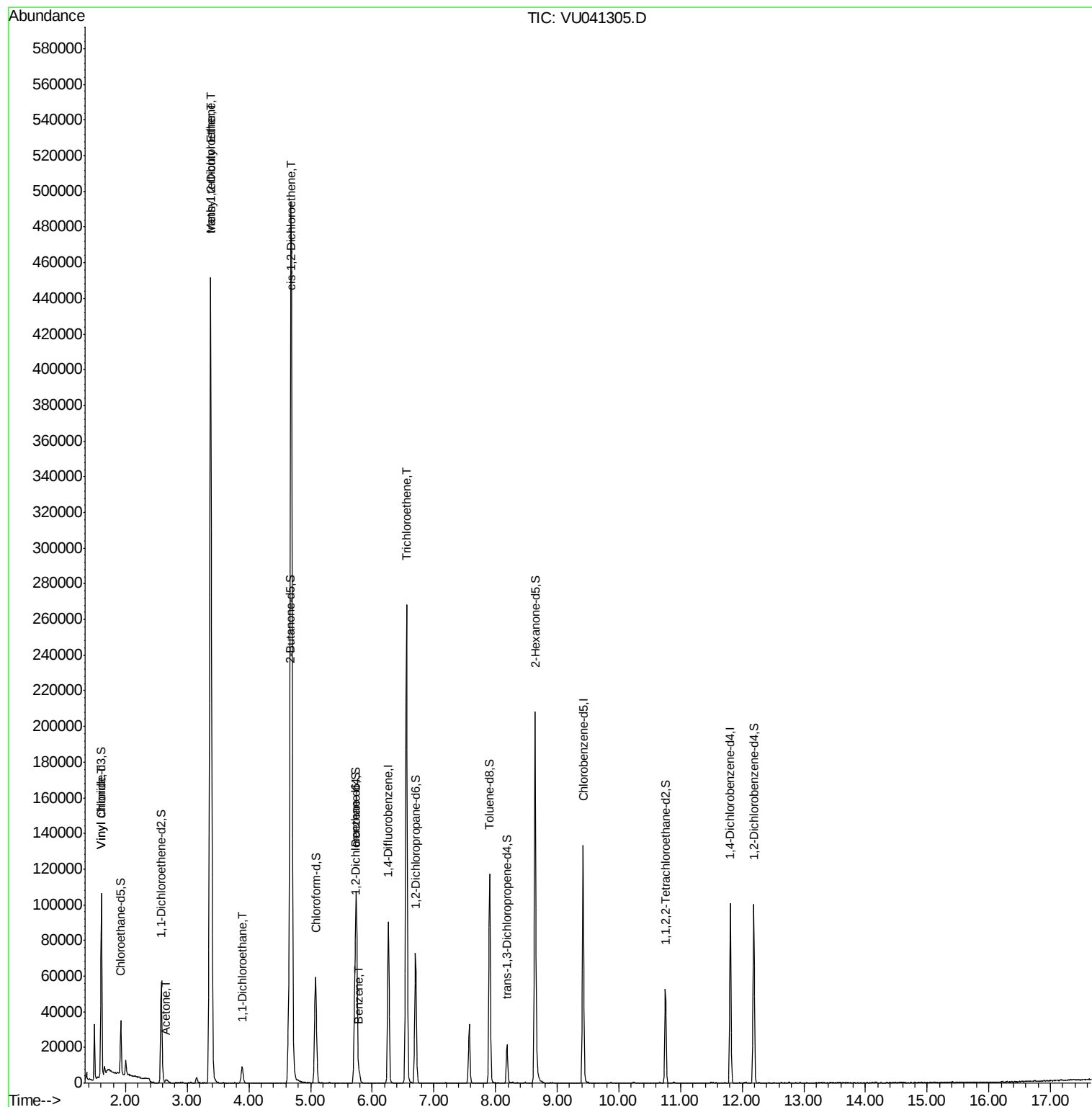
					Ovalue
5) Vinyl chloride	1.61	62	28183	4.728	ug/L 91
13) Acetone	2.66	43	3214	2.327	ug/L 84
17) Methyl tert-butyl Ether	3.38	73	417284	34.103	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	28587	6.567	ug/L 98
19) 1,1-Dichloroethane	3.89	63	11072	1.138	ug/L 98
22) cis-1,2-Dichloroethene	4.69	96	231105	47.010	ug/L 97
33) Benzene	5.79	78	5654	0.306	ug/L 100
34) Trichloroethene	6.56	95	90342	18.108	ug/L 99

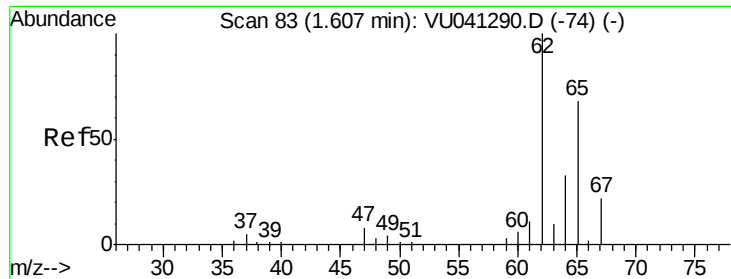
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.728 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041305.D

Acq: 18 Nov 2020 03:00

Instrument :

MSVOA_U

ClientSampleID :

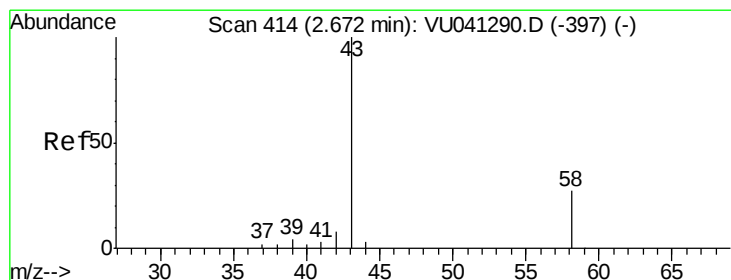
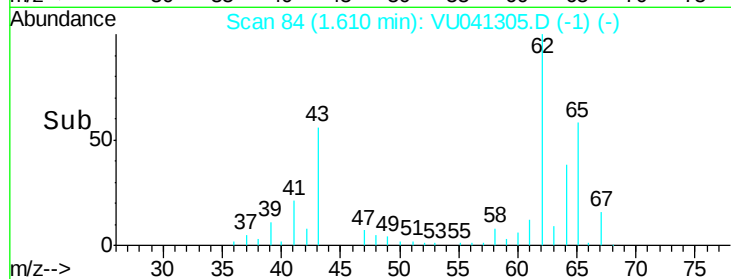
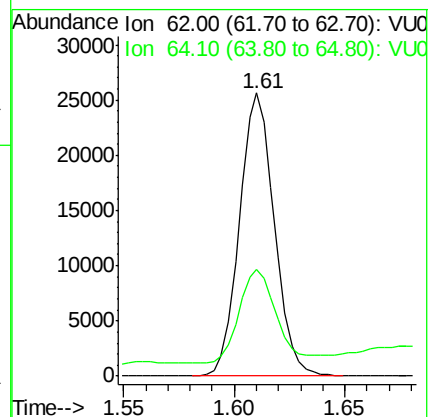
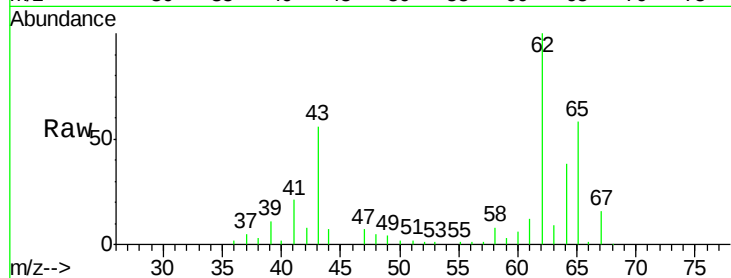
H4416

Tot Ion: 62 Resp: 28183

Ion Ratio Lower Upper

62 100

64 37.8 22.7 42.3



#13

Acetone

Concen: 2.327 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU041305.D

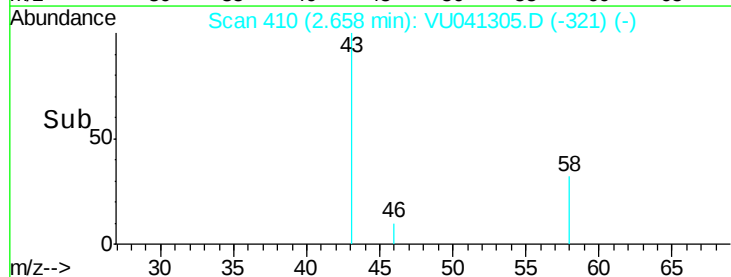
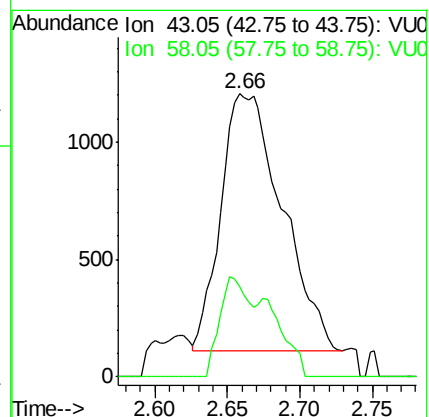
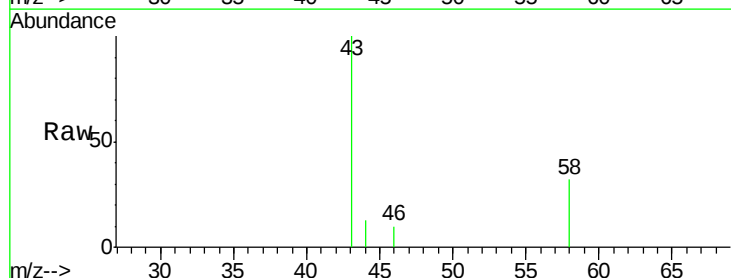
Acq: 18 Nov 2020 03:00

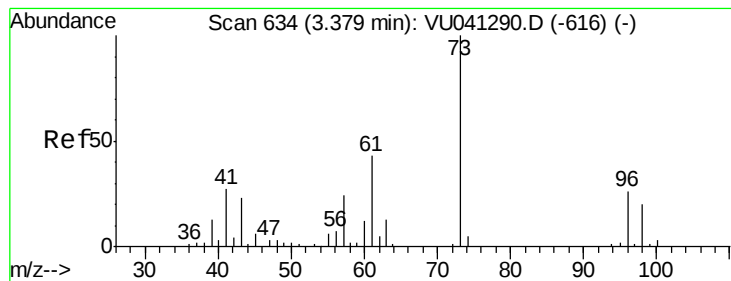
Tgt Ion: 43 Resp: 3214

Ion Ratio Lower Upper

43 100

58 18.8 0.0 25.4



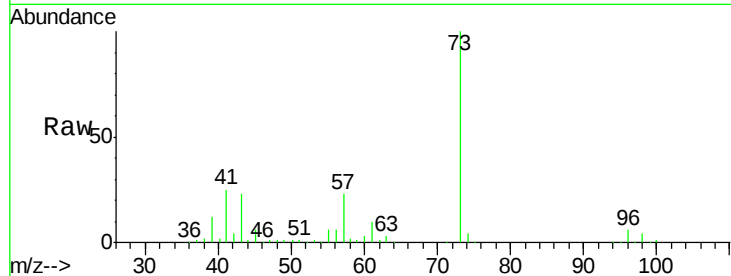


#17

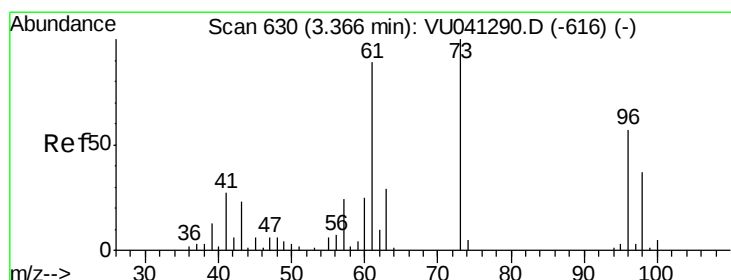
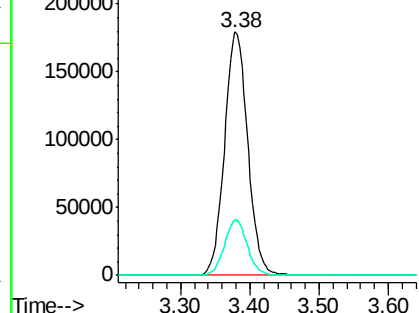
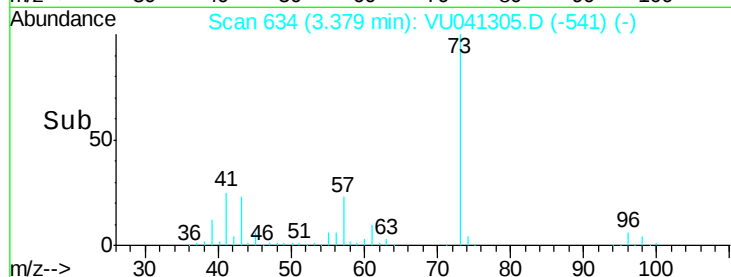
Methvl tert-butvl Ether
 Concen: 34.103 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VU041305.D
 Acq: 18 Nov 2020 03:00

Instrument :
 MSVOA_U
 ClientSampleId :
 H4416

Tot Ion: 73 Resp: 417284
 Ion Ratio Lower Upper
 73 100
 43 22.6 18.5 27.7
 57 22.3 18.4 27.6



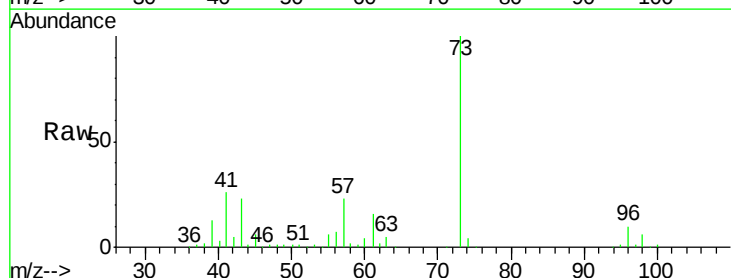
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



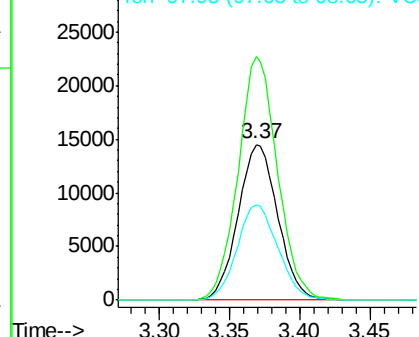
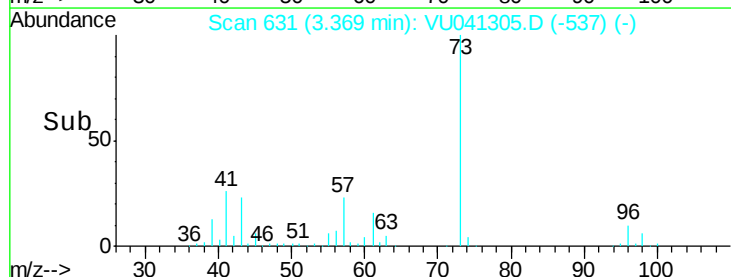
#18

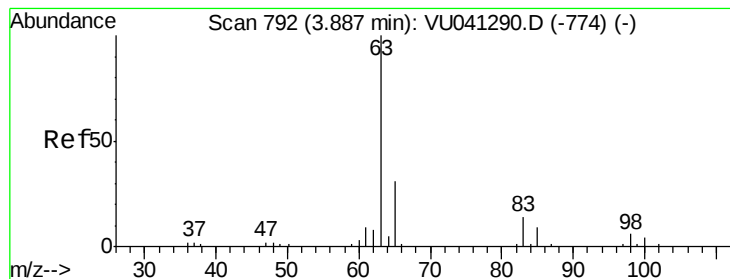
trans-1,2-Dichloroethene
 Concen: 6.567 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU041305.D
 Acq: 18 Nov 2020 03:00

Tgt Ion: 96 Resp: 28587
 Ion Ratio Lower Upper
 96 100
 61 156.6 110.9 205.9
 98 61.2 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: 1.138 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041305.D

Acq: 18 Nov 2020 03:00

Instrument :

MSVOA_U

ClientSampleId :

H4416

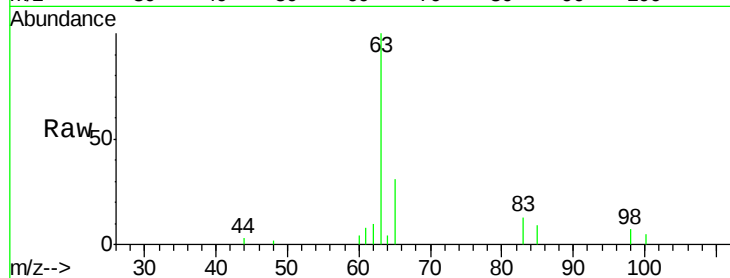
Tot Ion: 63 Resp: 11072

Ion Ratio Lower Upper

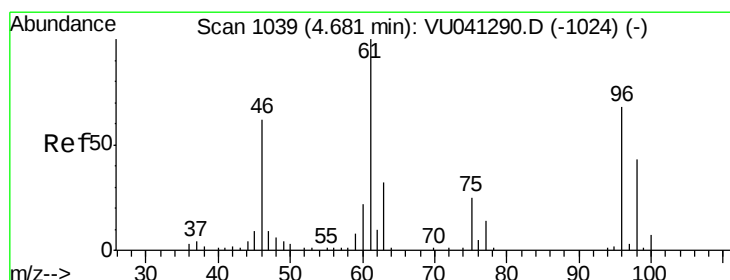
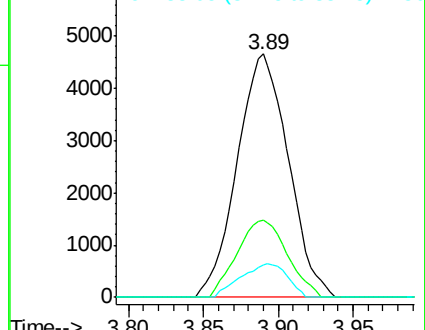
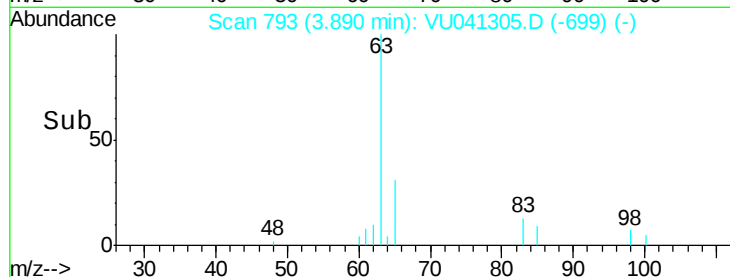
63 100

65 31.5 21.3 39.6

83 13.4 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041305.D (-699) (-)



#22

cis-1,2-Dichloroethene

Concen: 47.010 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU041305.D

Acq: 18 Nov 2020 03:00

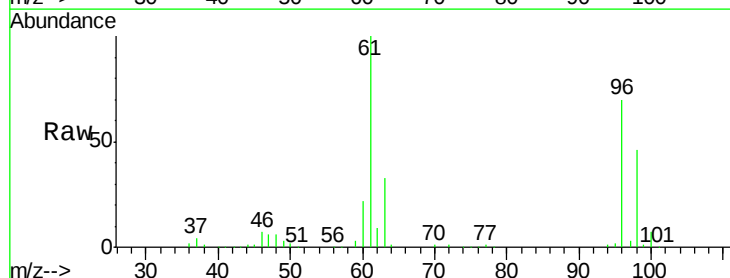
Tgt Ion: 96 Resp: 231105

Ion Ratio Lower Upper

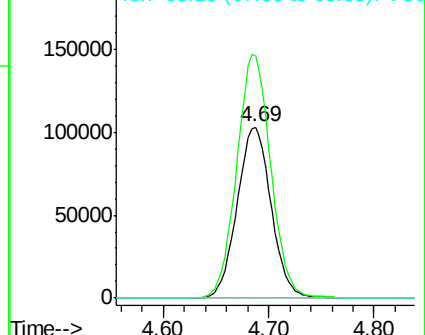
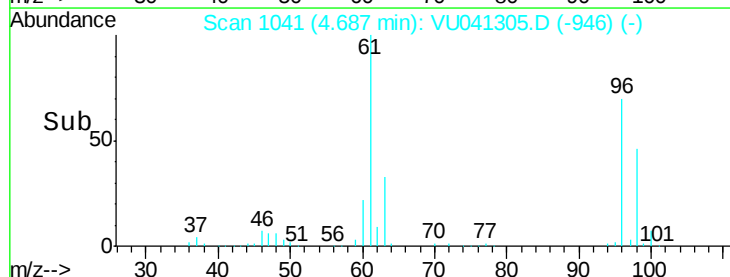
96 100

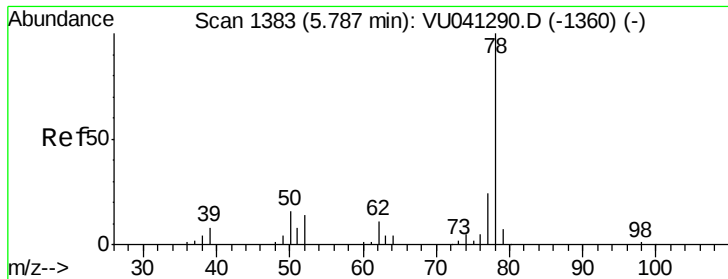
61 142.0 97.2 180.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041305.D (-946) (-)

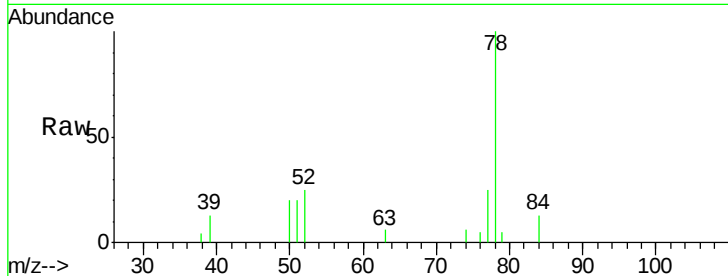




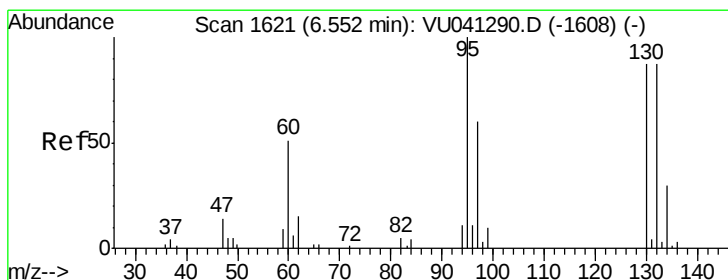
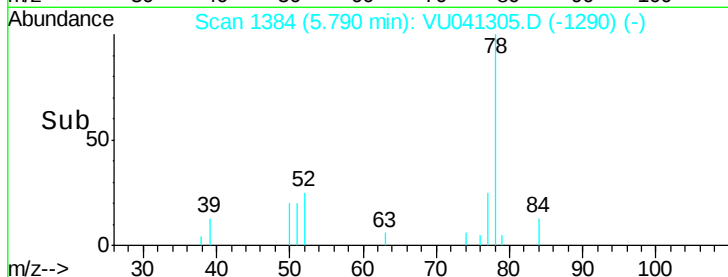
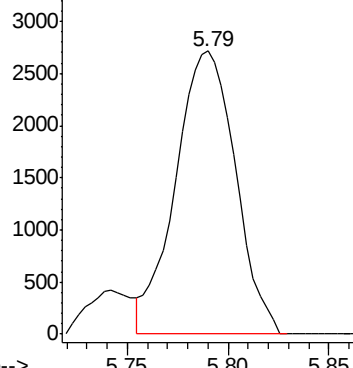
#33
Benzene
Concen: 0.306 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041305.D
Acq: 18 Nov 2020 03:00

Instrument :
MSVOA_U
ClientSampled :
H4416

Tgt Ion: 78 Resp: 5654



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 18.108 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU041305.D
Acq: 18 Nov 2020 03:00

Tgt Ion: 95 Resp: 90342
Ion Ratio Lower Upper
95 100
97 65.0 45.6 84.6
132 91.1 64.8 120.4
130 93.5 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

