

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111920\
 Data File : VU041332.D
 Acq On : 18 Nov 2020 23:23
 Operator : SY/MD
 Sample : L4790-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4402

Quant Time: Nov 19 02:03:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 19 00:50:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	64559	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	65206	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26078	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	21696	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.92	69	18108	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.58	63	34842	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	4.67	46	96655	49.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.72%
24) Chloroform-d	5.08	84	50166	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.72	65	31743	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.74	84	86418	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.70	67	29491	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.90	98	71385	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	8.19	79	11377	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.64	63	65808	47.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26370	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	26939	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

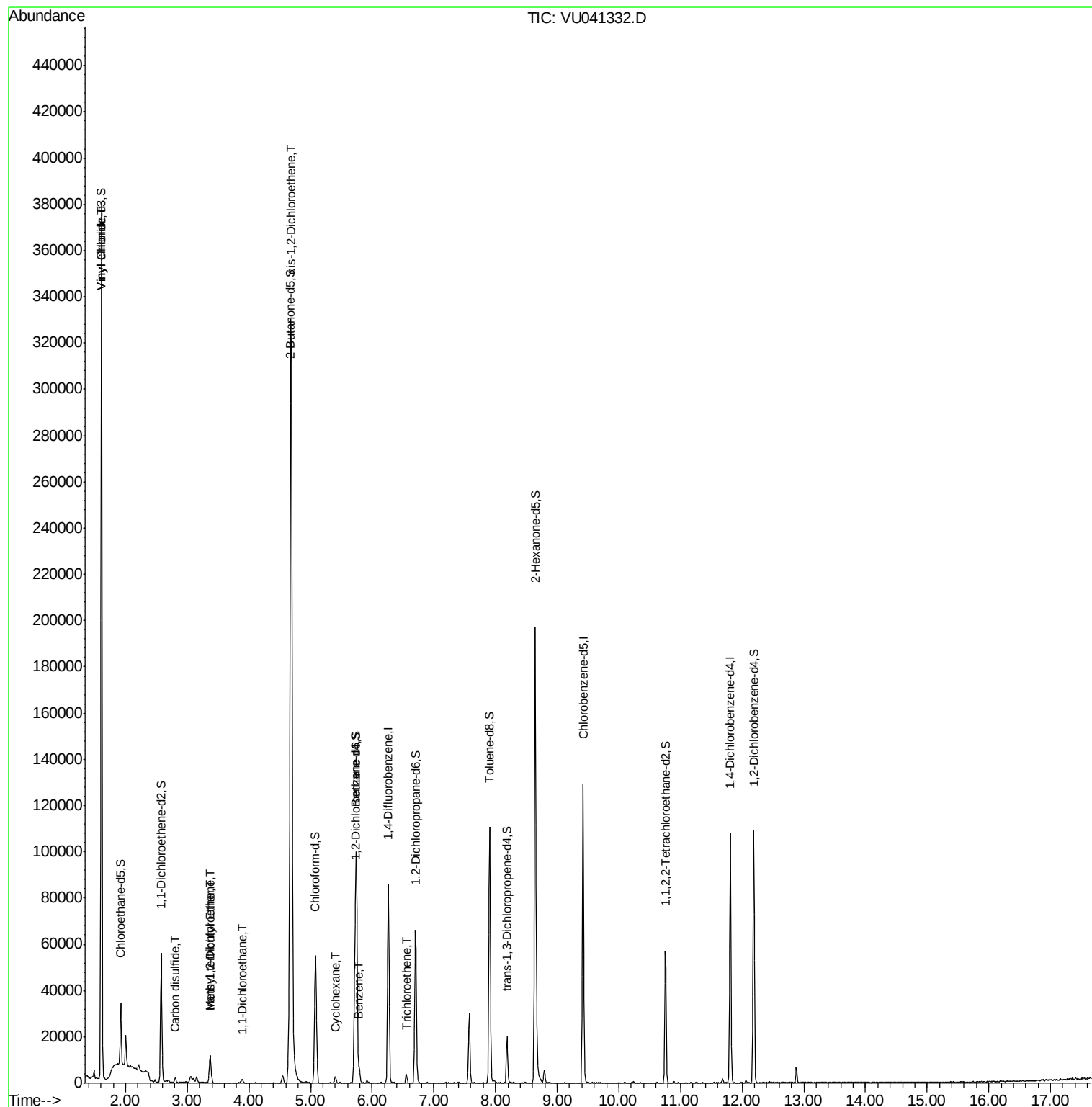
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	233258	41.620	ug/L	99
14) Carbon disulfide	2.81	76	2879	0.233	ug/L #	93
17) Methyl tert-butyl Ether	3.38	73	2106	0.183	ug/L #	1
18) trans-1,2-Dichloroethene	3.37	96	2988	0.730	ug/L	89
19) 1,1-Dichloroethane	3.89	63	2394	0.262	ug/L #	88
22) cis-1,2-Dichloroethene	4.69	96	150183	32.490	ug/L	100
30) Cyclohexane	5.40	56	1357	0.206	ug/L #	61
33) Benzene	5.79	78	5446	0.308	ug/L	100
34) Trichloroethene	6.56	95	1422	0.298	ug/L	90

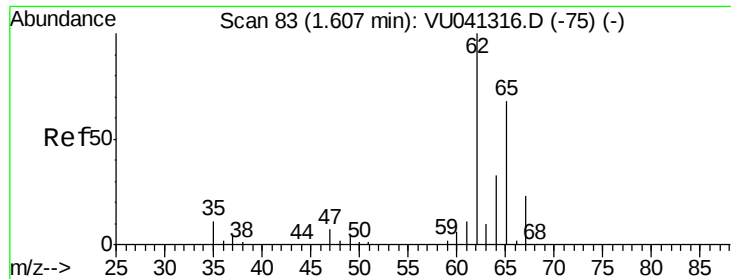
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 41.620 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041332.D

Acq: 18 Nov 2020 23:23

Instrument :

MSVOA_U

ClientSampleId :

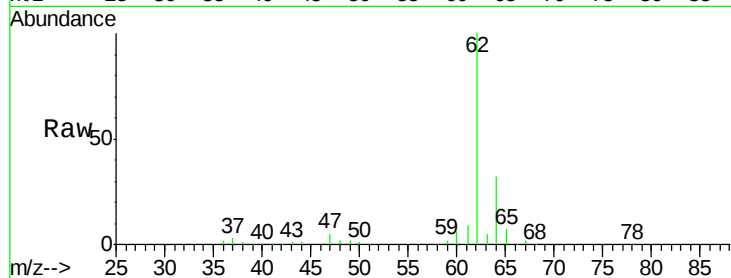
H4402

Tot Ion: 62 Resp: 233258

Ion Ratio Lower Upper

62 100

64 31.7 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

250000

200000

150000

100000

50000

0

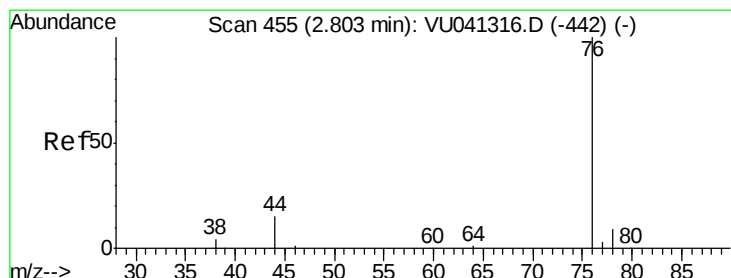
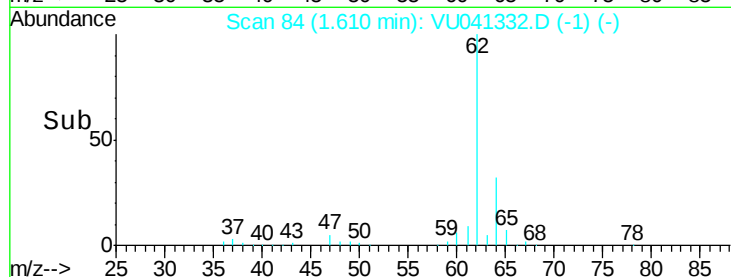
1.55

1.60

1.65

1.70

Time-->



#14

Carbon disulfide

Concen: 0.233 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041332.D

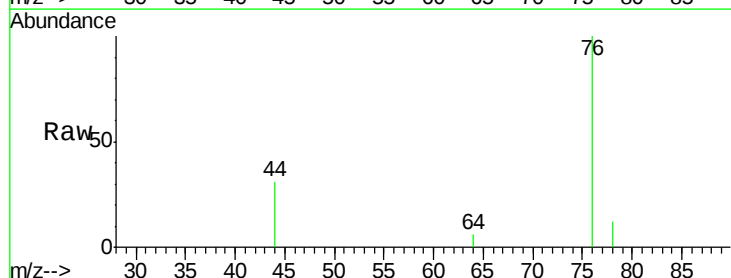
Acq: 18 Nov 2020 23:23

Tgt Ion: 76 Resp: 2879

Ion Ratio Lower Upper

76 100

78 12.0 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2000

1500

1000

500

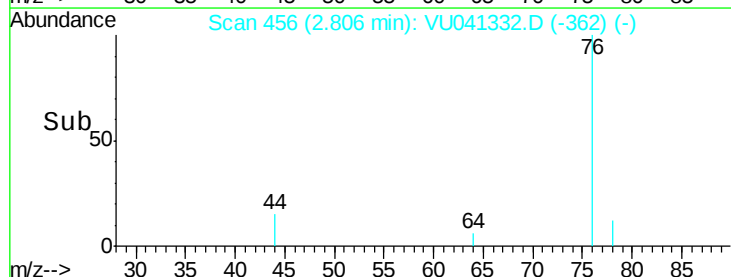
0

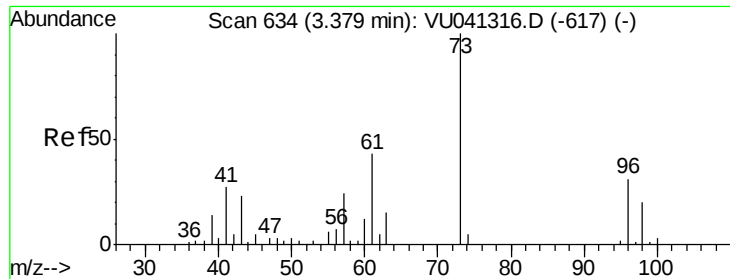
2.75

2.80

2.85

Time-->

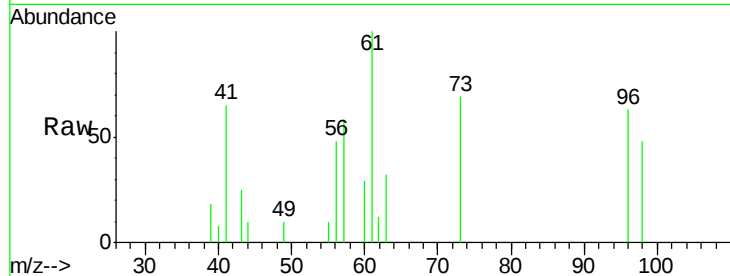




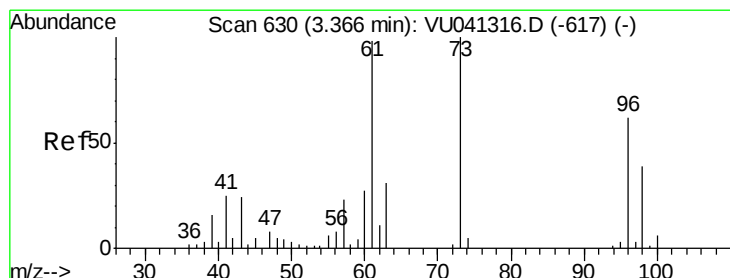
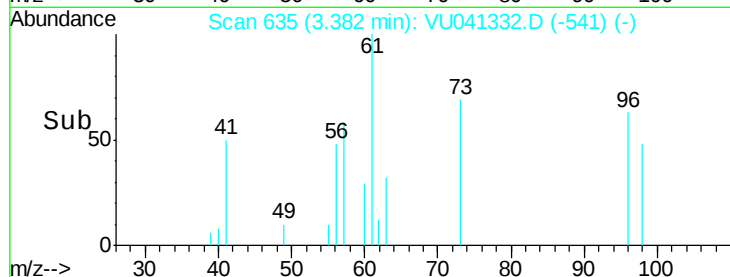
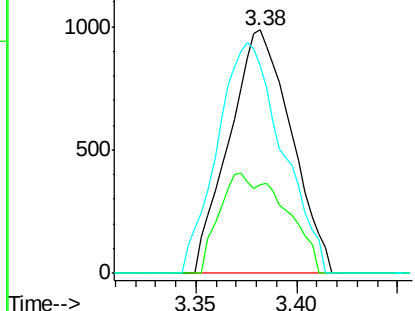
#17
Methvl tert-butvl Ether
Concen: 0.183 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Instrument :
MSVOA_U
ClientSampleId :
H4402

Tot Ion: 73 Resp: 2106
Ion Ratio Lower Upper
73 100
43 43.7 18.5 27.7#
57 99.4 18.4 27.6#

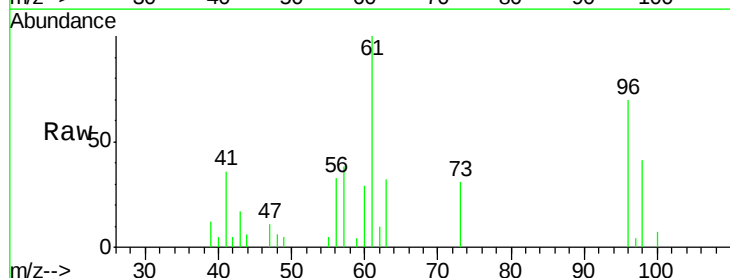


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

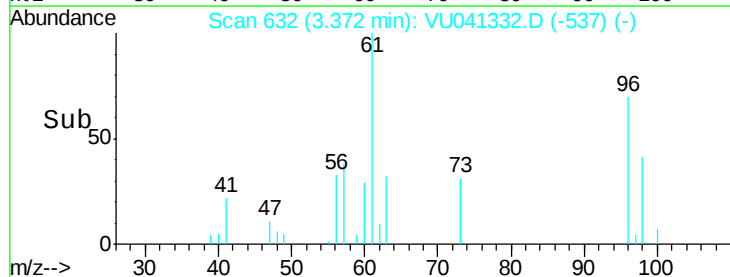
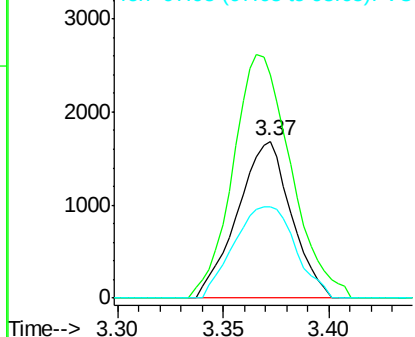


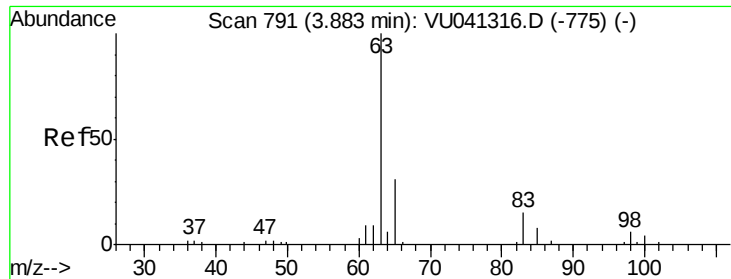
#18
trans-1,2-Dichloroethene
Concen: 0.730 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Tgt Ion: 96 Resp: 2988
Ion Ratio Lower Upper
96 100
61 142.1 110.9 205.9
98 58.4 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

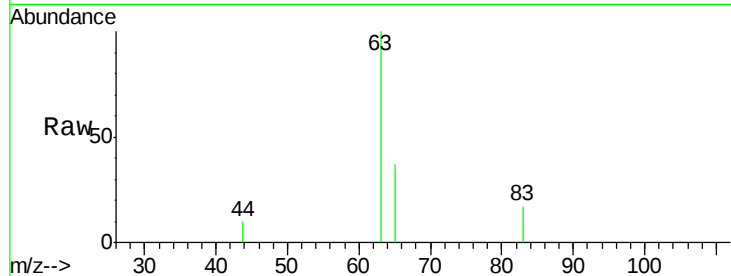




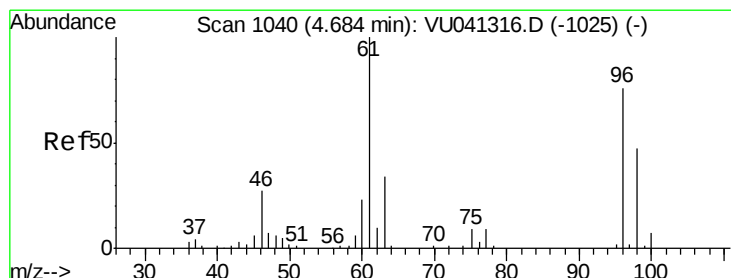
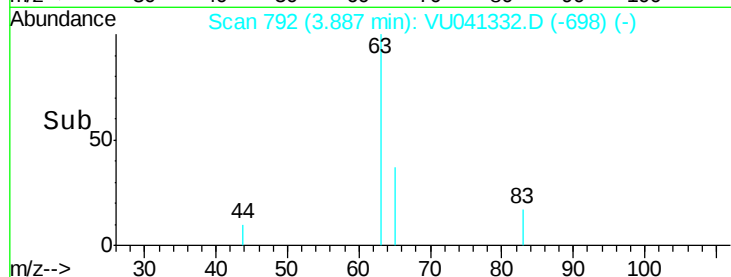
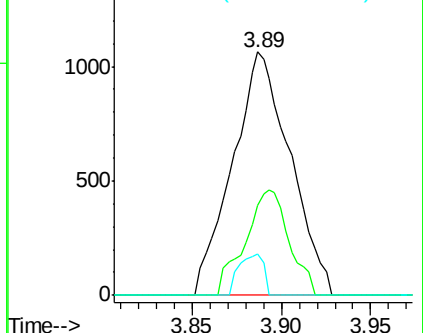
#19
 1,1-Dichloroethane
 Concen: 0.262 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041332.D
 Acq: 18 Nov 2020 23:23

Instrument :
 MSVOA_U
 ClientSampled :
 H4402

Tot Ion: 63 Resp: 2394
 Ion Ratio Lower Upper
 63 100
 65 37.0 21.3 39.6
 83 17.0 8.8 16.3#

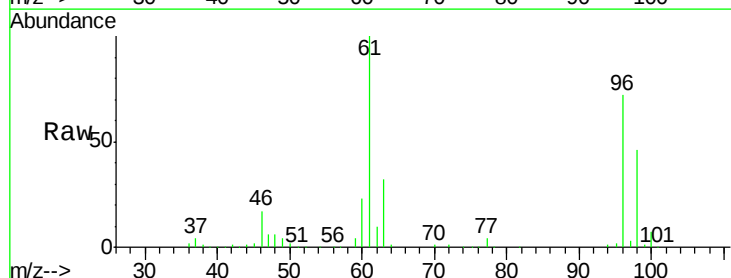


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

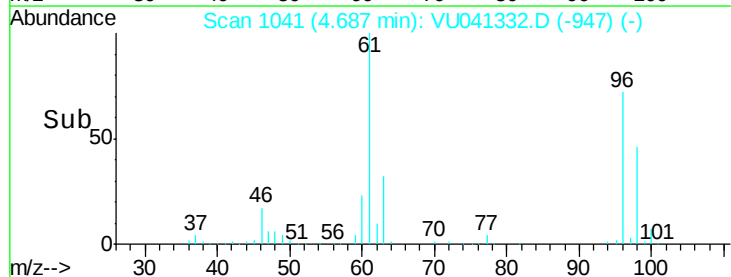
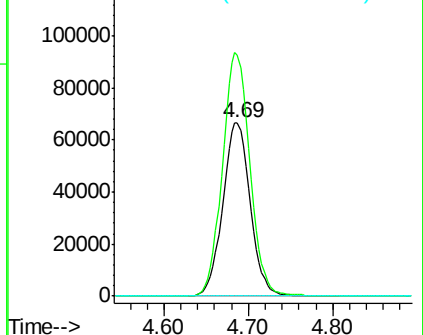


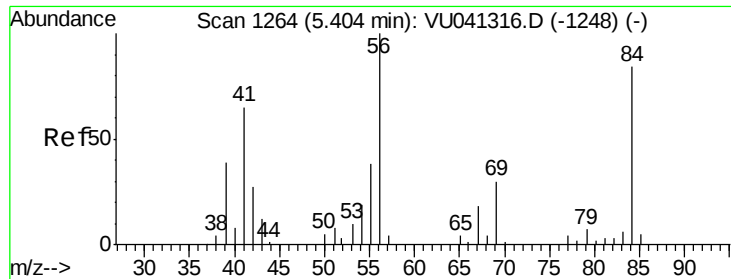
#22
 cis-1,2-Dichloroethene
 Concen: 32.490 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU041332.D
 Acq: 18 Nov 2020 23:23

Tgt Ion: 96 Resp: 150183
 Ion Ratio Lower Upper
 96 100
 61 139.3 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

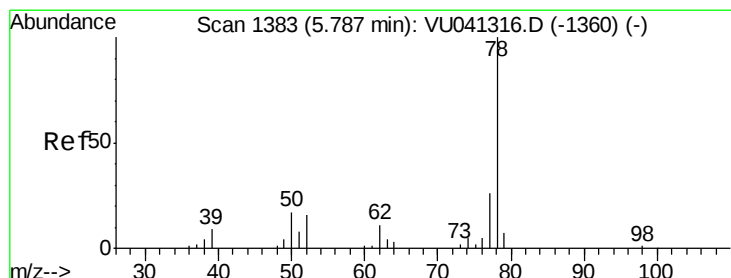
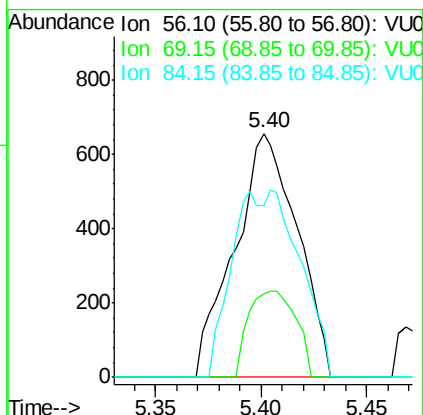
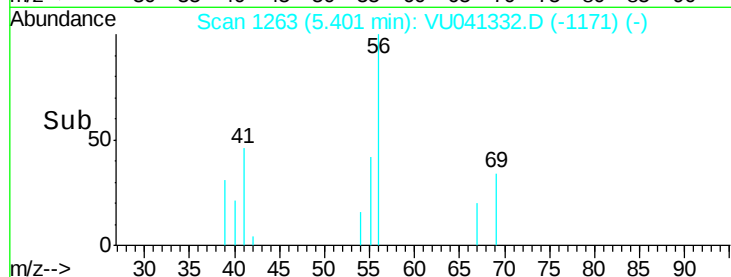
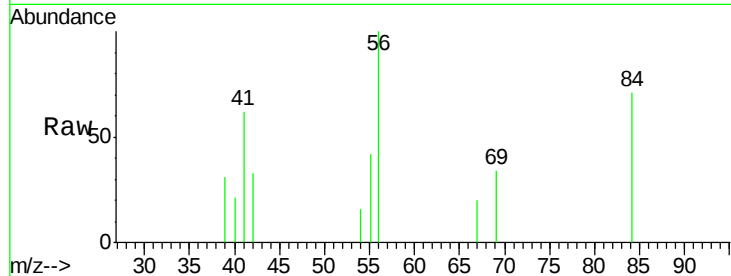




#30
Cyclohexane
Concen: 0.206 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

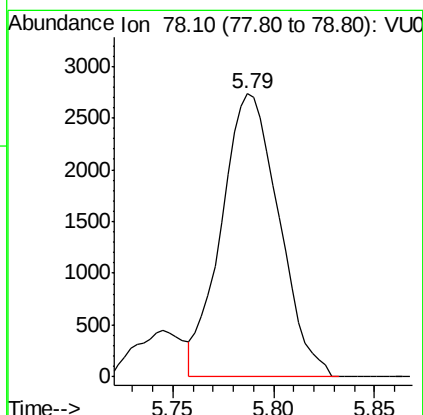
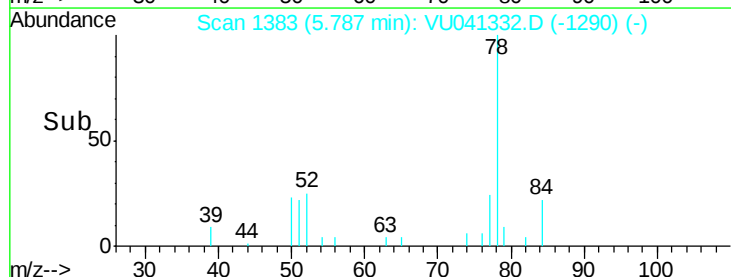
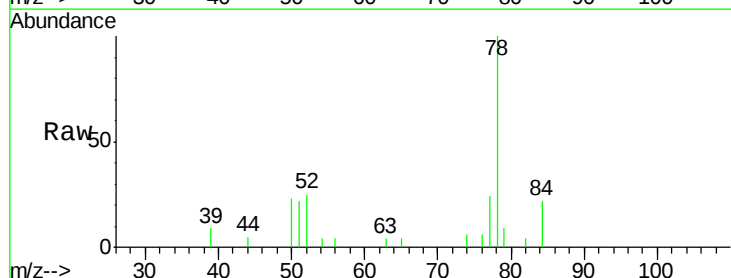
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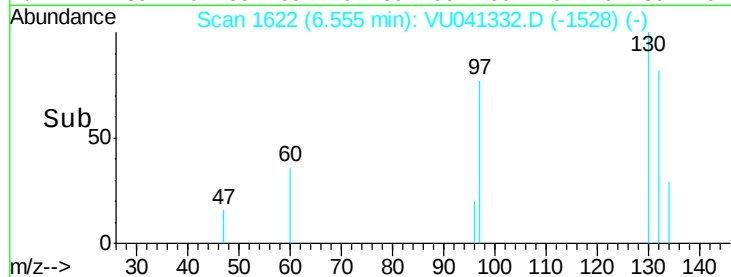
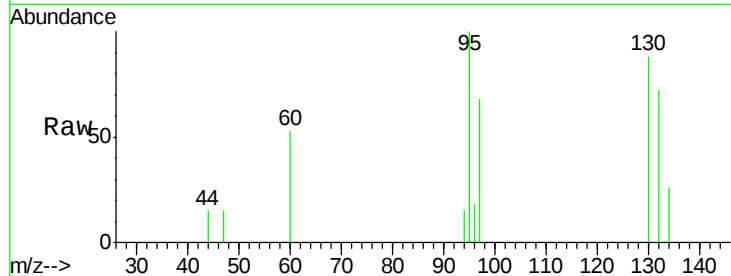
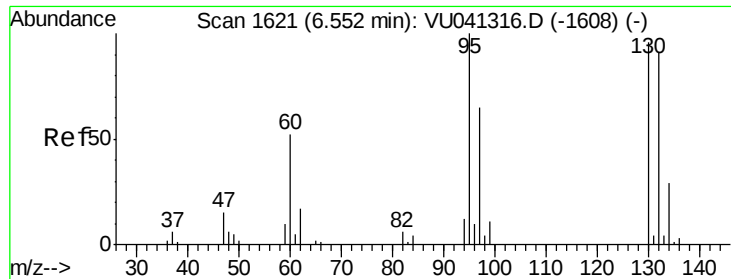
Tot Ion: 56 Resp: 1357
Ion Ratio Lower Upper
56 100
69 26.7 22.8 34.2
84 34.2 63.6 95.4#



#33
Benzene
Concen: 0.308 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU041332.D
Acq: 18 Nov 2020 23:23

Tgt Ion: 78 Resp: 5446





#34

Trichloroethene

Concen: 0.298 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041332.D

Acq: 18 Nov 2020 23:23

Instrument :

MSVOA_U

ClientSampleId :

H4402

Tot Ion: 95 Resp: 1422

Ion Ratio Lower Upper

95 100

97 68.0 45.6 84.6

132 72.2 64.8 120.4

130 88.4 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

