

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072420\
 Data File : VU039676.D
 Acq On : 24 Jul 2020 19:52
 Operator : SY/MD
 Sample : L3422-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 25 06:51:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 25 06:47:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	211157	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	201190	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	91904	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	51151	37.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.42%
7) Chloroethane-d5	1.92	69	56898	34.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.08%#
11) 1,1-Dichloroethene-d2	2.58	63	87487	30.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.14%
21) 2-Butanone-d5	4.65	46	137383	86.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.57%
24) Chloroform-d	5.09	84	125837	40.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.42%
26) 1,2-Dichloroethane-d4	5.72	65	91959	41.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.24%
32) Benzene-d6	5.74	84	237711	42.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.10%
36) 1,2-Dichloropropane-d6	6.71	67	79920	43.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.26%
41) Toluene-d8	7.91	98	216548	41.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.38%
43) trans-1,3-Dichloropropene-	8.19	79	36367	39.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.66%
47) 2-Hexanone-d5	8.64	63	84935	84.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.99%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	120521	41.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.08%
64) 1,2-Dichlorobenzene-d4	12.19	152	86786	43.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.36%

Target Compounds

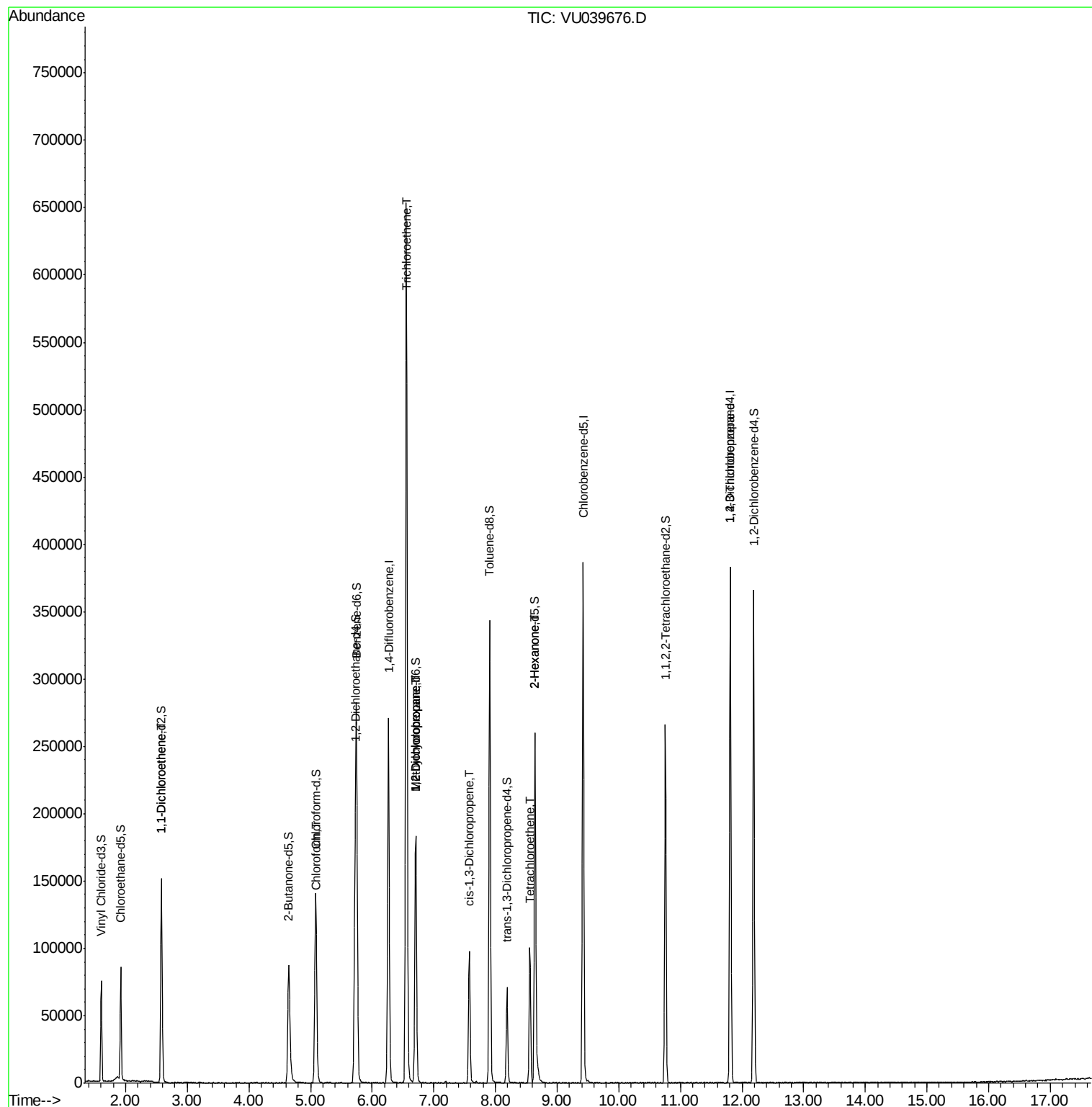
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	1400	1.162	ug/L #	1
25) Chloroform	5.11	83	4653	1.604	ug/L	97
34) Trichloroethene	6.56	95	210298	143.388	ug/L	98
35) Methylcyclohexane	6.70	83	19246	8.487	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	9750	6.495	ug/L #	89
39) cis-1,3-Dichloropropene	7.57	75	2827	1.260	ug/L #	71
46) Tetrachloroethene	8.56	164	19482	17.561	ug/L	98
48) 2-Hexanone	8.64	43	12343	5.792	ug/L #	73
59) 1,2,3-Trichloropropane	11.81	75	13565	6.227	ug/L	90

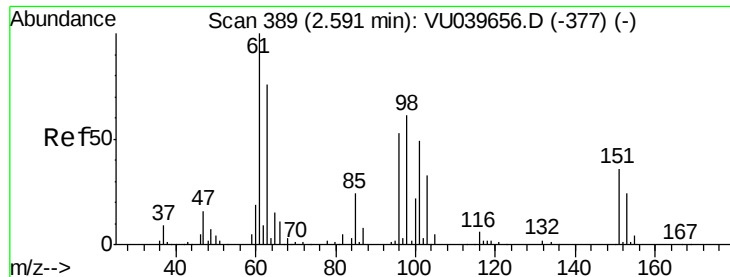
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.162 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039676.D

Acq: 24 Jul 2020 19:52

Instrument :
MSVOA_U
ClientSampled :

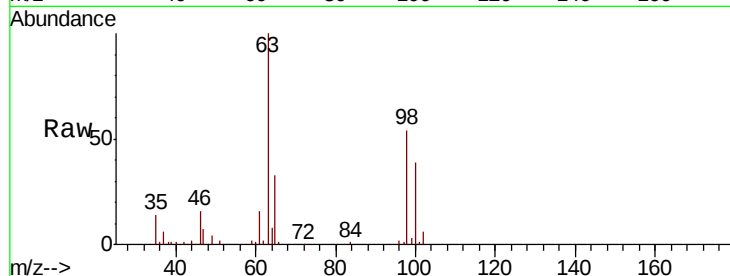
Tot Ion: 96 Resp: 1400

Ion Ratio Lower Upper

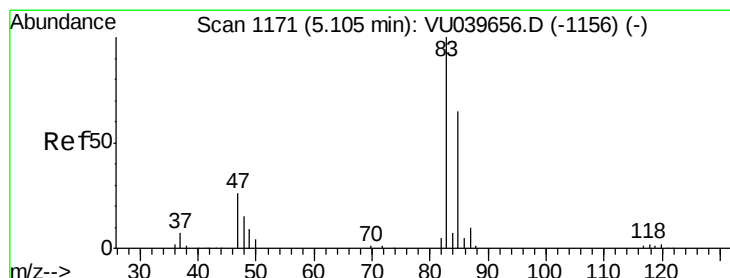
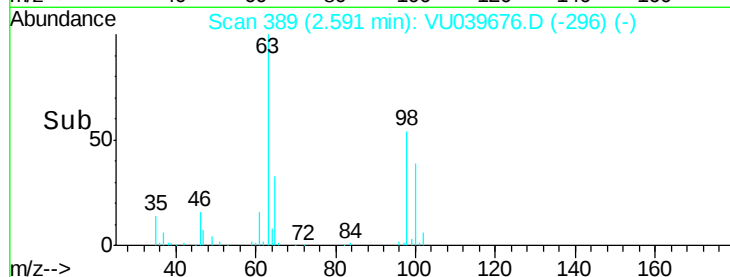
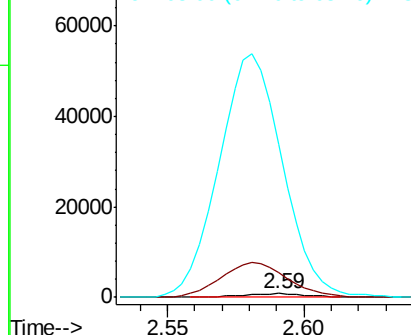
96 100

61 639.5 136.6 253.6#

63 4034.5 97.2 180.6#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 63.00 (62.70 to 63.70): VU0



#25

Chloroform

Concen: 1.604 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU039676.D

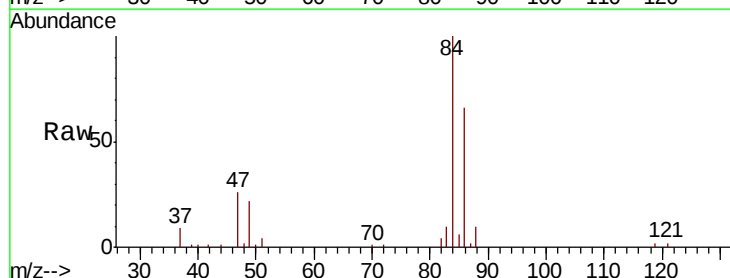
Acq: 24 Jul 2020 19:52

Tgt Ion: 83 Resp: 4653

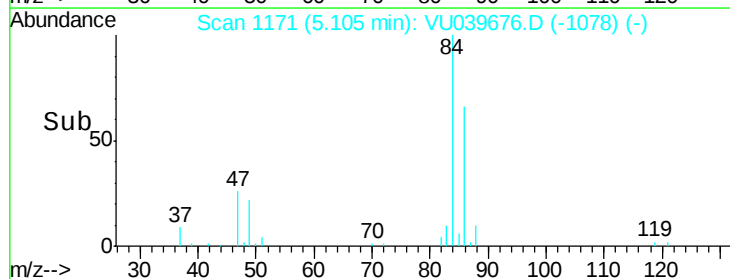
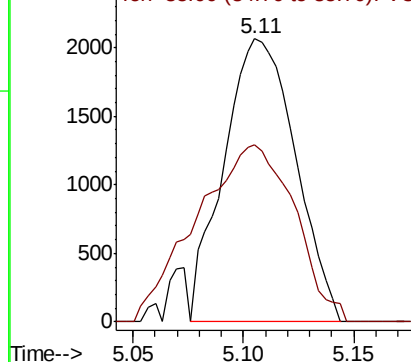
Ion Ratio Lower Upper

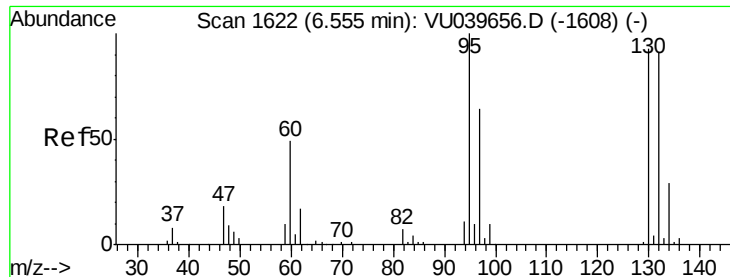
83 100

85 62.5 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

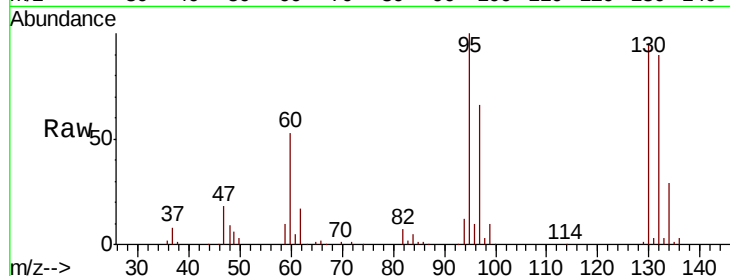




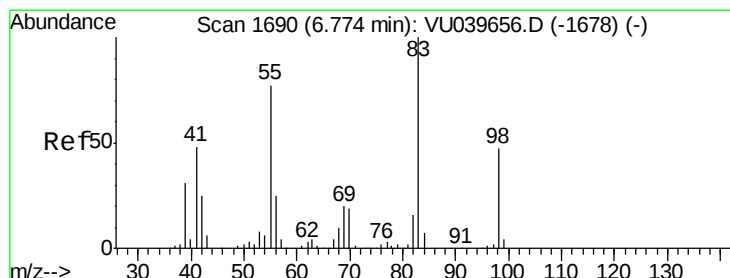
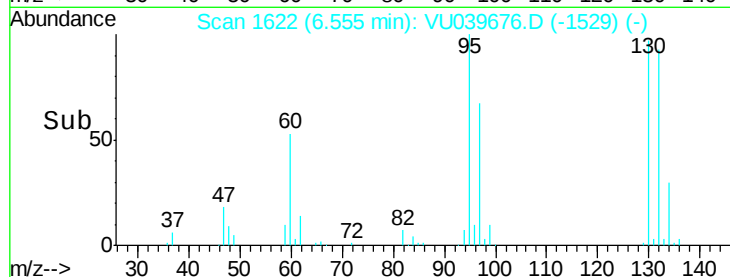
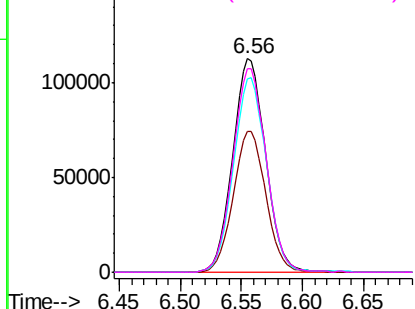
#34
 Trichloroethene
 Concen: 143.388 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU039676.D
 Acq: 24 Jul 2020 19:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	210298
Ion	Ratio	Lower	Upper
95	100		
97	65.8	45.5	84.5
132	90.4	65.0	120.6
130	95.1	67.9	126.1

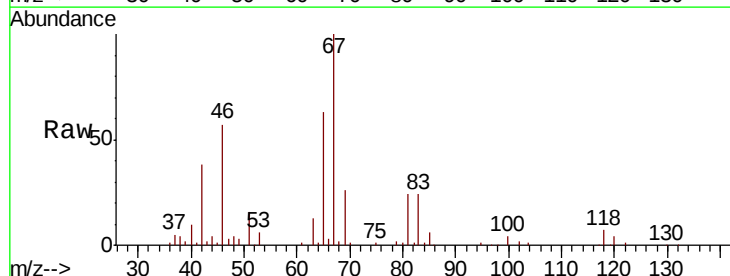


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

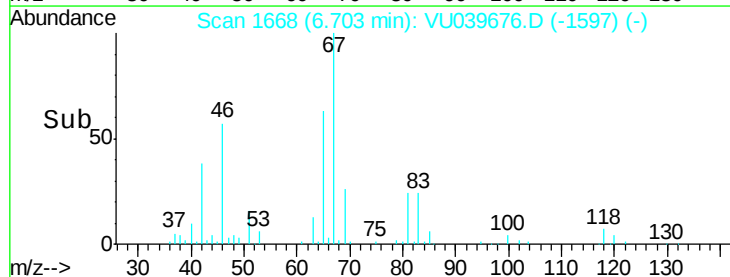
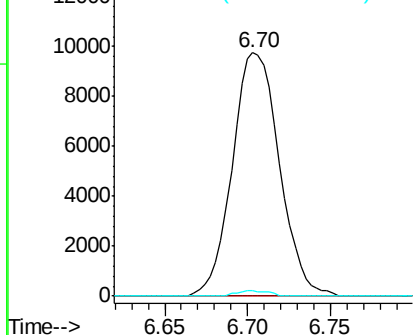


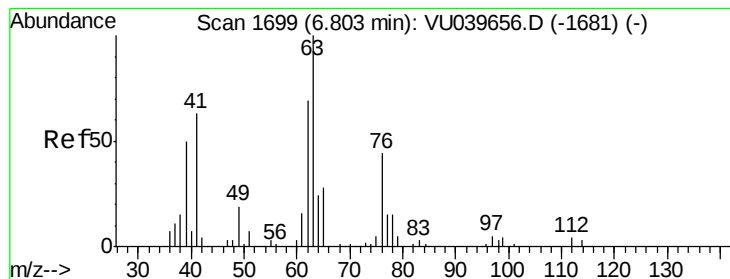
#35
 Methylcyclohexane
 Concen: 8.487 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU039676.D
 Acq: 24 Jul 2020 19:52

Tgt Ion:	83	Resp:	19246
Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.9	94.3#
98	1.4	36.3	54.5#



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 6.495 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.10 min

Lab File: VU039676.D

Acq: 24 Jul 2020 19:52

Instrument :

MSVOA_U

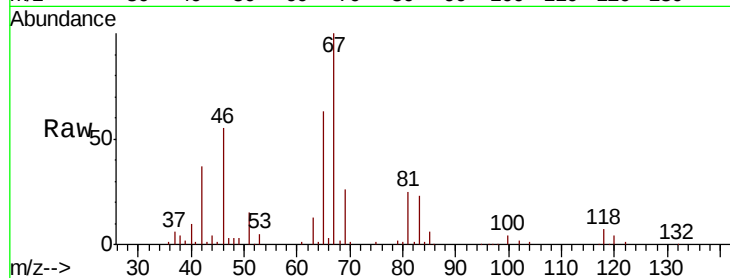
ClientSampleId :

Tot Ion: 63 Resp: 9750

Ion Ratio Lower Upper

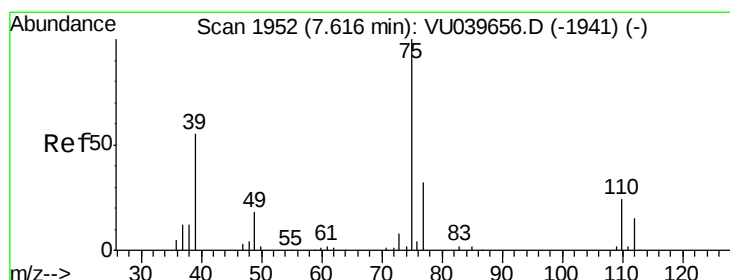
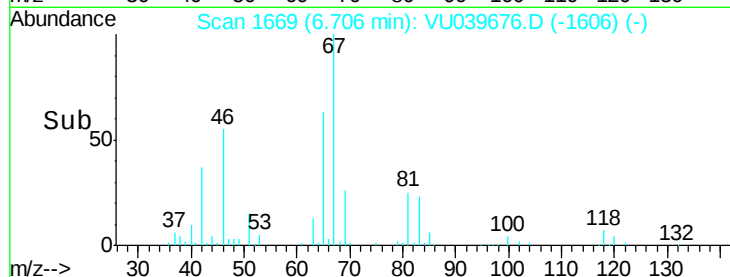
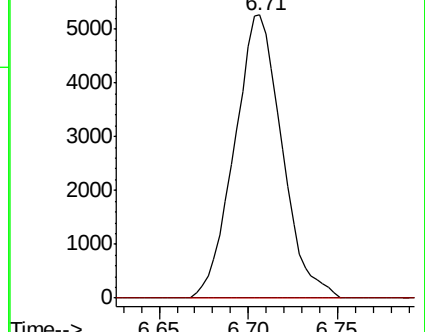
63 100

112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VU039676.D (-1666) (-)

Ion 112.00 (111.70 to 112.70): VU039676.D (-1666) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.260 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU039676.D

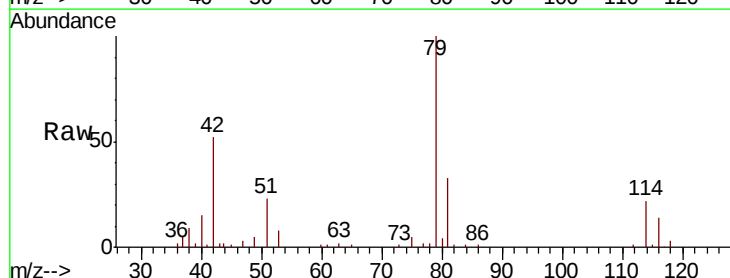
Acq: 24 Jul 2020 19:52

Tgt Ion: 75 Resp: 2827

Ion Ratio Lower Upper

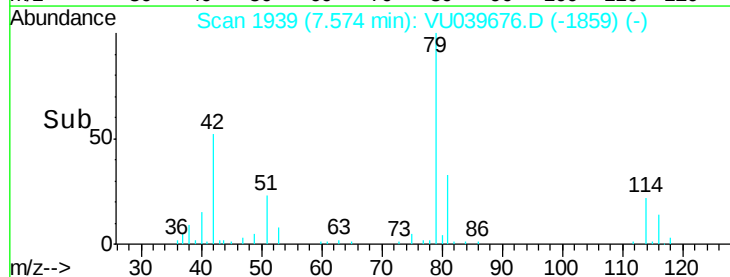
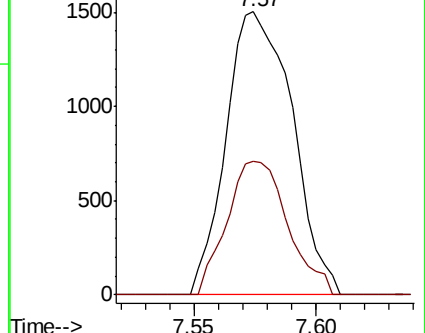
75 100

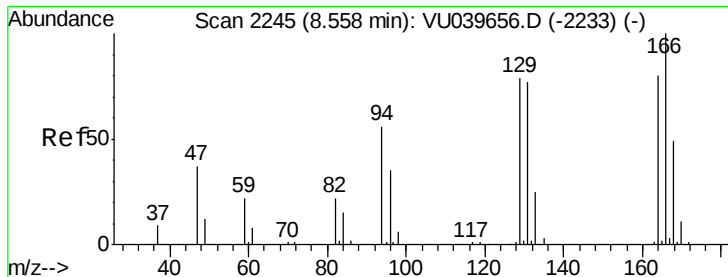
77 47.4 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU039676.D (-1859) (-)

Ion 77.00 (76.70 to 77.70): VU039676.D (-1859) (-)





#46

Tetrachloroethene

Concen: 17.561 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039676.D

Acq: 24 Jul 2020 19:52

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:164 Resp: 19482

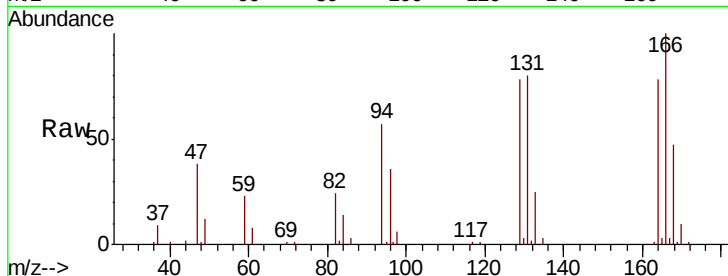
Ion Ratio Lower Upper

164 100

129 99.9 71.1 132.1

131 102.3 70.3 130.5

166 127.9 87.8 163.0

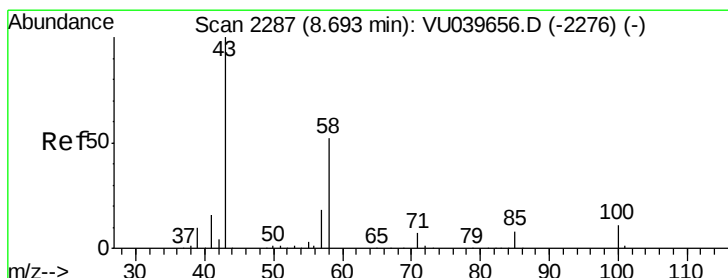
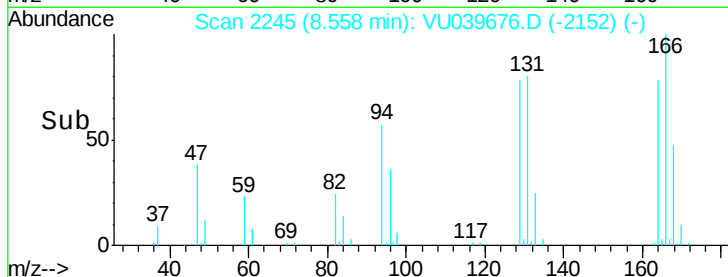
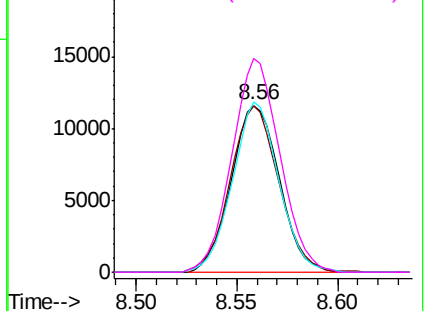


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.792 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU039676.D

Acq: 24 Jul 2020 19:52

Tgt Ion: 43 Resp: 12343

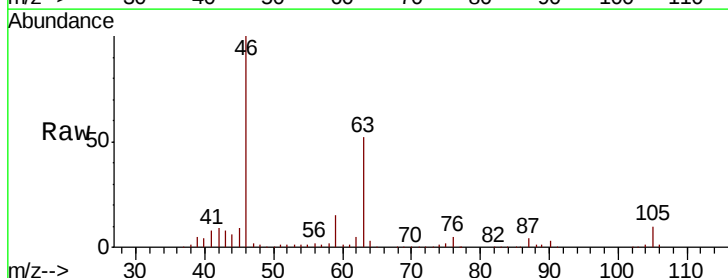
Ion Ratio Lower Upper

43 100

58 29.4 40.6 61.0#

57 11.5 14.5 21.7#

100 0.0 8.0 12.0#

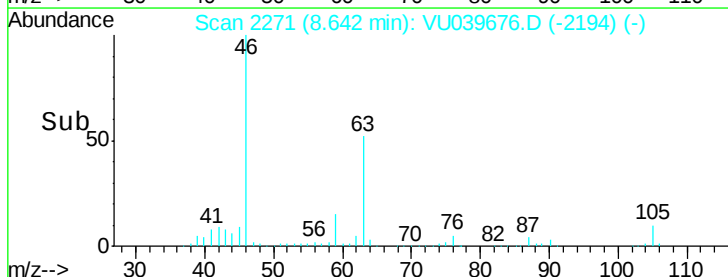
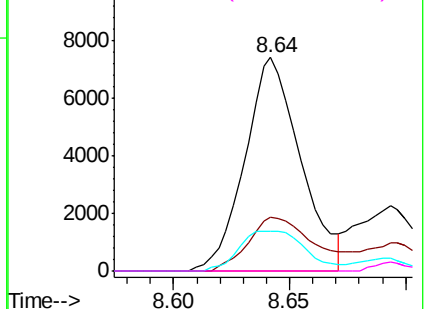


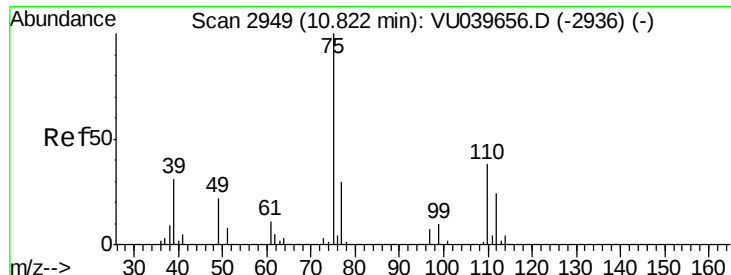
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#59

1,2,3-Trichloropropane

Concen: 6.227 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039676.D

Acq: 24 Jul 2020 19:52

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 13565

Ion Ratio Lower Upper

75 100

77 37.3 25.4 38.2

