

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112320\
 Data File : VU041401.D
 Acq On : 23 Nov 2020 20:38
 Operator : SY/MD
 Sample : L4849-10DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4400DL

Quant Time: Nov 24 03:06:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 24 01:52:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	66247	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	68357	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	29183	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23735	5.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.00%
7) Chloroethane-d5	1.92	69	16428	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.58	63	35397	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	4.66	46	73798	62.22	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.44%
24) Chloroform-d	5.08	84	46921	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.72	65	28713	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.74	84	78554	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.70	67	28433	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.91	98	72533	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	8.19	79	11726	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.64	63	45031	56.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.94%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23450	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	26679	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

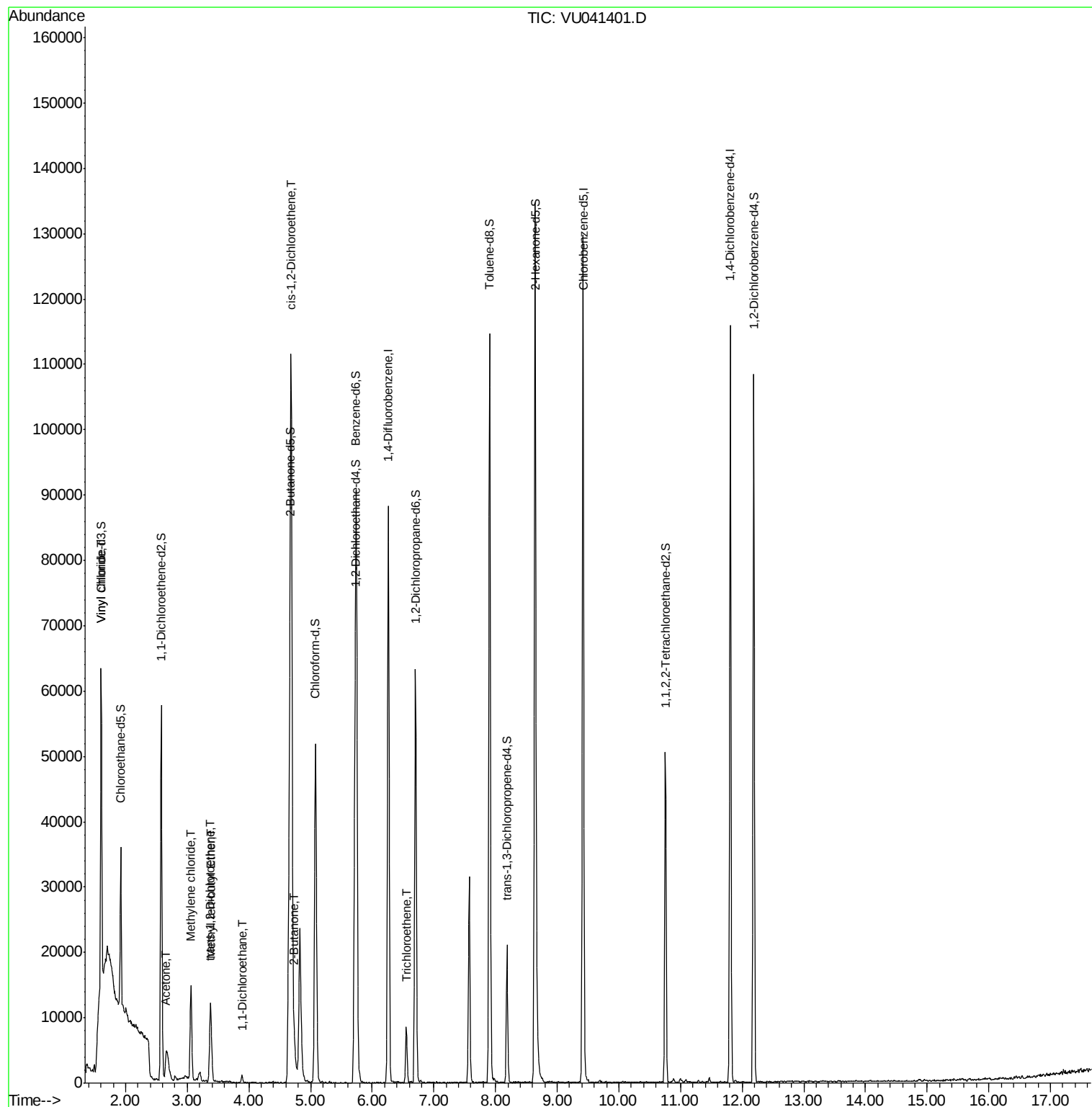
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	7860	1.358	ug/L #	1
13) Acetone	2.66	43	11947	14.903	ug/L	87
16) Methylene chloride	3.06	84	6724	1.153	ug/L	97
17) Methyl tert-butyl Ether	3.38	73	11288	1.111	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	1012	0.229	ug/L	92
19) 1,1-Dichloroethane	3.89	63	1604	0.182	ug/L	99
21) 2-Butanone	4.74	43	5852	4.596	ug/L #	62
22) cis-1,2-Dichloroethene	4.68	96	43837	9.318	ug/L	97
34) Trichloroethene	6.56	95	3040	0.609	ug/L	97

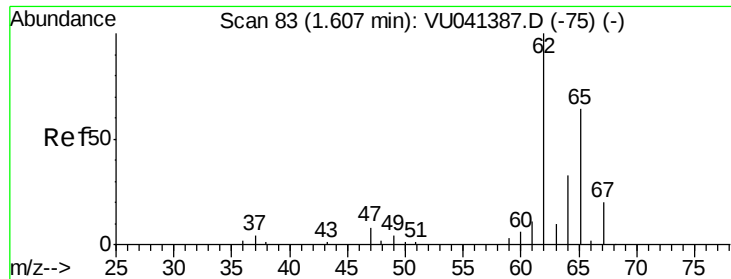
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.358 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041401.D

Acq: 23 Nov 2020 20:38

Instrument :

MSVOA_U

ClientSampleID :

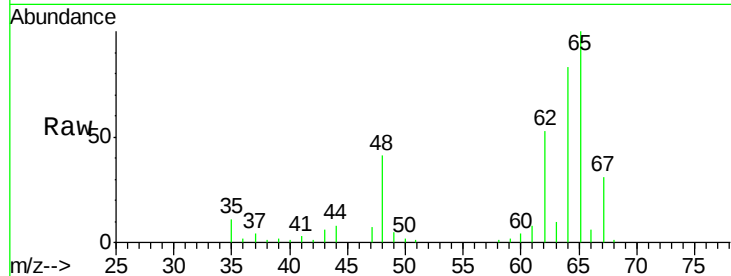
H4400DL

Tot Ion: 62 Resp: 7860

Ion Ratio Lower Upper

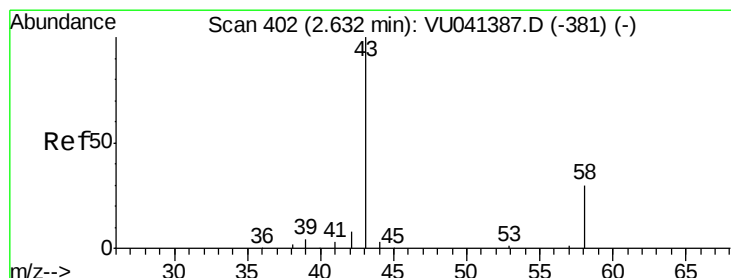
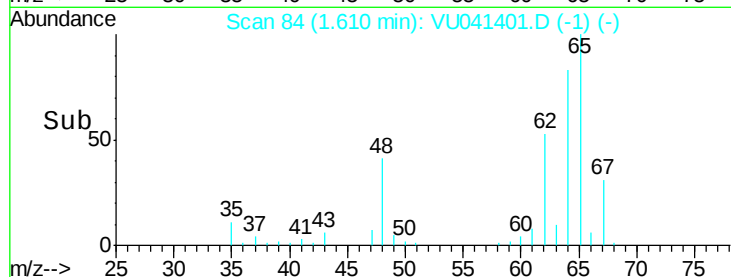
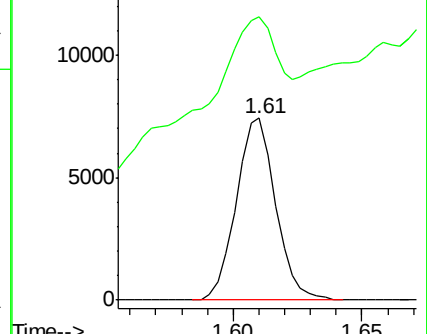
62 100

64 155.6 23.8 44.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#13

Acetone

Concen: 14.903 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.03 min

Lab File: VU041401.D

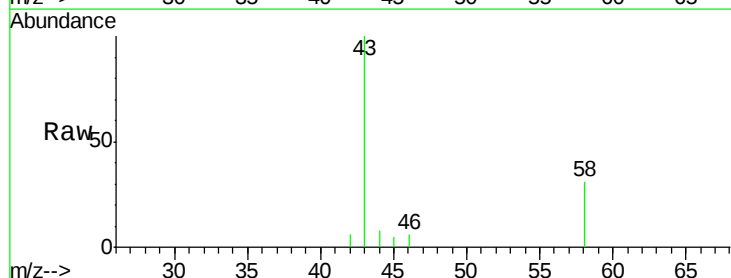
Acq: 23 Nov 2020 20:38

Tgt Ion: 43 Resp: 11947

Ion Ratio Lower Upper

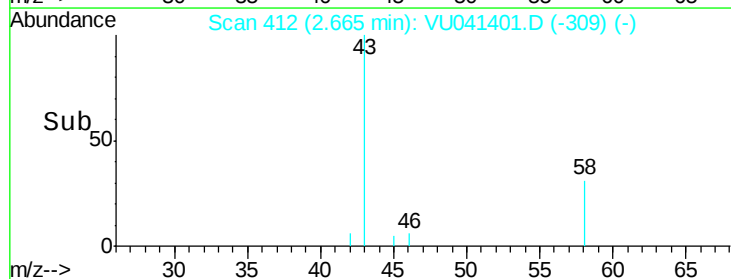
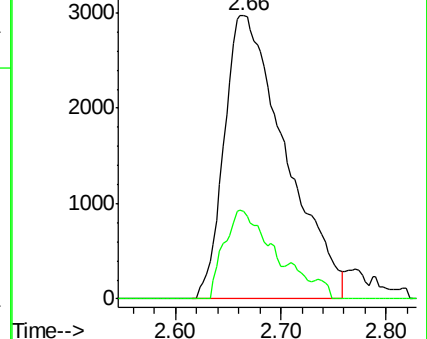
43 100

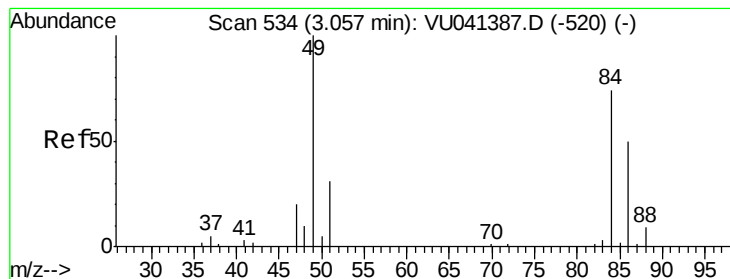
58 22.2 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#16

Methylene chloride

Concen: 1.153 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041401.D

Acq: 23 Nov 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

H4400DL

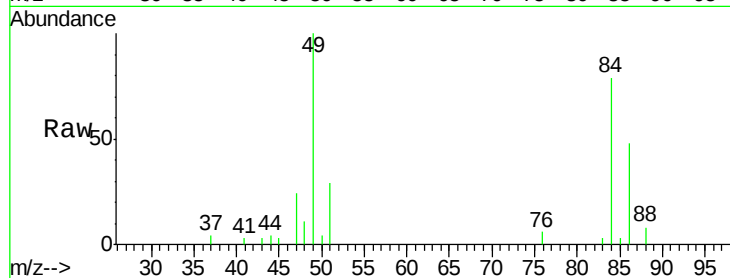
Tot Ion: 84 Resp: 6724

Ion Ratio Lower Upper

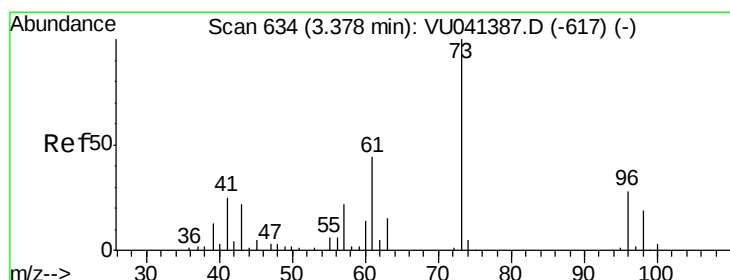
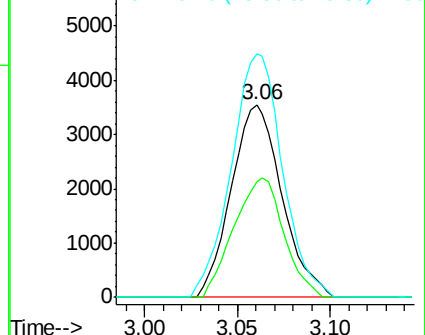
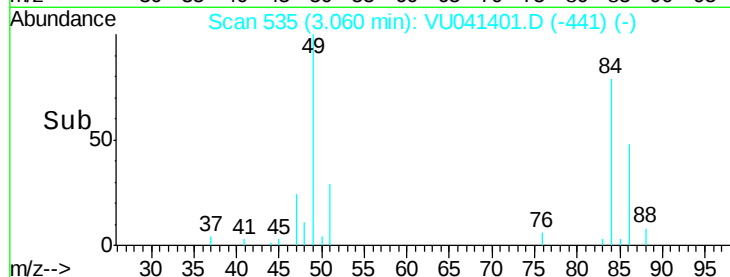
84 100

86 59.9 44.4 82.5

49 126.2 89.9 167.0



Abundance Ion 84.05 (83.75 to 84.75): VU041401.D (-441) (-)



#17

Methyl tert-butyl Ether

Concen: 1.111 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU041401.D

Acq: 23 Nov 2020 20:38

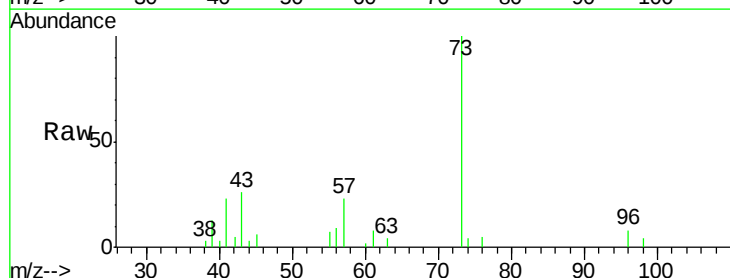
Tgt Ion: 73 Resp: 11288

Ion Ratio Lower Upper

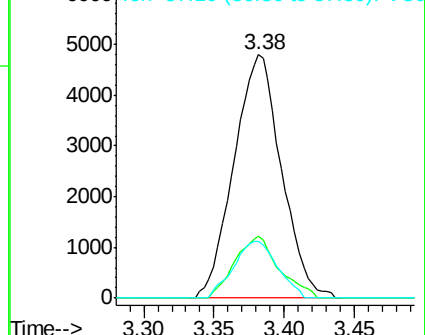
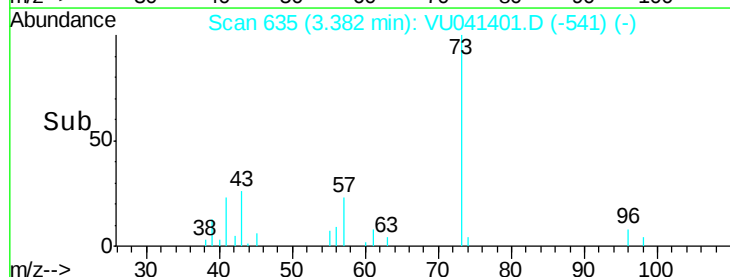
73 100

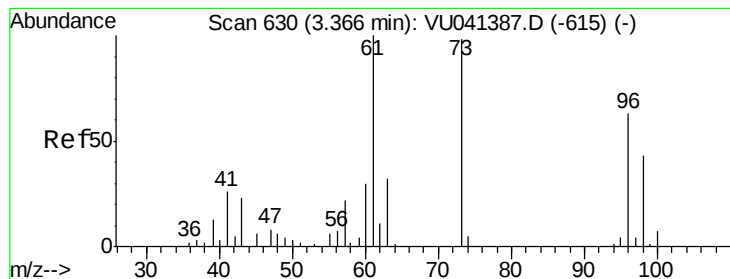
43 23.6 18.3 27.5

57 21.6 17.7 26.5



Abundance Ion 73.10 (72.80 to 73.80): VU041401.D (-541) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.229 ug/L

RT: 3.37 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU041401.D

Acq: 23 Nov 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

H4400DL

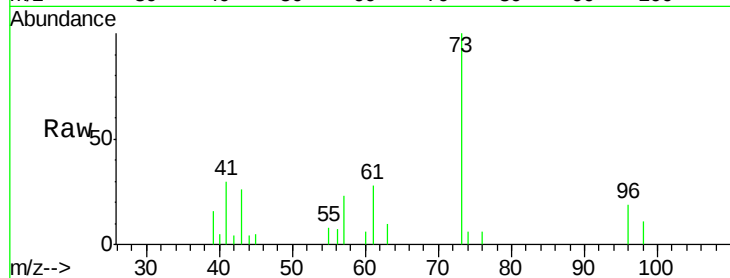
Tot Ion: 96 Resp: 1012

Ion Ratio Lower Upper

96 100

61 142.8 103.7 192.5

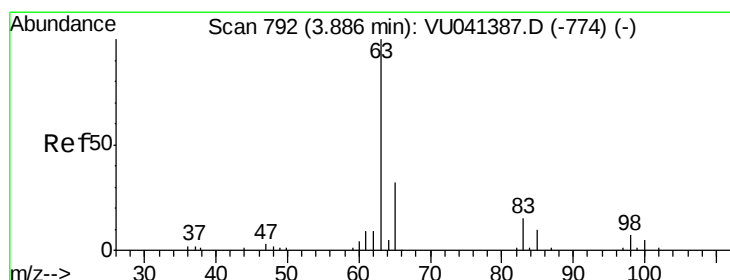
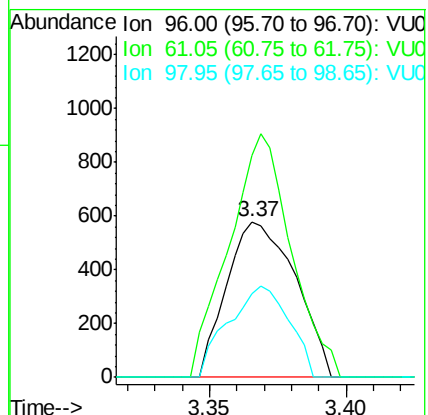
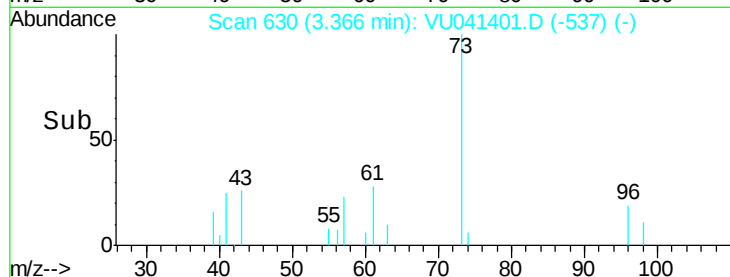
98 54.1 47.5 88.3



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: 0.182 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041401.D

Acq: 23 Nov 2020 20:38

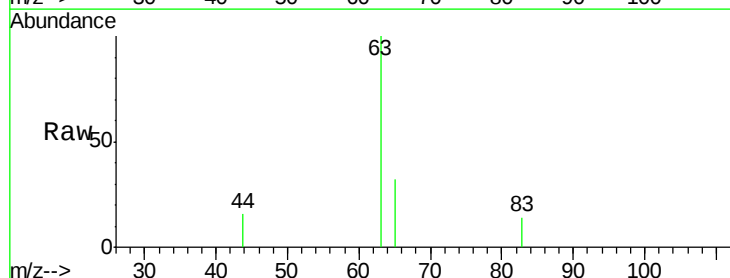
Tgt Ion: 63 Resp: 1604

Ion Ratio Lower Upper

63 100

65 32.4 23.0 42.8

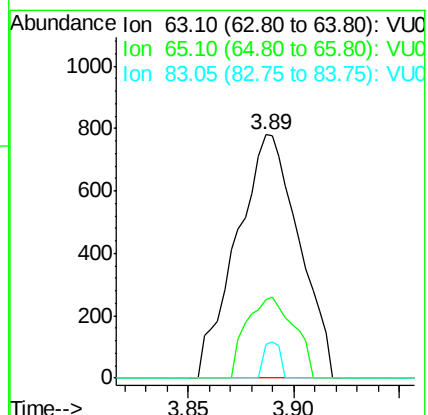
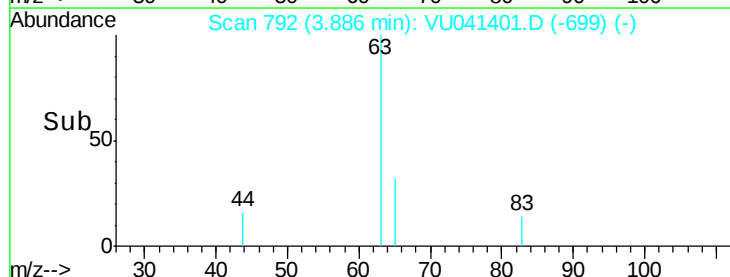
83 13.7 9.4 17.4

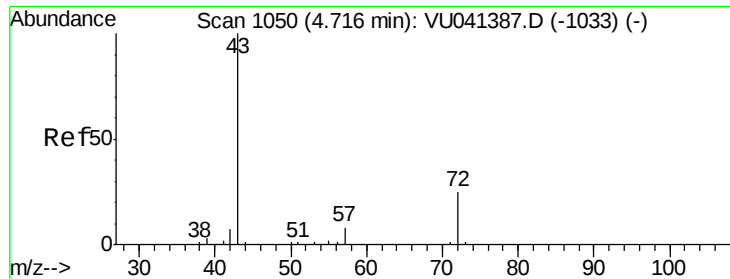


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0

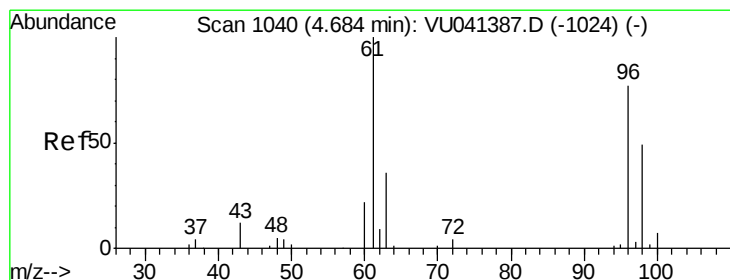
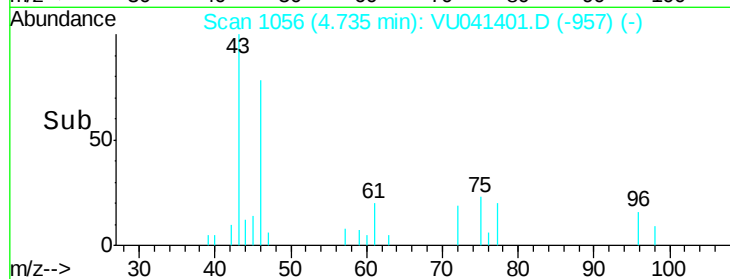
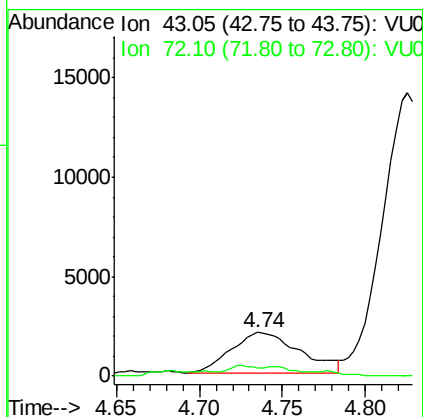
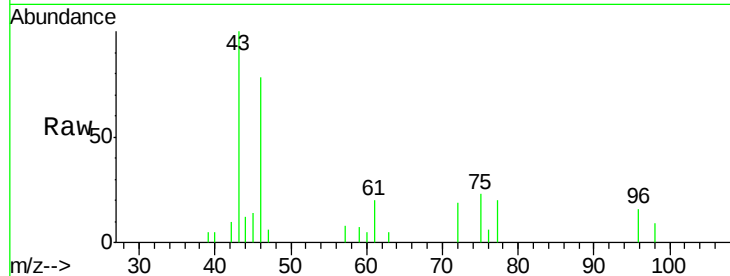




#21
 2-Butanone
 Concen: 4.596 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VU041401.D
 Acq: 23 Nov 2020 20:38

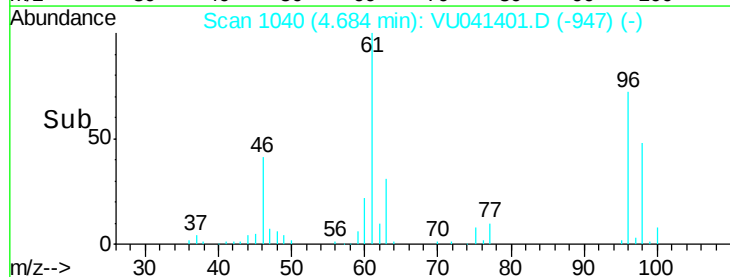
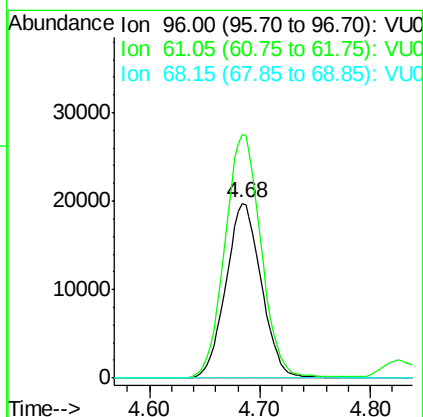
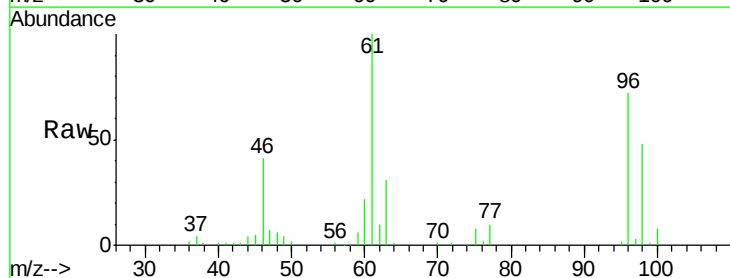
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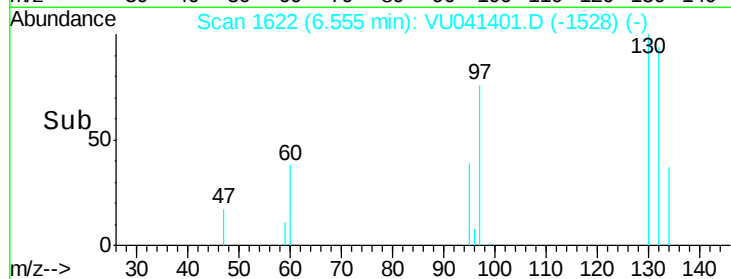
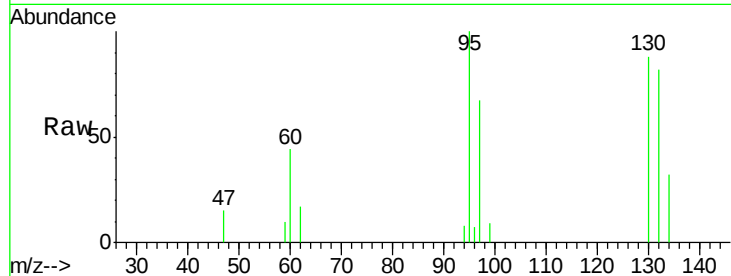
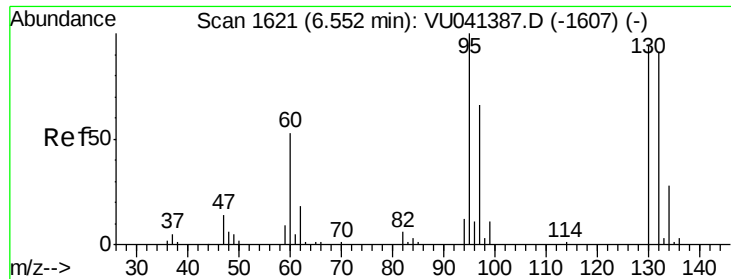
Tot Ion: 43 Resp: 5852
 Ion Ratio Lower Upper
 43 100
 72 5.8 12.6 37.6#



#22
 cis-1,2-Dichloroethene
 Concen: 9.318 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041401.D
 Acq: 23 Nov 2020 20:38

Tgt Ion: 96 Resp: 43837
 Ion Ratio Lower Upper
 96 100
 61 139.4 95.3 176.9
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 0.609 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041401.D

Acq: 23 Nov 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

H4400DL

Tot Ion: 95 Resp: 3040

Ion Ratio Lower Upper

95 100

97 66.8 46.5 86.5

132 82.2 60.8 113.0

130 87.7 63.3 117.7

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

