

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
 Data File : VU039115.D
 Acq On : 25 Jun 2020 14:52
 Operator : SY/MD
 Sample : L3109-10DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F34DL

Quant Time: Jun 26 01:02:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 00:59:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	256586	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	261220	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	109496	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	86427	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.93	69	83708	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.80%
11) 1,1-Dichloroethene-d2	2.59	63	131134	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.68	46	427108	62.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.98%
24) Chloroform-d	5.10	84	198588	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
26) 1,2-Dichloroethane-d4	5.74	65	124914	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.00%
32) Benzene-d6	5.76	84	370771	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.72	67	129179	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	7.92	98	280621	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	8.20	79	50544	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.65	63	324677	59.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.92%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	117408	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	114277	5.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.00%

Target Compounds

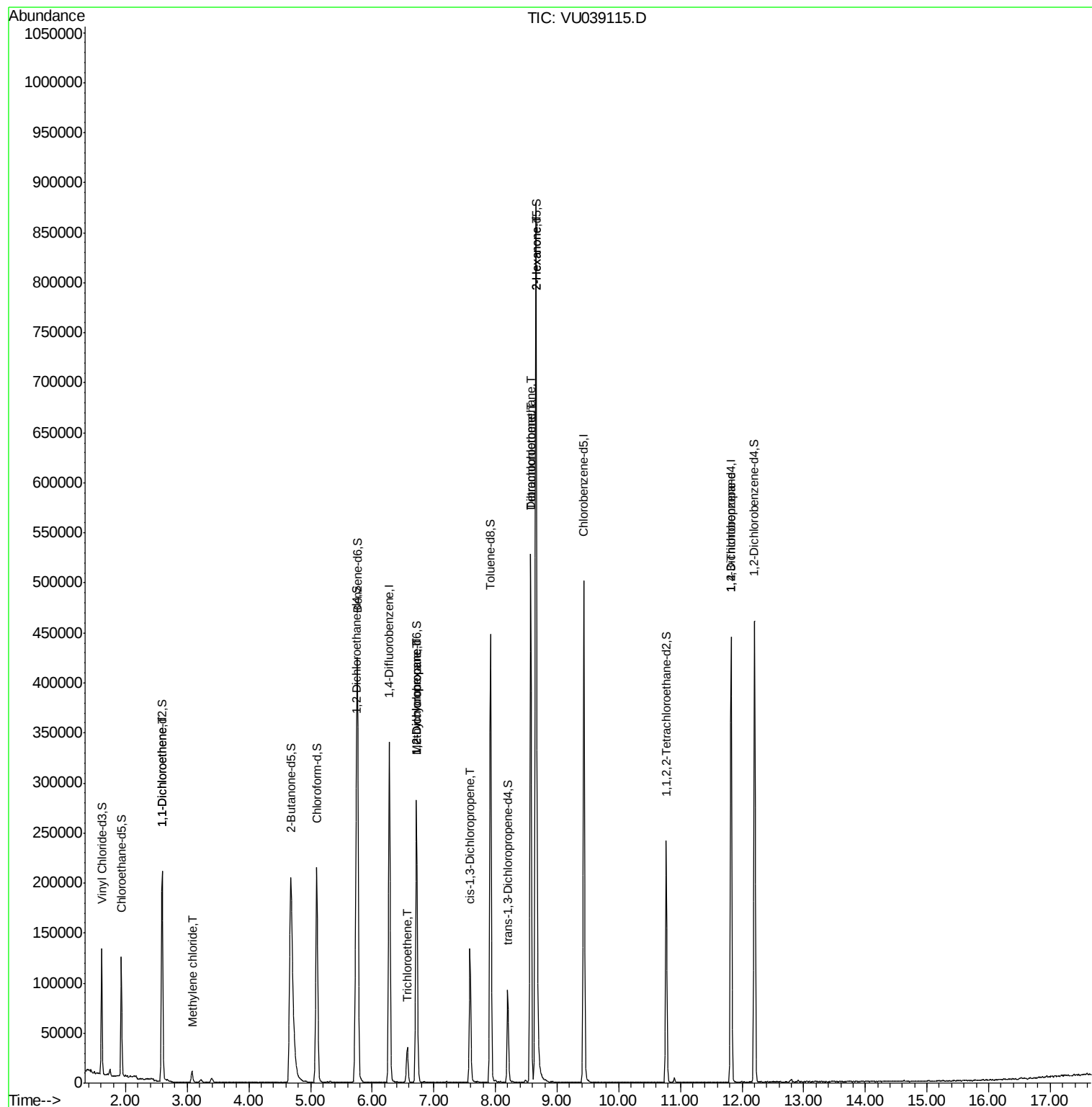
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	1094	0.062	ug/L #	1
16) Methylene chloride	3.08	84	5204	0.237	ug/L	95
34) Trichloroethene	6.57	95	11286	0.569	ug/L	95
35) Methylcyclohexane	6.72	83	29657	1.007	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	14533	0.654	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	4029	0.131	ug/L	95
47) Tetrachloroethene	8.57	164	108958	7.615	ug/L	99
48) 2-Hexanone	8.66	43	44898	3.690	ug/L #	67
49) Dibromochloromethane	8.57	129	108073	6.014	ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	14849	0.886	ug/L #	88

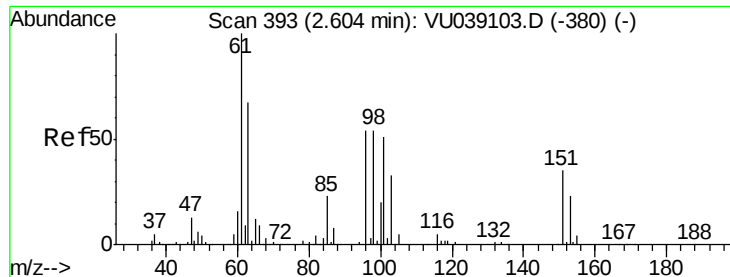
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 26 00:59:08 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.062 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.02 min

Lab File: VU039115.D

Acq: 25 Jun 2020 14:52

Instrument :

MSVOA_U

ClientSampled :

F9F34DL

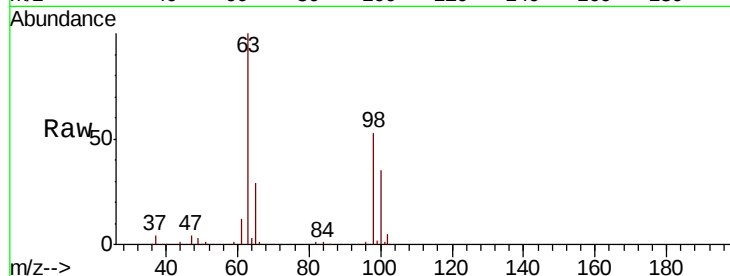
Tot Ion: 96 Resp: 1094

Ion Ratio Lower Upper

96 100

61 1177.5 125.1 232.3#

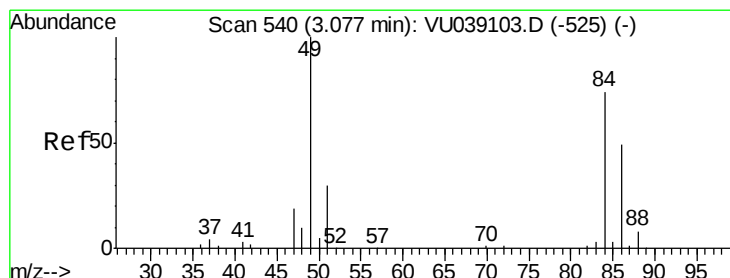
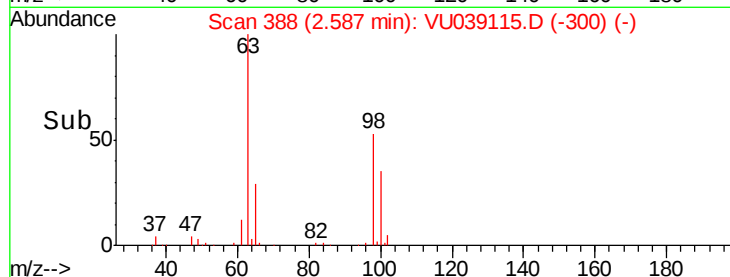
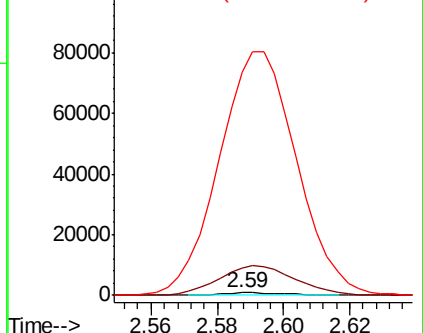
63 9427.1 82.3 152.8#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#16

Methylene chloride

Concen: 0.237 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU039115.D

Acq: 25 Jun 2020 14:52

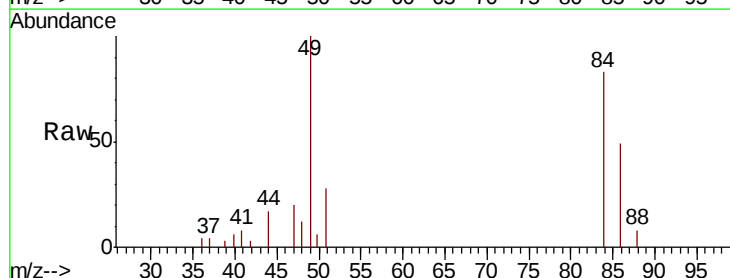
Tgt Ion: 84 Resp: 5204

Ion Ratio Lower Upper

84 100

86 59.0 44.1 81.9

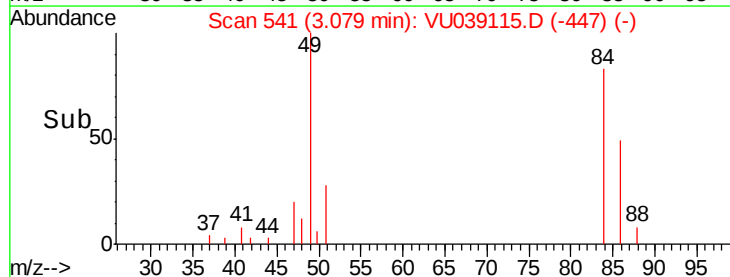
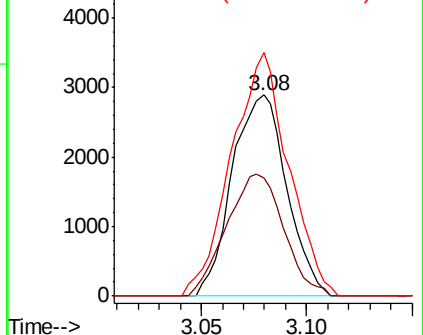
49 127.9 93.1 172.9

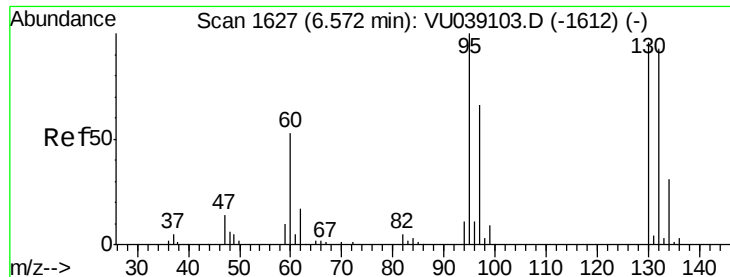


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#34

Trichloroethene

Concen: 0.569 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU039115.D

Acq: 25 Jun 2020 14:52

Instrument :

MSVOA_U

ClientSampleId :

F9F34DL

Tot Ion: 95 Resp: 11286

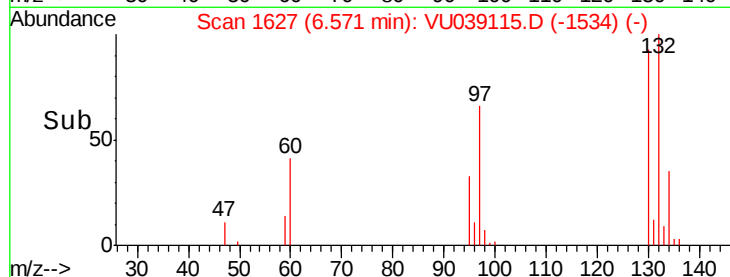
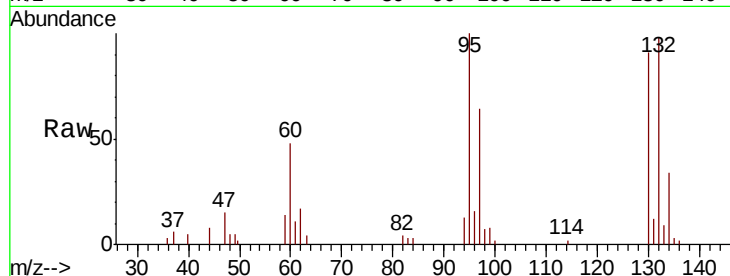
Ion Ratio Lower Upper

95 100

97 64.4 45.1 83.7

132 97.7 65.1 120.9

130 90.8 68.6 127.4

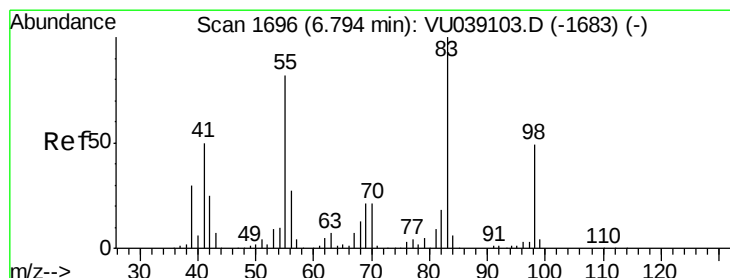
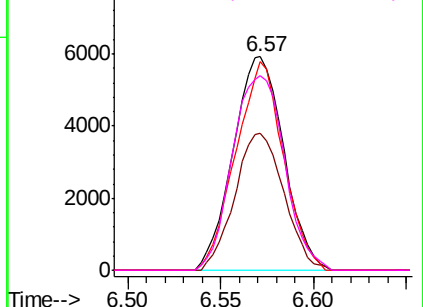


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 1.007 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU039115.D

Acq: 25 Jun 2020 14:52

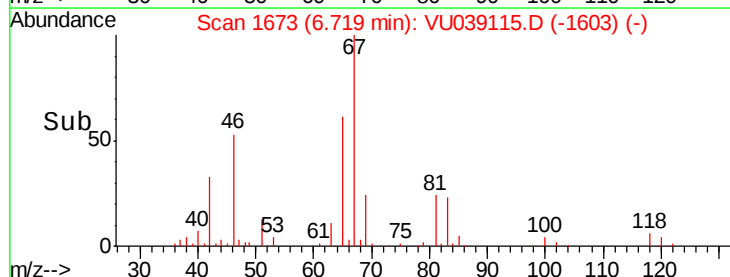
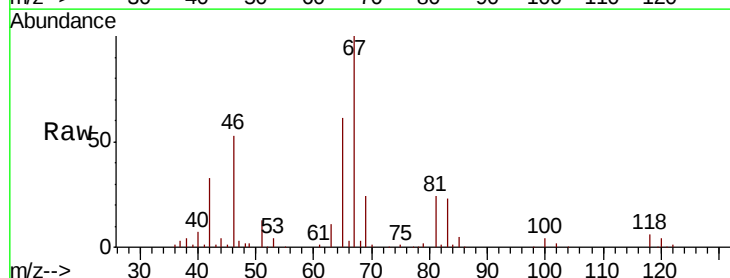
Tgt Ion: 83 Resp: 29657

Ion Ratio Lower Upper

83 100

55 0.5 65.5 98.3#

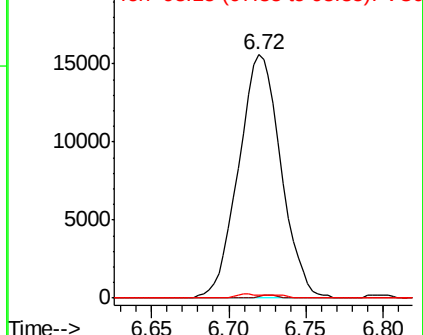
98 0.5 36.5 54.7#

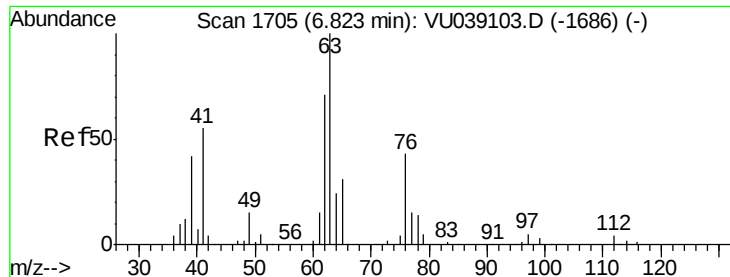


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

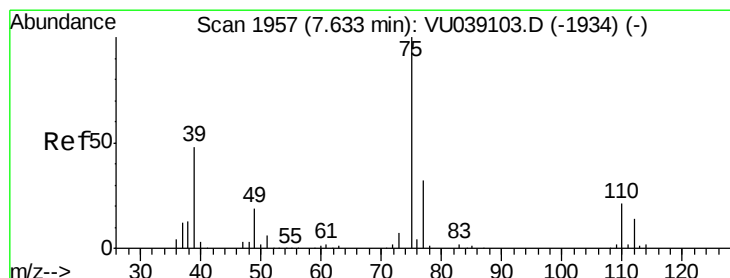
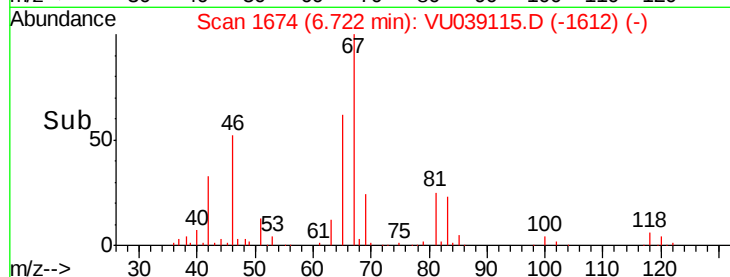
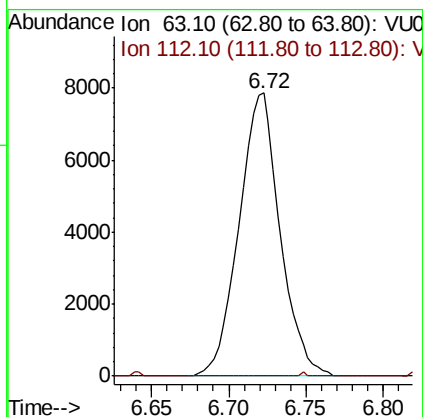
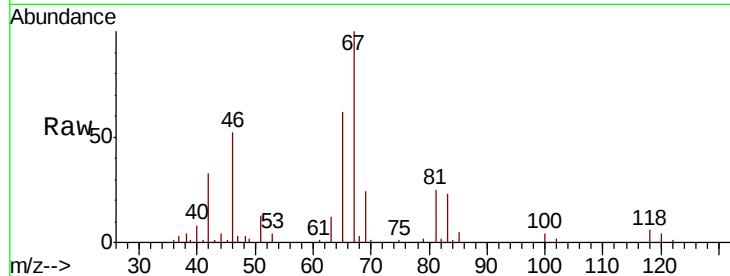




#37
 1,2-Dichloropropane
 Concen: 0.654 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU039115.D
 Acq: 25 Jun 2020 14:52

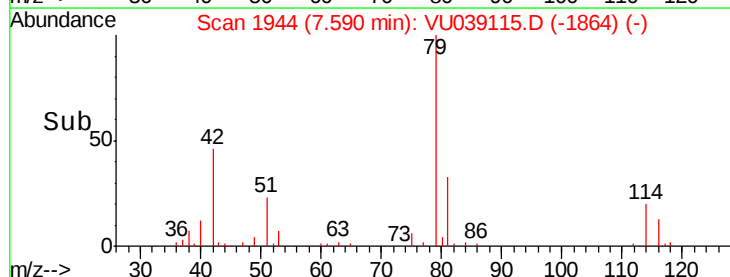
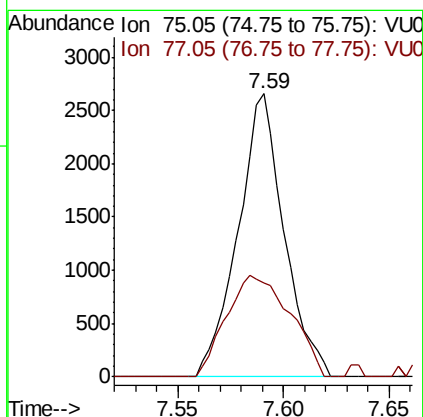
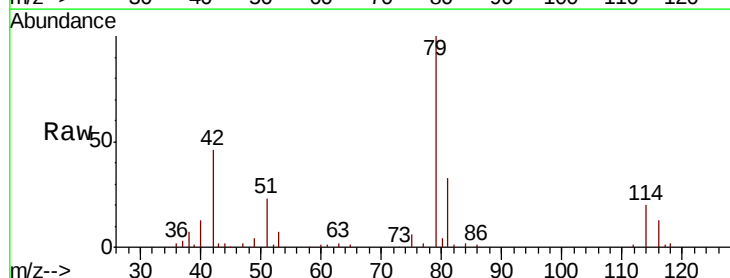
Instrument :
 MSVOA_U
 ClientSampleId :
 F9F34DL

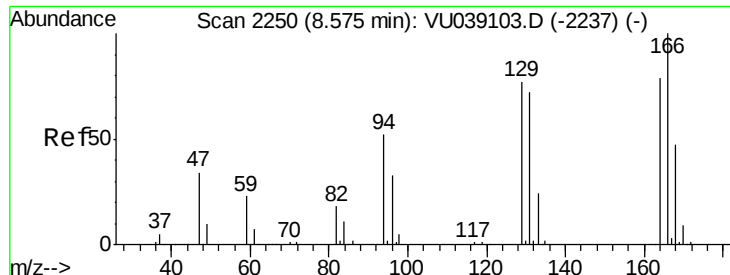
Tot Ion: 63 Resp: 14533
 Ion Ratio Lower Upper
 63 100
 112 0.1 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.131 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU039115.D
 Acq: 25 Jun 2020 14:52

Tgt Ion: 75 Resp: 4029
 Ion Ratio Lower Upper
 75 100
 77 33.4 21.6 40.0





#47

Tetrachloroethene

Concen: 7.615 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU039115.D

Acq: 25 Jun 2020 14:52

Instrument :

MSVOA_U

ClientSampleId :

F9F34DL

Tot Ion:164 Resp: 108958

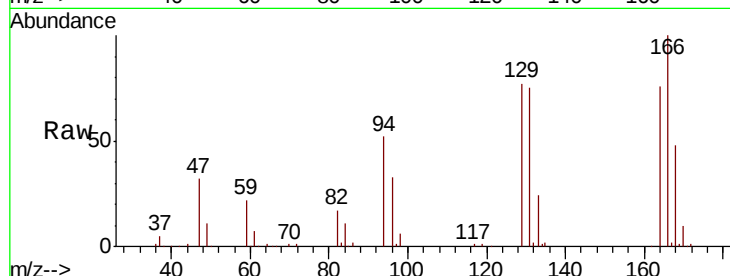
Ion Ratio Lower Upper

164 100

129 101.4 71.3 132.5

131 98.0 68.3 126.8

166 131.3 90.8 168.6

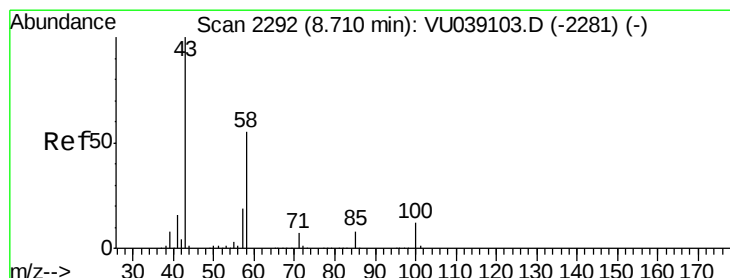
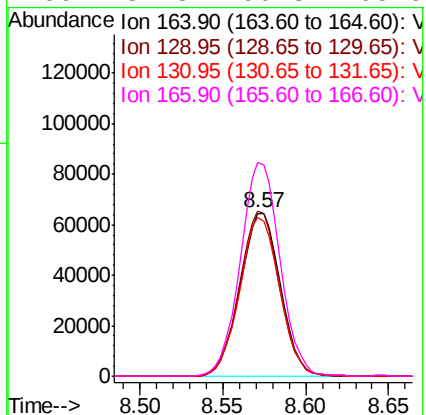
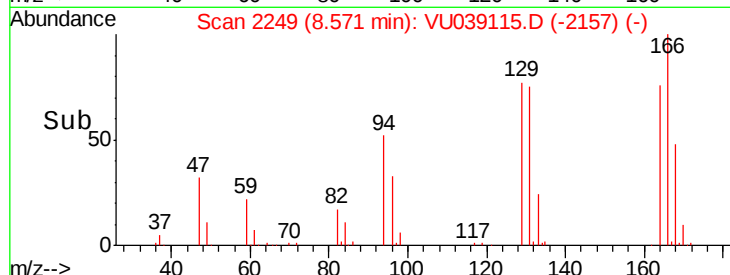


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 3.690 ug/L

RT: 8.66 min Scan# 2276

Delta R.T. -0.05 min

Lab File: VU039115.D

Acq: 25 Jun 2020 14:52

Tgt Ion: 43 Resp: 44898

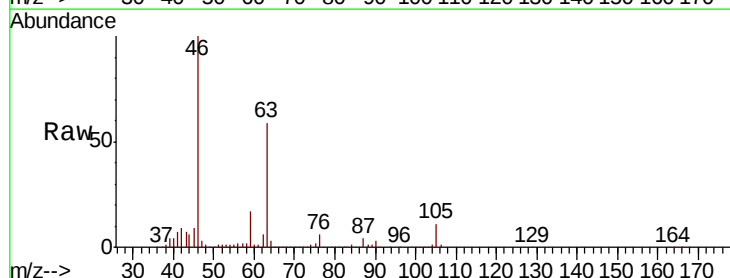
Ion Ratio Lower Upper

43 100

58 27.3 44.0 66.0#

57 28.8 15.0 22.6#

100 0.9 9.4 14.2#

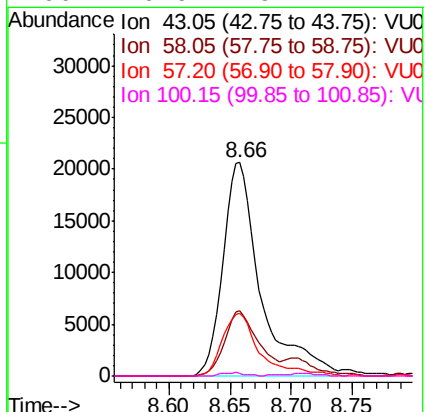
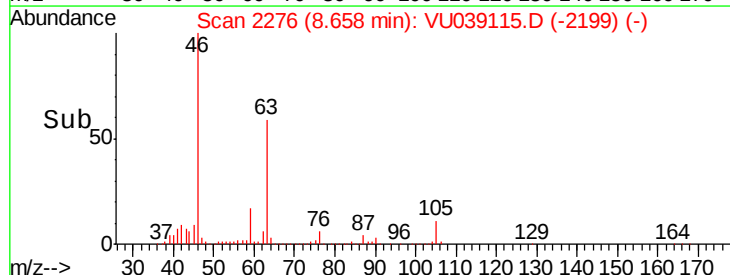


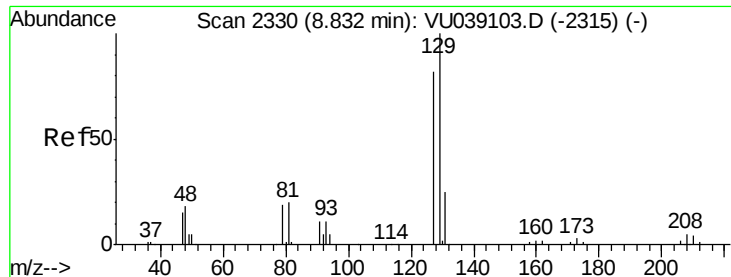
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 6.014 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU039115.D

Acq: 25 Jun 2020 14:52

Instrument :

MSVOA_U

ClientSampleId :

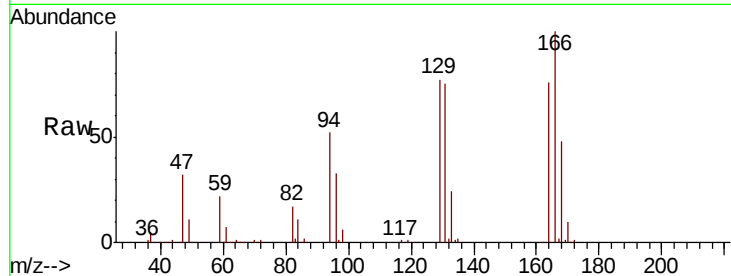
F9F34DL

Tot Ion:129 Resp: 108073

Ion Ratio Lower Upper

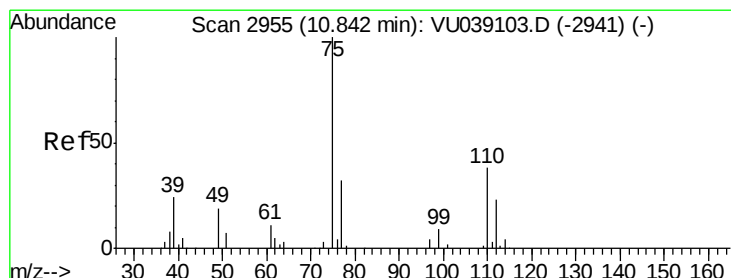
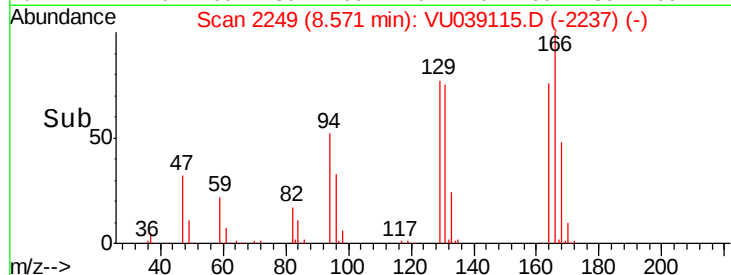
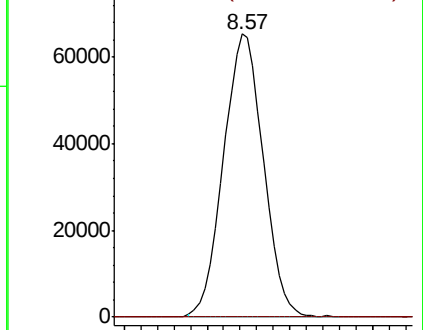
129 100

127 0.0 55.4 103.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.886 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU039115.D

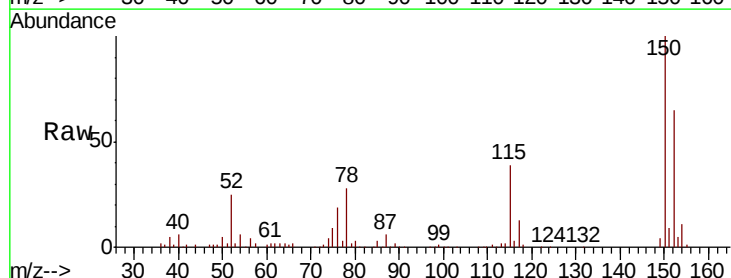
Acq: 25 Jun 2020 14:52

Tgt Ion: 75 Resp: 14849

Ion Ratio Lower Upper

75 100

77 39.4 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

