

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072420\
 Data File : VU039673.D
 Acq On : 24 Jul 2020 18:46
 Operator : SY/MD
 Sample : L3422-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 25 06:51:31 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	208192	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	200368	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	93073	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	51232	37.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.60%
7) Chloroethane-d5	1.92	69	55628	34.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	68.50%#
11) 1,1-Dichloroethene-d2	2.58	63	87516	30.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.00%
21) 2-Butanone-d5	4.65	46	138564	88.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.56%
24) Chloroform-d	5.08	84	124435	40.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.66%
26) 1,2-Dichloroethane-d4	5.72	65	91435	41.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.96%
32) Benzene-d6	5.75	84	236784	42.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.12%
36) 1,2-Dichloropropane-d6	6.71	67	80056	43.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.76%
41) Toluene-d8	7.91	98	216865	41.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.84%
43) trans-1,3-Dichloropropene-	8.19	79	37187	40.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.76%
47) 2-Hexanone-d5	8.64	63	85129	85.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.54%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	121052	41.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	87953	43.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.42%

Target Compounds

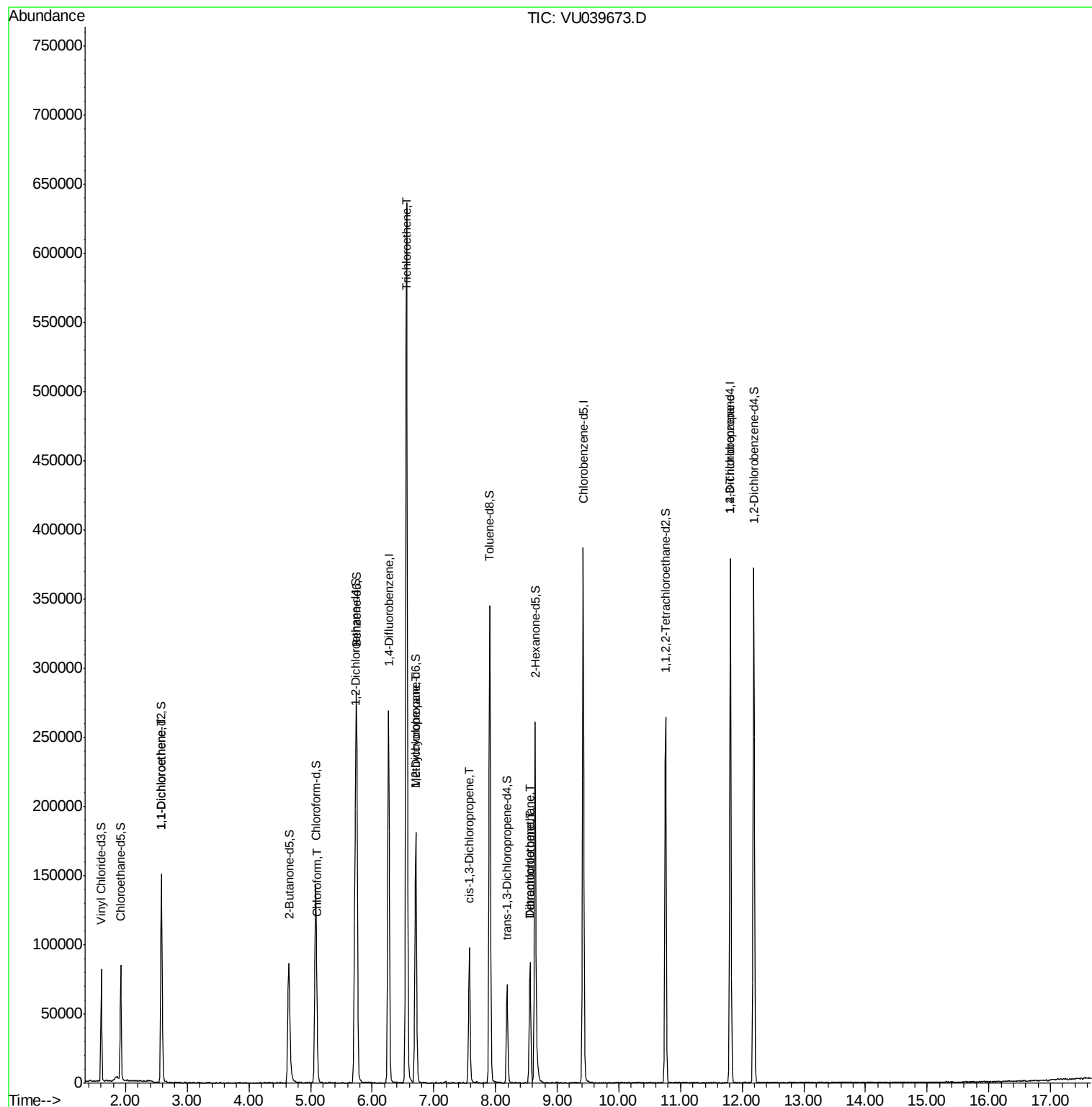
					Ovalue
12) 1,1-Dichloroethene	2.59	96	1537	1.294 ug/L #	1
25) Chloroform	5.11	83	4683	1.637 ug/L	92
34) Trichloroethene	6.56	95	205749	140.862 ug/L	99
35) Methylcyclohexane	6.71	83	18024	7.981 ug/L #	18
39) cis-1,3-Dichloropropene	7.57	75	2956	1.323 ug/L	87
46) Tetrachloroethene	8.56	164	17322	15.678 ug/L	97
49) Dibromochloromethane	8.56	129	17569	10.914 ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	14138	6.517 ug/L	94

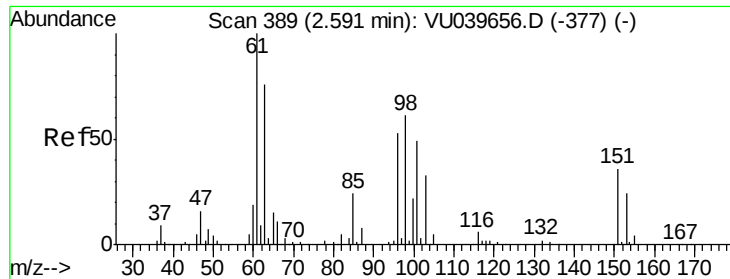
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 25 06:47:25 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.294 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU039673.D

Acq: 24 Jul 2020 18:46

Instrument :

MSVOA_U

ClientSampled :

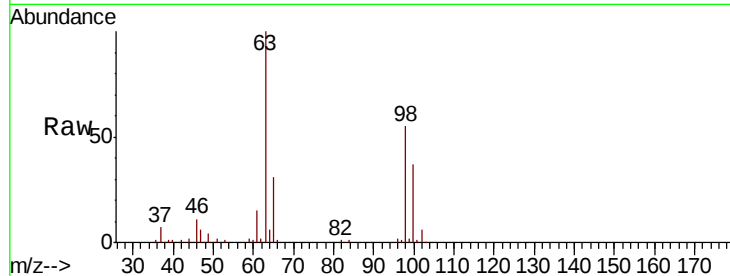
Tot Ion: 96 Resp: 1537

Ion Ratio Lower Upper

96 100

61 814.9 136.6 253.6#

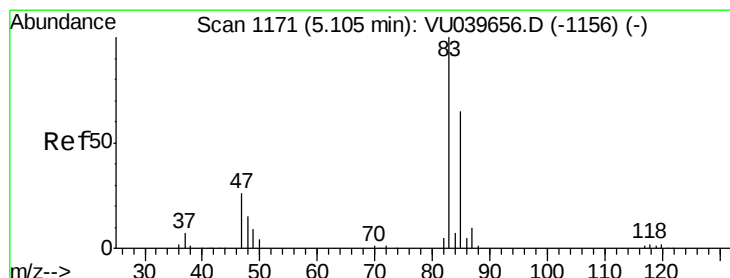
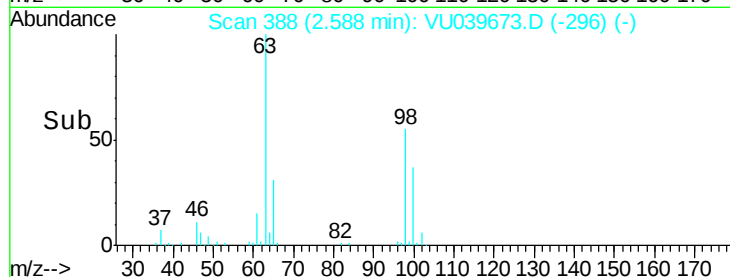
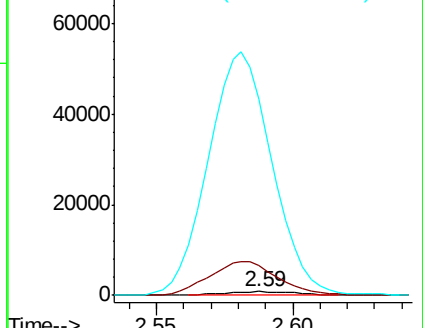
63 5367.7 97.2 180.6#



Abundance Ion 96.00 (95.70 to 96.70): VU039673.D (-296) (-)

Ion 61.00 (60.70 to 61.70): VU039673.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU039673.D (-296) (-)



#25

Chloroform

Concen: 1.637 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU039673.D

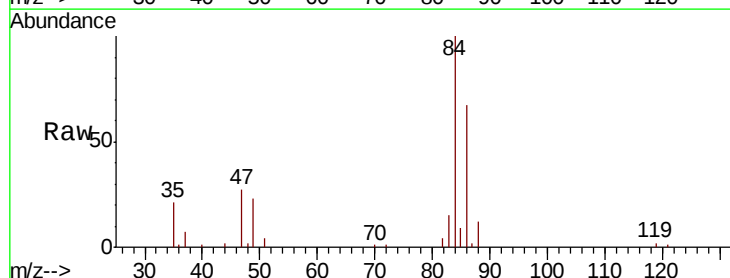
Acq: 24 Jul 2020 18:46

Tgt Ion: 83 Resp: 4683

Ion Ratio Lower Upper

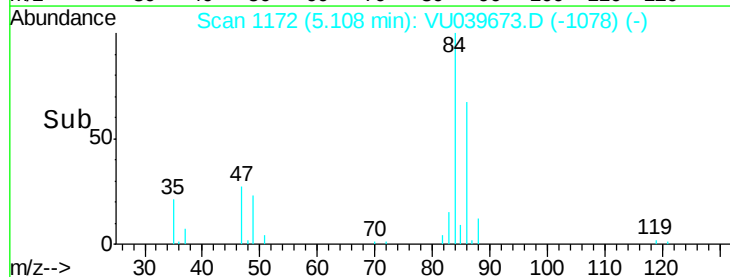
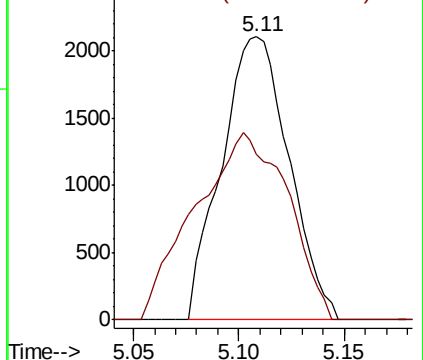
83 100

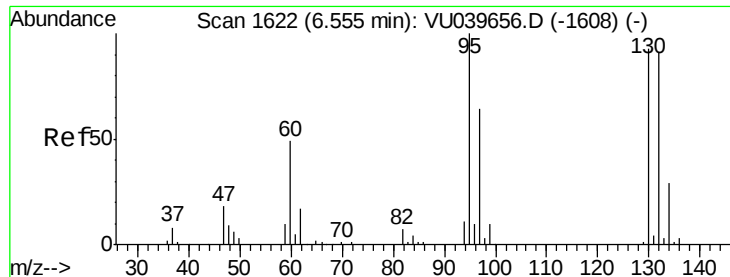
85 58.6 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU039673.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU039673.D (-1078) (-)





#34

Trichloroethene

Concen: 140.862 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039673.D

Acq: 24 Jul 2020 18:46

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 205749

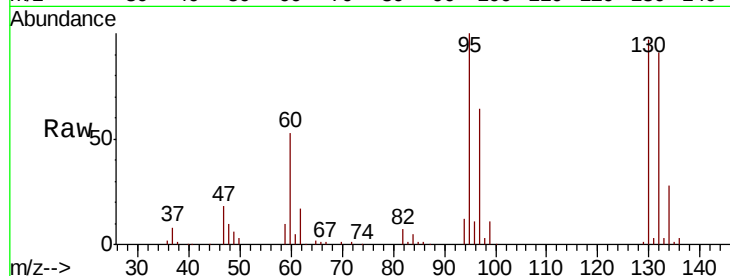
Ion Ratio Lower Upper

95 100

97 63.7 45.5 84.5

132 91.3 65.0 120.6

130 96.6 67.9 126.1

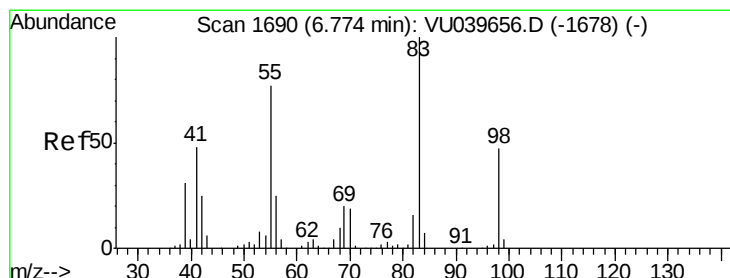
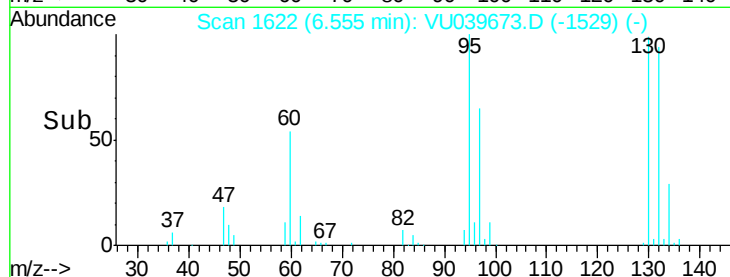
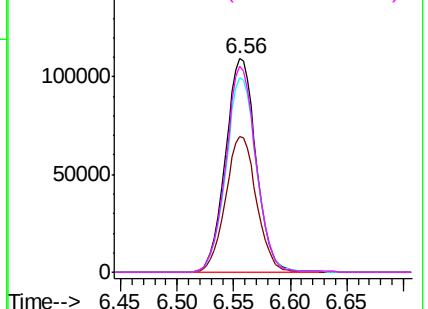


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 7.981 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU039673.D

Acq: 24 Jul 2020 18:46

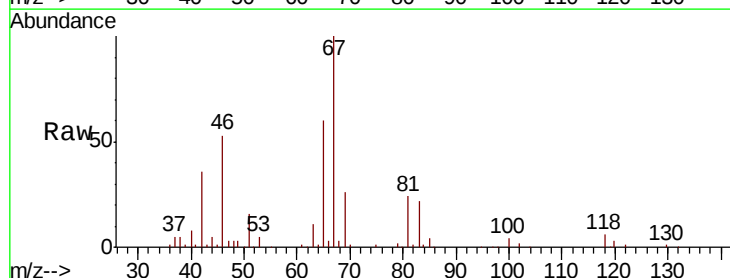
Tgt Ion: 83 Resp: 18024

Ion Ratio Lower Upper

83 100

55 0.4 62.9 94.3#

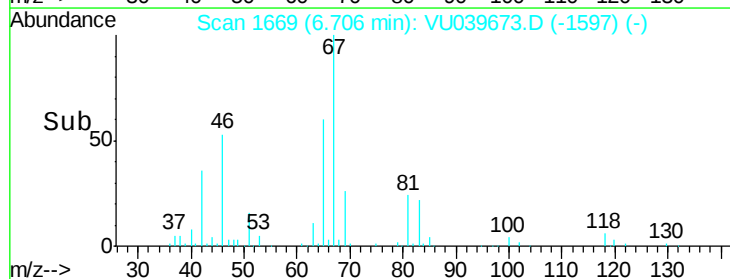
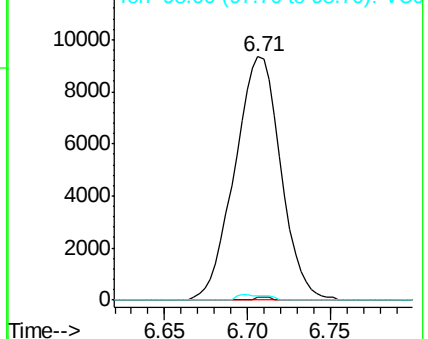
98 0.5 36.3 54.5#

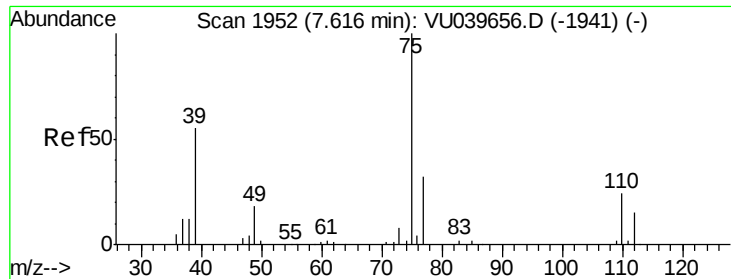


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

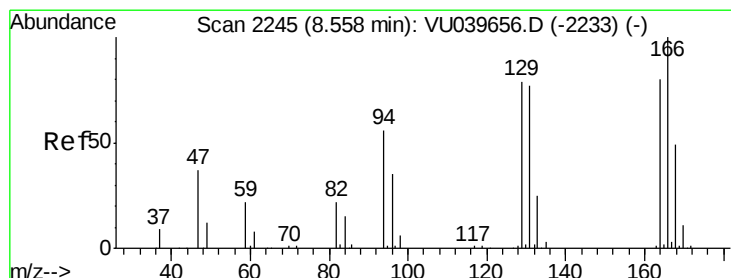
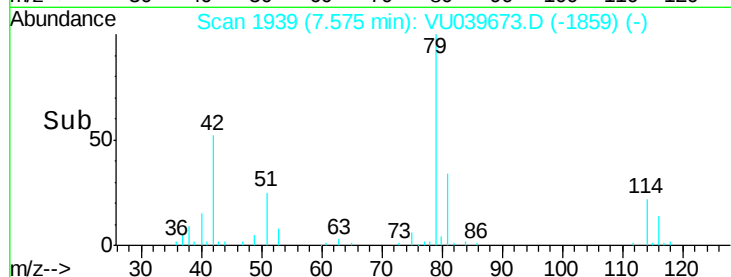
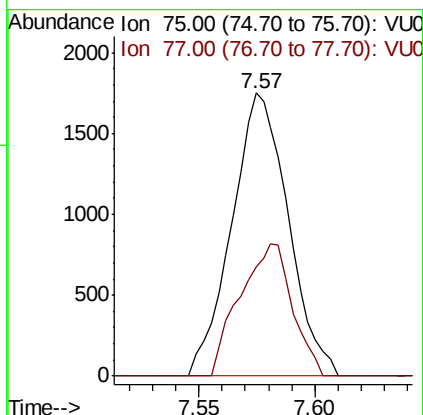
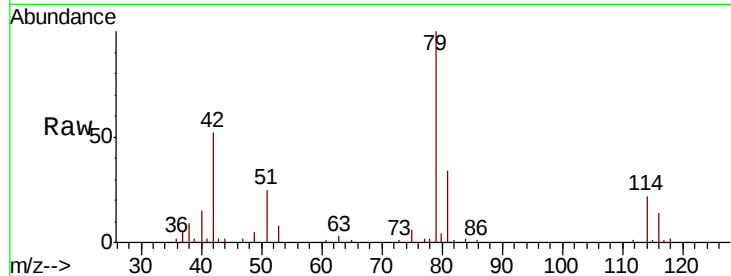




#39
 cis-1,3-Dichloropropene
 Concen: 1.323 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039673.D
 Acq: 24 Jul 2020 18:46

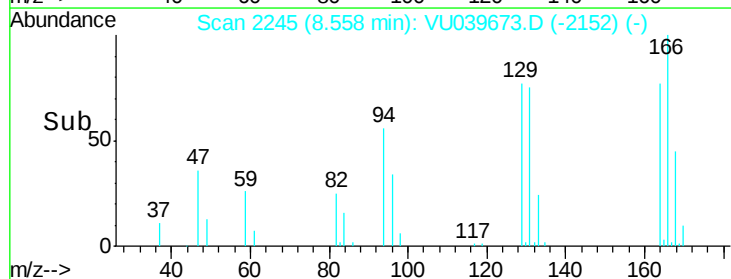
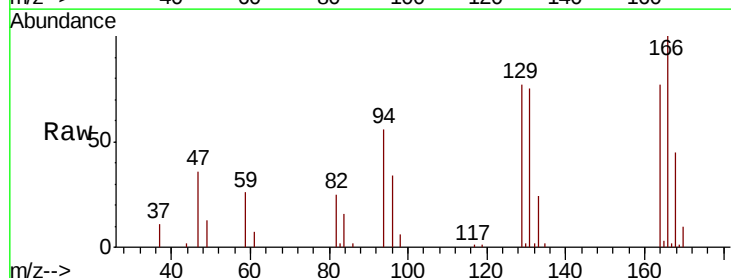
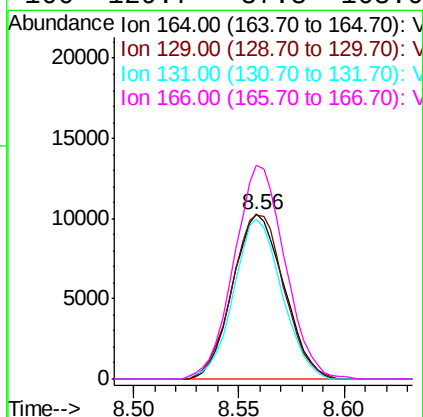
Instrument :
 MSVOA_U
 ClientSampleId :

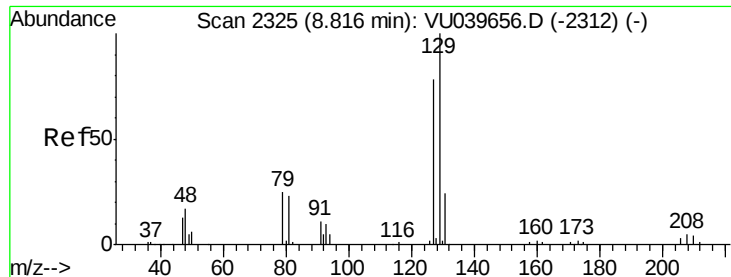
Tot Ion: 75 Resp: 2956
 Ion Ratio Lower Upper
 75 100
 77 38.6 21.8 40.6



#46
 Tetrachloroethene
 Concen: 15.678 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039673.D
 Acq: 24 Jul 2020 18:46

Tgt Ion:164 Resp: 17322
 Ion Ratio Lower Upper
 164 100
 129 99.4 71.1 132.1
 131 97.4 70.3 130.5
 166 129.7 87.8 163.0

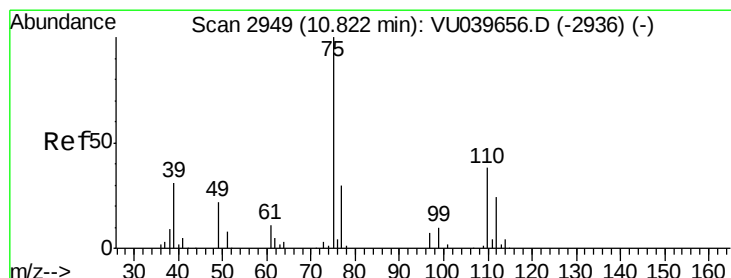
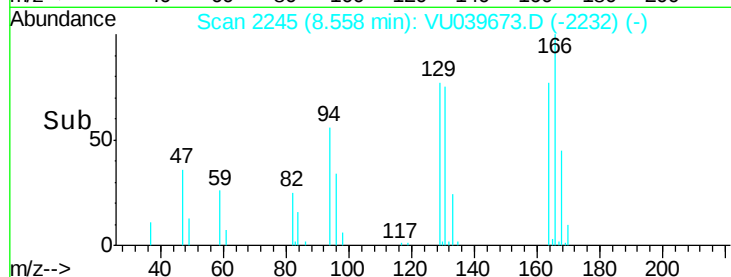
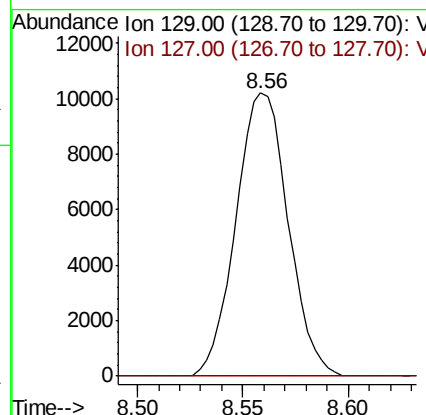
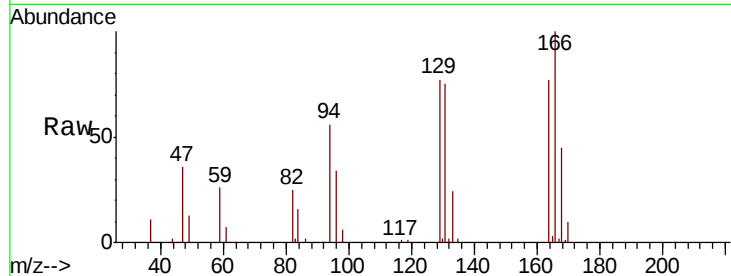




#49
 Dibromochloromethane
 Concen: 10.914 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.26 min
 Lab File: VU039673.D
 Acq: 24 Jul 2020 18:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:129 Resp: 17569
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.3 100.9#



#59
 1,2,3-Trichloropropane
 Concen: 6.517 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU039673.D
 Acq: 24 Jul 2020 18:46

Tgt Ion: 75 Resp: 14138
 Ion Ratio Lower Upper
 75 100
 77 35.2 25.4 38.2

