

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112320\
 Data File : VU041403.D
 Acq On : 23 Nov 2020 21:26
 Operator : SY/MD
 Sample : L4849-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4423

Quant Time: Nov 24 03:21:47 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	66144	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	68530	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	29905	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	21462	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	1.92	69	15798	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.58	63	36260	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.60%
20) 2-Butanone-d5	4.67	46	73367	61.95	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.90%
24) Chloroform-d	5.08	84	44483	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.72	65	28742	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.74	84	76499	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.70	67	26758	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.91	98	69210	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	8.19	79	11568	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.64	63	43362	54.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.44%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23201	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	26773	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

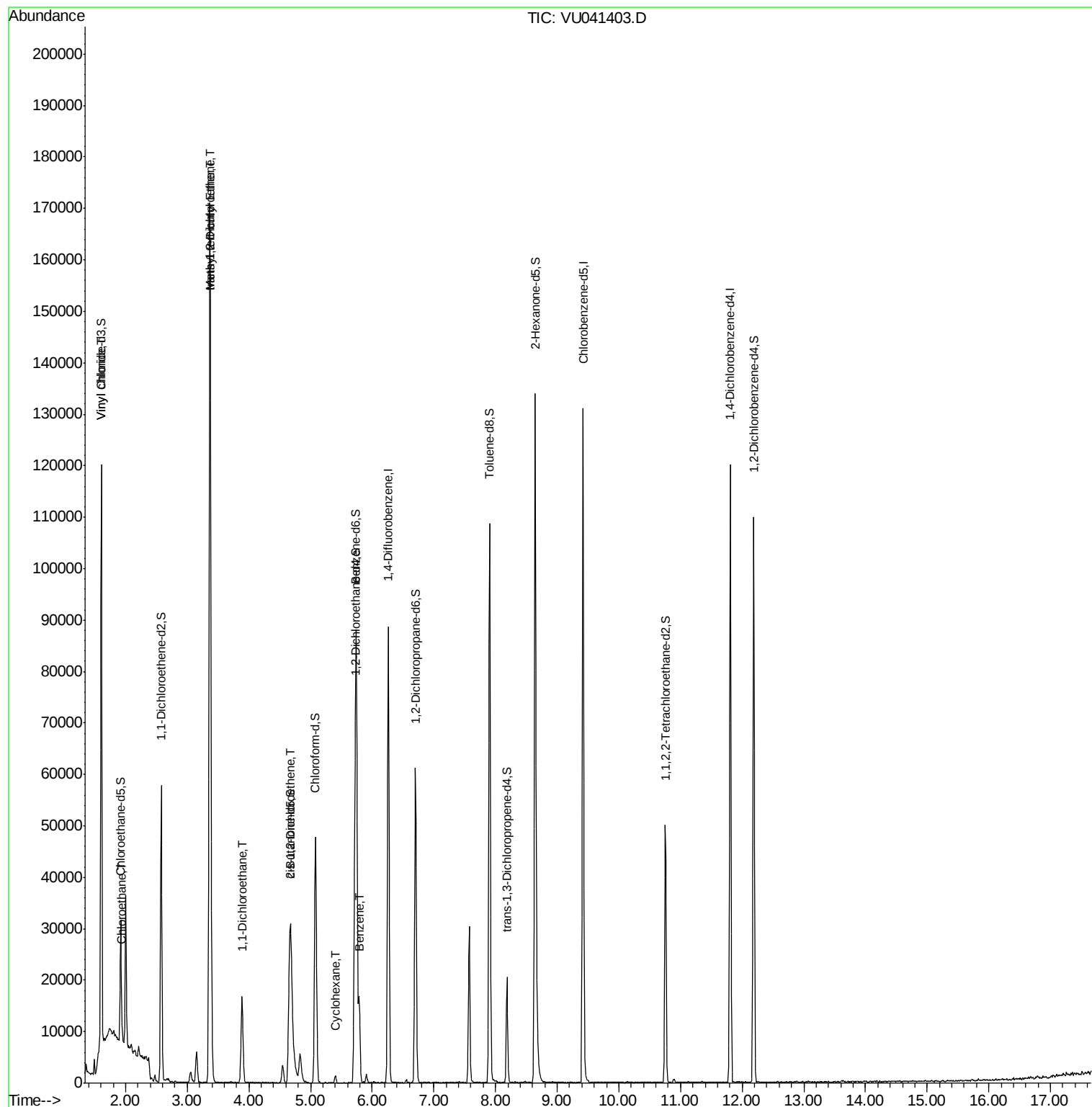
					Ovalue
5) Vinyl chloride	1.61	62	46402	8.028 ug/L	83
8) Chloroethane	1.94	64	1779	0.543 ug/L #	54
17) Methyl tert-butyl Ether	3.38	73	17472	1.723 ug/L #	88
18) trans-1,2-Dichloroethene	3.37	96	62041	14.045 ug/L	97
19) 1,1-Dichloroethane	3.89	63	19474	2.216 ug/L	95
22) cis-1,2-Dichloroethene	4.68	96	2999	0.638 ug/L	83
30) Cyclohexane	5.40	56	818	0.112 ug/L #	81
33) Benzene	5.79	78	15388	0.837 ug/L	100

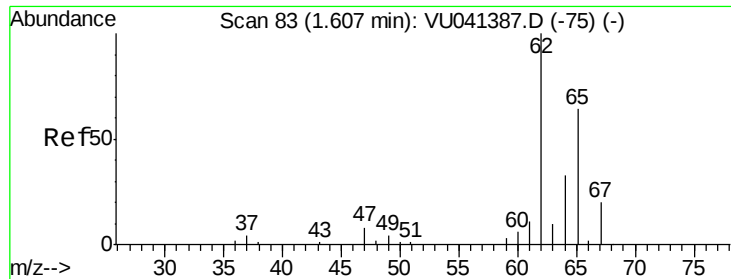
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 8.028 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041403.D

Acq: 23 Nov 2020 21:26

Instrument :

MSVOA_U

ClientSampleId :

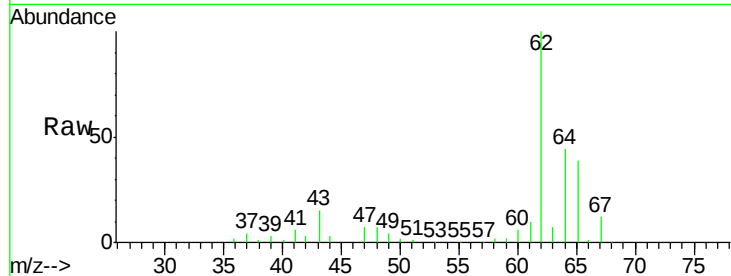
H4423

Tot Ion: 62 Resp: 46402

Ion Ratio Lower Upper

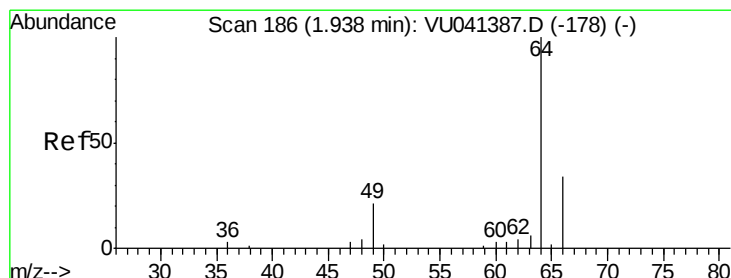
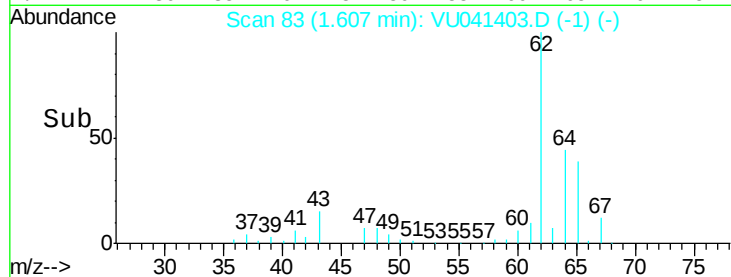
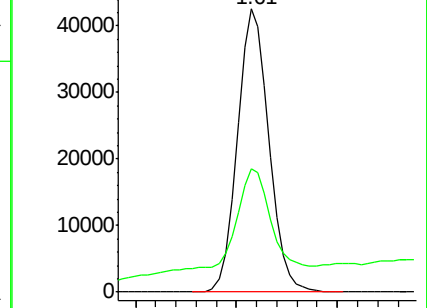
62 100

64 43.7 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.543 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041403.D

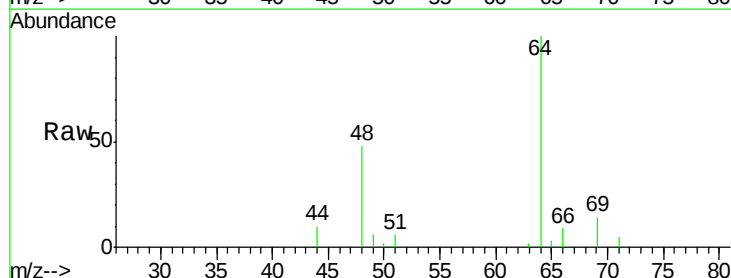
Acq: 23 Nov 2020 21:26

Tgt Ion: 64 Resp: 1779

Ion Ratio Lower Upper

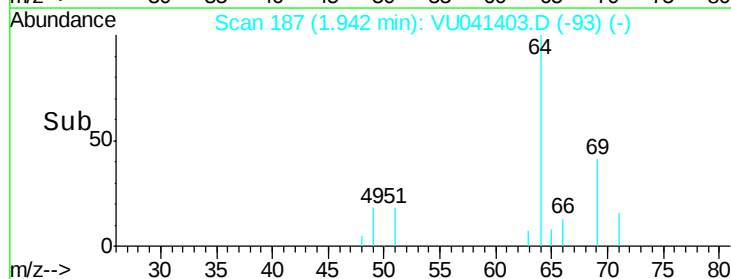
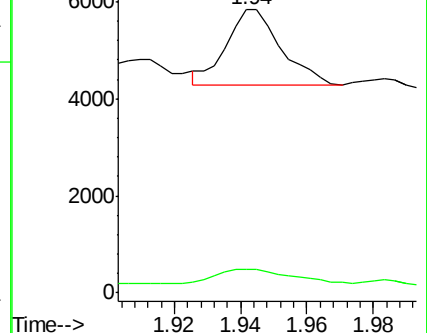
64 100

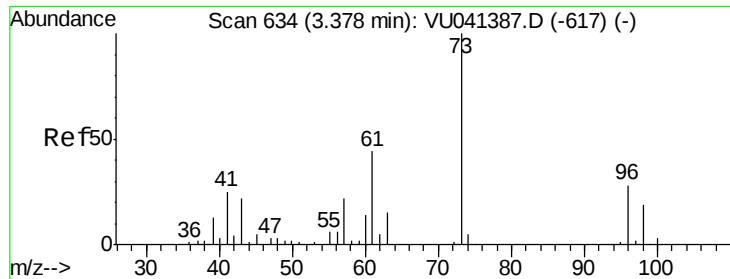
66 8.5 24.6 45.8#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

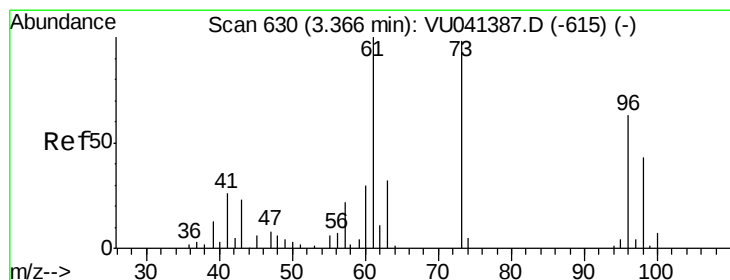
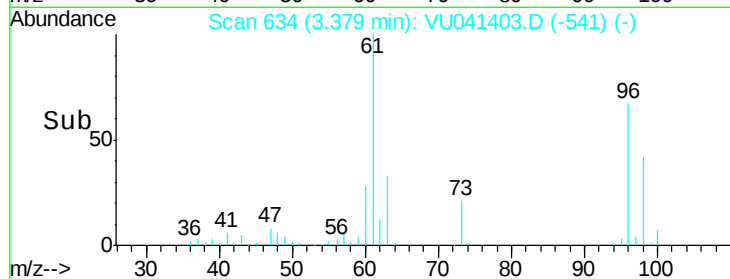
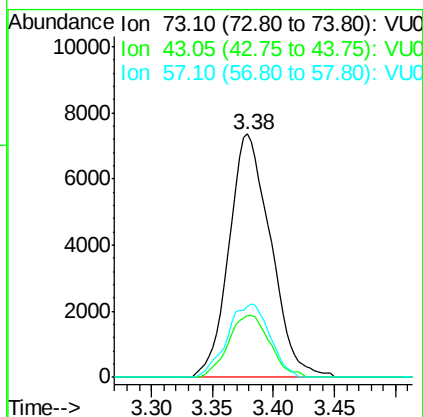
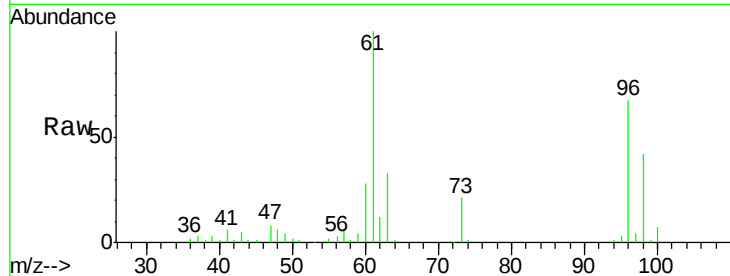




#17
Methvl tert-butvl Ether
Concen: 1.723 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041403.D
Acq: 23 Nov 2020 21:26

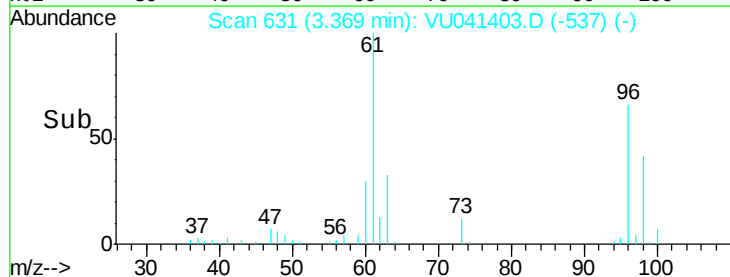
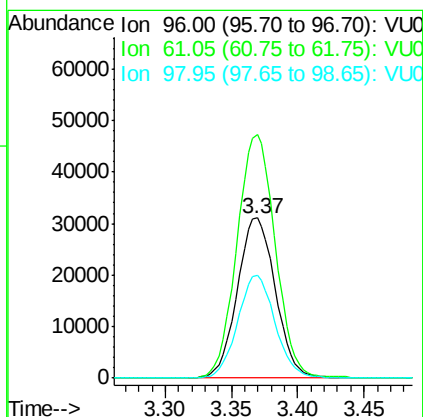
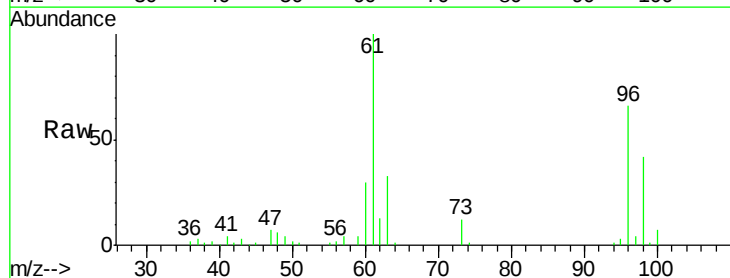
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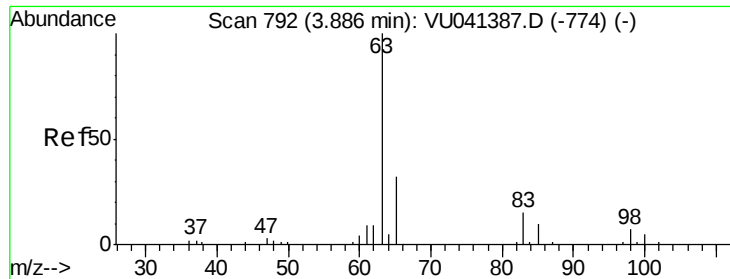
Tot Ion: 73 Resp: 17472
Ion Ratio Lower Upper
73 100
43 25.4 18.3 27.5
57 30.7 17.7 26.5#



#18
trans-1,2-Dichloroethene
Concen: 14.045 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041403.D
Acq: 23 Nov 2020 21:26

Tgt Ion: 96 Resp: 62041
Ion Ratio Lower Upper
96 100
61 151.9 103.7 192.5
98 64.5 47.5 88.3





#19

1,1-Dichloroethane

Concen: 2.216 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041403.D

Acq: 23 Nov 2020 21:26

Instrument :

MSVOA_U

ClientSampleId :

H4423

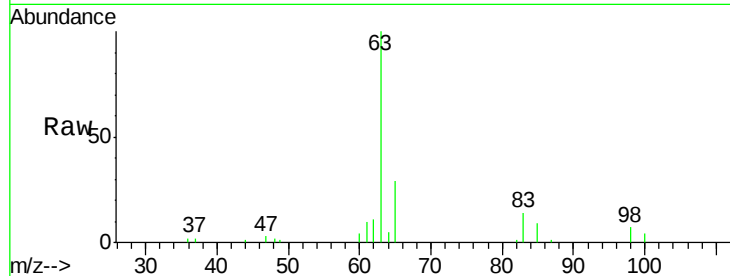
Tot Ion: 63 Resp: 19474

Ion Ratio Lower Upper

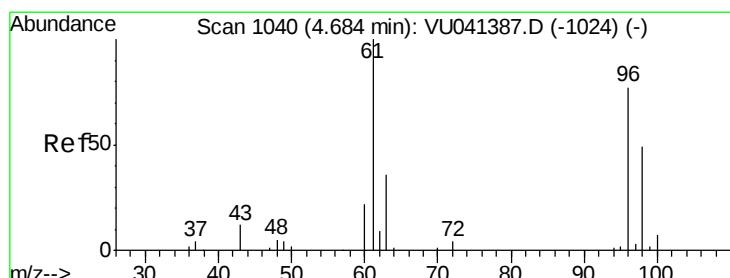
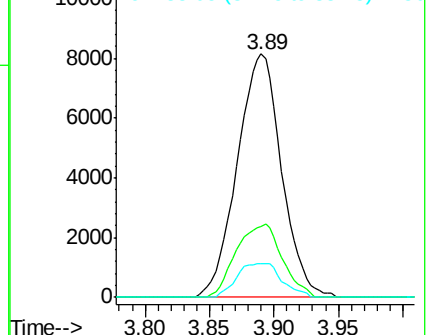
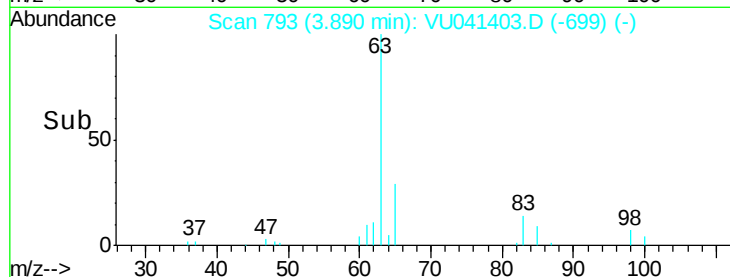
63 100

65 29.3 23.0 42.8

83 14.1 9.4 17.4



Abundance Ion 63.10 (62.80 to 63.80): VU041403.D (-699) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.638 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041403.D

Acq: 23 Nov 2020 21:26

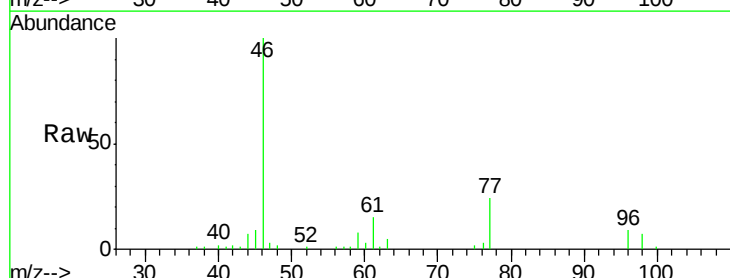
Tgt Ion: 96 Resp: 2999

Ion Ratio Lower Upper

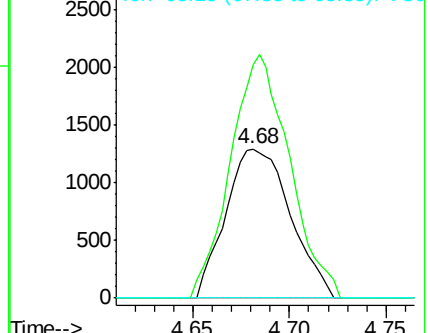
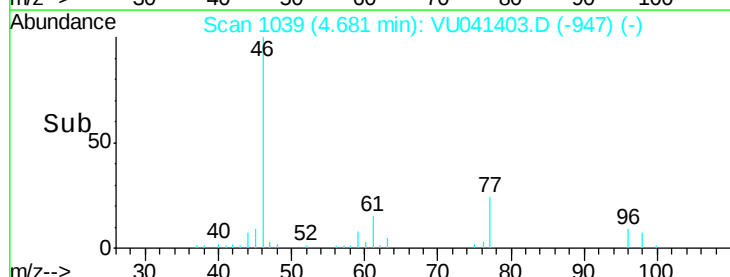
96 100

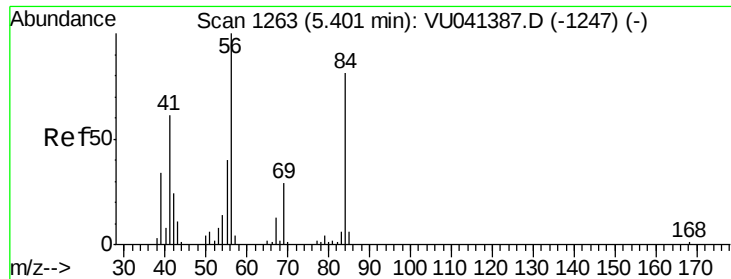
61 156.5 95.3 176.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041403.D (-947) (-)

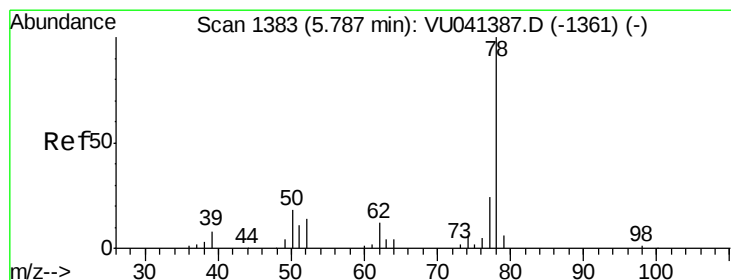
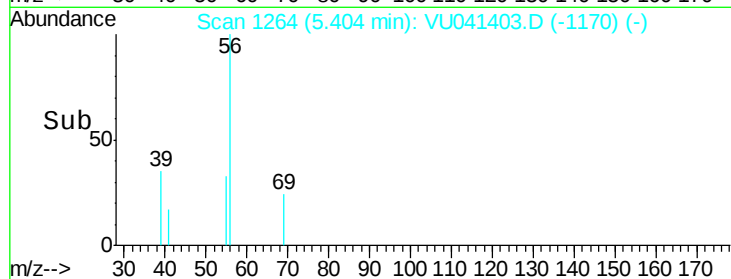
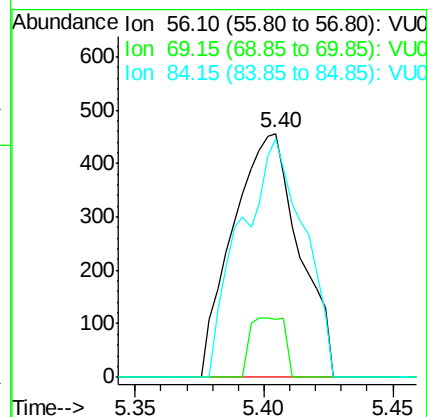
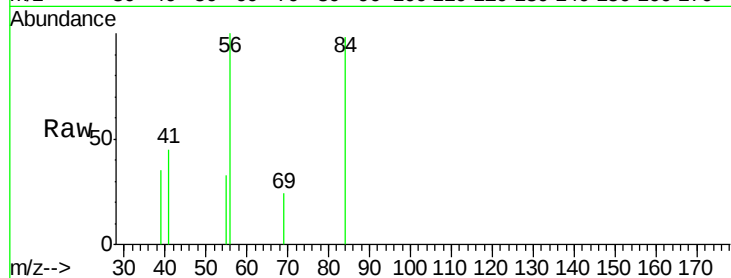




#30
Cyclohexane
Concen: 0.112 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041403.D
Acq: 23 Nov 2020 21:26

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Tot Ion: 56 Resp: 818
Ion Ratio Lower Upper
56 100
69 12.8 23.8 35.6#
84 93.5 64.6 97.0



#33
Benzene
Concen: 0.837 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041403.D
Acq: 23 Nov 2020 21:26

Tgt Ion: 78 Resp: 15388

