

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
 Data File : VU040383.D
 Acq On : 30 Sep 2020 01:07
 Operator : SY/MD
 Sample : L4186-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0F5

Quant Time: Sep 30 04:00:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 02:48:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124299	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	125988	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55810	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29953	4.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.40%
7) Chloroethane-d5	1.92	69	28016	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.58	63	49825	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	4.65	46	165803	54.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.48%
24) Chloroform-d	5.08	84	76279	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.72	65	46487	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.75	84	131530	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.70	67	47901	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.91	98	101730	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	8.19	79	17995	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
46) 2-Hexanone-d5	8.64	63	116011	52.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46023	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	48062	5.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.60%

Target Compounds

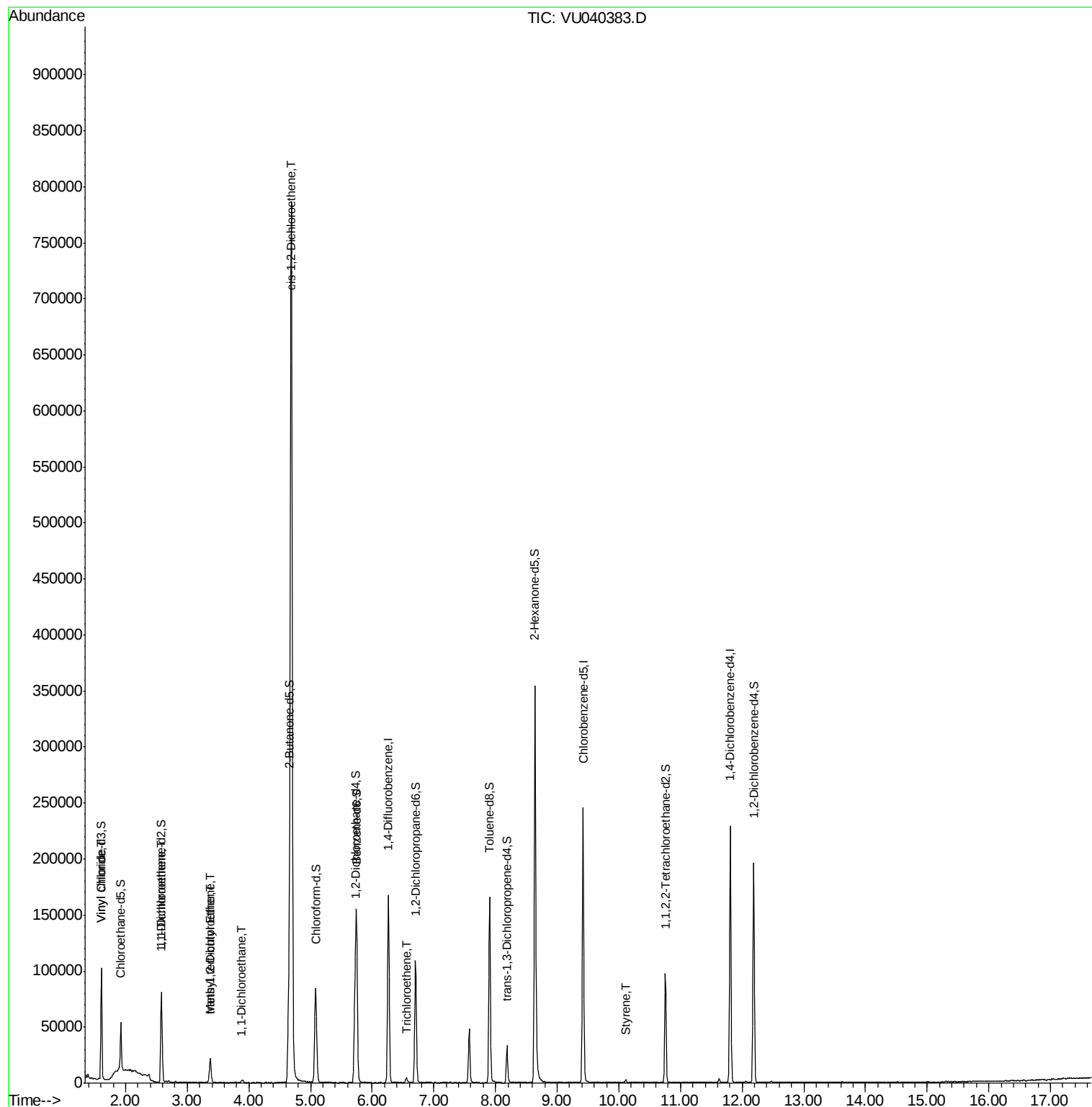
					Ovalue
5) Vinyl chloride	1.61	62	39883	3.319 ug/L	100
12) 1,1-Dichloroethene	2.59	96	2867	0.303 ug/L #	1
17) Methyl tert-butyl Ether	3.38	73	3961	0.152 ug/L #	92
18) trans-1,2-Dichloroethene	3.37	96	7002	0.715 ug/L	99
19) 1,1-Dichloroethane	3.89	63	3313	0.165 ug/L #	85
22) cis-1,2-Dichloroethene	4.69	96	370149	34.183 ug/L	100
34) Trichloroethene	6.55	95	1369	0.122 ug/L	93
55) Styrene	10.12	104	1336	0.046 ug/L	87

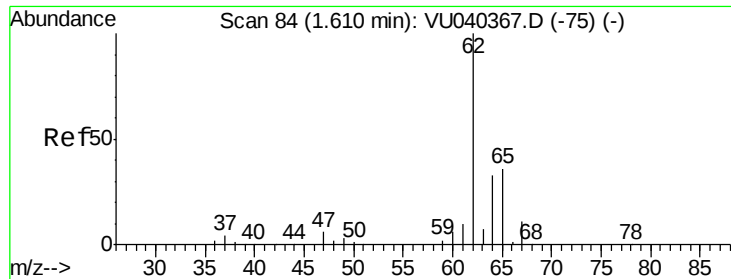
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 30 02:48:48 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.319 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040383.D

Acq: 30 Sep 2020 01:07

Instrument :

MSVOA_U

ClientSampleId :

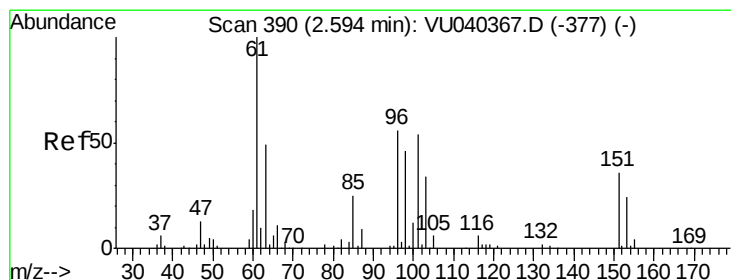
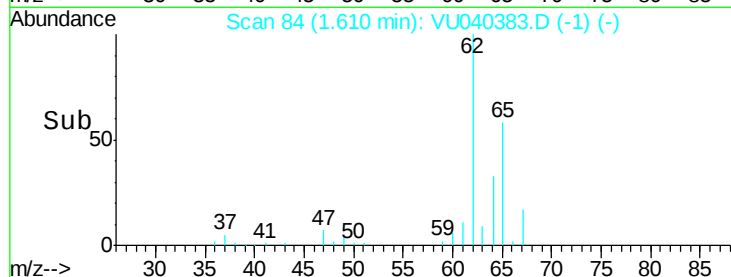
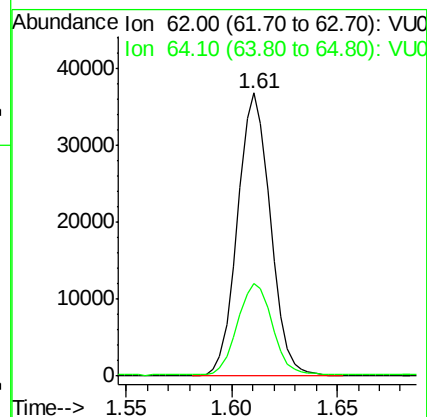
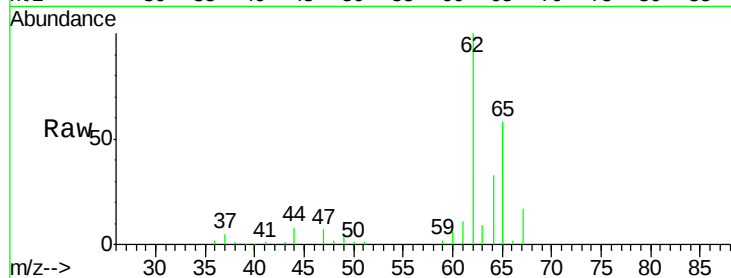
BG0F5

Tot Ion: 62 Resp: 39883

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



#12

1,1-Dichloroethene

Concen: 0.303 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040383.D

Acq: 30 Sep 2020 01:07

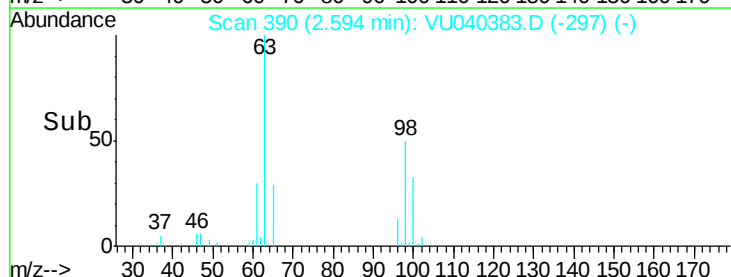
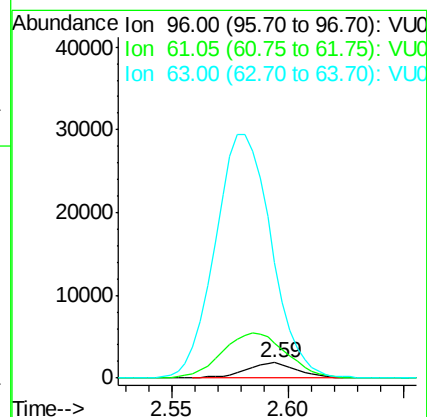
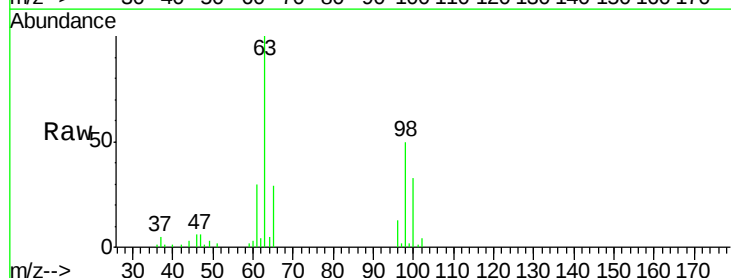
Tgt Ion: 96 Resp: 2867

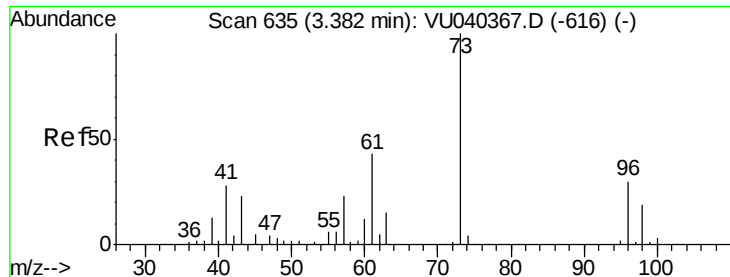
Ion Ratio Lower Upper

96 100

61 228.6 128.6 238.8

63 750.8 67.8 126.0#

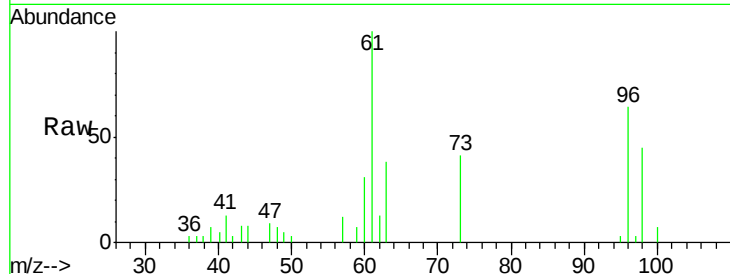




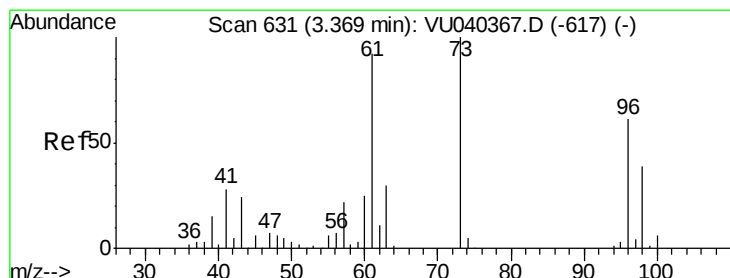
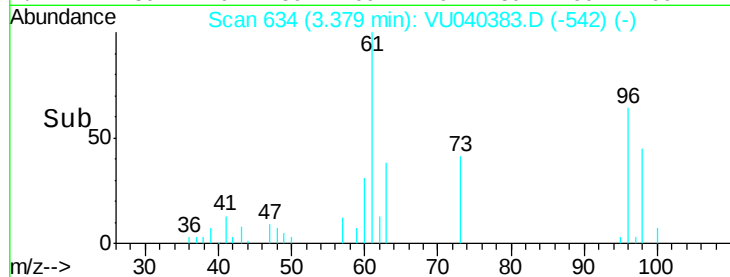
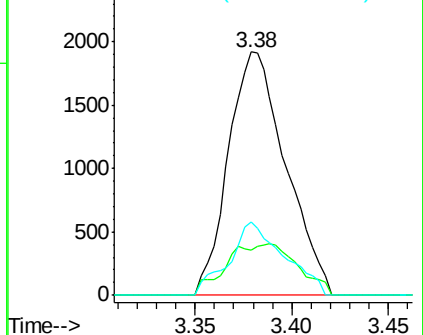
#17
Methvl tert-butvl Ether
Concen: 0.152 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040383.D
Acq: 30 Sep 2020 01:07

Instrument :
MSVOA_U
ClientSampleId :
BG0F5

Tot Ion: 73 Resp: 3961
Ion Ratio Lower Upper
73 100
43 26.4 19.0 28.4
57 28.8 18.9 28.3#

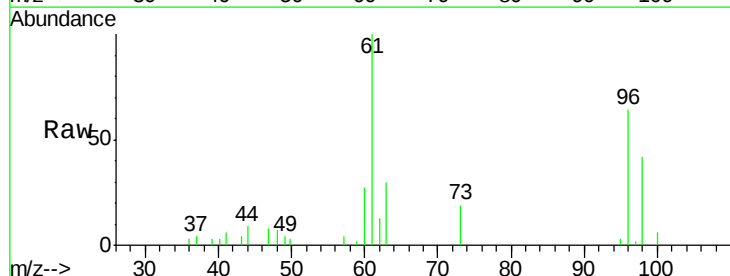


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

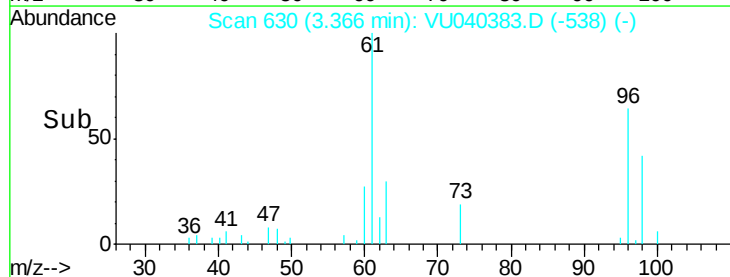
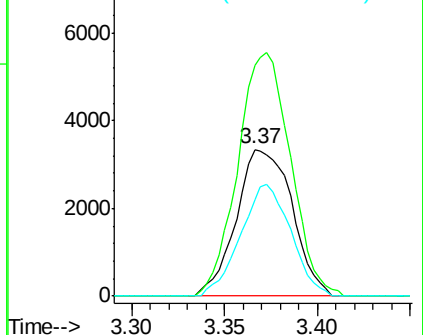


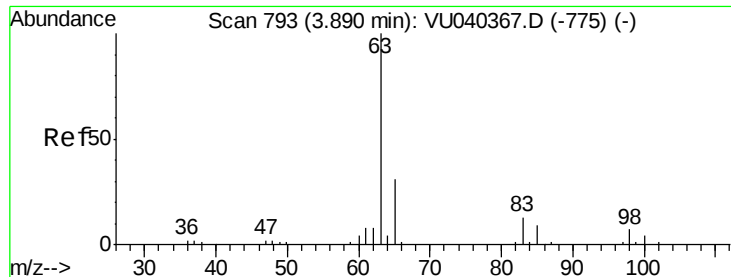
#18
trans-1,2-Dichloroethene
Concen: 0.715 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU040383.D
Acq: 30 Sep 2020 01:07

Tgt Ion: 96 Resp: 7002
Ion Ratio Lower Upper
96 100
61 157.3 109.3 203.1
98 65.5 45.8 85.0



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

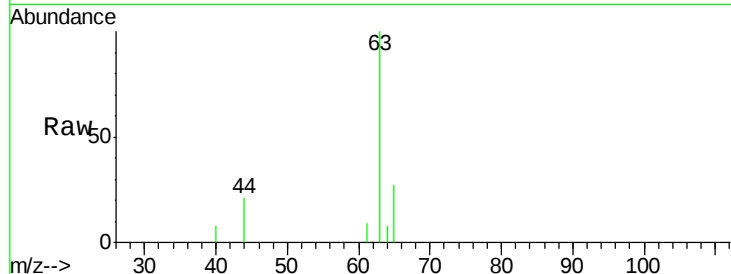




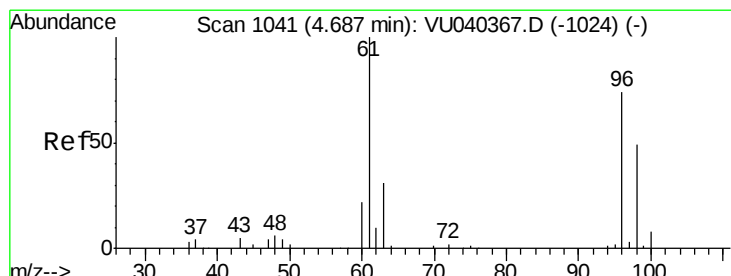
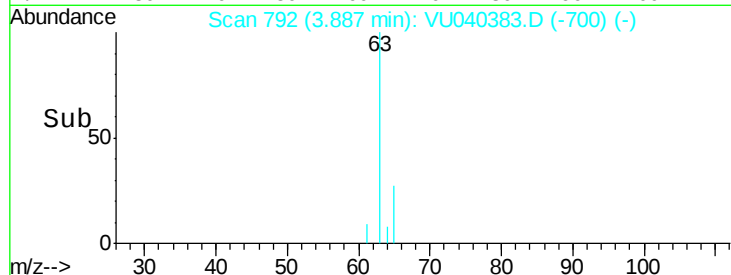
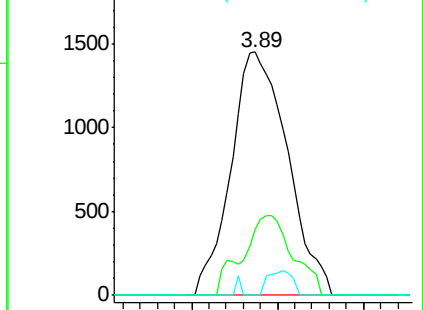
#19
 1,1-Dichloroethane
 Concen: 0.165 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040383.D
 Acq: 30 Sep 2020 01:07

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0F5

Tot Ion: 63 Resp: 3313
 Ion Ratio Lower Upper
 63 100
 65 27.1 21.7 40.3
 83 0.0 9.1 16.9#

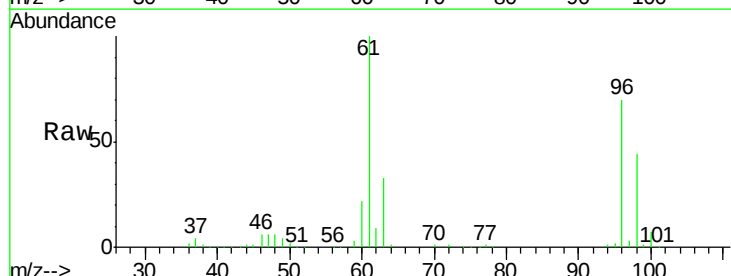


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

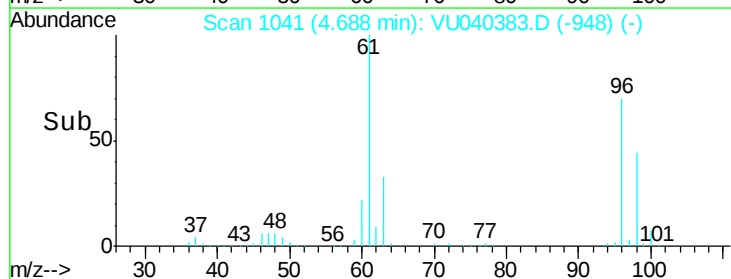
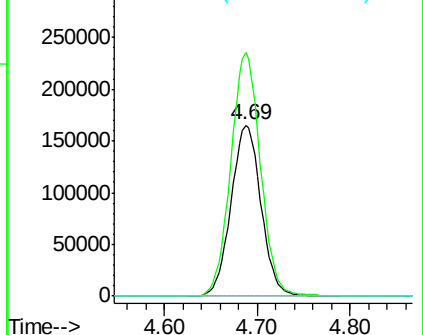


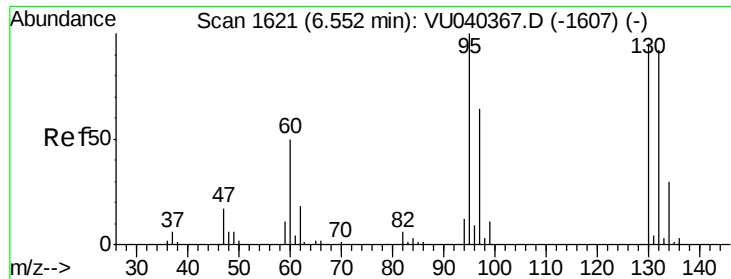
#22
 cis-1,2-Dichloroethene
 Concen: 34.183 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040383.D
 Acq: 30 Sep 2020 01:07

Tgt Ion: 96 Resp: 370149
 Ion Ratio Lower Upper
 96 100
 61 142.5 99.3 184.5
 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

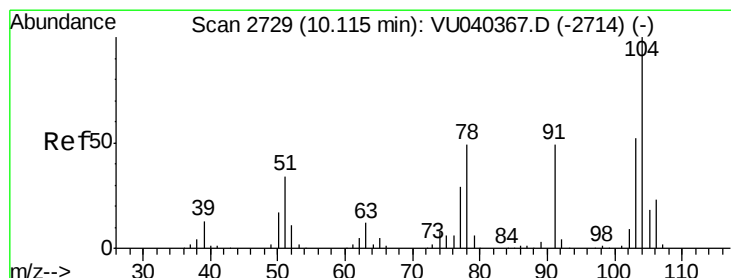
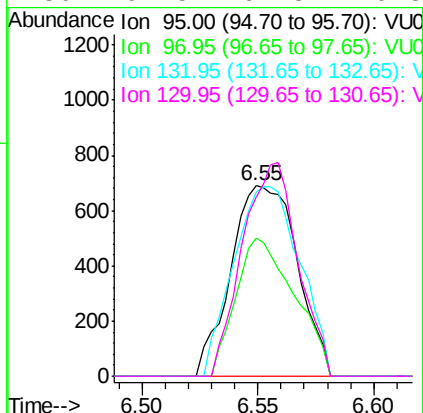
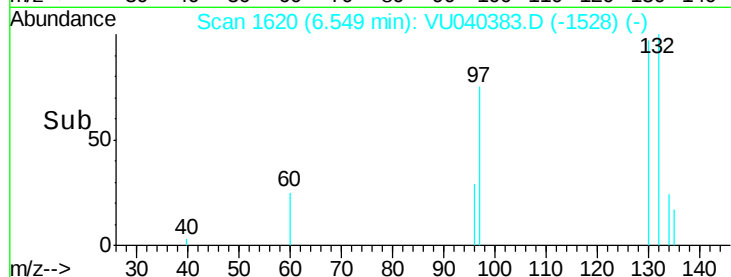
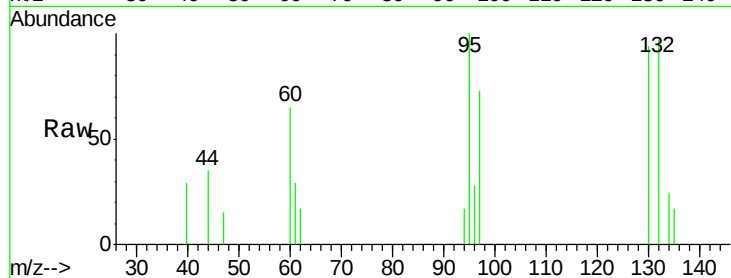




#34
 Trichloroethene
 Concen: 0.122 ug/L
 RT: 6.55 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VU040383.D
 Acq: 30 Sep 2020 01:07

Instrument :
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 BG0F5

Tot Ion: 95 Resp: 1369
 Ion Ratio Lower Upper
 95 100
 97 72.9 46.3 85.9
 132 97.1 60.5 112.3
 130 94.5 64.3 119.3



#55
 Styrene
 Concen: 0.046 ug/L
 RT: 10.12 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VU040383.D
 Acq: 30 Sep 2020 01:07

Tgt Ion: 104 Resp: 1336
 Ion Ratio Lower Upper
 104 100
 78 40.0 34.4 63.8

