

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072420\
 Data File : VU039672.D
 Acq On : 24 Jul 2020 18:24
 Operator : SY/MD
 Sample : L3422-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 25 06:51:19 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	208382	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	200228	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	90665	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	50293	37.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.14%
7) Chloroethane-d5	1.92	69	54567	33.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	67.12%#
11) 1,1-Dichloroethene-d2	2.58	63	131944	45.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.90%
21) 2-Butanone-d5	4.65	46	133261	85.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.09%
24) Chloroform-d	5.08	84	121161	39.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.44%
26) 1,2-Dichloroethane-d4	5.72	65	90805	41.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.30%
32) Benzene-d6	5.75	84	232255	41.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.56%
36) 1,2-Dichloropropane-d6	6.71	67	78212	42.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.80%
41) Toluene-d8	7.91	98	212986	40.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.42%
43) trans-1,3-Dichloropropene-	8.19	79	35072	38.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.22%
47) 2-Hexanone-d5	8.64	63	84448	84.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.91%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	117243	40.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.22%
64) 1,2-Dichlorobenzene-d4	12.19	152	85428	43.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.18%

Target Compounds

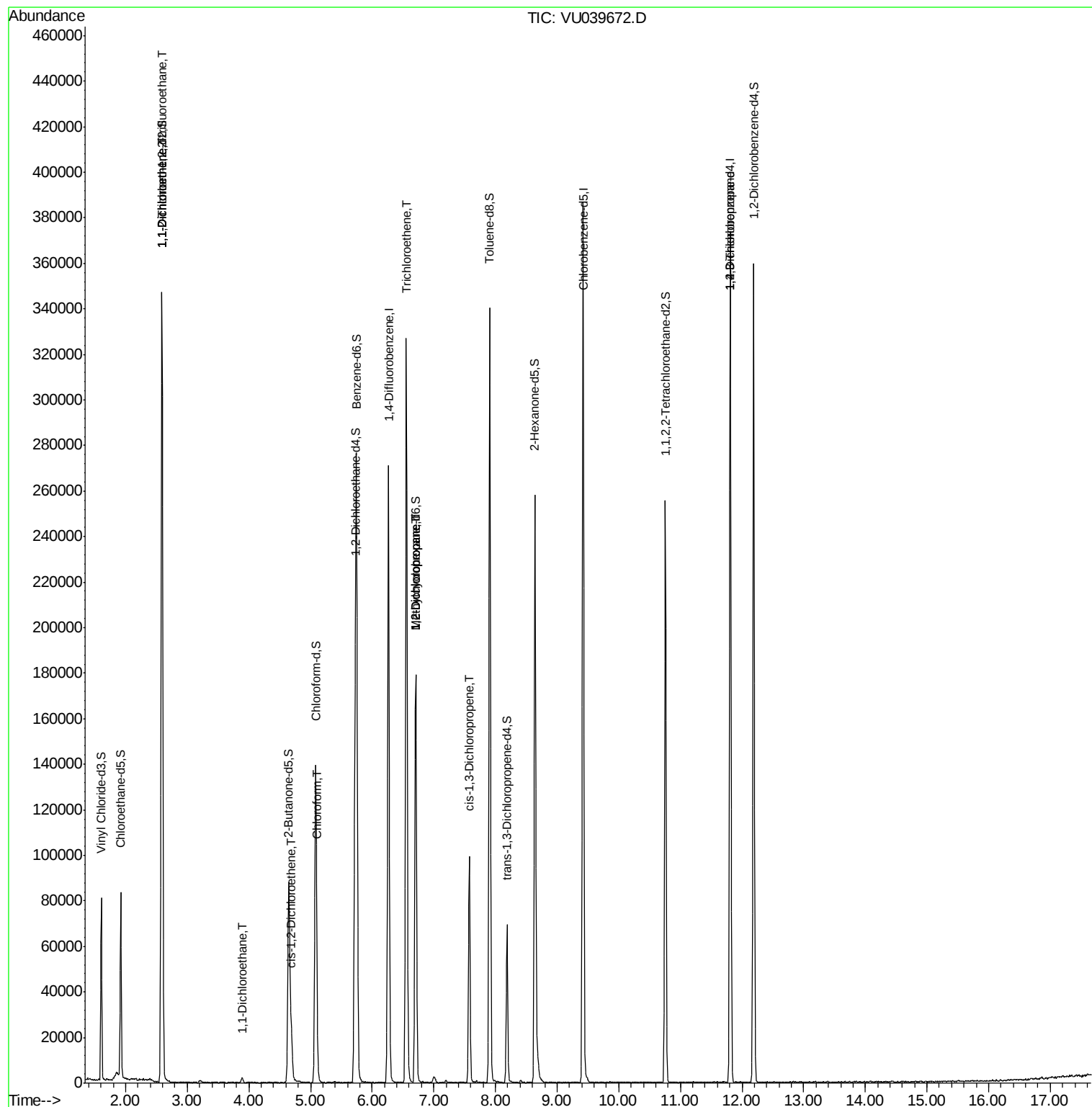
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1757	1.378	ug/L #	63
12) 1,1-Dichloroethene	2.59	96	80692	67.880	ug/L	83
19) 1,1-Dichloroethane	3.89	63	2782	1.078	ug/L #	87
20) cis-1,2-Dichloroethene	4.69	96	7633	5.049	ug/L	100
25) Chloroform	5.11	83	4702	1.642	ug/L	79
34) Trichloroethene	6.56	95	107732	73.808	ug/L	98
35) Methylcyclohexane	6.70	83	17680	7.834	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	9785	6.549	ug/L #	89
39) cis-1,3-Dichloropropene	7.58	75	2557	1.145	ug/L #	63
59) 1,2,3-Trichloropropane	11.81	75	12971	5.983	ug/L	90

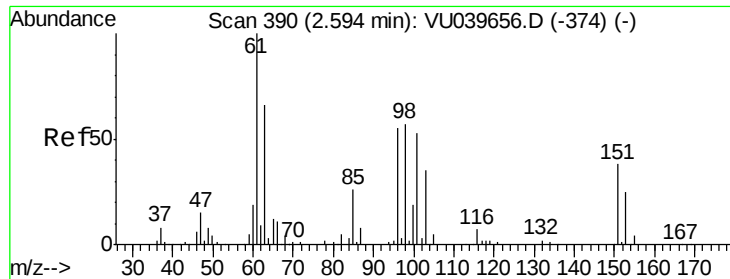
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.378 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039672.D

Acq: 24 Jul 2020 18:24

Instrument :

MSVOA_U

ClientSampled :

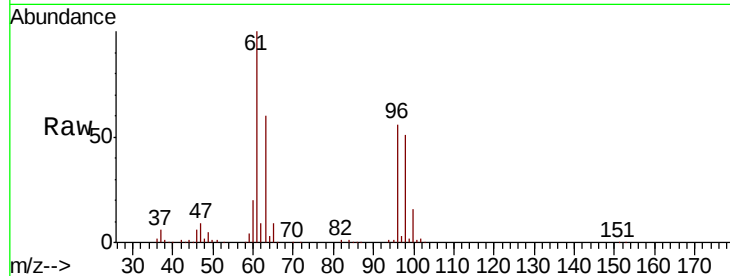
Tot Ion:101 Resp: 1757

Ion Ratio Lower Upper

101 100

85 24.6 39.7 59.5#

151 40.9 57.4 86.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

Time-->

2.59

800

600

400

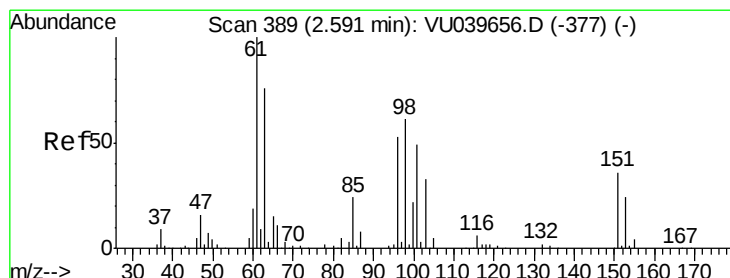
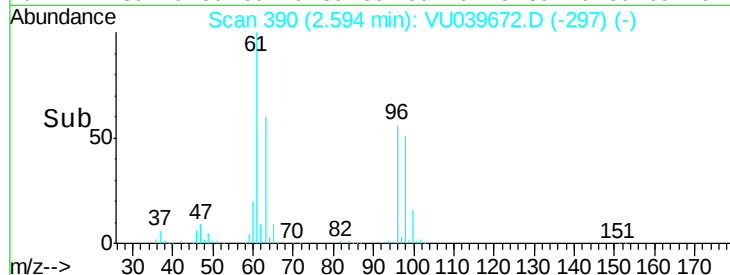
200

0

2.55

2.60

2.65



#12

1,1-Dichloroethene

Concen: 67.880 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039672.D

Acq: 24 Jul 2020 18:24

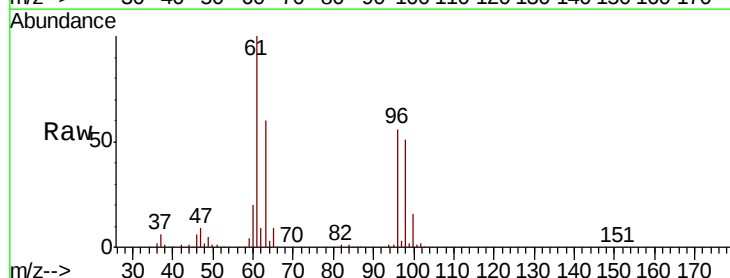
Tgt Ion: 96 Resp: 80692

Ion Ratio Lower Upper

96 100

61 179.2 136.6 253.6

63 107.0 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

Time-->

2.59

120000

100000

80000

60000

40000

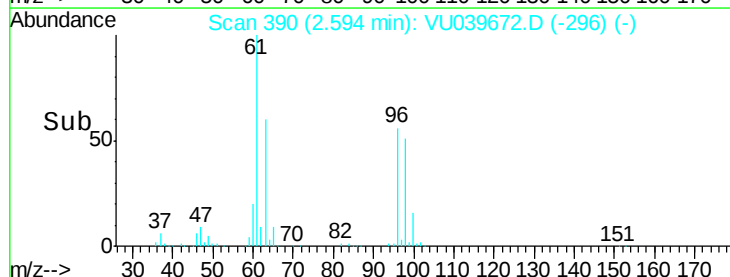
20000

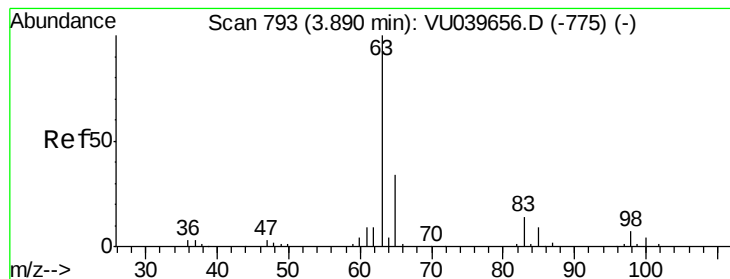
0

2.55

2.60

2.65





#19

1,1-Dichloroethane

Concen: 1.078 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039672.D

Acq: 24 Jul 2020 18:24

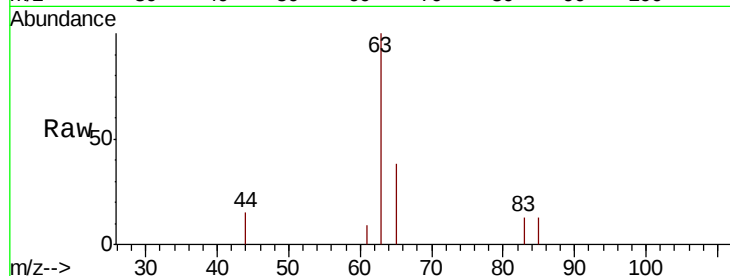
Instrument :

MSVOA_U

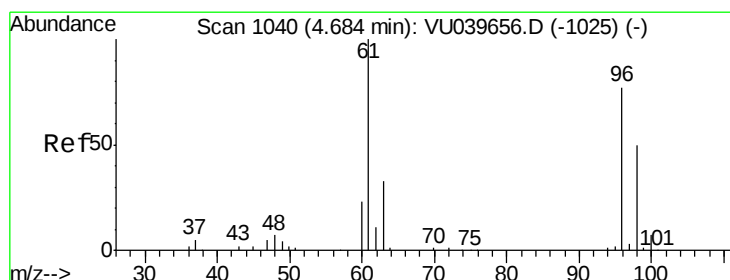
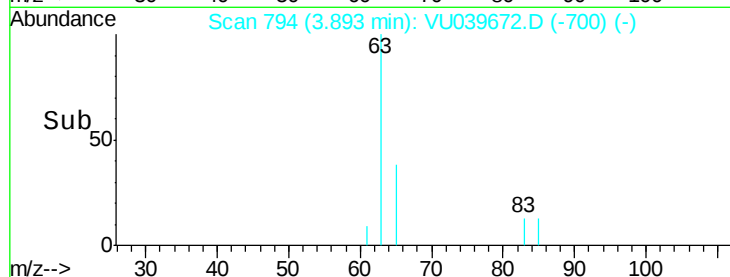
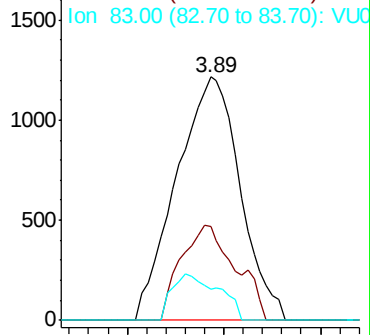
ClientSampleId :

Tot Ion: 63 Resp: 2782

Ion	Ratio	Lower	Upper
63	100		
65	38.5	20.4	38.0#
83	12.9	9.7	18.1



Abundance Ion 63.00 (62.70 to 63.70): VU039672.D (-700) (-)



#20

cis-1,2-Dichloroethene

Concen: 5.049 ug/L

RT: 4.69 min Scan# 1042

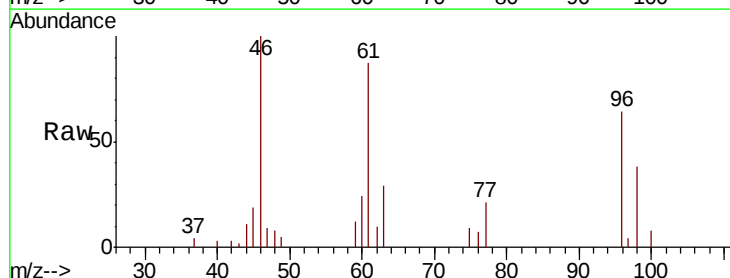
Delta R.T. 0.01 min

Lab File: VU039672.D

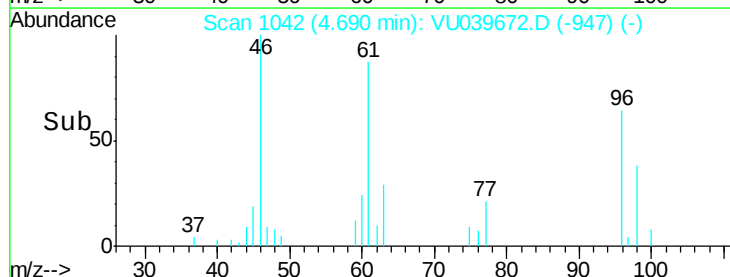
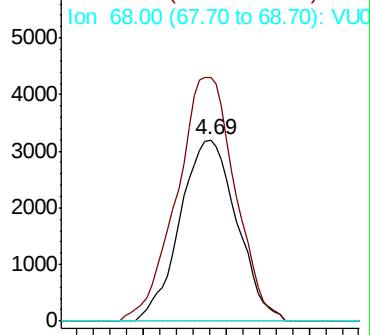
Acq: 24 Jul 2020 18:24

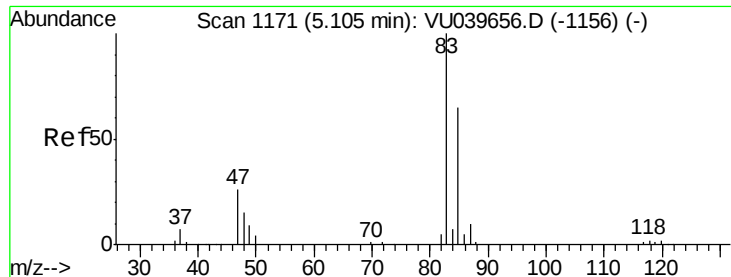
Tgt Ion: 96 Resp: 7633

Ion	Ratio	Lower	Upper
96	100		
61	134.5	94.0	174.6
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039672.D (-947) (-)

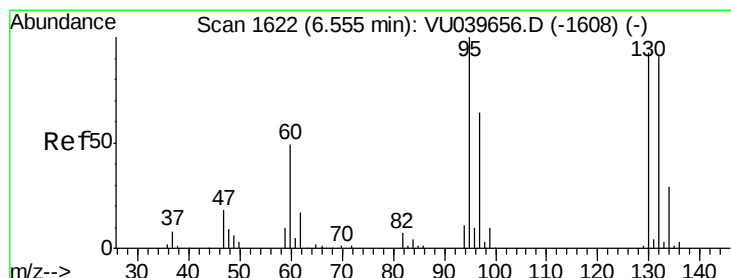
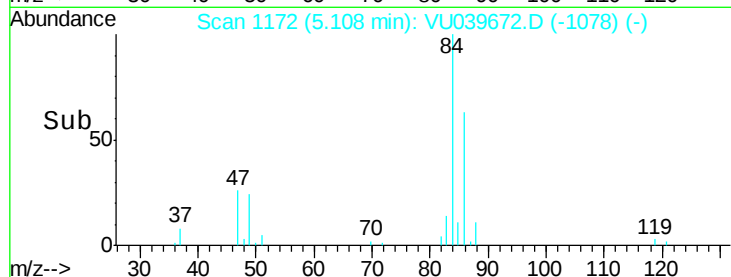
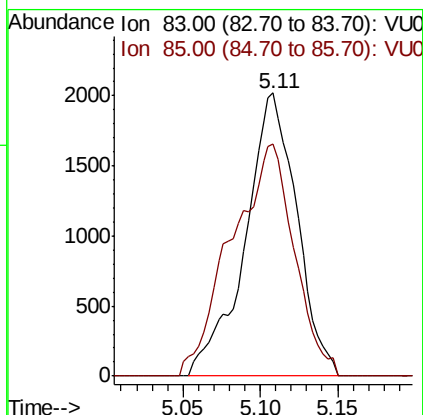
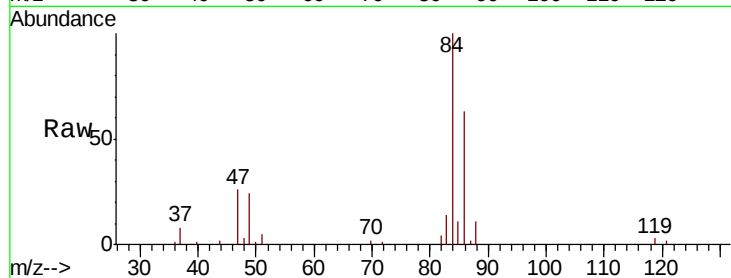




#25
Chloroform
Concen: 1.642 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039672.D
Acq: 24 Jul 2020 18:24

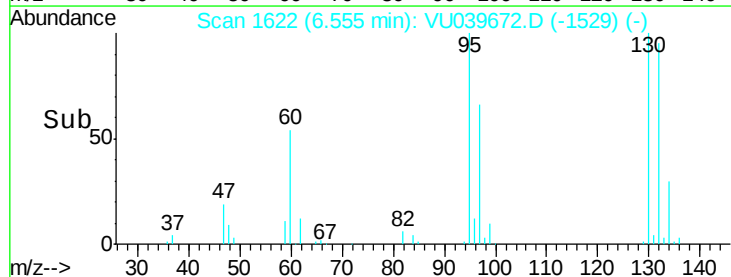
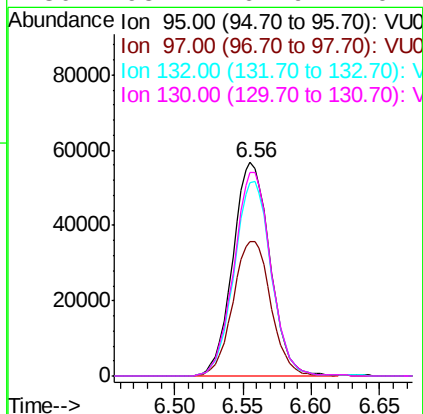
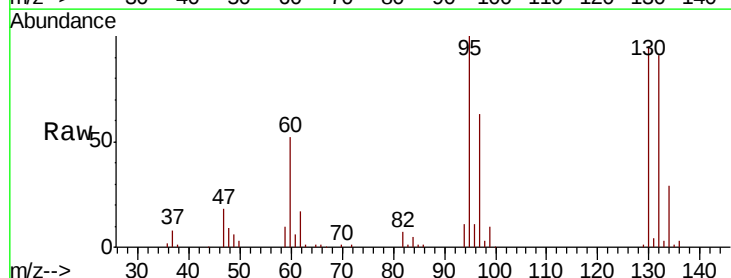
Instrument :
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ClientSampleId :

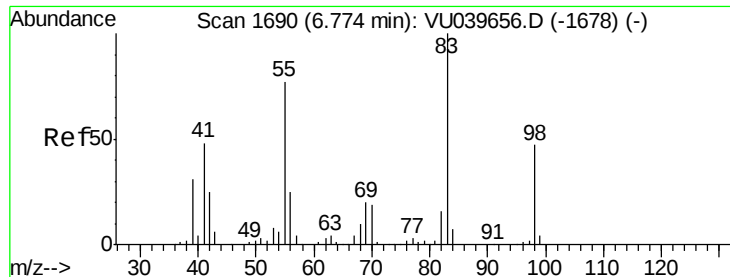
Tot Ion: 83 Resp: 4702
Ion Ratio Lower Upper
83 100
85 82.0 45.6 84.6



#34
Trichloroethene
Concen: 73.808 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU039672.D
Acq: 24 Jul 2020 18:24

Tgt Ion: 95 Resp: 107732
Ion Ratio Lower Upper
95 100
97 63.2 45.5 84.5
132 90.8 65.0 120.6
130 95.1 67.9 126.1

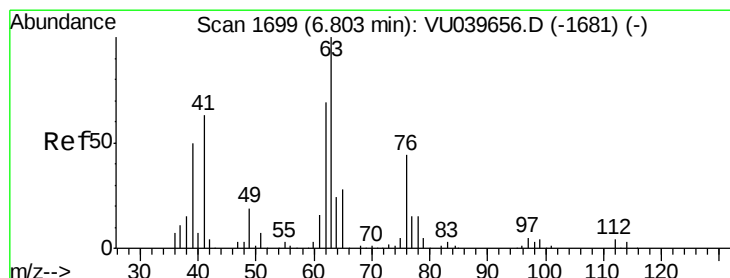
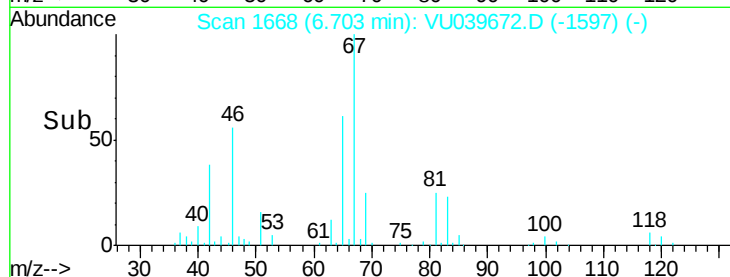
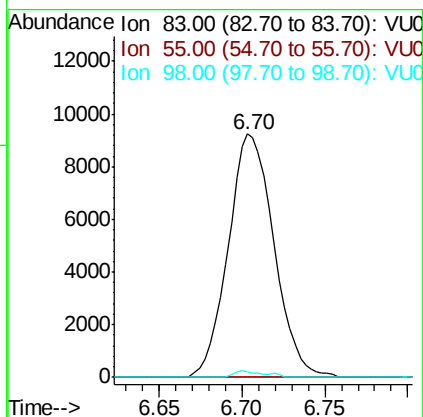
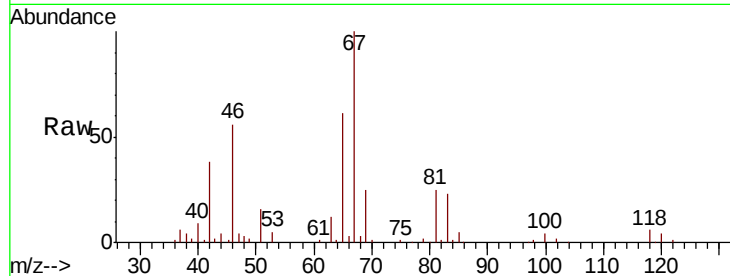




#35
Methylcyclohexane
Concen: 7.834 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039672.D
Acq: 24 Jul 2020 18:24

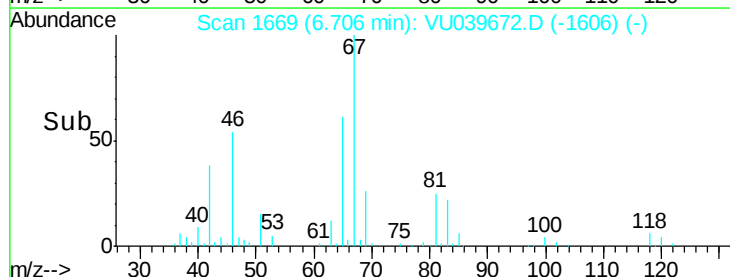
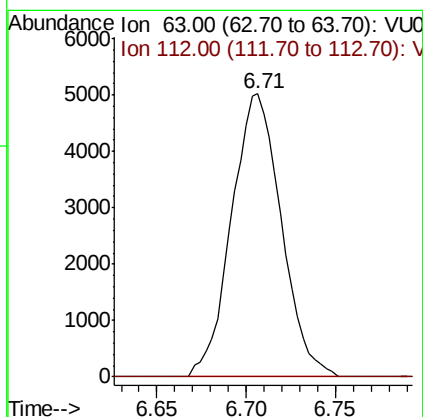
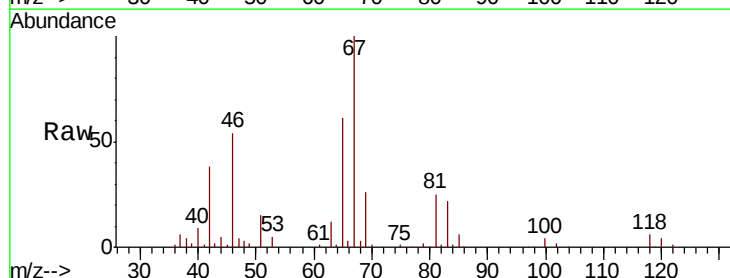
Instrument :
MSVOA_U
ClientSampleId :

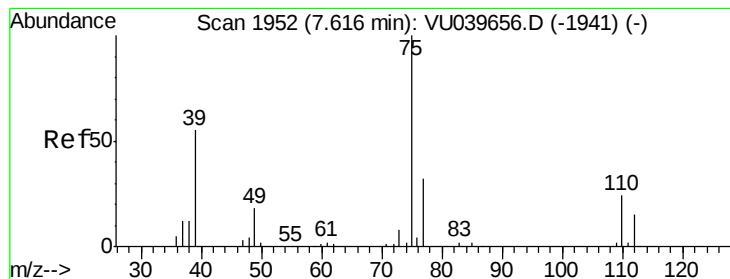
Tot Ion: 83 Resp: 17680
Ion Ratio Lower Upper
83 100
55 0.0 62.9 94.3#
98 1.5 36.3 54.5#



#37
1,2-Dichloropropane
Concen: 6.549 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039672.D
Acq: 24 Jul 2020 18:24

Tgt Ion: 63 Resp: 9785
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#





#39

cis-1,3-Dichloropropene

Concen: 1.145 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU039672.D

Acq: 24 Jul 2020 18:24

Instrument :

MSVOA_U

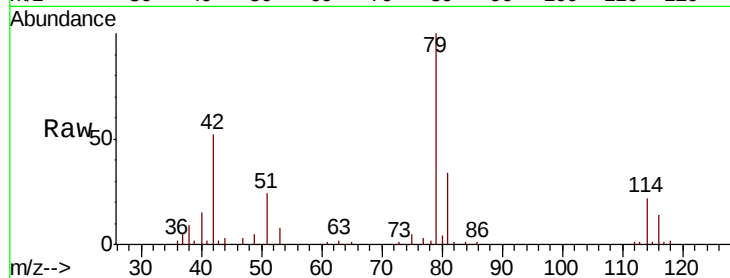
ClientSampleId :

Tot Ion: 75 Resp: 2557

Ion Ratio Lower Upper

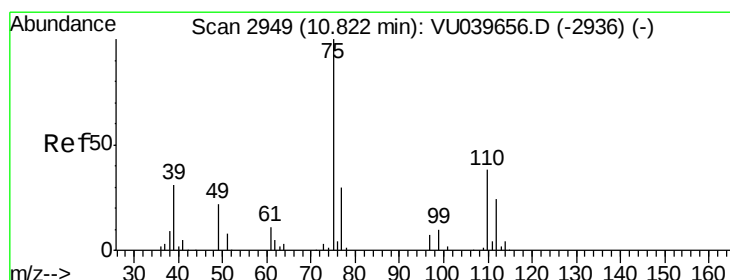
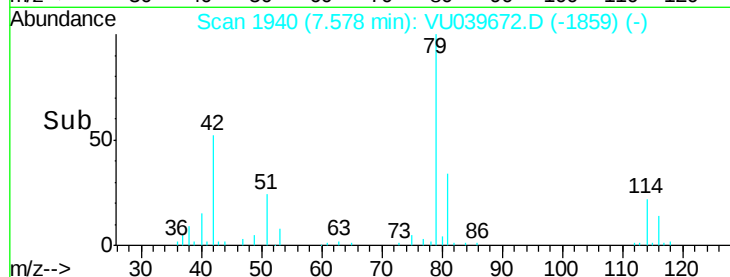
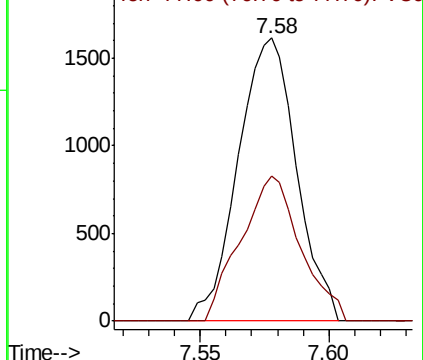
75 100

77 51.3 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 5.983 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039672.D

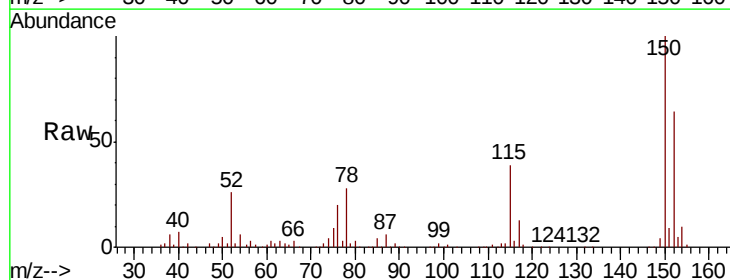
Acq: 24 Jul 2020 18:24

Tgt Ion: 75 Resp: 12971

Ion Ratio Lower Upper

75 100

77 37.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

