

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081720\
 Data File : VU039880.D
 Acq On : 17 Aug 2020 12:15
 Operator : SY/MD
 Sample : L3517-02DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4L32DL

Quant Time: Aug 18 04:25:46 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	75211	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	74739	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	37647	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17945	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	1.92	69	19657	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.58	63	29055	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	4.66	46	106619	59.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.38%
24) Chloroform-d	5.08	84	47838	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.72	65	30034	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.75	84	85892	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.70	67	30588	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.91	98	69331	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	8.19	79	12051	5.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.20%
46) 2-Hexanone-d5	8.64	63	75898	60.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.14%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	30396	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	32736	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

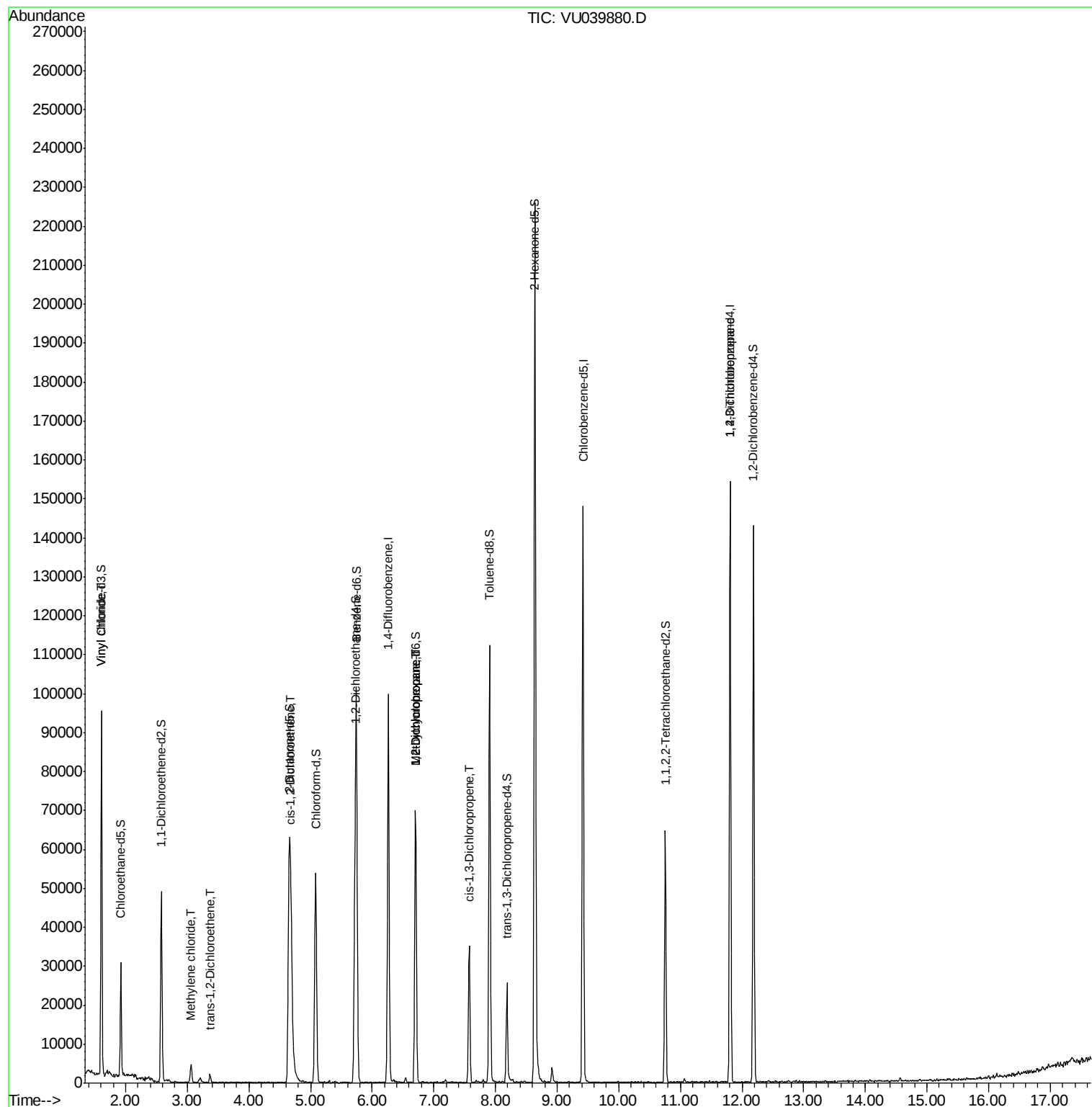
					Ovalue
5) Vinyl chloride	1.61	62	46575	7.616 ug/L	99
16) Methylene chloride	3.06	84	2080	0.288 ug/L	84
18) trans-1,2-Dichloroethene	3.36	96	795	0.159 ug/L	89
22) cis-1,2-Dichloroethene	4.69	96	6433	1.184 ug/L	96
35) Methylcyclohexane	6.71	83	7064	0.837 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	3739	0.691 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	984	0.133 ug/L #	54
59) 1,2,3-Trichloropropane	11.81	75	5197	1.332 ug/L #	81

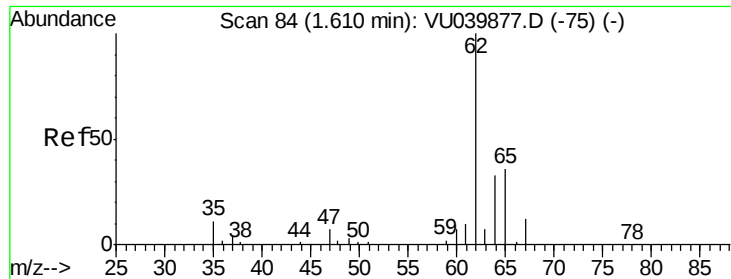
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 7.616 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039880.D

Acq: 17 Aug 2020 12:15

Instrument :

MSVOA_U

ClientSampleID :

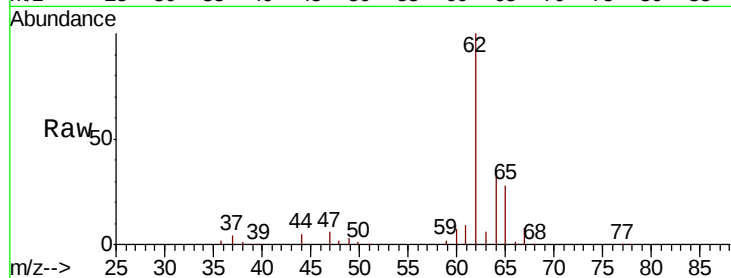
F4L32DL

Tot Ion: 62 Resp: 46575

Ion Ratio Lower Upper

62 100

64 33.6 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

40000

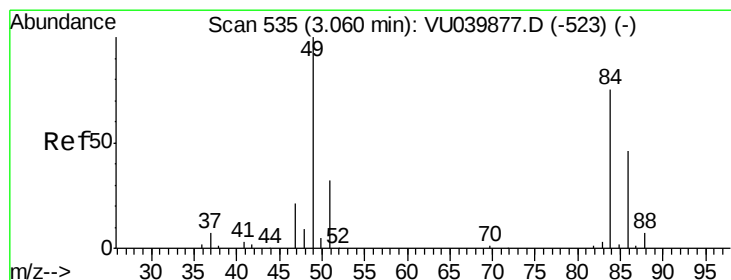
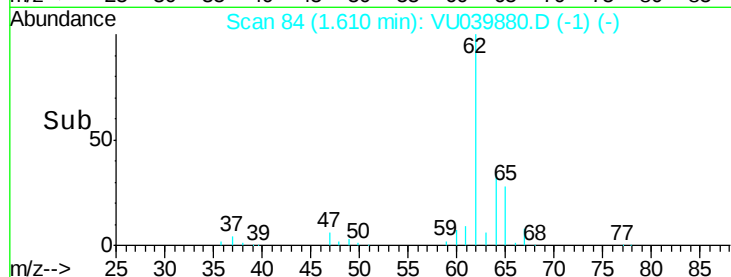
30000

20000

10000

0

Time--> 1.55 1.60 1.65



#16

Methylene chloride

Concen: 0.288 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039880.D

Acq: 17 Aug 2020 12:15

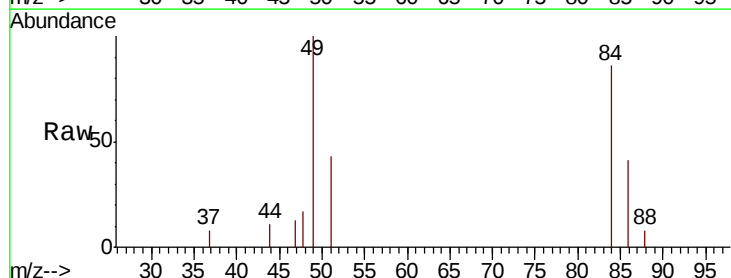
Tgt Ion: 84 Resp: 2080

Ion Ratio Lower Upper

84 100

86 48.0 43.9 81.5

49 116.8 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

2000

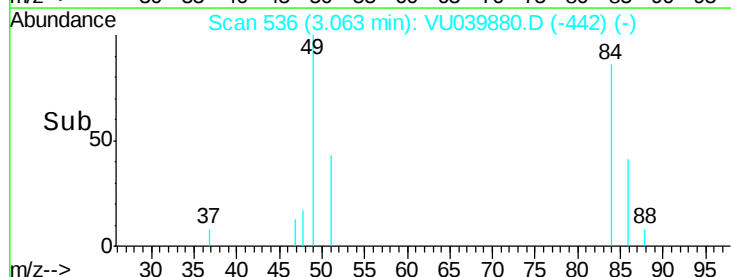
1500

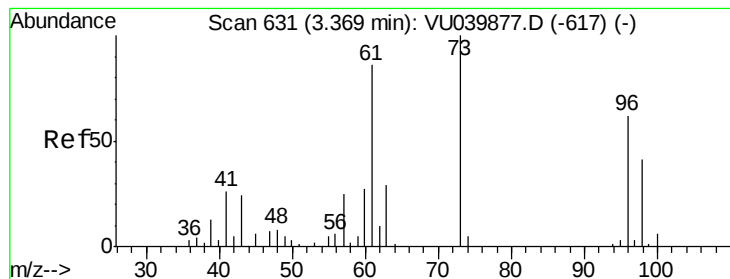
1000

500

0

Time--> 3.00 3.05 3.10





#18

trans-1,2-Dichloroethene

Concen: 0.159 ug/L

RT: 3.36 min Scan# 628

Delta R.T. -0.01 min

Lab File: VU039880.D

Acq: 17 Aug 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

F4L32DL

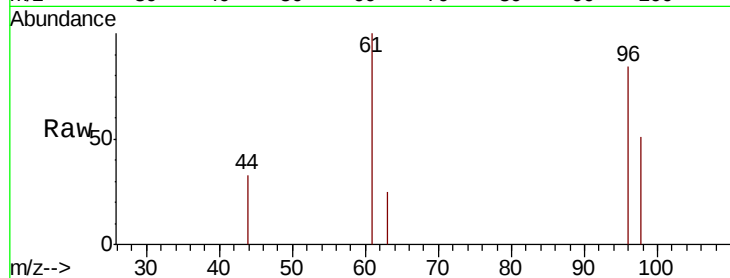
Tot Ion: 96 Resp: 795

Ion Ratio Lower Upper

96 100

61 119.8 96.5 179.1

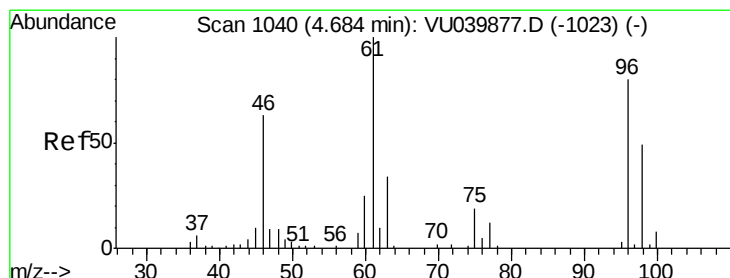
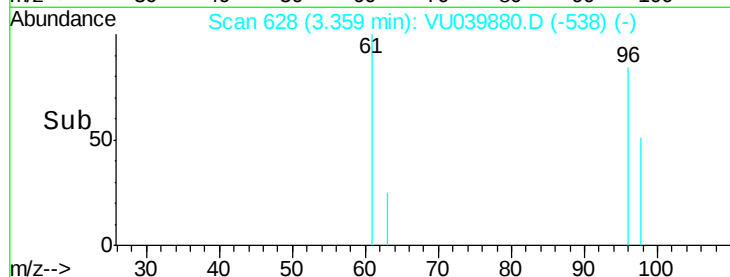
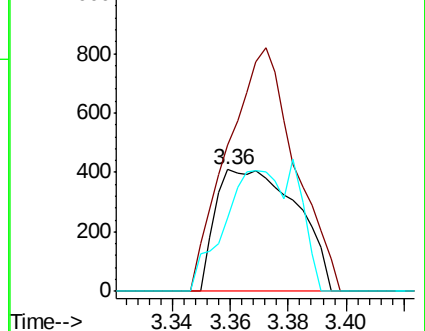
98 60.5 40.9 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU039880.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU039880.D (-947) (-)

Ion 97.95 (97.65 to 98.65): VU039880.D (-947) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.184 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039880.D

Acq: 17 Aug 2020 12:15

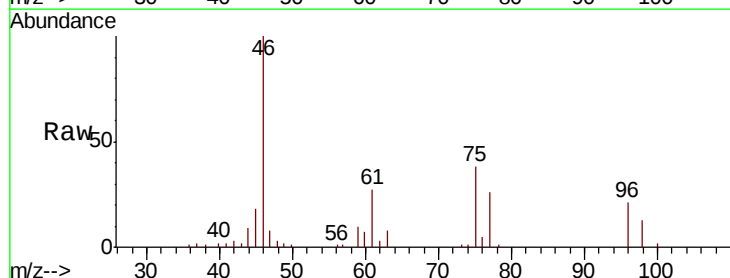
Tgt Ion: 96 Resp: 6433

Ion Ratio Lower Upper

96 100

61 129.7 87.4 162.2

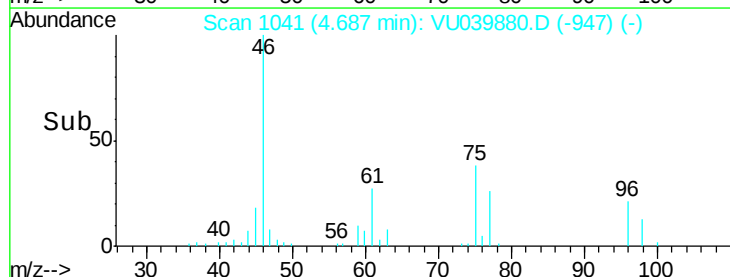
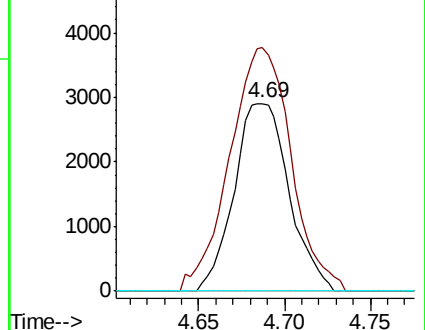
68 0.0 0.0 0.0

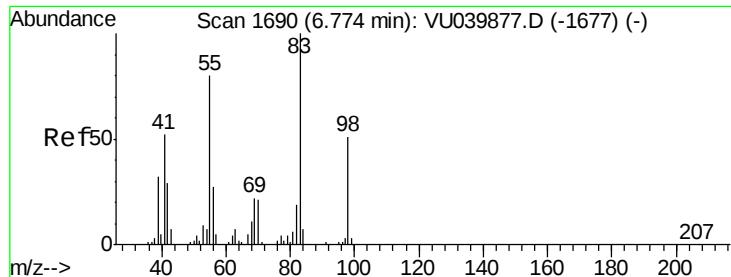


Abundance Ion 96.00 (95.70 to 96.70): VU039880.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU039880.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU039880.D (-947) (-)

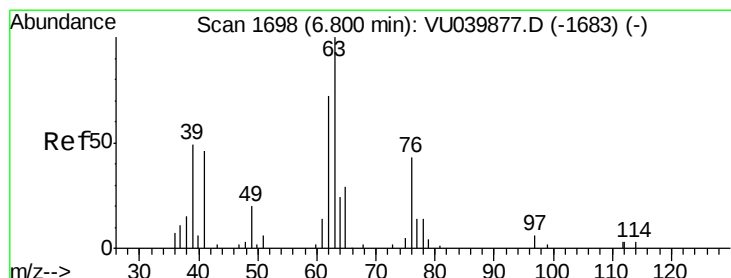
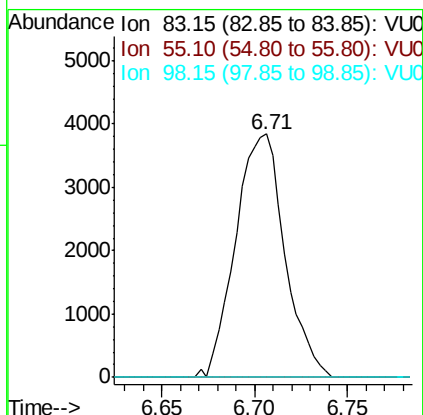
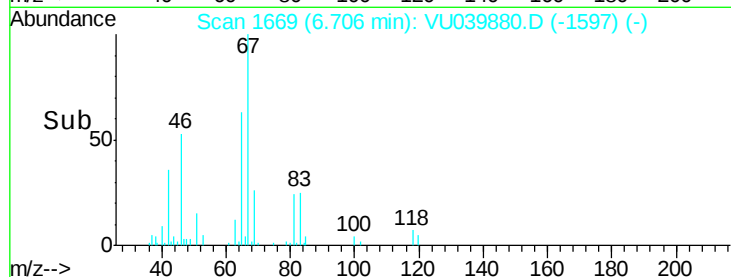
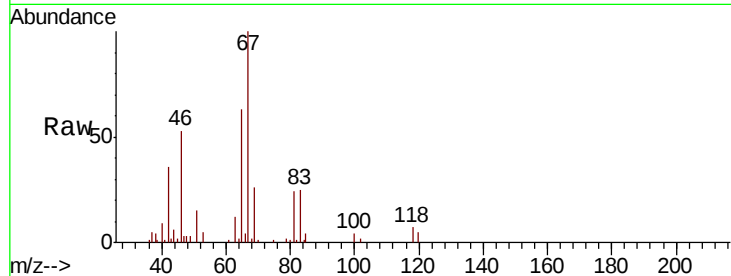




#35
Methvlcvclohexane
Concen: 0.837 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039880.D
Acq: 17 Aug 2020 12:15

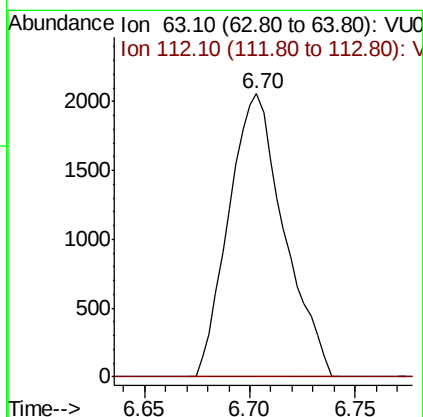
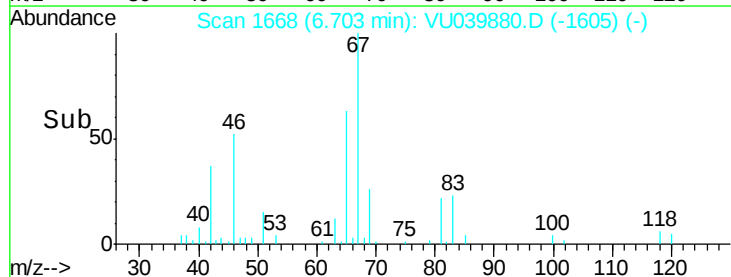
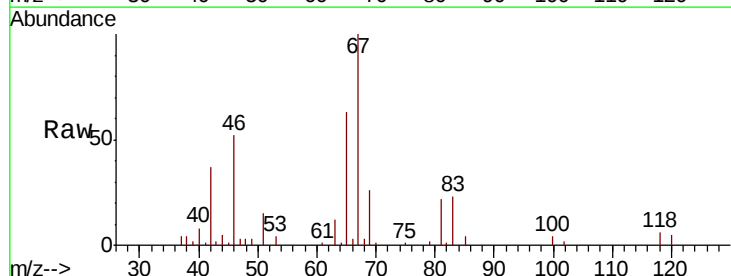
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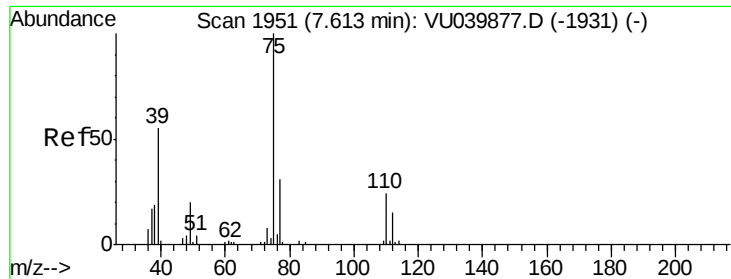
Tot Ion: 83 Resp: 7064
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.0#
98 0.8 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 0.691 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039880.D
Acq: 17 Aug 2020 12:15

Tgt Ion: 63 Resp: 3739
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#

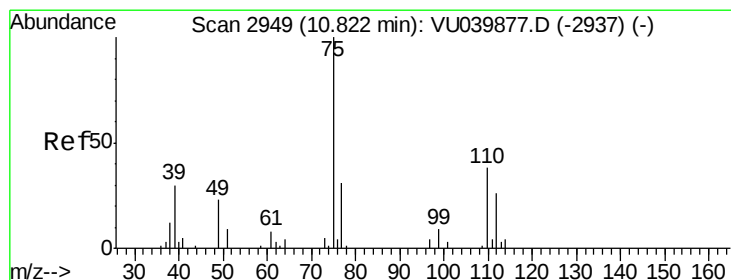
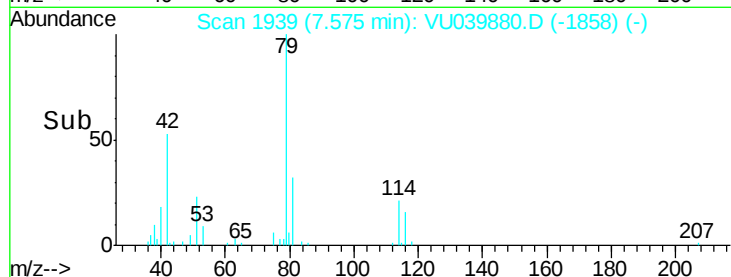
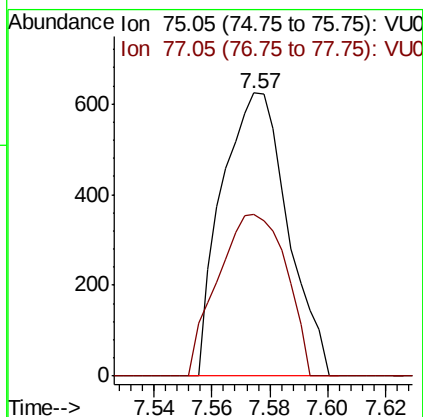
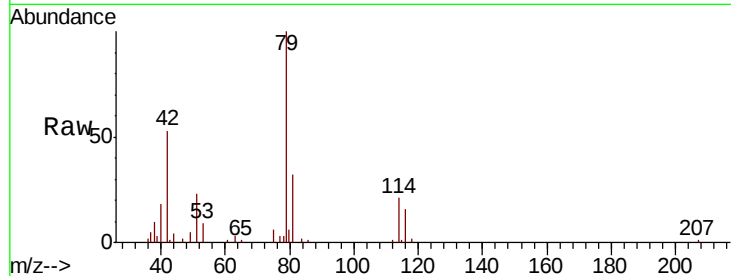




#39
 cis-1,3-Dichloropropene
 Concen: 0.133 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039880.D
 Acq: 17 Aug 2020 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 F4L32DL

Tot Ion: 75 Resp: 984
 Ion Ratio Lower Upper
 75 100
 77 57.4 22.4 41.6#



#59
 1,2,3-Trichloropropane
 Concen: 1.332 ug/L
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.98 min
 Lab File: VU039880.D
 Acq: 17 Aug 2020 12:15

Tgt Ion: 75 Resp: 5197
 Ion Ratio Lower Upper
 75 100
 77 41.1 24.6 37.0#

