

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
 Data File : VU041353.D
 Acq On : 19 Nov 2020 19:12
 Operator : SY/MD
 Sample : L4790-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4419

Quant Time: Nov 20 07:45:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 20 05:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	57337	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	59188	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23805	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	14703	3.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.80%
7) Chloroethane-d5	1.92	69	14151	3.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.40%
11) 1,1-Dichloroethene-d2	2.58	63	23977	2.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.00%#
20) 2-Butanone-d5	4.66	46	94800	54.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.02%
24) Chloroform-d	5.08	84	42816	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.72	65	27814	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.74	84	67872	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	6.70	67	25240	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.91	98	49414	3.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.80%#
43) trans-1,3-Dichloropropene-	8.19	79	9491	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
46) 2-Hexanone-d5	8.64	63	62978	49.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.64%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25487	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	23207	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

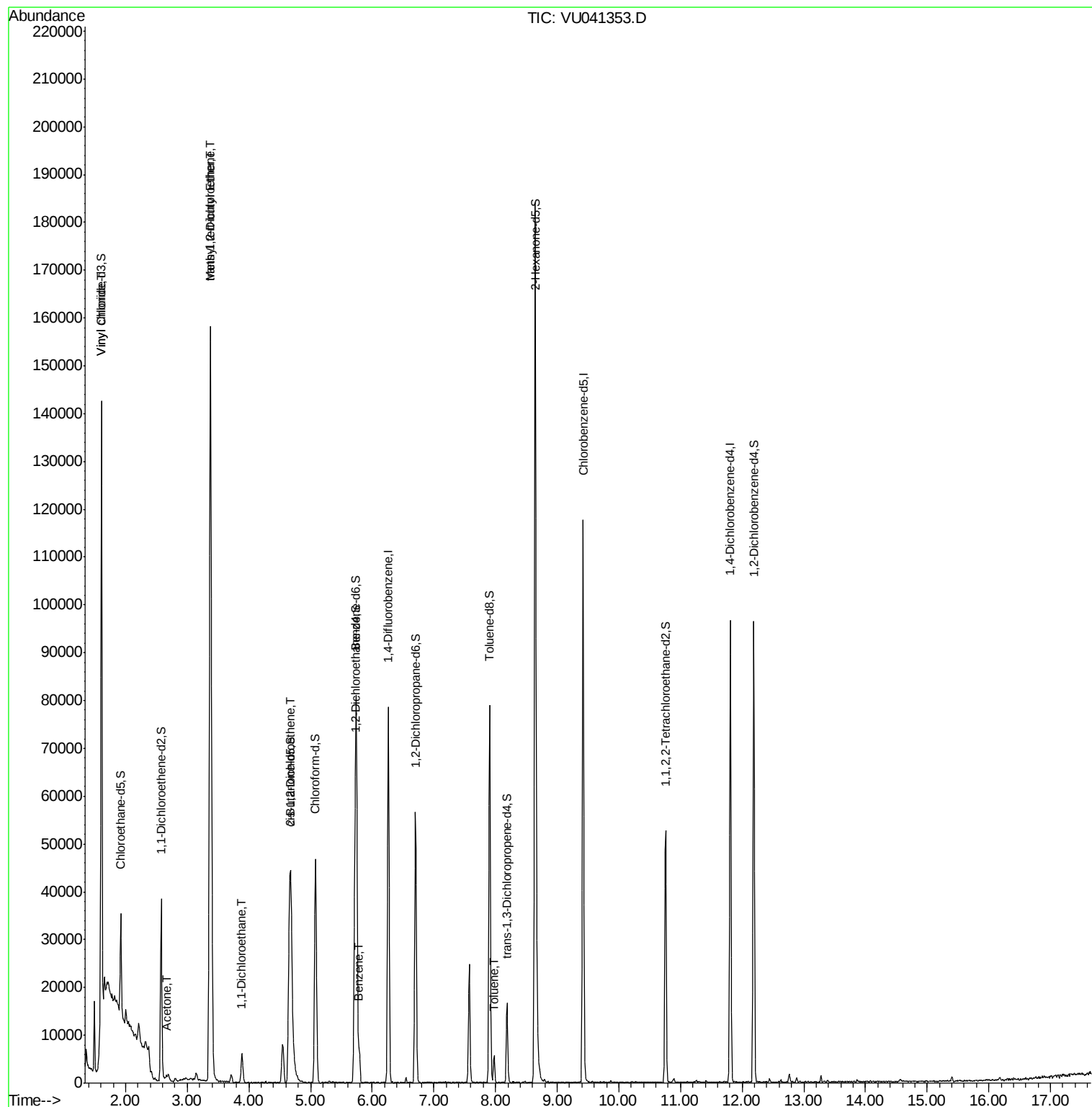
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	68979	13.858	ug/L	# 81
13) Acetone	2.67	43	1236	1.071	ug/L	100
17) Methyl tert-butyl Ether	3.38	73	122494	11.988	ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	21932	6.033	ug/L	97
19) 1,1-Dichloroethane	3.88	63	7320	0.901	ug/L	94
22) cis-1,2-Dichloroethene	4.68	96	5697	1.388	ug/L	93
33) Benzene	5.79	78	6193	0.386	ug/L	100
42) Toluene	7.98	91	4108	0.240	ug/L	97

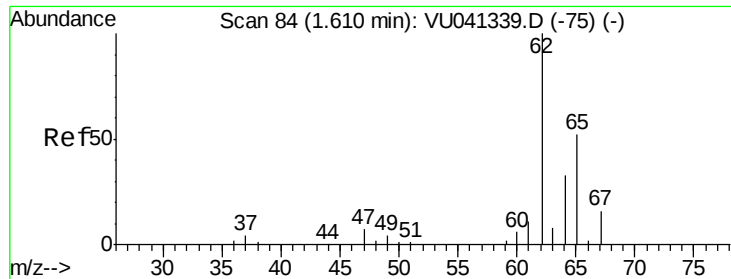
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 13.858 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041353.D

Acq: 19 Nov 2020 19:12

Instrument :

MSVOA_U

ClientSampled :

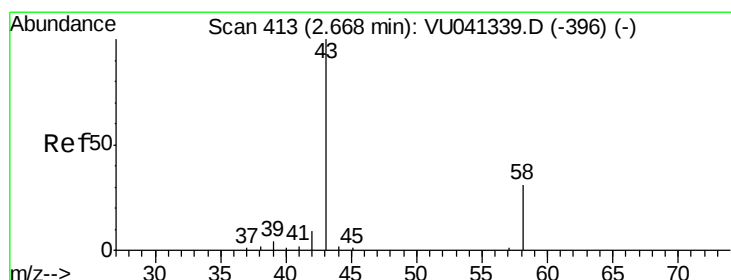
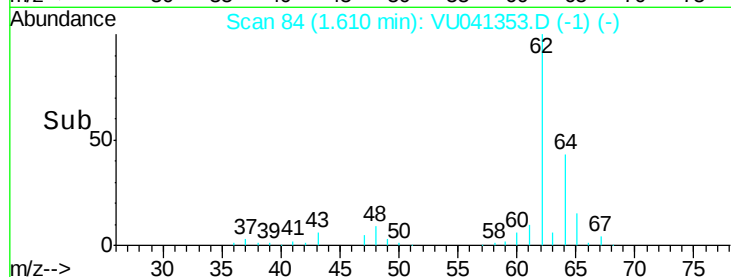
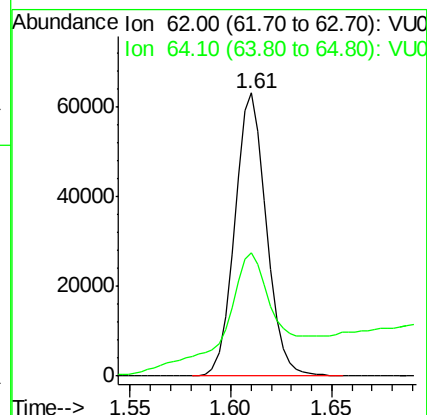
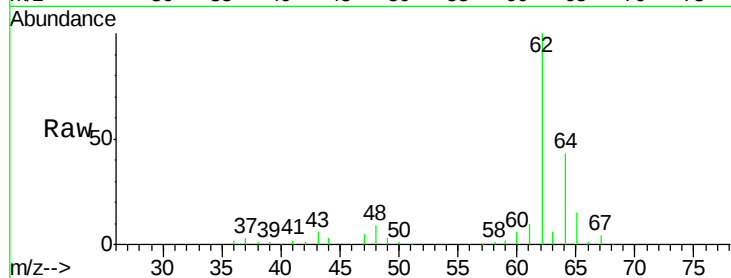
H4419

Tot Ion: 62 Resp: 68979

Ion Ratio Lower Upper

62 100

64 43.4 22.7 42.3#



#13

Acetone

Concen: 1.071 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU041353.D

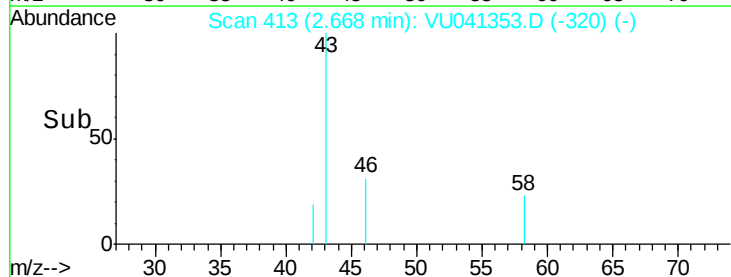
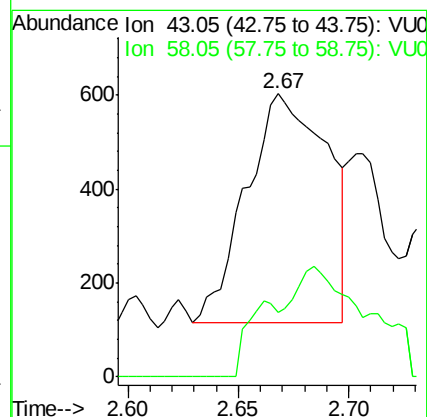
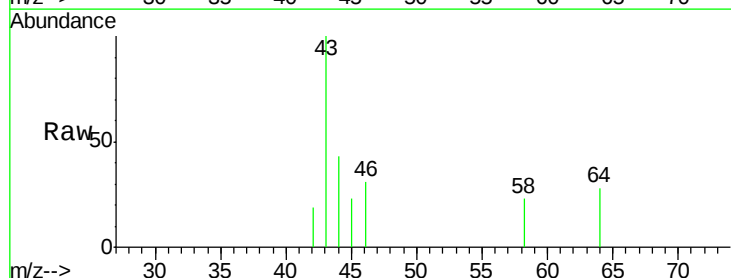
Acq: 19 Nov 2020 19:12

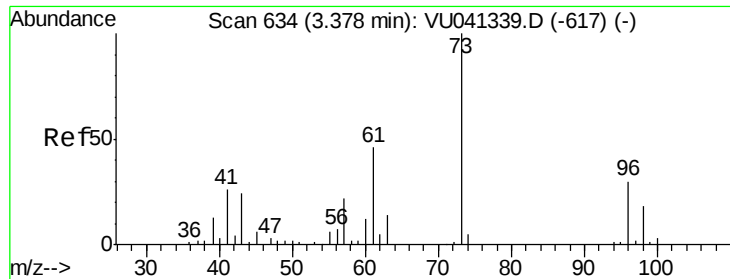
Tgt Ion: 43 Resp: 1236

Ion Ratio Lower Upper

43 100

58 12.8 0.0 25.4

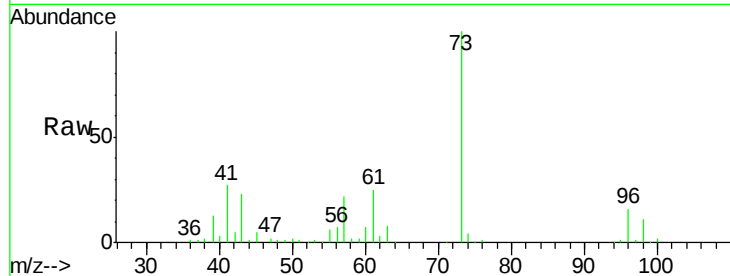




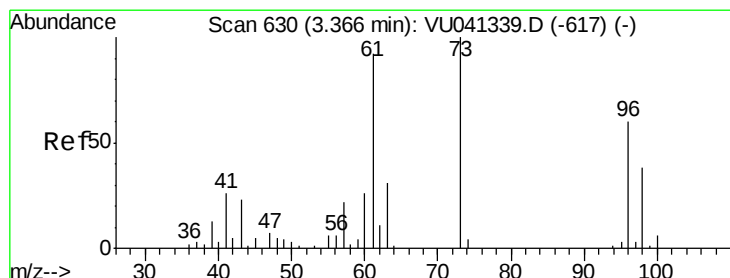
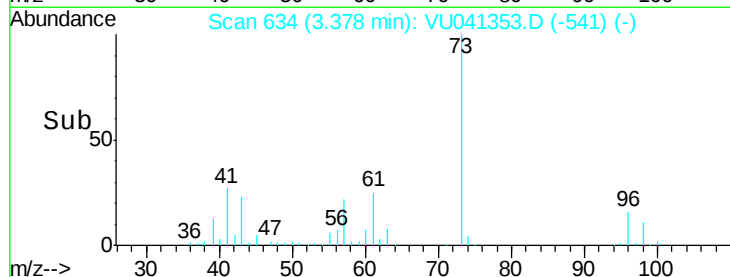
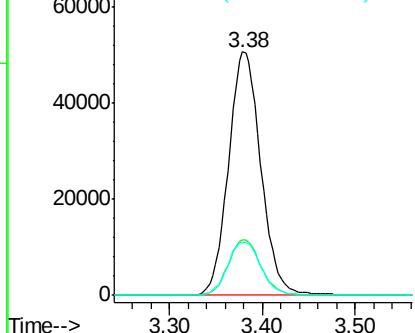
#17
Methvl tert-butvl Ether
Concen: 11.988 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041353.D
Acq: 19 Nov 2020 19:12

Instrument :
MSVOA_U
ClientSampleId :
H4419

Tot Ion: 73 Resp: 122494
Ion Ratio Lower Upper
73 100
43 23.1 18.5 27.7
57 22.6 18.4 27.6

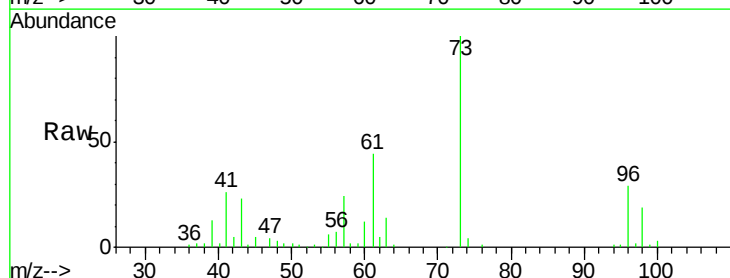


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

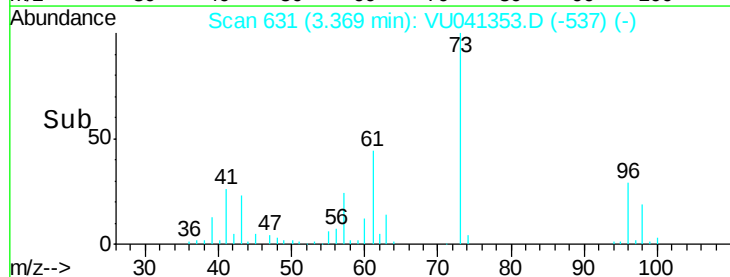
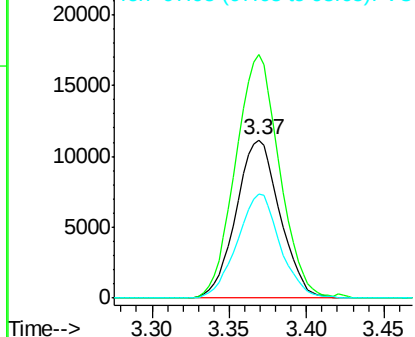


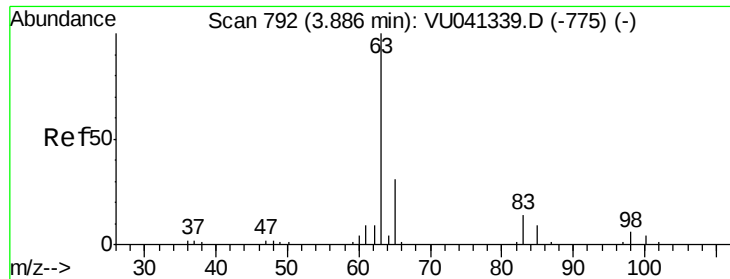
#18
trans-1,2-Dichloroethene
Concen: 6.033 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041353.D
Acq: 19 Nov 2020 19:12

Tgt Ion: 96 Resp: 21932
Ion Ratio Lower Upper
96 100
61 153.9 110.9 205.9
98 66.1 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

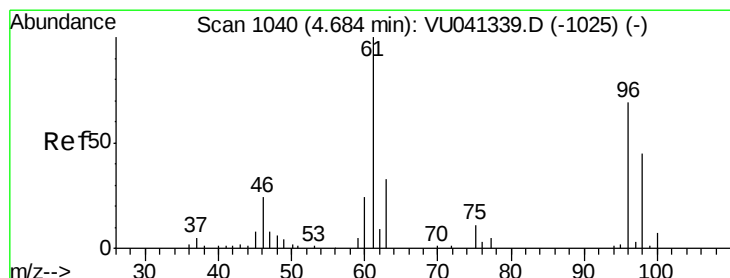
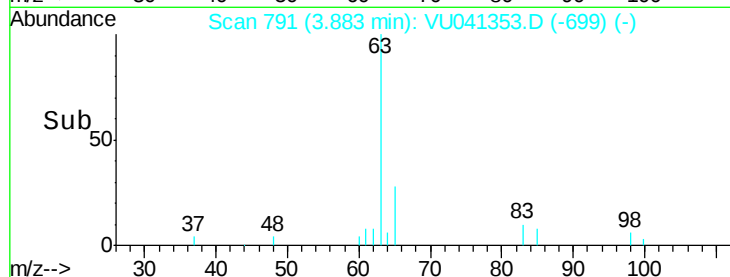
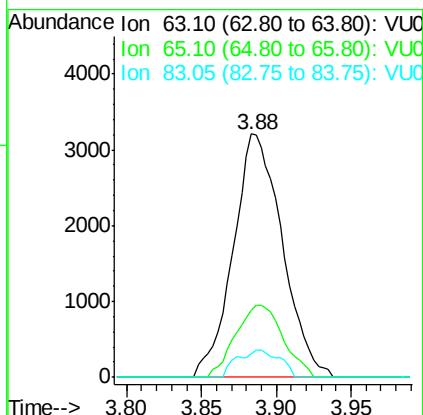
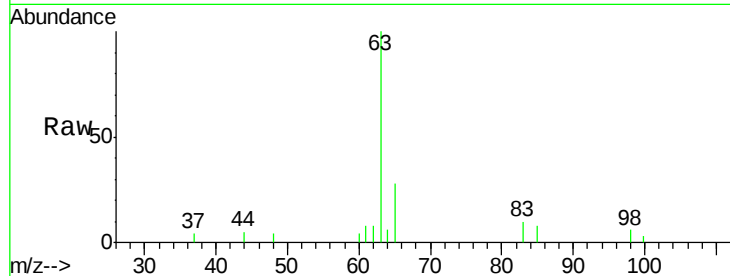




#19
 1,1-Dichloroethane
 Concen: 0.901 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VU041353.D
 Acq: 19 Nov 2020 19:12

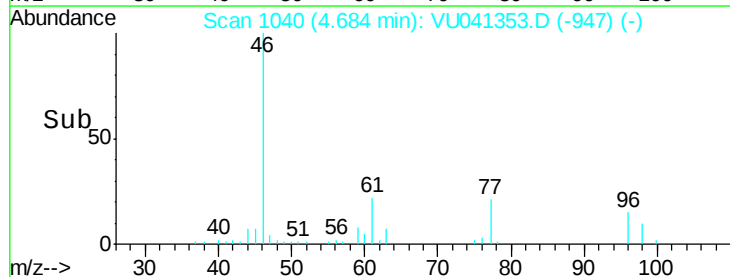
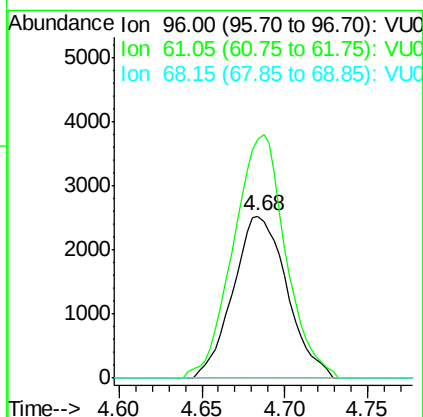
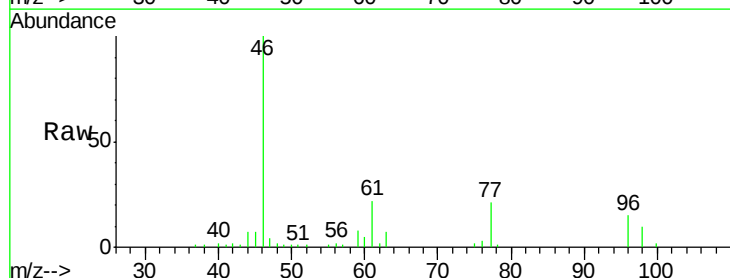
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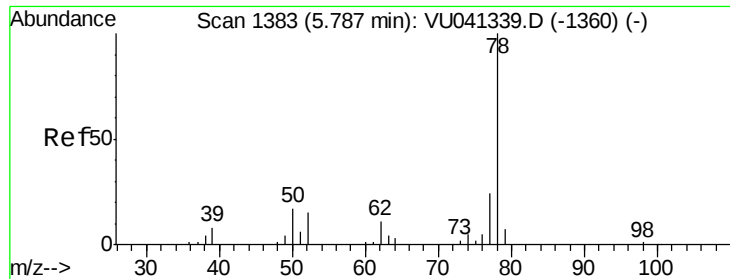
Tot Ion: 63 Resp: 7320
 Ion Ratio Lower Upper
 63 100
 65 27.5 21.3 39.6
 83 9.7 8.8 16.3



#22
 cis-1,2-Dichloroethene
 Concen: 1.388 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041353.D
 Acq: 19 Nov 2020 19:12

Tgt Ion: 96 Resp: 5697
 Ion Ratio Lower Upper
 96 100
 61 147.2 97.2 180.4
 68 0.0 0.0 0.0

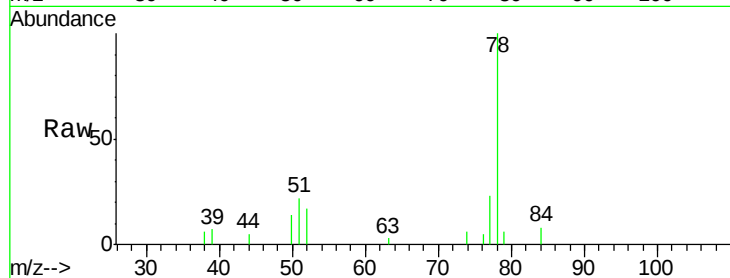




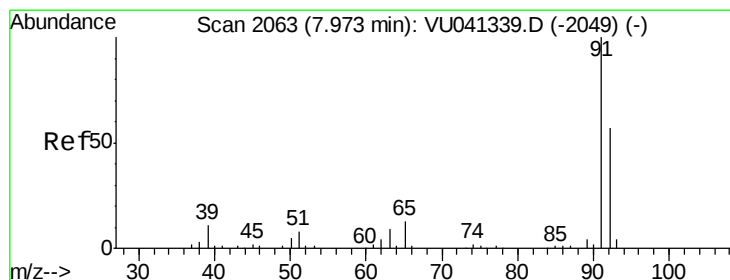
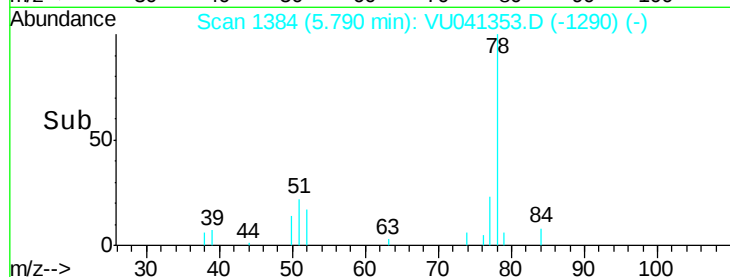
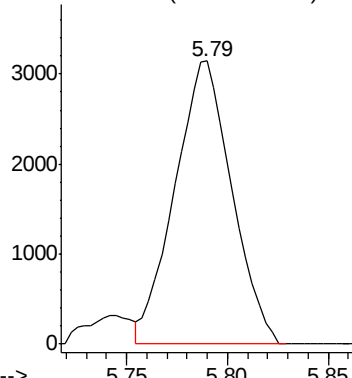
#33
Benzene
Concen: 0.386 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041353.D
Acq: 19 Nov 2020 19:12

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Tgt Ion: 78 Resp: 6193

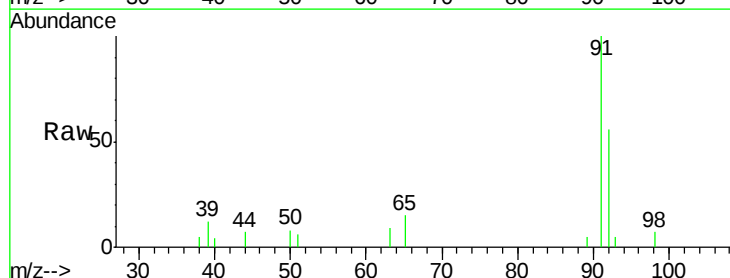


Abundance Ion 78.10 (77.80 to 78.80): VU0



#42
Toluene
Concen: 0.240 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VU041353.D
Acq: 19 Nov 2020 19:12

Tgt Ion: 91 Resp: 4108
Ion Ratio Lower Upper
91 100
92 56.0 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

