

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081720\
 Data File : VU039887.D
 Acq On : 17 Aug 2020 15:03
 Operator : SY/MD
 Sample : L3517-10DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4M12DL

Quant Time: Aug 18 04:26:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 18 04:18:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	80194	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	81000	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	36699	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17517	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.92	69	21204	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.58	63	26221	3.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.20%
20) 2-Butanone-d5	4.65	46	104690	54.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.94%
24) Chloroform-d	5.08	84	47476	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.72	65	29248	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.74	84	85245	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.70	67	31873	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.91	98	67609	3.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.00%
43) trans-1,3-Dichloropropene-	8.19	79	11922	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.64	63	76031	55.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.06%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	29459	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	32022	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

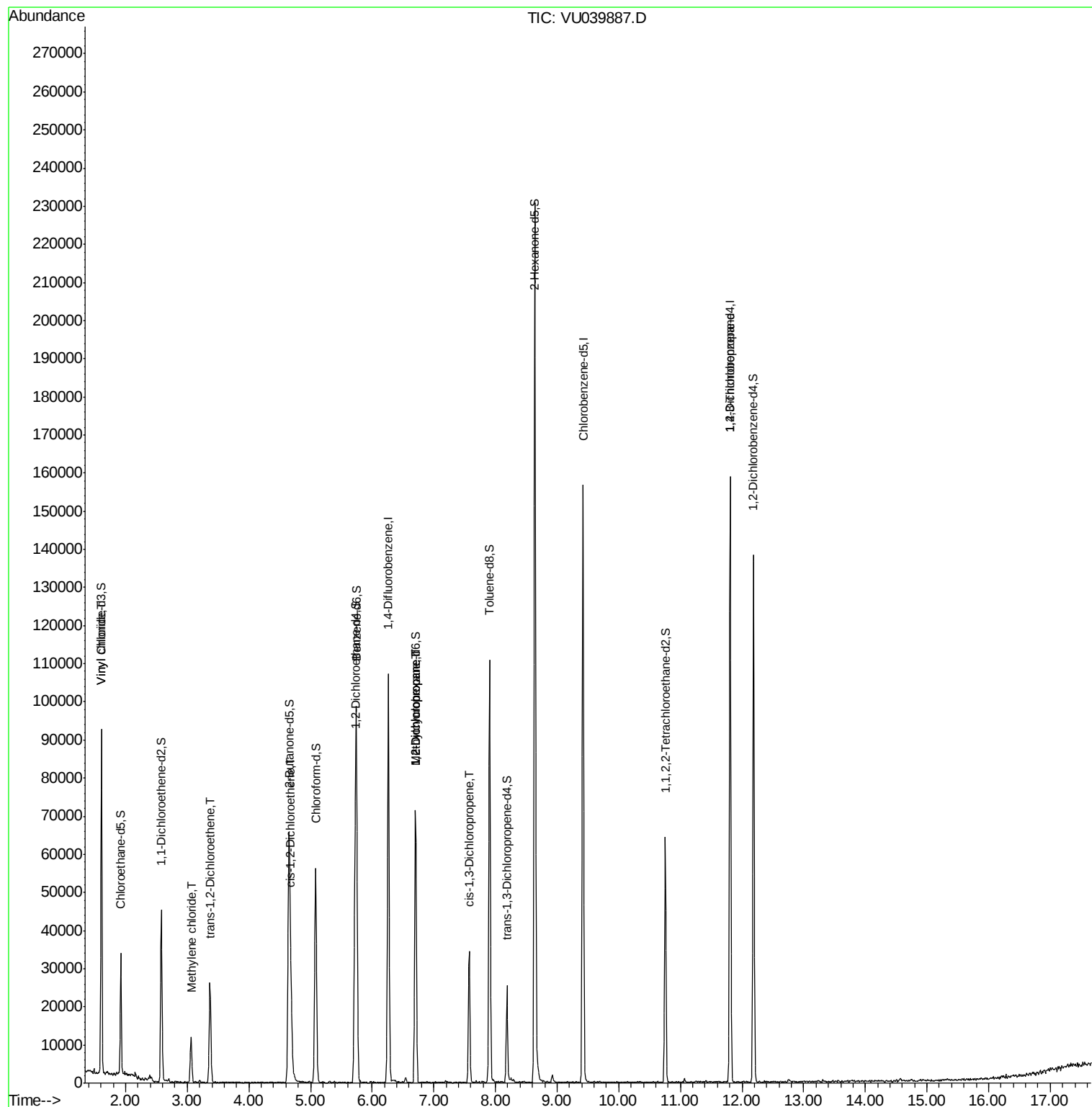
					Ovalue
5) Vinyl chloride	1.61	62	43162	6.620 ug/L	91
16) Methylene chloride	3.06	84	5110	0.663 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	10250	1.925 ug/L	89
22) cis-1,2-Dichloroethene	4.68	96	3325	0.574 ug/L	78
35) Methylcyclohexane	6.70	83	7367	0.805 ug/L #	20
37) 1,2-Dichloropropane	6.70	63	3563	0.608 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	896	0.112 ug/L #	67
59) 1,2,3-Trichloropropane	11.81	75	5970	1.412 ug/L	94

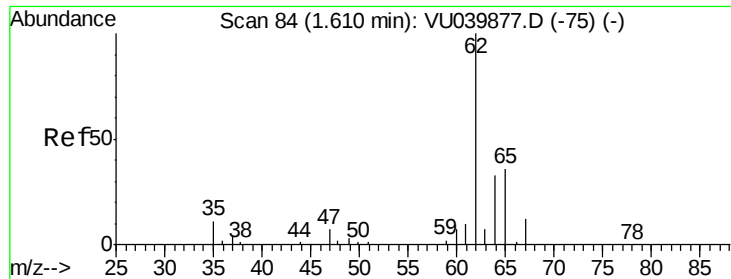
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 6.620 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039887.D

Acq: 17 Aug 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

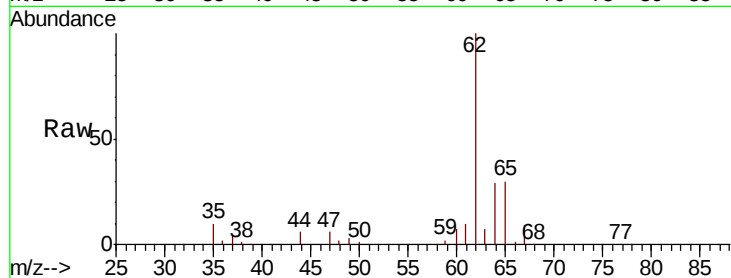
F4M12DL

Tot Ion: 62 Resp: 43162

Ion Ratio Lower Upper

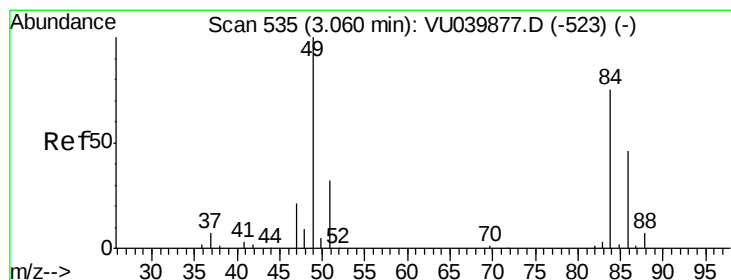
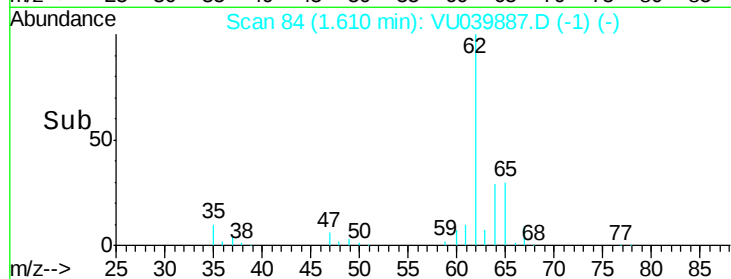
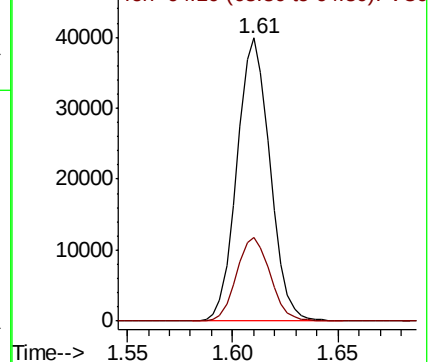
62 100

64 29.4 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#16

Methylene chloride

Concen: 0.663 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039887.D

Acq: 17 Aug 2020 15:03

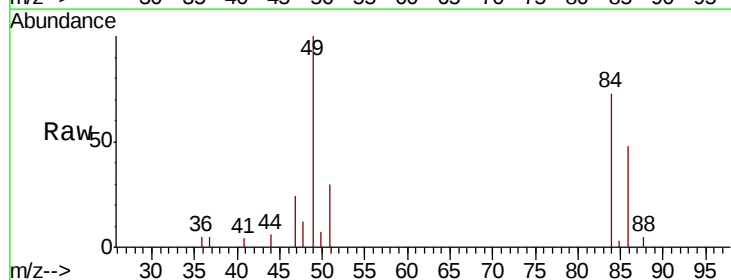
Tgt Ion: 84 Resp: 5110

Ion Ratio Lower Upper

84 100

86 65.3 43.9 81.5

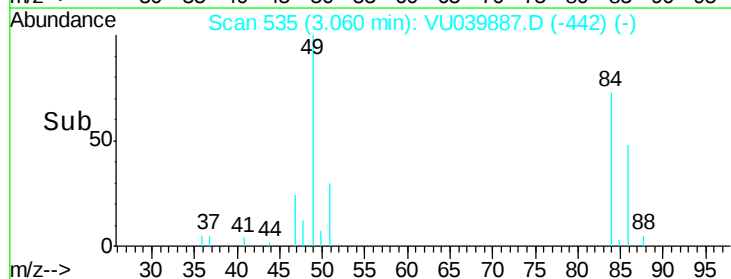
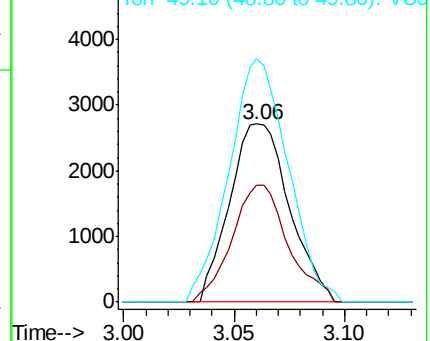
49 136.6 94.4 175.4

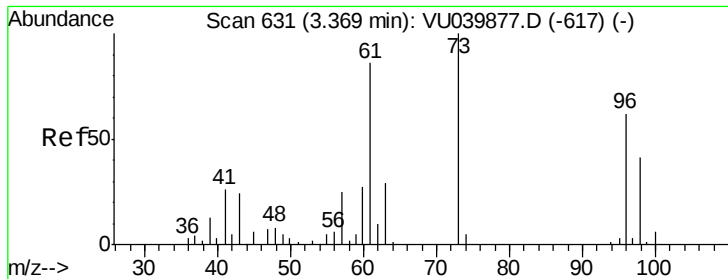


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

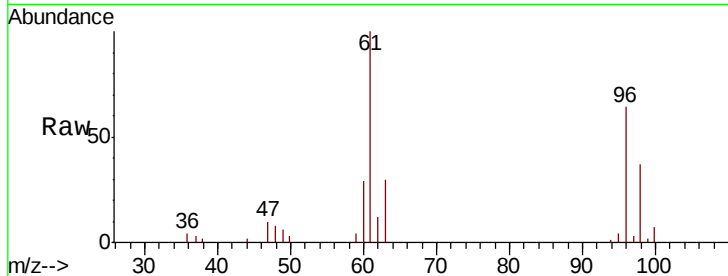




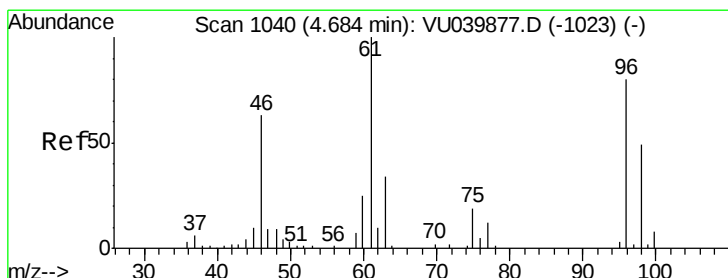
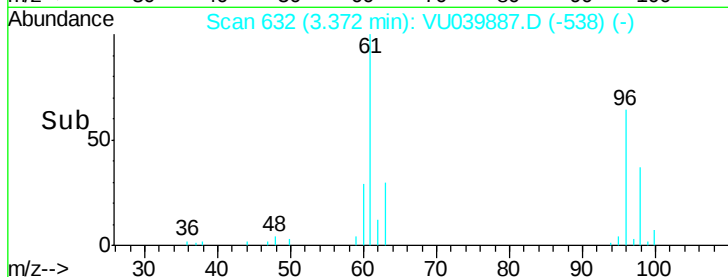
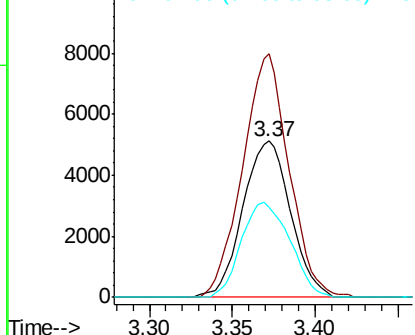
#18
 trans-1,2-Dichloroethene
 Concen: 1.925 ug/L
 RT: 3.37 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VU039887.D
 Acq: 17 Aug 2020 15:03

Instrument :
 MSVOA_U
 ClientSampleID :
 F4M12DL

Tot Ion: 96 Resp: 10250
 Ion Ratio Lower Upper
 96 100
 61 155.6 96.5 179.1
 98 57.8 40.9 76.0

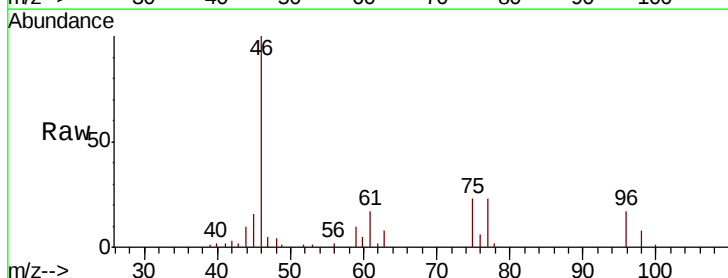


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

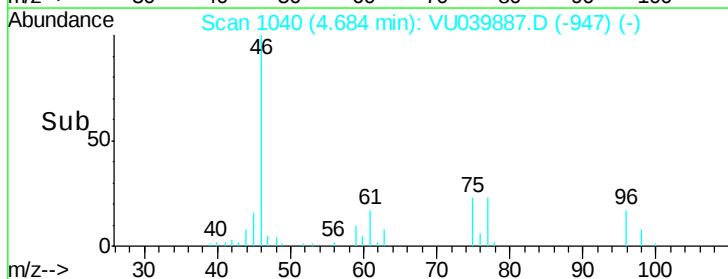
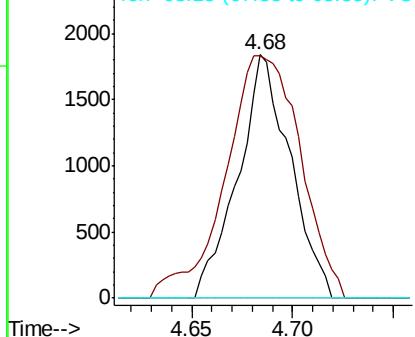


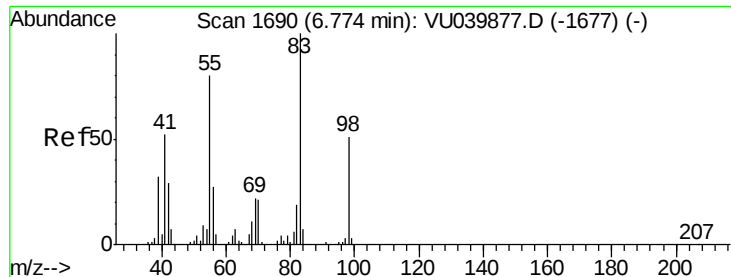
#22
 cis-1,2-Dichloroethene
 Concen: 0.574 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039887.D
 Acq: 17 Aug 2020 15:03

Tgt Ion: 96 Resp: 3325
 Ion Ratio Lower Upper
 96 100
 61 99.8 87.4 162.2
 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

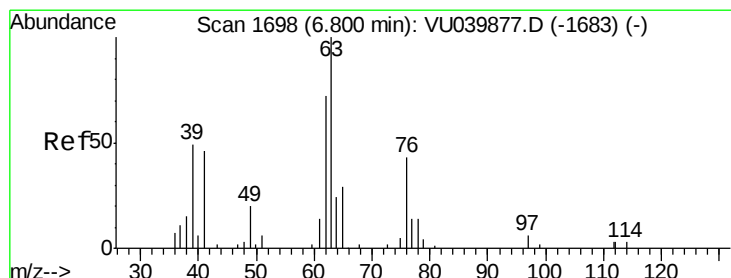
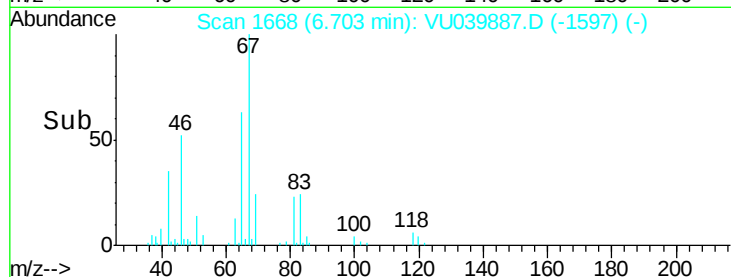
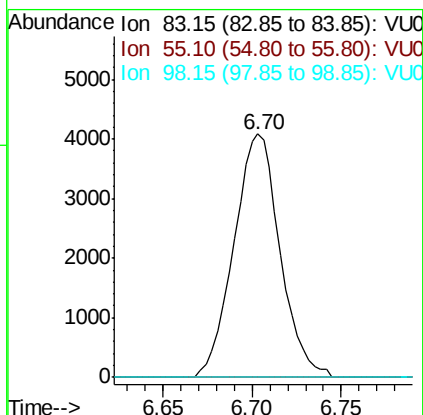
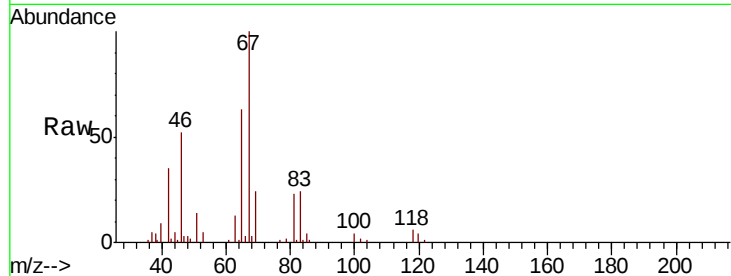




#35
Methylcyclohexane
Concen: 0.805 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039887.D
Acq: 17 Aug 2020 15:03

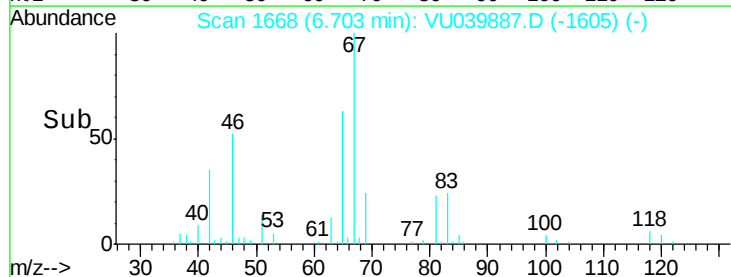
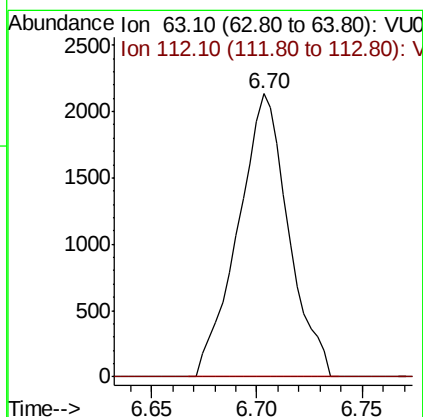
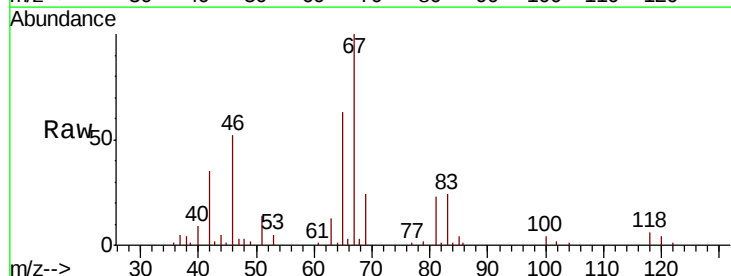
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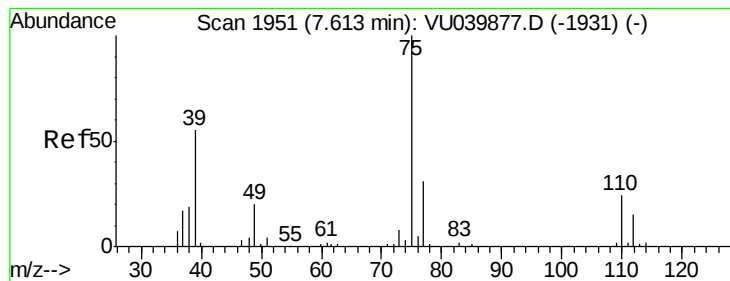
Tot Ion: 83 Resp: 7367
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.0#
98 1.4 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 0.608 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039887.D
Acq: 17 Aug 2020 15:03

Tgt Ion: 63 Resp: 3563
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.112 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU039887.D

Acq: 17 Aug 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

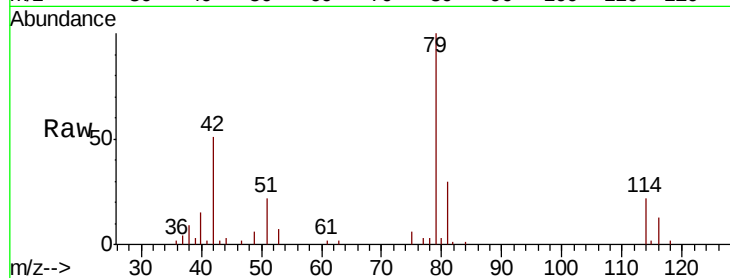
F4M12DL

Tot Ion: 75 Resp: 896

Ion Ratio Lower Upper

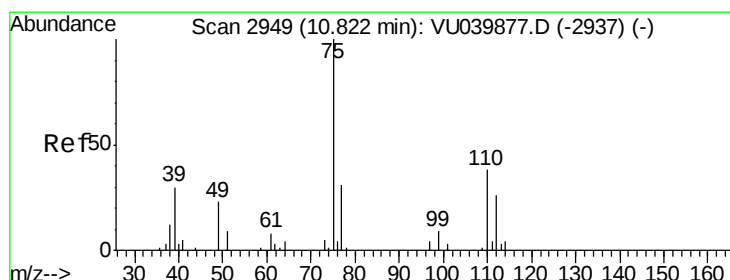
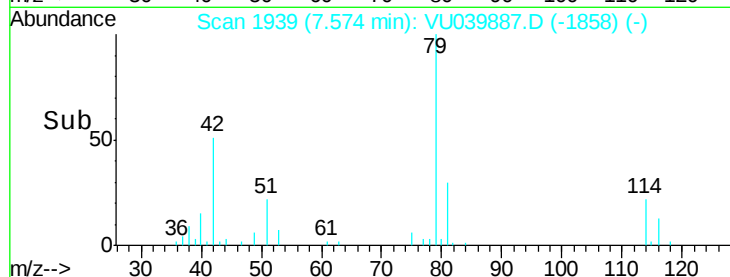
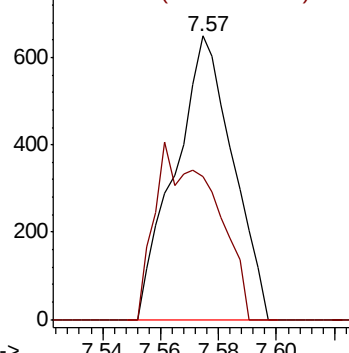
75 100

77 50.5 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane

Concen: 1.412 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039887.D

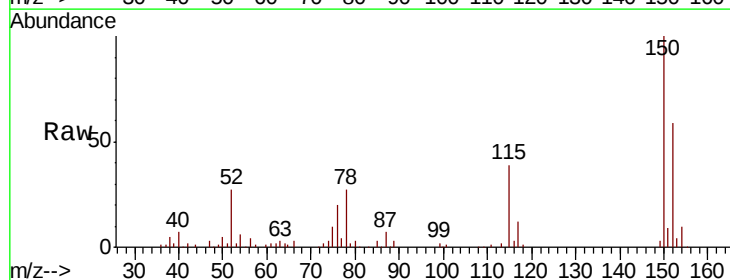
Acq: 17 Aug 2020 15:03

Tgt Ion: 75 Resp: 5970

Ion Ratio Lower Upper

75 100

77 34.0 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

