

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072420\
 Data File : VU039675.D
 Acq On : 24 Jul 2020 19:30
 Operator : SY/MD
 Sample : L3422-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 25 06:51:49 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	210209	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	201758	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	92613	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	49962	36.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.02%
7) Chloroethane-d5	1.92	69	58213	35.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.00%
11) 1,1-Dichloroethene-d2	2.58	63	86899	30.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.00%
21) 2-Butanone-d5	4.65	46	140066	88.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.66%
24) Chloroform-d	5.08	84	123723	40.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.40%
26) 1,2-Dichloroethane-d4	5.72	65	90444	41.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.24%
32) Benzene-d6	5.75	84	238156	42.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.02%
36) 1,2-Dichloropropane-d6	6.71	67	78446	42.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.40%
41) Toluene-d8	7.91	98	216329	41.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.08%
43) trans-1,3-Dichloropropene-	8.19	79	35810	38.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.24%
47) 2-Hexanone-d5	8.64	63	85937	85.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.75%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	122535	42.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.24%
64) 1,2-Dichlorobenzene-d4	12.19	152	88598	43.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.50%

Target Compounds

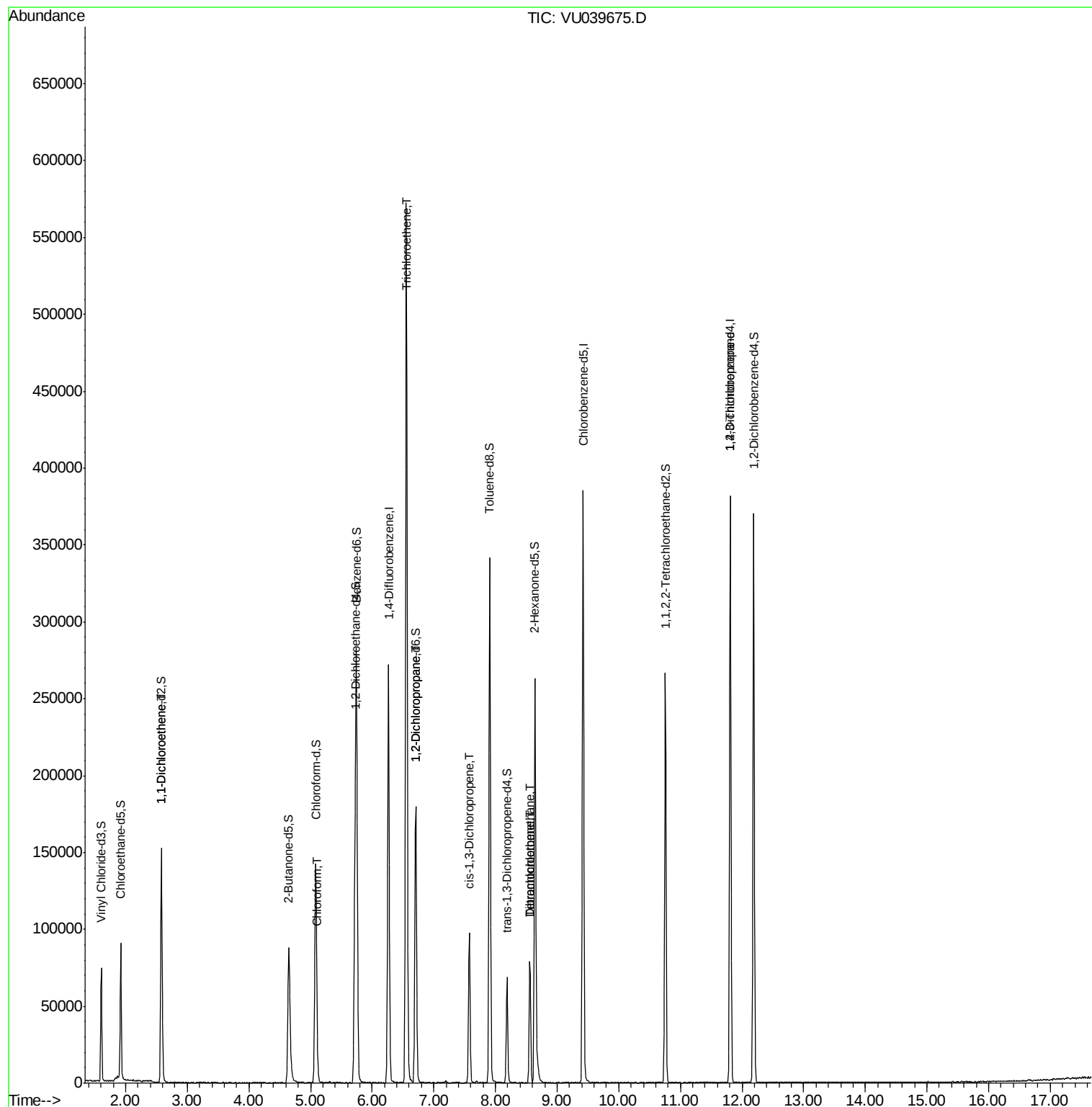
					Ovalue
12) 1,1-Dichloroethene	2.58	96	1098	0.916 ug/L #	1
25) Chloroform	5.11	83	5120	1.773 ug/L	76
34) Trichloroethene	6.56	95	184873	125.698 ug/L	98
37) 1,2-Dichloropropane	6.71	63	9483	6.299 ug/L #	89
39) cis-1,3-Dichloropropene	7.58	75	2993	1.330 ug/L	87
46) Tetrachloroethene	8.56	164	16727	15.036 ug/L	90
49) Dibromochloromethane	8.56	129	15658	9.660 ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	12628	5.781 ug/L #	84

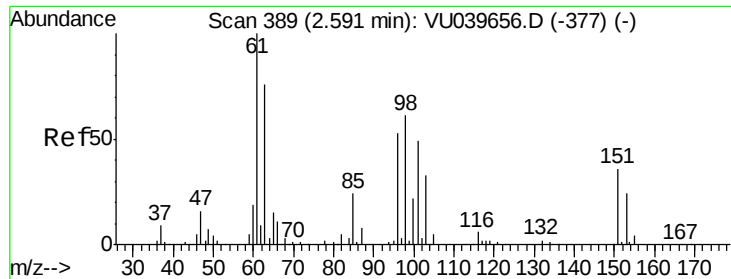
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.916 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU039675.D

Acq: 24 Jul 2020 19:30

Instrument :

MSVOA_U

ClientSampleId :

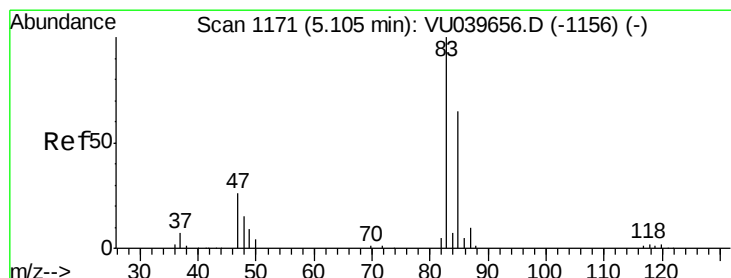
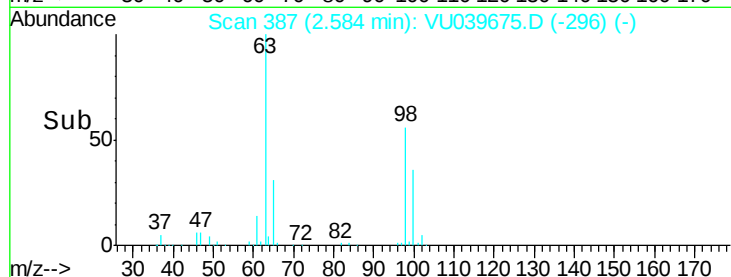
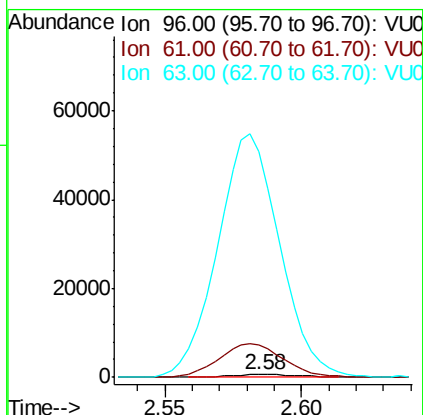
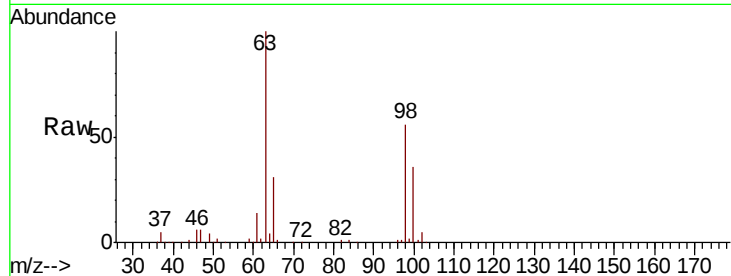
Tot Ion: 96 Resp: 1098

Ion Ratio Lower Upper

96 100

61 1226.4 136.6 253.6#

63 8533.3 97.2 180.6#



#25

Chloroform

Concen: 1.773 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VU039675.D

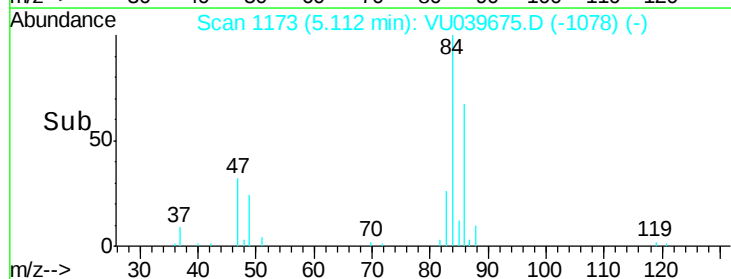
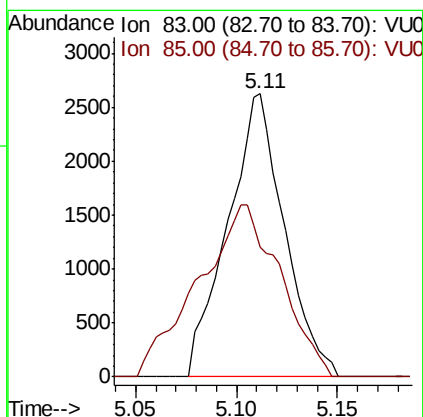
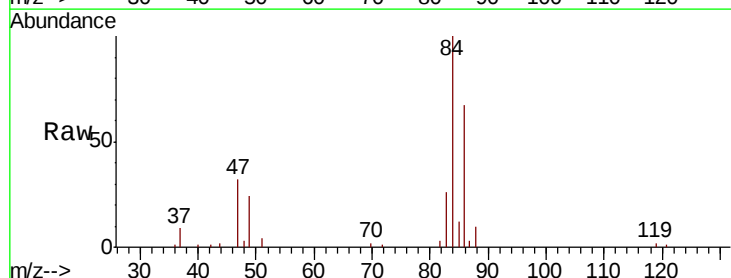
Acq: 24 Jul 2020 19:30

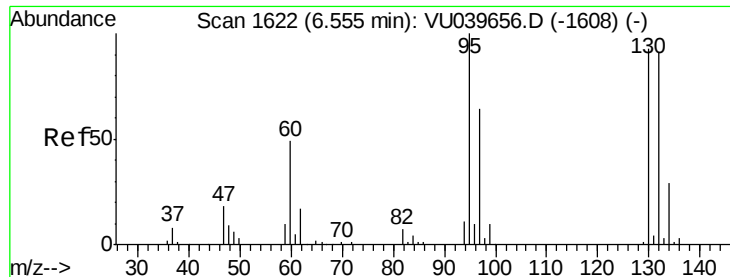
Tgt Ion: 83 Resp: 5120

Ion Ratio Lower Upper

83 100

85 46.0 45.6 84.6





#34

Trichloroethene

Concen: 125.698 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039675.D

Acq: 24 Jul 2020 19:30

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 184873

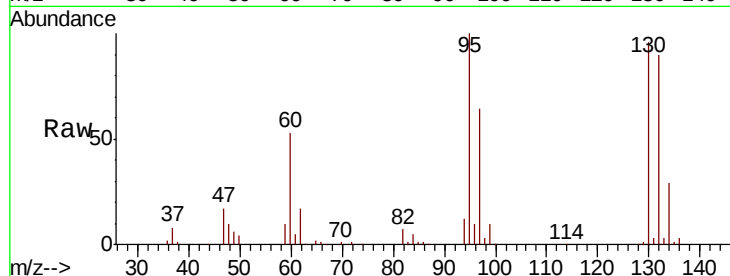
Ion Ratio Lower Upper

95 100

97 64.4 45.5 84.5

132 89.7 65.0 120.6

130 95.9 67.9 126.1

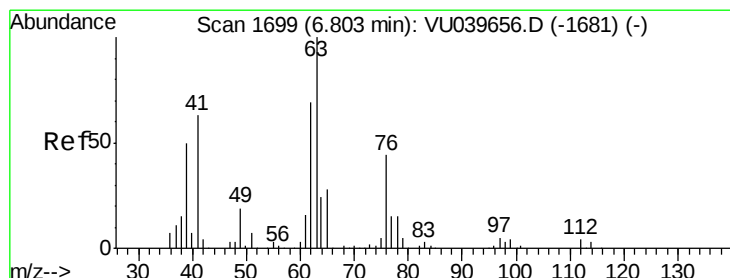
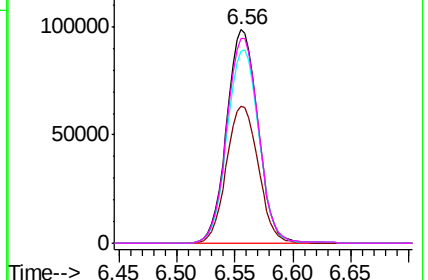
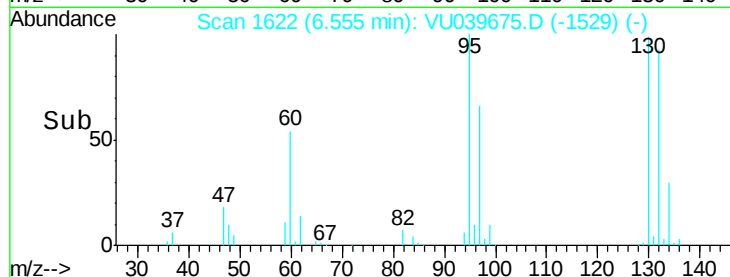


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#37

1,2-Dichloropropane

Concen: 6.299 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.10 min

Lab File: VU039675.D

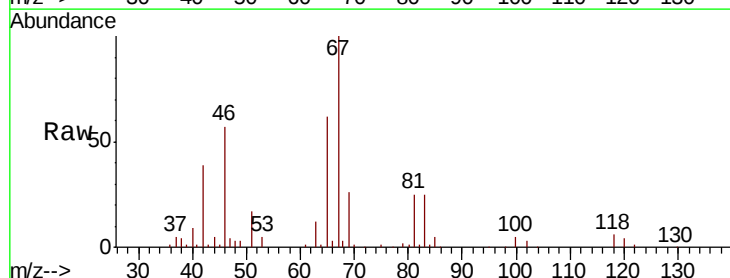
Acq: 24 Jul 2020 19:30

Tgt Ion: 63 Resp: 9483

Ion Ratio Lower Upper

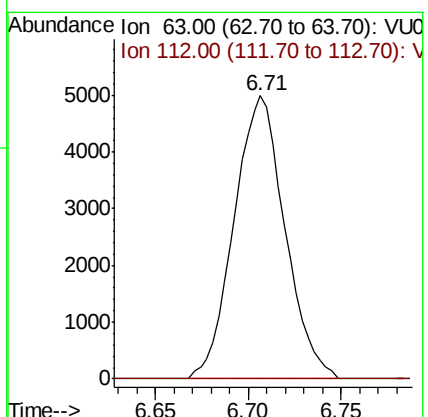
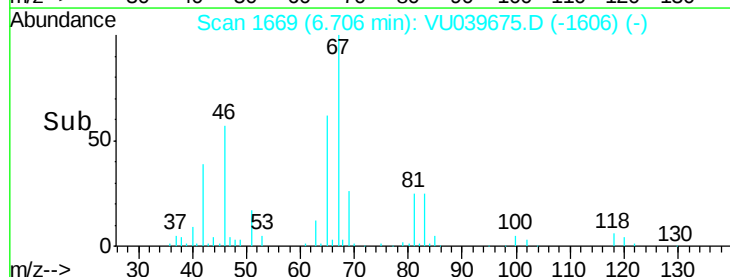
63 100

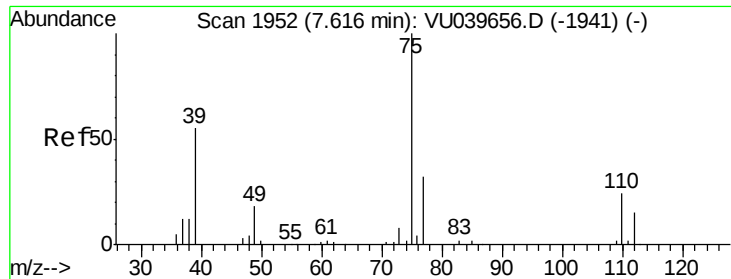
112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

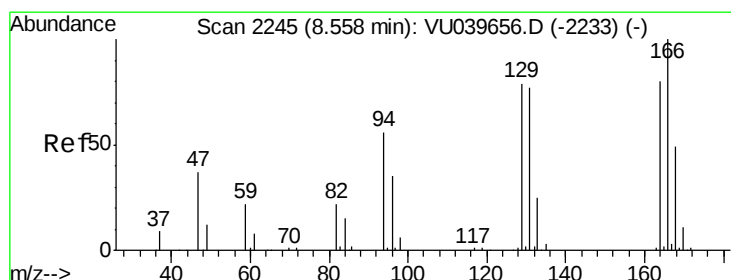
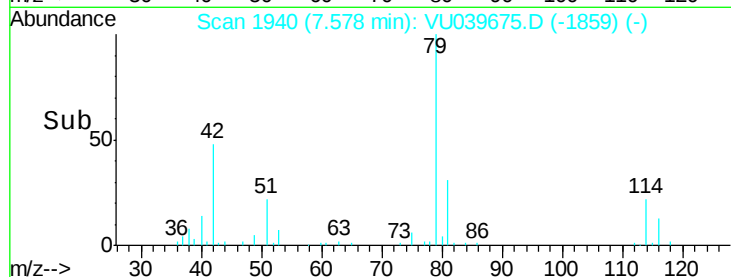
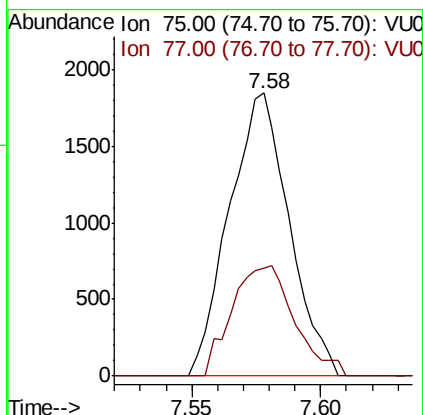
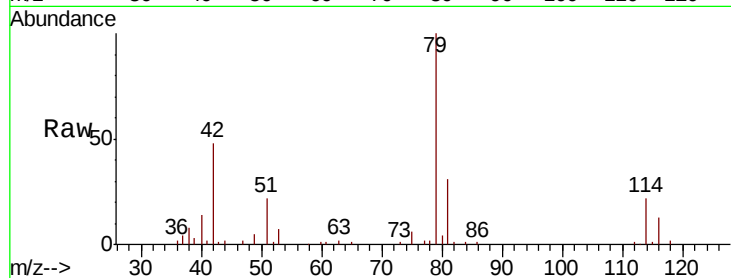




#39
 cis-1,3-Dichloropropene
 Concen: 1.330 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039675.D
 Acq: 24 Jul 2020 19:30

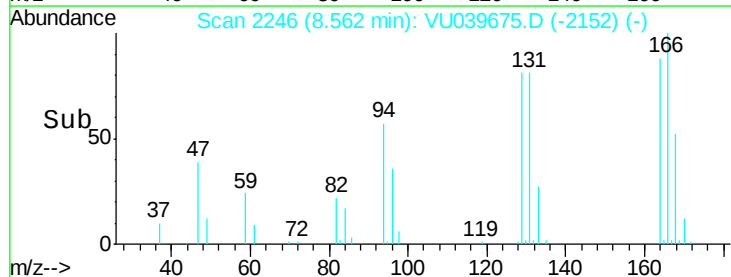
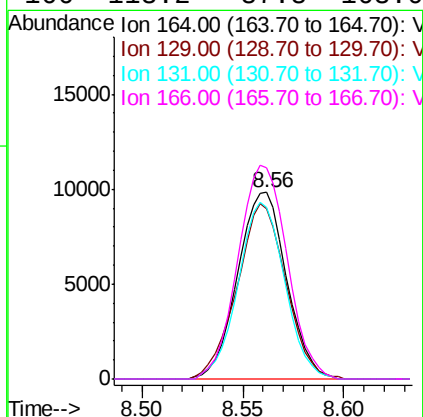
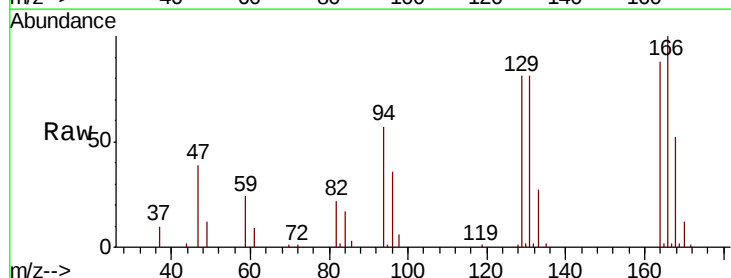
Instrument :
 MSVOA_U
 ClientSampled :

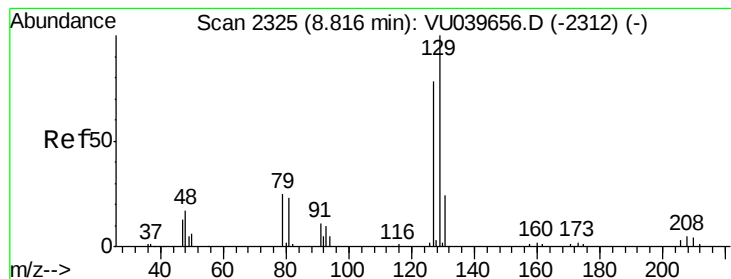
Tot Ion: 75 Resp: 2993
 Ion Ratio Lower Upper
 75 100
 77 38.4 21.8 40.6



#46
 Tetrachloroethene
 Concen: 15.036 ug/L
 RT: 8.56 min Scan# 2246
 Delta R.T. 0.00 min
 Lab File: VU039675.D
 Acq: 24 Jul 2020 19:30

Tgt Ion:164 Resp: 16727
 Ion Ratio Lower Upper
 164 100
 129 91.5 71.1 132.1
 131 92.1 70.3 130.5
 166 113.2 87.8 163.0





#49

Dibromochloromethane

Concen: 9.660 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039675.D

Acq: 24 Jul 2020 19:30

Instrument :

MSVOA_U

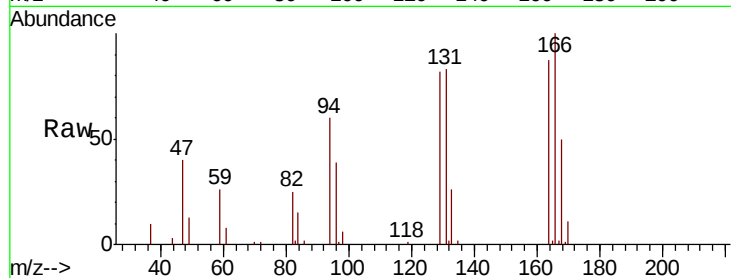
ClientSampleId :

Tot Ion:129 Resp: 15658

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.56

10000

8000

6000

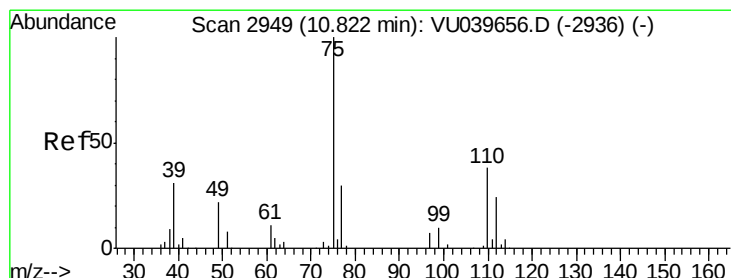
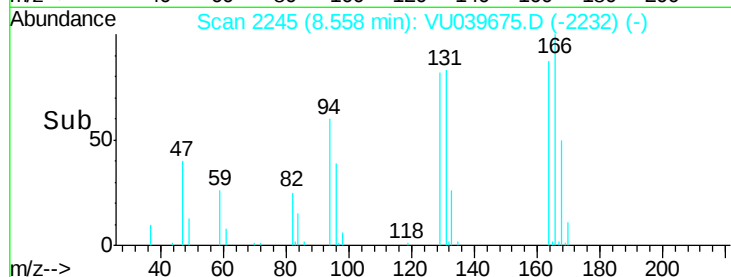
4000

2000

0

8.50 8.55 8.60

Time-->



#59

1,2,3-Trichloropropane

Concen: 5.781 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039675.D

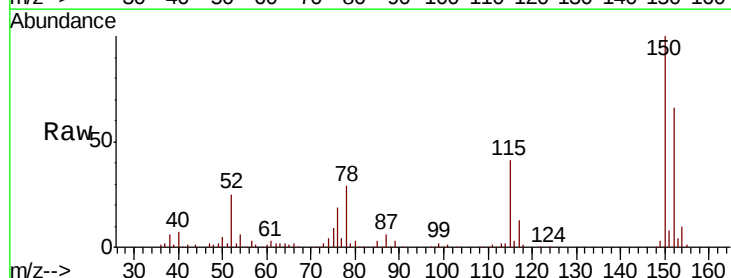
Acq: 24 Jul 2020 19:30

Tgt Ion: 75 Resp: 12628

Ion Ratio Lower Upper

75 100

77 40.6 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

8000

6000

4000

2000

0

11.75 11.80 11.85

Time-->

