

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
 Data File : VU039134.D
 Acq On : 25 Jun 2020 23:55
 Operator : SY/MD
 Sample : L3121-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F11

Quant Time: Jun 26 04:22:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 04:20:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	255932	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	259183	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	107112	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	72109	3.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.00%
7) Chloroethane-d5	1.93	69	74258	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.59	63	112845	3.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.60%
20) 2-Butanone-d5	4.67	46	394456	58.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.64%
24) Chloroform-d	5.10	84	182378	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.74	65	115398	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.76	84	339304	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.72	67	115962	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.92	98	263365	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	8.20	79	47157	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.65	63	302895	55.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.82%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108722	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	109361	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

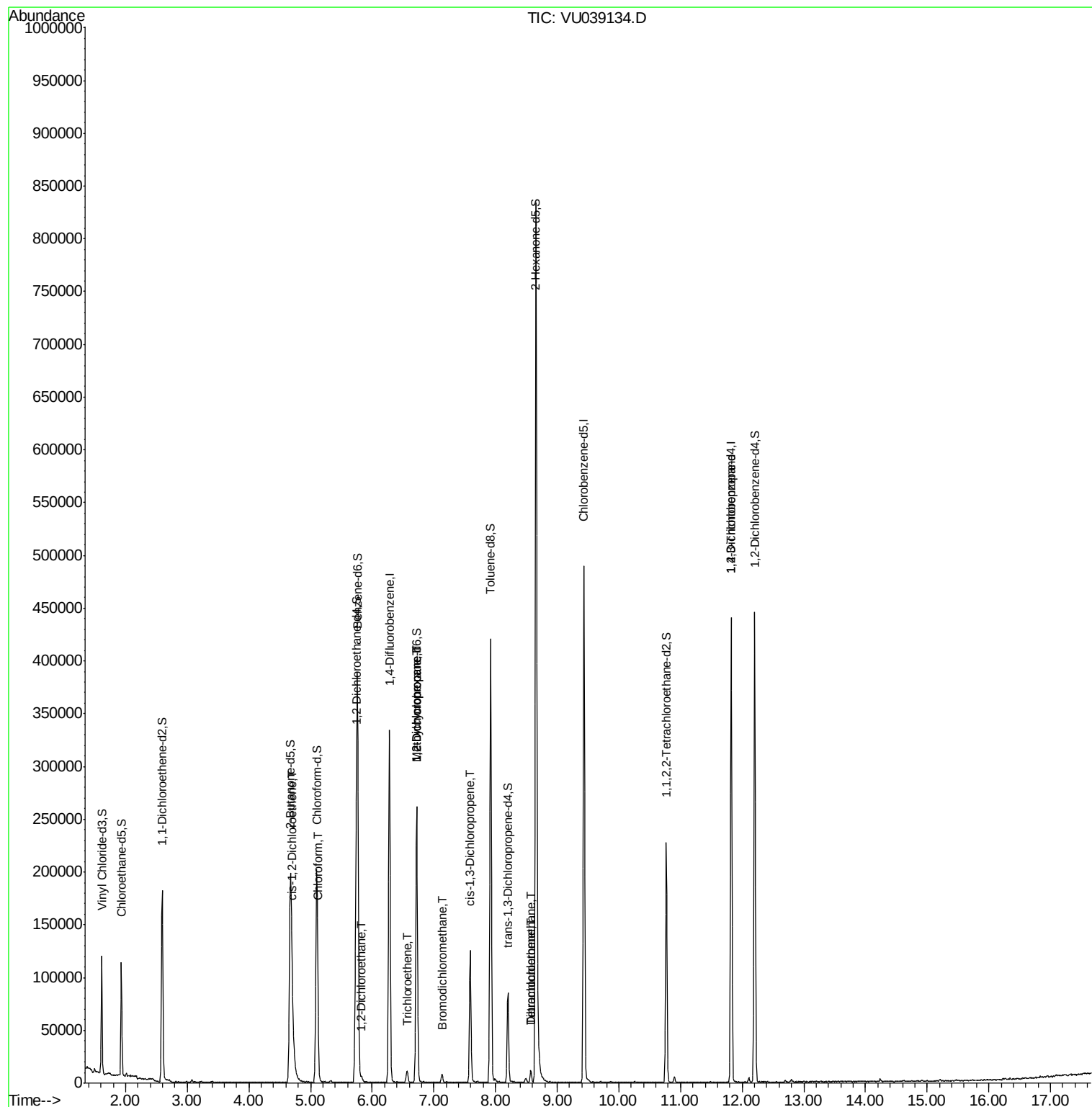
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
22) cis-1,2-Dichloroethene	4.71	96	3182	0.155	ug/L	99
25) Chloroform	5.12	83	6069	0.160	ug/L	86
27) 1,2-Dichloroethane	5.83	62	3878	0.144	ug/L #	93
34) Trichloroethene	6.57	95	2667	0.135	ug/L	87
35) Methylcyclohexane	6.72	83	27718	0.948	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	12762	0.578	ug/L #	88
38) Bromodichloromethane	7.13	83	5432	0.197	ug/L	84
39) cis-1,3-Dichloropropene	7.58	75	3532	0.116	ug/L #	68
47) Tetrachloroethene	8.57	164	2271	0.160	ug/L	90
49) Dibromochloromethane	8.57	129	2206	0.124	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	14559	0.875	ug/L #	87

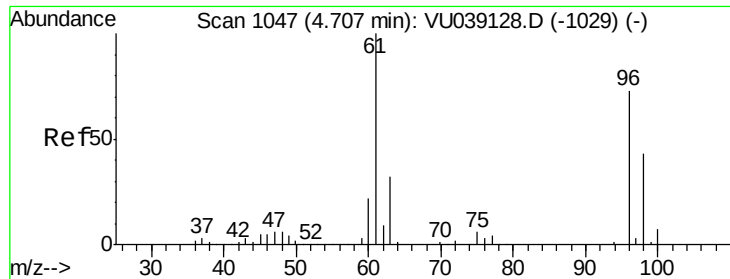
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#22

cis-1,2-Dichloroethene

Concen: 0.155 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU039134.D

Acq: 25 Jun 2020 23:55

Instrument :

MSVOA_U

ClientSampled :

F9F11

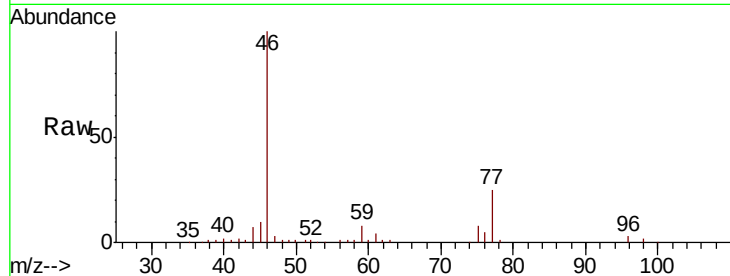
Tot Ion: 96 Resp: 3182

Ion Ratio Lower Upper

96 100

61 142.4 100.8 187.2

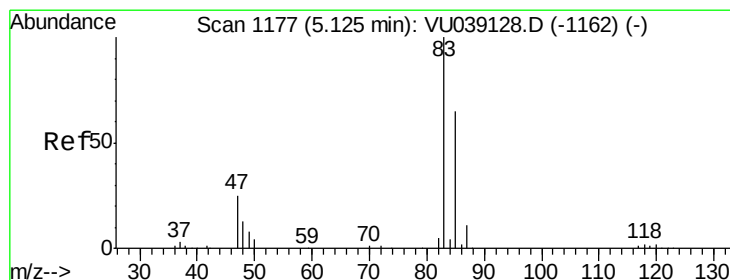
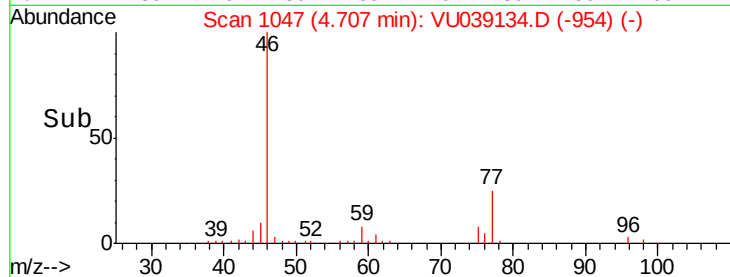
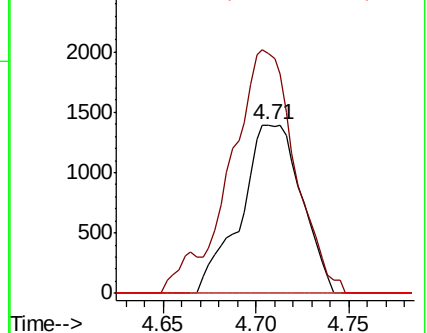
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.160 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU039134.D

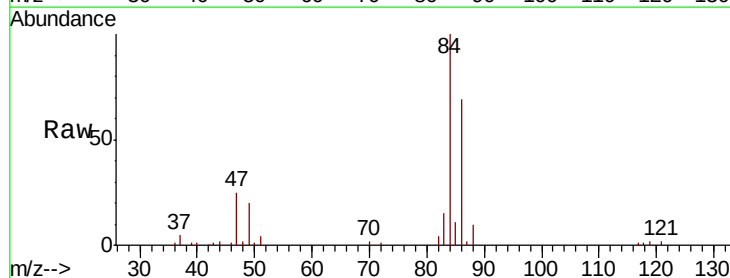
Acq: 25 Jun 2020 23:55

Tgt Ion: 83 Resp: 6069

Ion Ratio Lower Upper

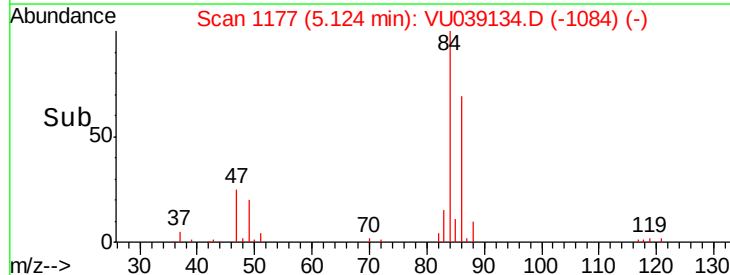
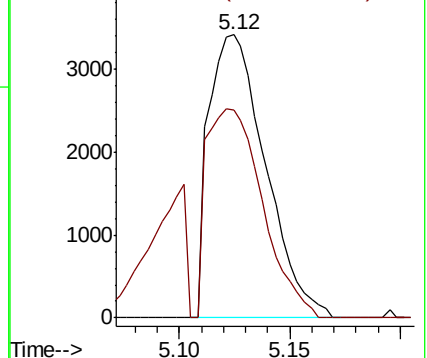
83 100

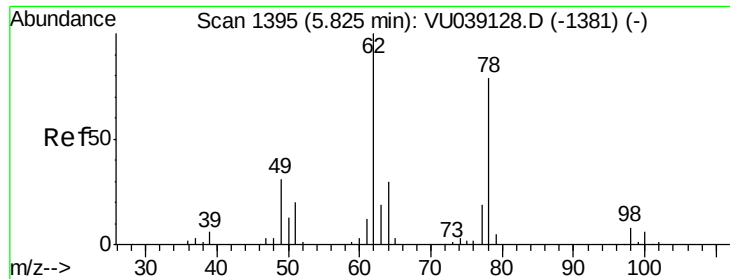
85 73.6 43.8 81.4



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

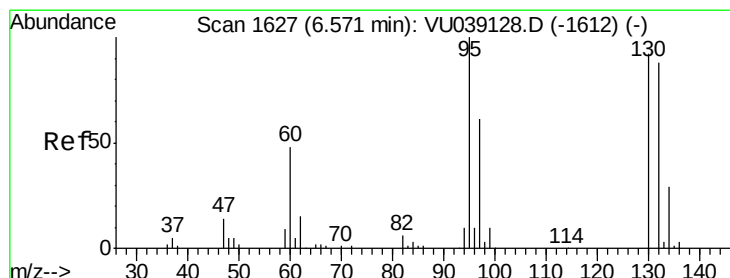
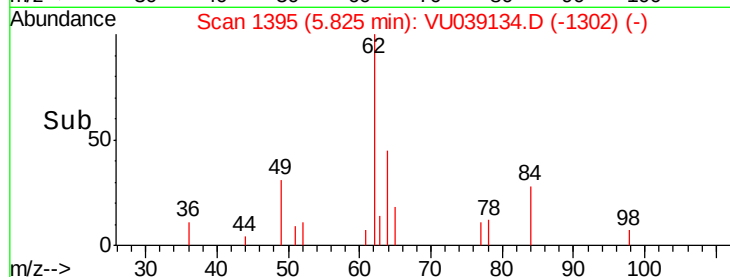
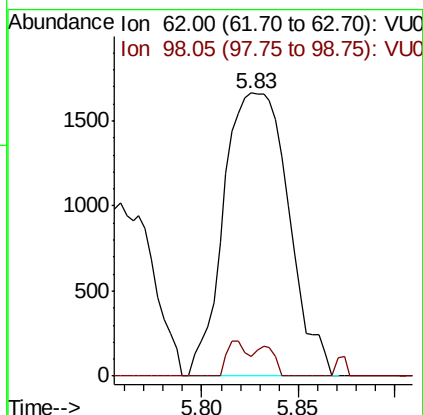
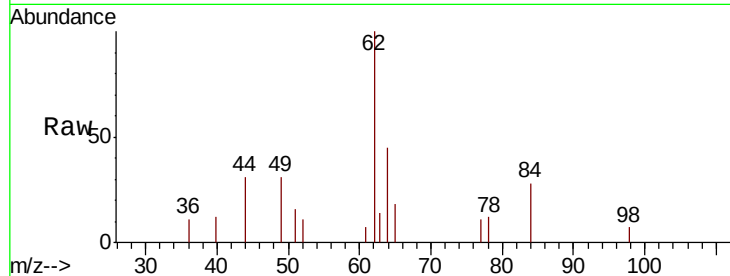




#27
 1,2-Dichloroethane
 Concen: 0.144 ug/L
 RT: 5.83 min Scan# 1395
 Delta R.T. -0.00 min
 Lab File: VU039134.D
 Acq: 25 Jun 2020 23:55

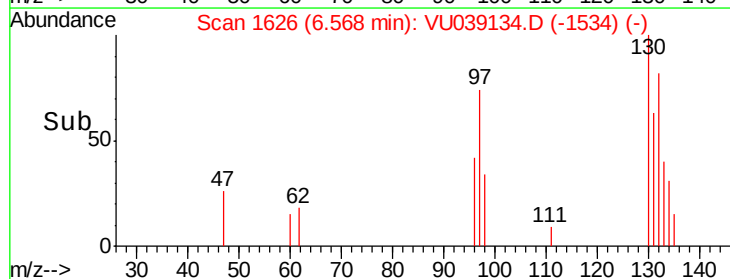
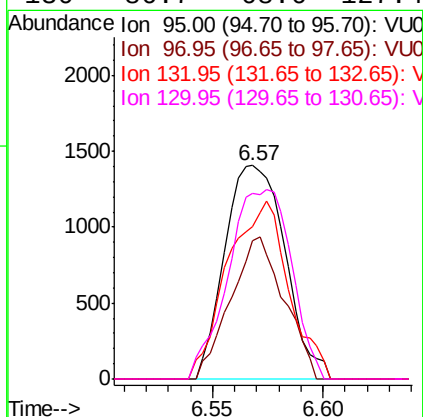
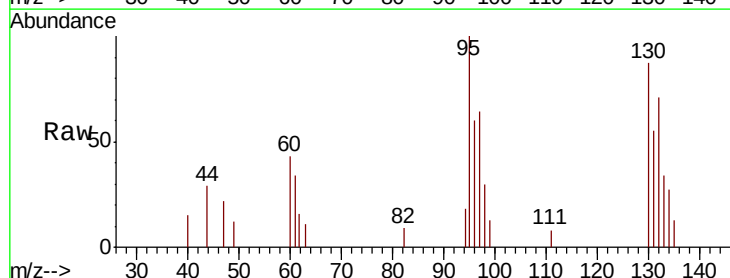
Instrument :
 MSVOA_U
 ClientSampleId :
 F9F11

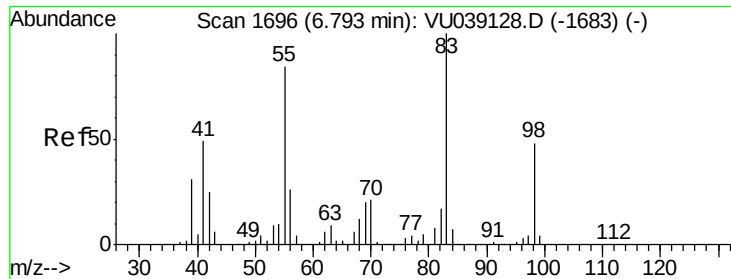
Tot Ion: 62 Resp: 3878
 Ion Ratio Lower Upper
 62 100
 98 6.9 7.7 11.5#



#34
 Trichloroethene
 Concen: 0.135 ug/L
 RT: 6.57 min Scan# 1626
 Delta R.T. -0.00 min
 Lab File: VU039134.D
 Acq: 25 Jun 2020 23:55

Tgt Ion: 95 Resp: 2667
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.1 83.7
 132 71.4 65.1 120.9
 130 86.7 68.6 127.4

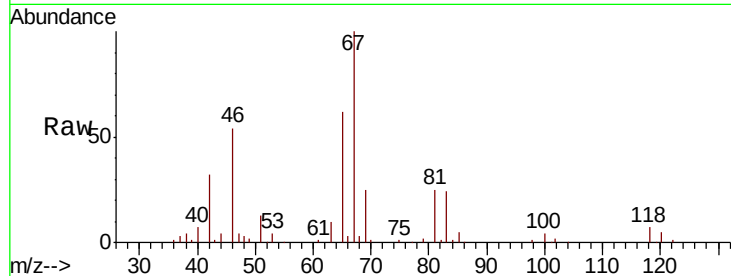




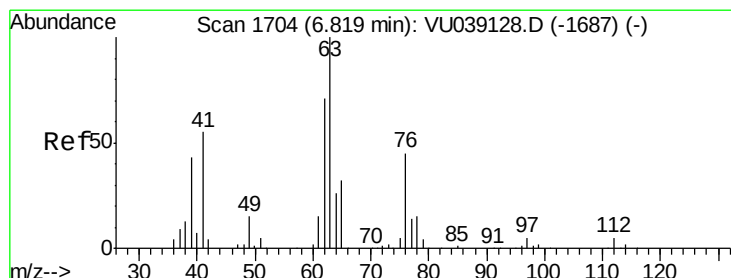
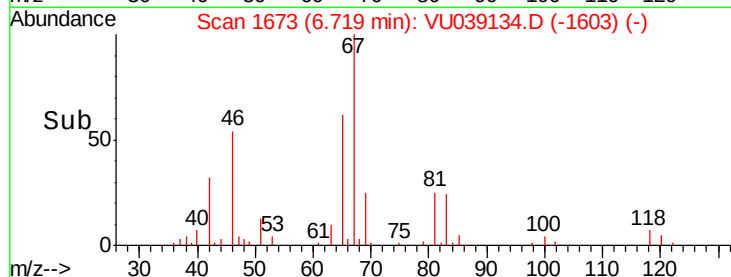
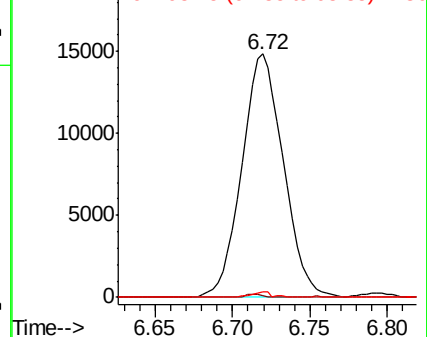
#35
Methylvlcyclohexane
Concen: 0.948 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU039134.D
Acq: 25 Jun 2020 23:55

Instrument :
MSVOA_U
ClientSampleId :
F9F11

Tot Ion: 83 Resp: 27718
Ion Ratio Lower Upper
83 100
55 0.5 65.5 98.3#
98 1.1 36.5 54.7#

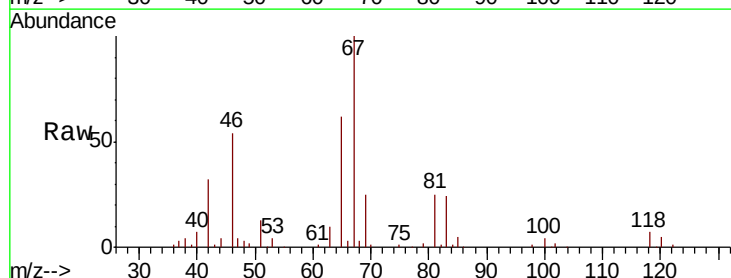


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

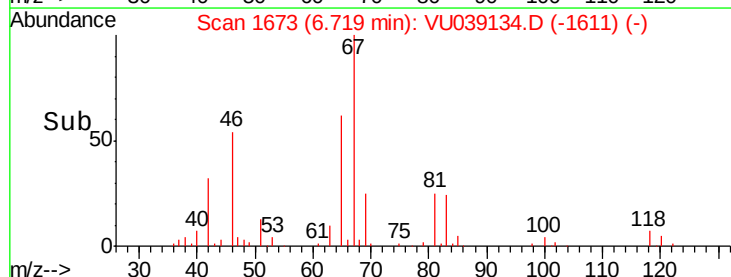
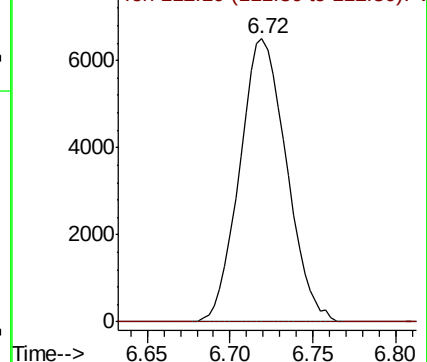


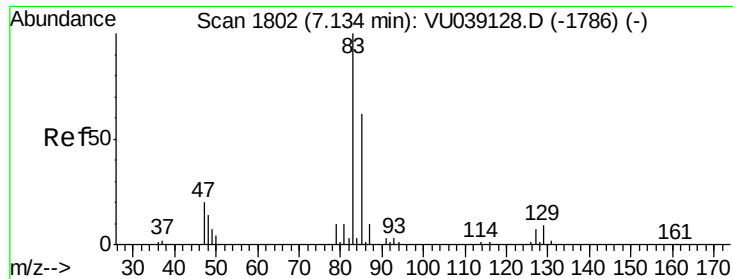
#37
1,2-Dichloropropane
Concen: 0.578 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU039134.D
Acq: 25 Jun 2020 23:55

Tgt Ion: 63 Resp: 12762
Ion Ratio Lower Upper
63 100
112 0.4 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

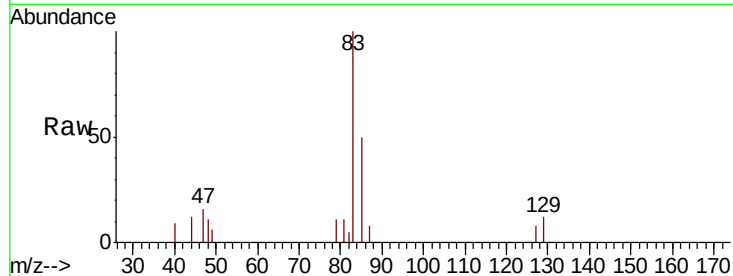




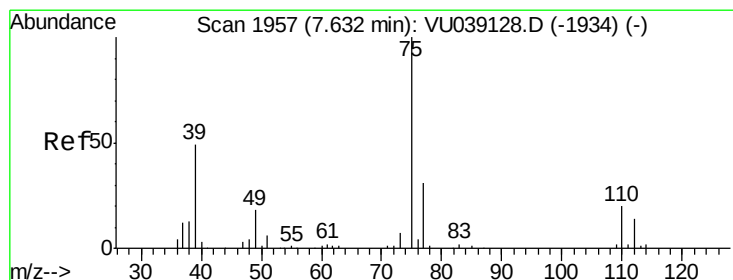
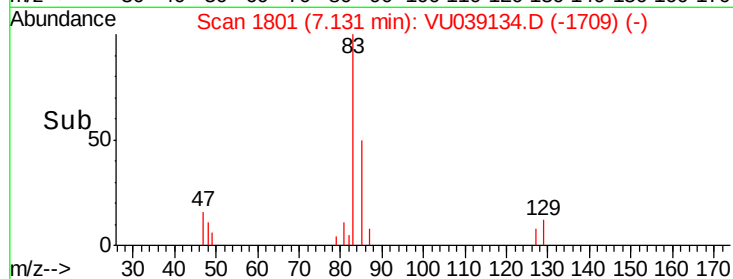
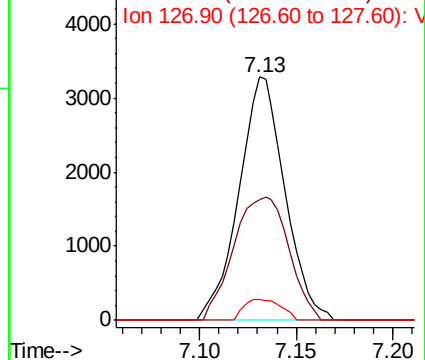
#38
Bromodichloromethane
Concen: 0.197 ug/L
RT: 7.13 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VU039134.D
Acq: 25 Jun 2020 23:55

Instrument :
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F9F11

Tot Ion: 83 Resp: 5432
Ion Ratio Lower Upper
83 100
85 49.8 44.9 83.3
127 8.5 6.3 9.5

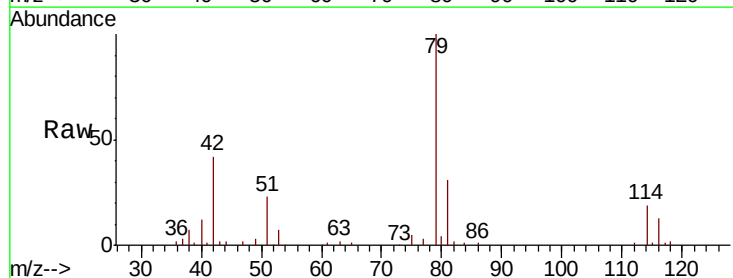


Abundance Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 126.90 (126.60 to 127.60): V

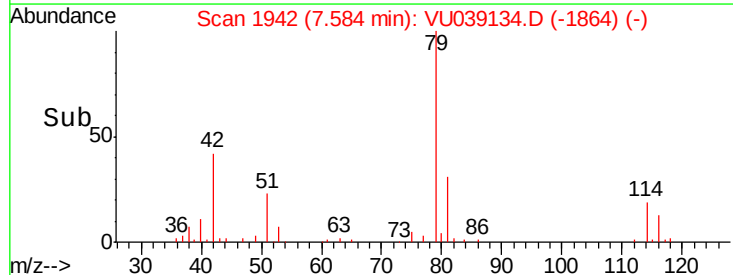
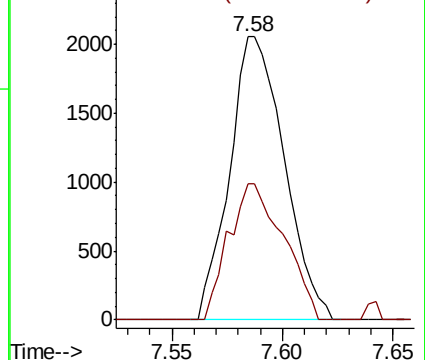


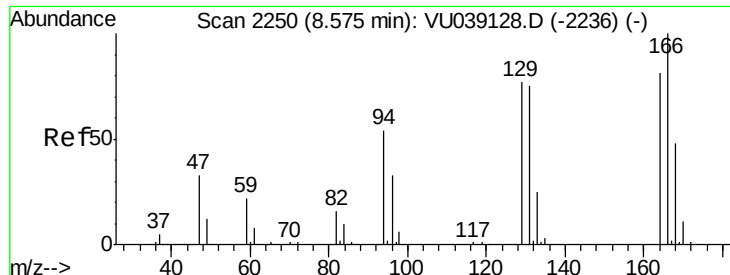
#39
cis-1,3-Dichloropropene
Concen: 0.116 ug/L
RT: 7.58 min Scan# 1942
Delta R.T. -0.05 min
Lab File: VU039134.D
Acq: 25 Jun 2020 23:55

Tgt Ion: 75 Resp: 3532
Ion Ratio Lower Upper
75 100
77 48.2 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0





#47

Tetrachloroethene

Concen: 0.160 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU039134.D

Acq: 25 Jun 2020 23:55

Instrument :

MSVOA_U

ClientSampleId :

F9F11

Tot Ion:164 Resp: 2271

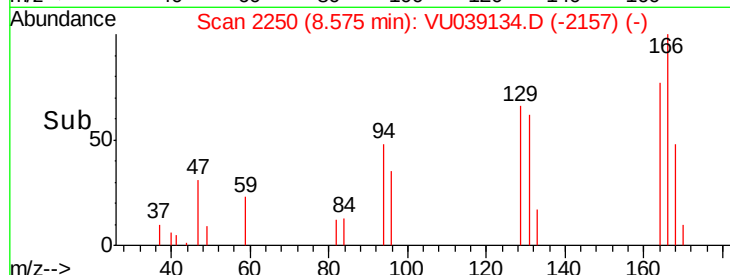
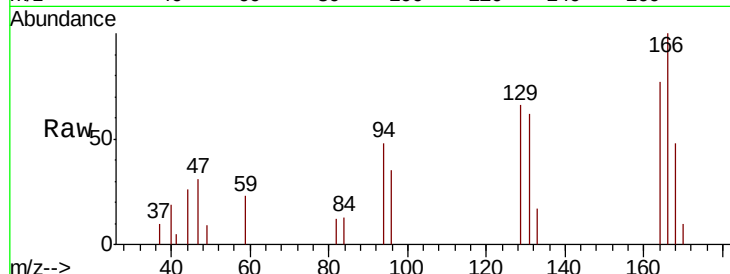
Ion Ratio Lower Upper

164 100

129 86.6 71.3 132.5

131 81.3 68.3 126.8

166 130.7 90.8 168.6

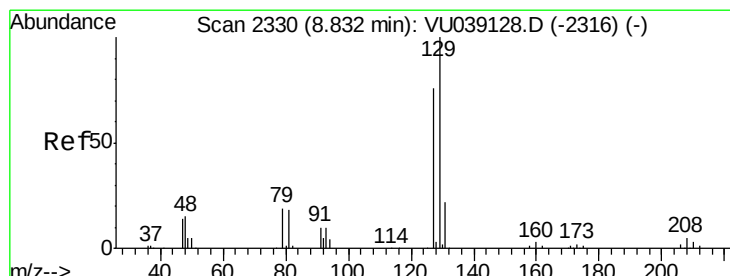
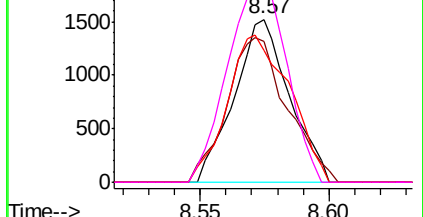


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.124 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU039134.D

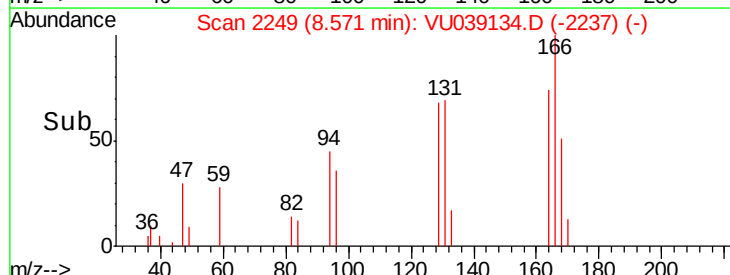
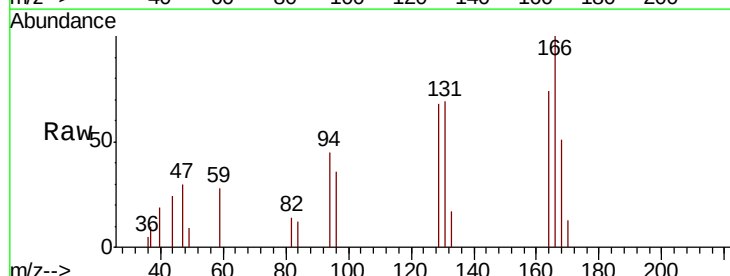
Acq: 25 Jun 2020 23:55

Tgt Ion:129 Resp: 2206

Ion Ratio Lower Upper

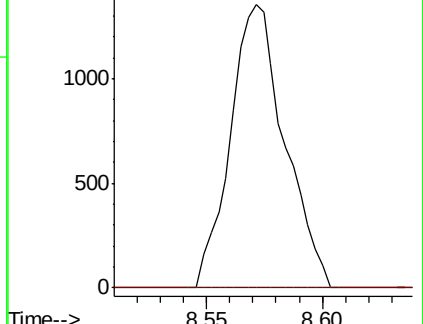
129 100

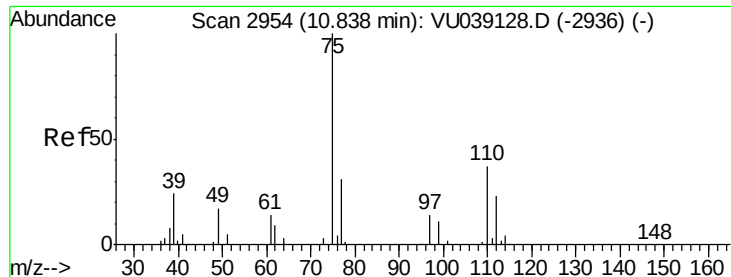
127 0.0 55.4 103.0#



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: 0.875 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU039134.D

Acq: 25 Jun 2020 23:55

Instrument :

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ClientSampleId :

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Tot Ion: 75 Resp: 14559

Ion Ratio Lower Upper

75 100

77 39.8 26.2 39.2#

