

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062220\
 Data File : VU039026.D
 Acq On : 22 Jun 2020 23:56
 Operator : SY/MD
 Sample : L3073-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9L01

Quant Time: Jun 23 01:30:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 01:25:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	249301	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	255932	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	108567	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	116614	5.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.00%
7) Chloroethane-d5	1.93	69	90462	6.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.40%
11) 1,1-Dichloroethene-d2	2.59	63	170026	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	4.68	46	391857	58.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.54%
24) Chloroform-d	5.10	84	186769	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.74	65	127403	5.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.40%
32) Benzene-d6	5.76	84	424675	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.20%
36) 1,2-Dichloropropane-d6	6.72	67	139311	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	7.92	98	335915	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
43) trans-1,3-Dichloropropene-	8.20	79	55358	5.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.40%
46) 2-Hexanone-d5	8.65	63	297345	57.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.12%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	119904	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	128232	6.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.40%#

Target Compounds

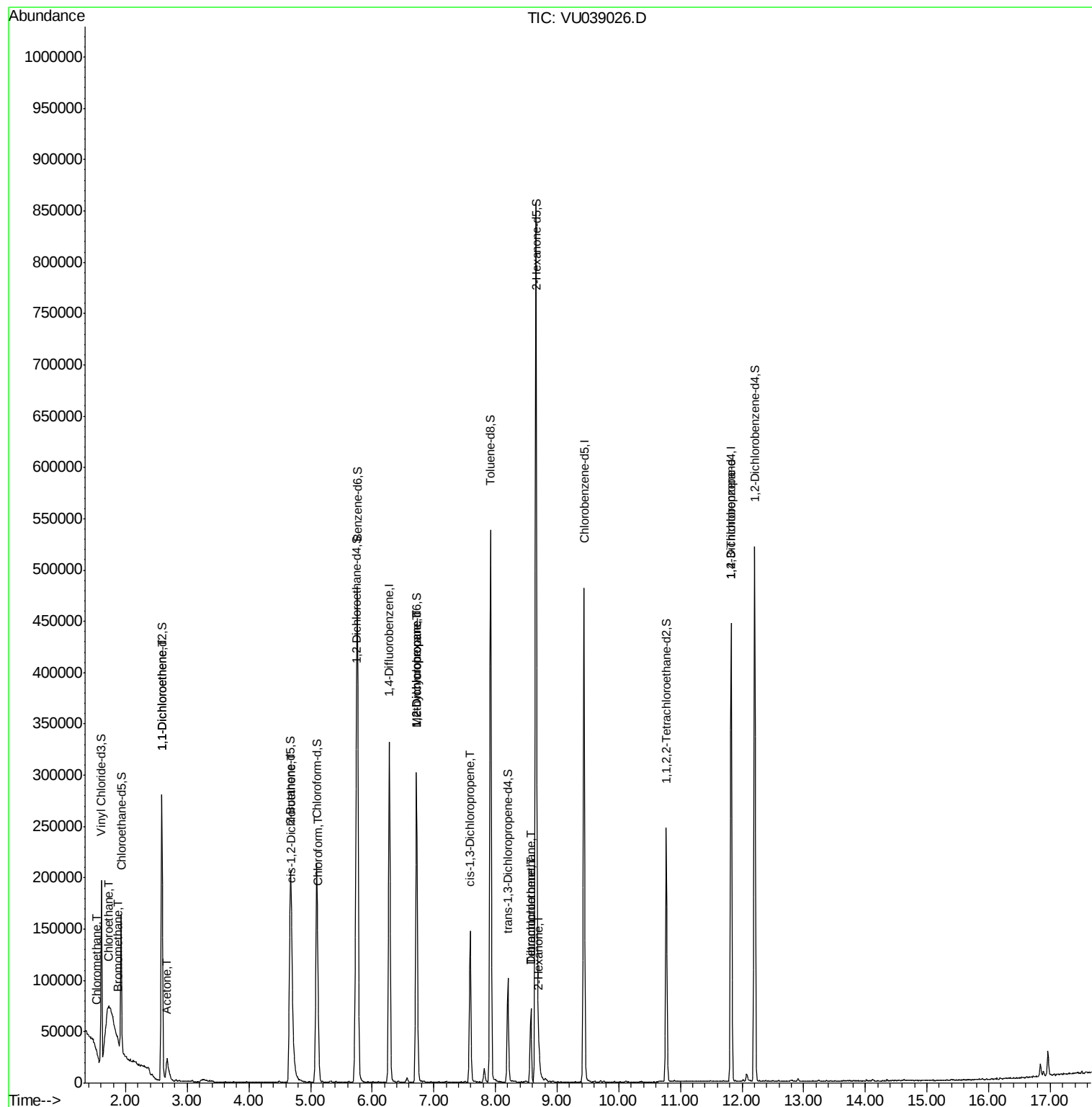
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1686	0.122	ug/L	92
6) Bromomethane	1.87	94	1210	0.199	ug/L	87
8) Chloroethane	1.73	64	73435	5.243	ug/L #	58
12) 1,1-Dichloroethene	2.59	96	1198	0.066	ug/L #	1
13) Acetone	2.68	43	40323	9.586	ug/L	99
22) cis-1,2-Dichloroethene	4.70	96	2559	0.124	ug/L	75
25) Chloroform	5.12	83	29234	0.740	ug/L	96
35) Methylcyclohexane	6.72	83	32576	1.043	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	15935	0.717	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	3581	0.113	ug/L #	66
47) Tetrachloroethene	8.57	164	14081	0.969	ug/L	98
48) 2-Hexanone	8.71	43	12970	1.055	ug/L	95
49) Dibromochloromethane	8.57	129	14197	0.787	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	14871	0.909	ug/L	89

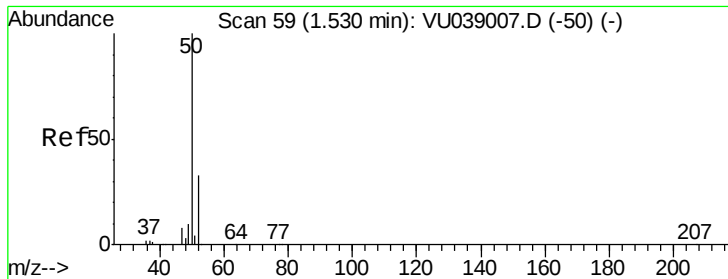
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 23 01:30:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 23 01:25:34 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.122 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039026.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_U

ClientSampleId :

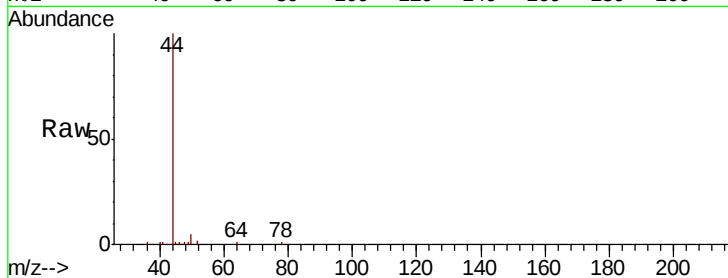
F9L01

Tot Ion: 50 Resp: 1686

Ion Ratio Lower Upper

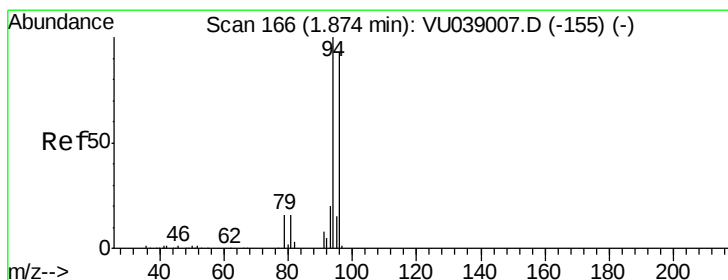
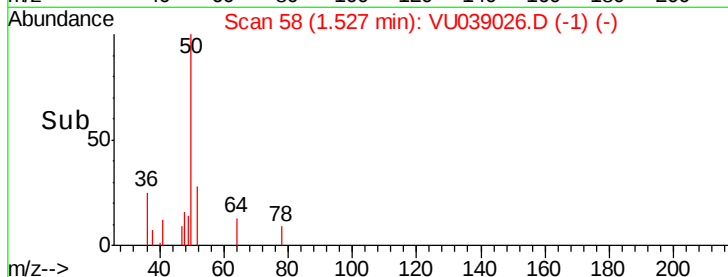
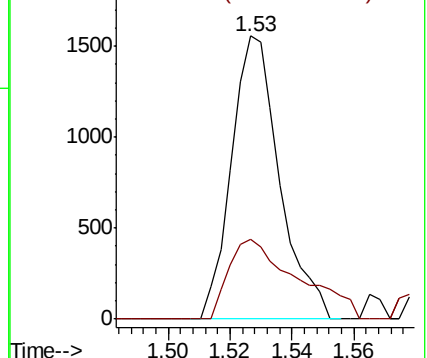
50 100

52 28.2 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU039007.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039007.D (-50) (-)



#6

Bromomethane

Concen: 0.199 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU039026.D

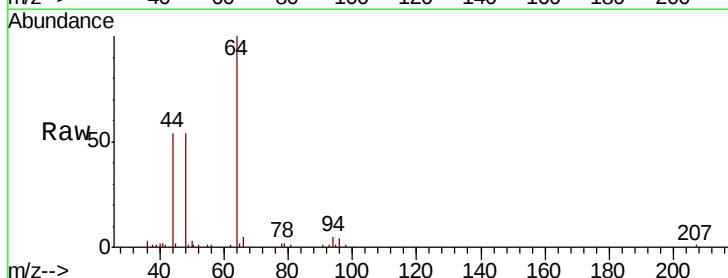
Acq: 22 Jun 2020 23:56

Tgt Ion: 94 Resp: 1210

Ion Ratio Lower Upper

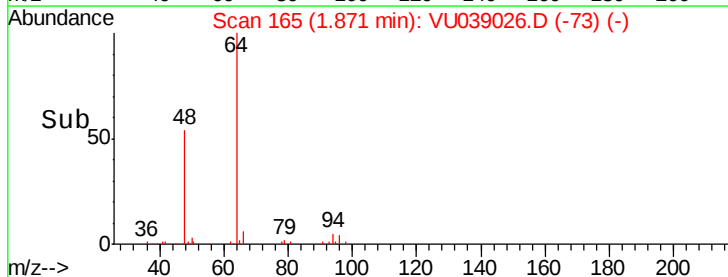
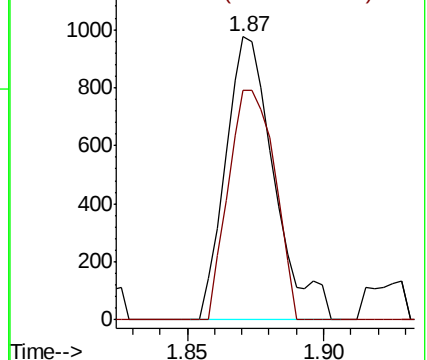
94 100

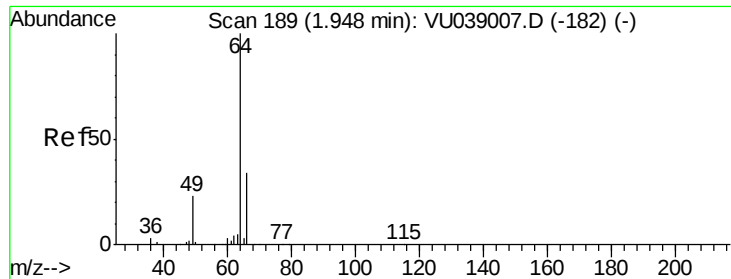
96 81.3 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU039007.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039007.D (-155) (-)

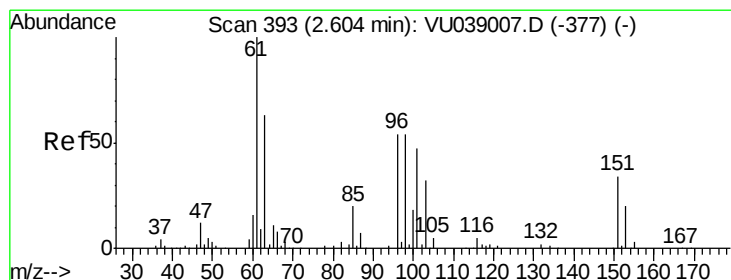
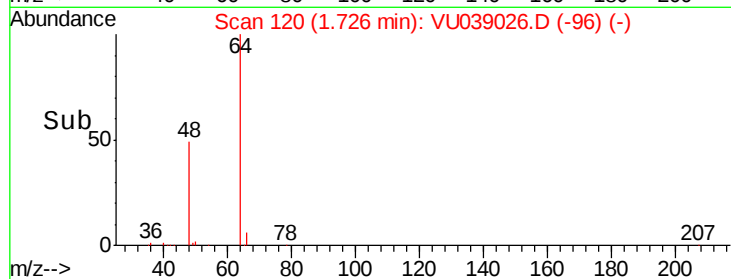
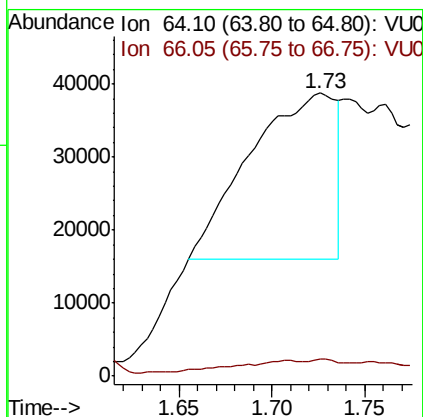
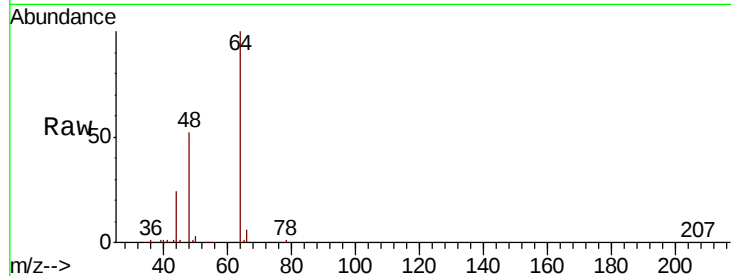




#8
Chloroethane
Concen: 5.243 ug/L
RT: 1.73 min Scan# 120
Delta R.T. -0.22 min
Lab File: VU039026.D
Acq: 22 Jun 2020 23:56

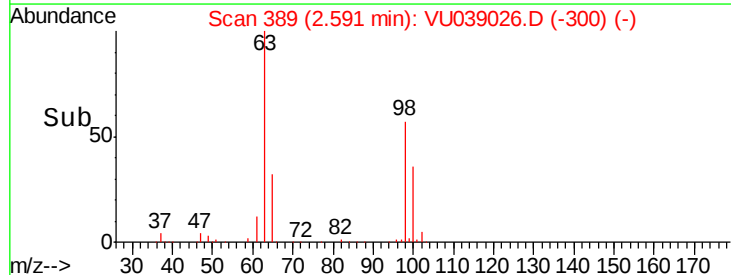
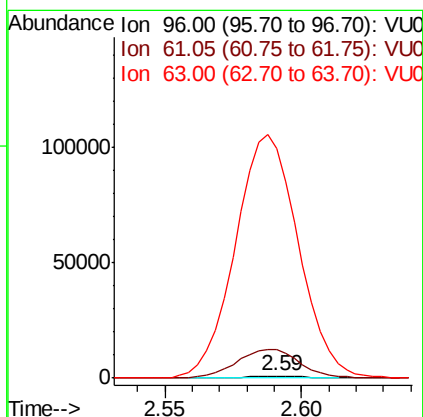
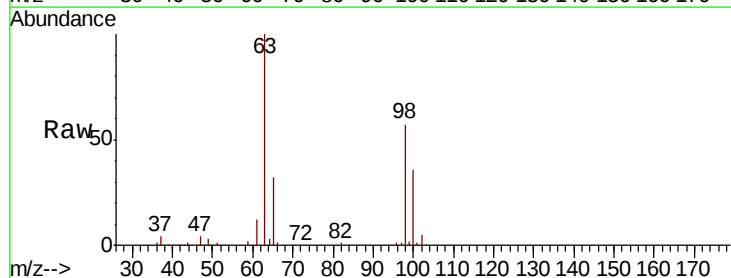
Instrument :
MSVOA_U
ClientSampled :
F9L01

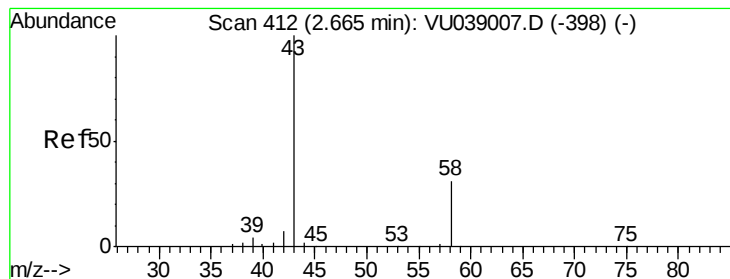
Tot Ion: 64 Resp: 73435
Ion Ratio Lower Upper
64 100
66 5.9 19.4 36.0#



#12
1,1-Dichloroethene
Concen: 0.066 ug/L
RT: 2.59 min Scan# 389
Delta R.T. -0.01 min
Lab File: VU039026.D
Acq: 22 Jun 2020 23:56

Tgt Ion: 96 Resp: 1198
Ion Ratio Lower Upper
96 100
61 1520.4 128.7 239.1#
63 12297.0 101.5 188.5#





#13

Acetone

Concen: 9.586 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.01 min

Lab File: VU039026.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_U

ClientSampled :

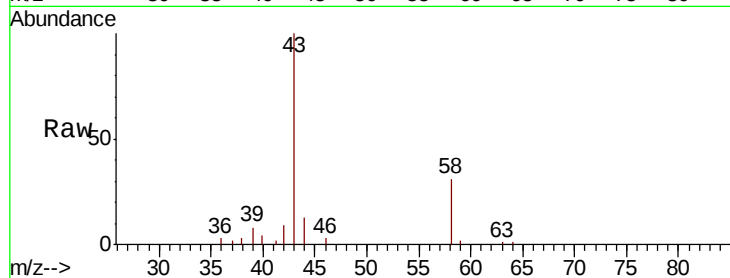
F9L01

Tot Ion: 43 Resp: 40323

Ion Ratio Lower Upper

43 100

58 32.7 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU039007.D (-398) (-)

Ion 58.05 (57.75 to 58.75): VU039007.D (-398) (-)

15000

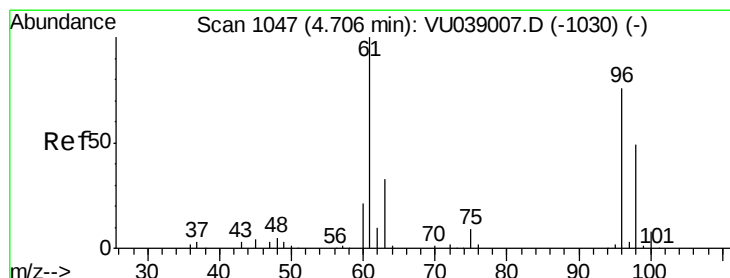
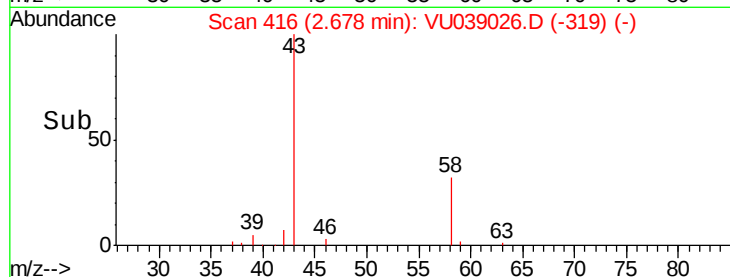
10000

5000

0

2.60 2.65 2.70 2.75 2.80

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.124 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU039026.D

Acq: 22 Jun 2020 23:56

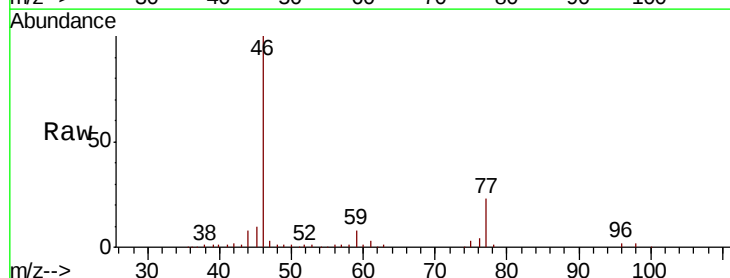
Tgt Ion: 96 Resp: 2559

Ion Ratio Lower Upper

96 100

61 160.6 92.0 170.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039007.D (-1030) (-)

Ion 61.05 (60.75 to 61.75): VU039007.D (-1030) (-)

Ion 68.15 (67.85 to 68.85): VU039007.D (-1030) (-)

2500

2000

1500

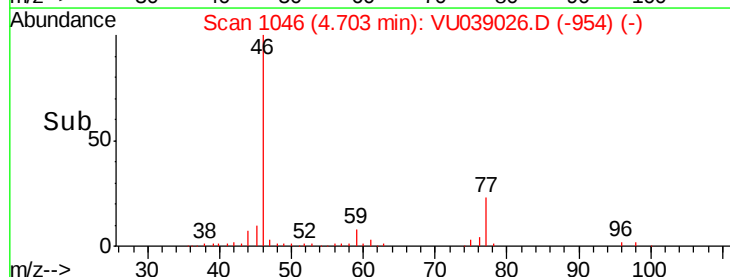
1000

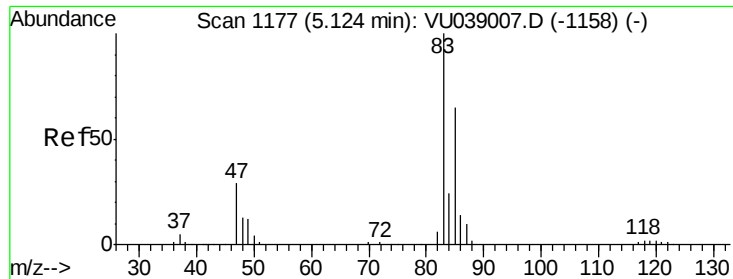
500

0

4.65 4.70 4.75

Time-->

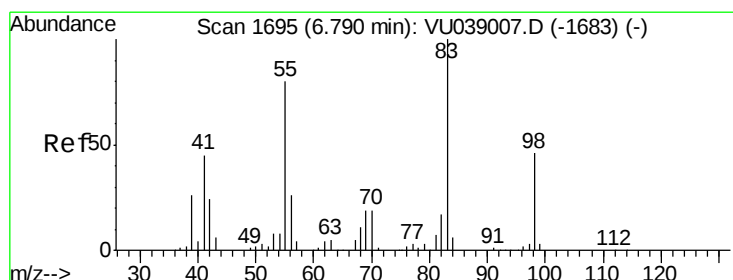
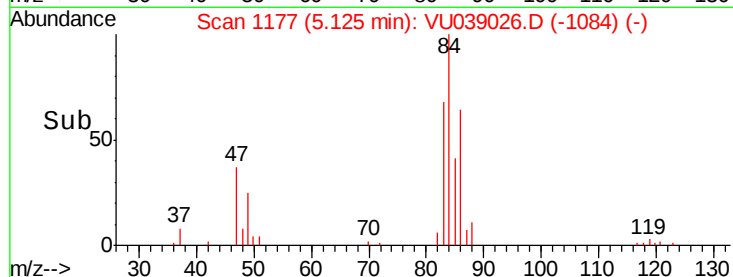
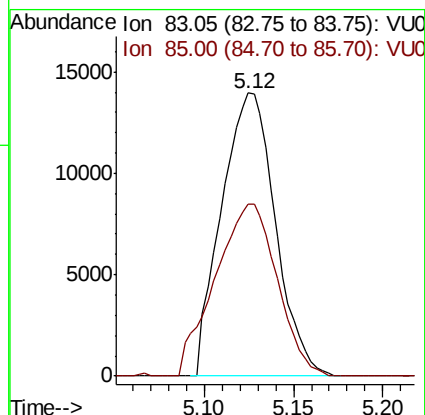
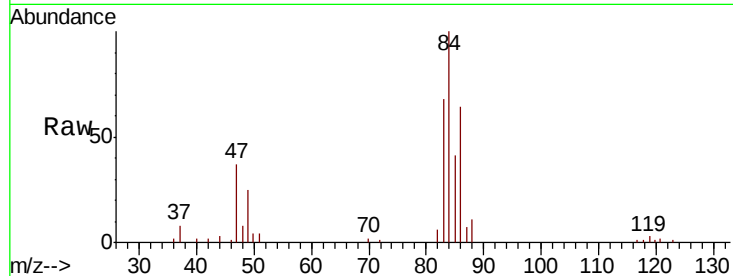




#25
Chloroform
Concen: 0.740 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039026.D
Acq: 22 Jun 2020 23:56

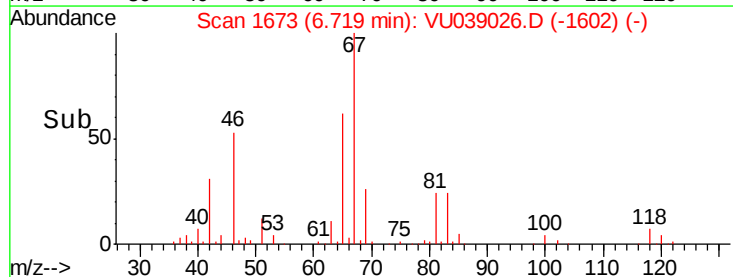
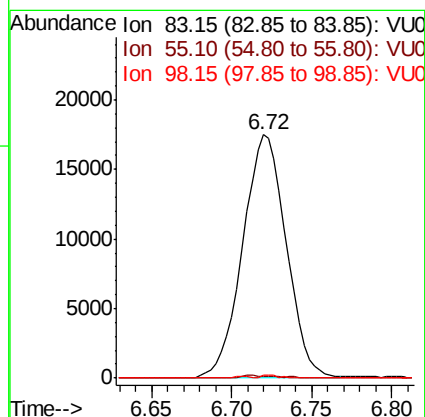
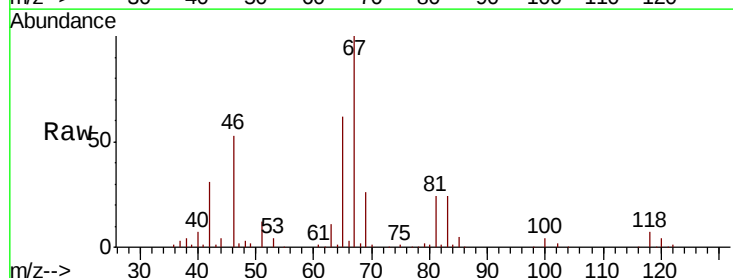
Instrument :
MSVOA_U
ClientSampleId :
F9L01

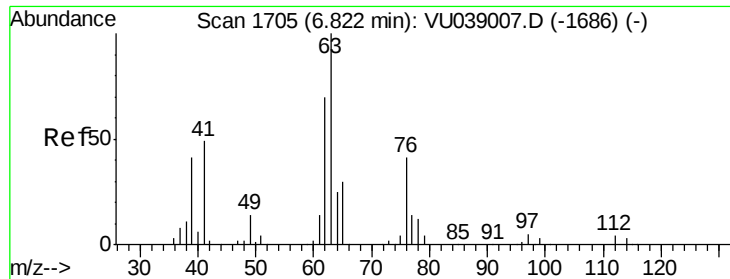
Tot Ion: 83 Resp: 29234
Ion Ratio Lower Upper
83 100
85 60.7 44.9 83.5



#35
Methylcyclohexane
Concen: 1.043 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU039026.D
Acq: 22 Jun 2020 23:56

Tgt Ion: 83 Resp: 32576
Ion Ratio Lower Upper
83 100
55 0.1 65.1 97.7#
98 0.4 37.0 55.4#

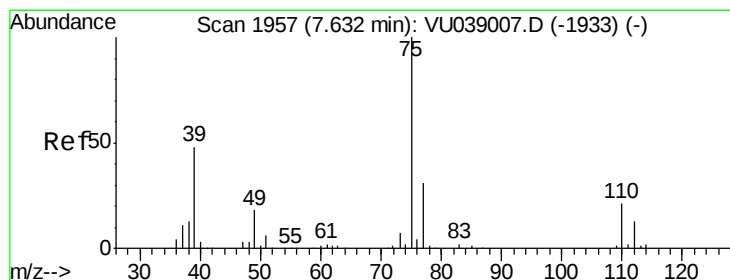
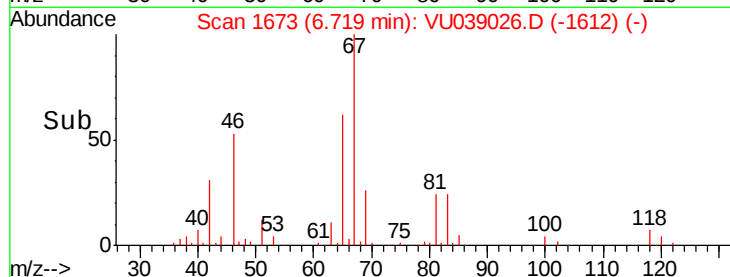
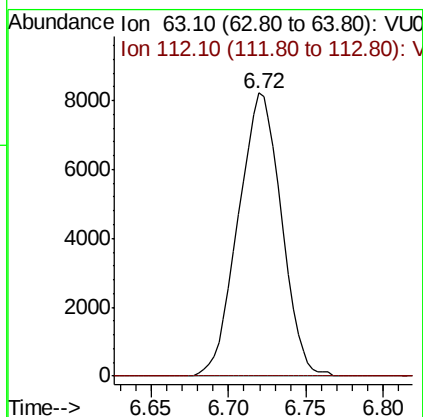
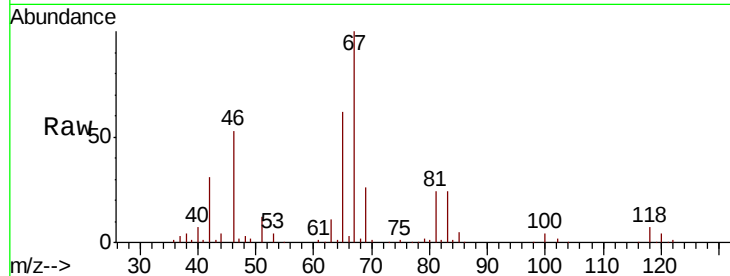




#37
 1,2-Dichloropropane
 Concen: 0.717 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU039026.D
 Acq: 22 Jun 2020 23:56

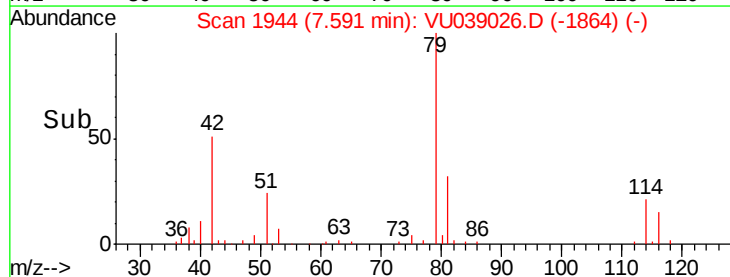
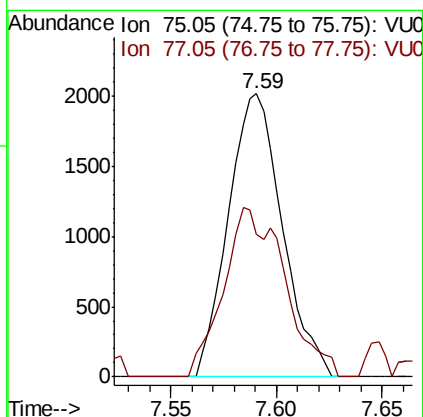
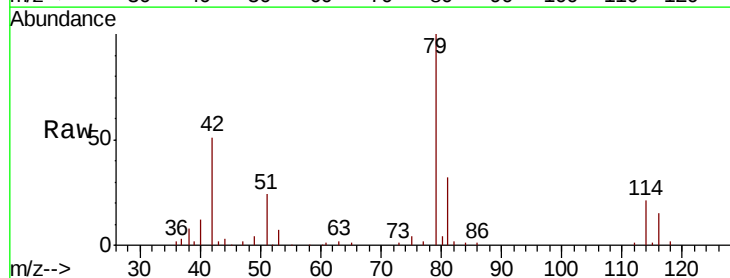
Instrument :
 MSVOA_U
 ClientSampleId :
 F9L01

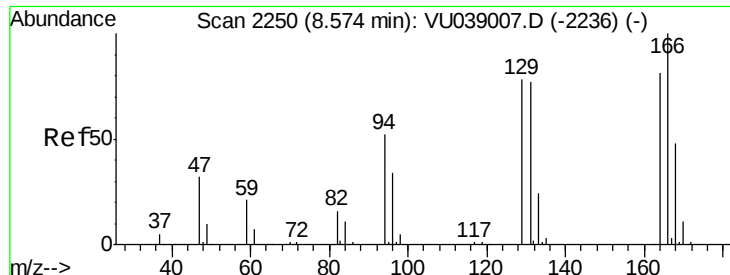
Tot Ion: 63 Resp: 15935
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.113 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU039026.D
 Acq: 22 Jun 2020 23:56

Tgt Ion: 75 Resp: 3581
 Ion Ratio Lower Upper
 75 100
 77 50.5 22.0 41.0#





#47

Tetrachloroethene

Concen: 0.969 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU039026.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_U

ClientSampleId :

F9L01

Tot Ion:164 Resp: 14081

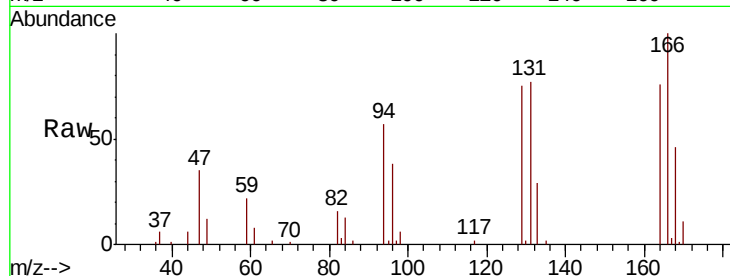
Ion Ratio Lower Upper

164 100

129 98.5 69.2 128.6

131 102.0 66.9 124.3

166 132.2 93.0 172.8

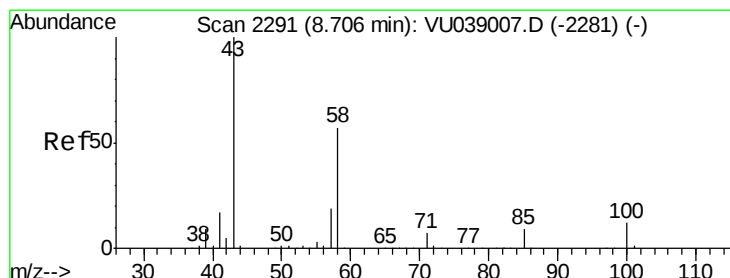
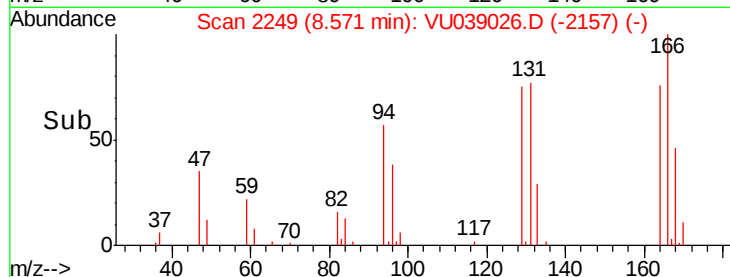
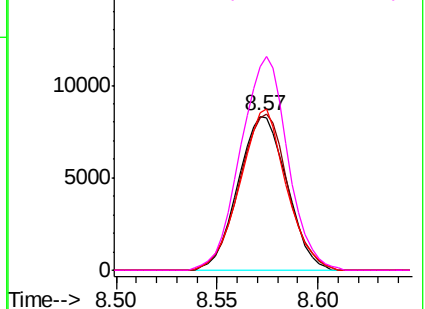


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.055 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU039026.D

Acq: 22 Jun 2020 23:56

Tgt Ion: 43 Resp: 12970

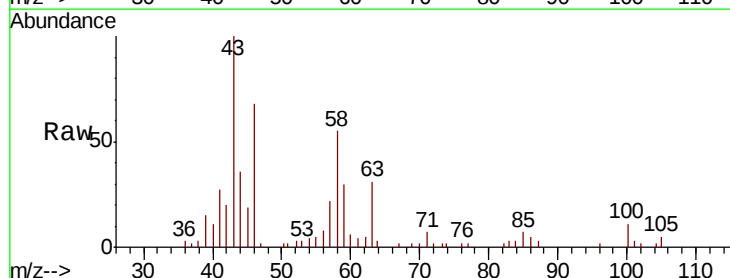
Ion Ratio Lower Upper

43 100

58 50.3 43.5 65.3

57 16.6 15.0 22.4

100 11.0 9.4 14.2

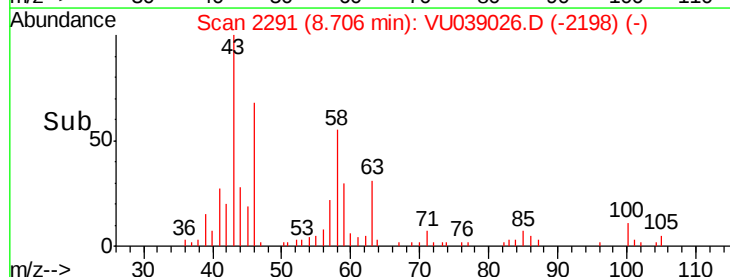
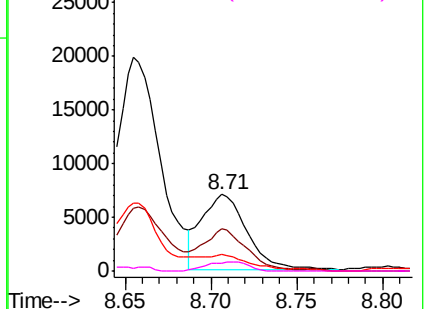


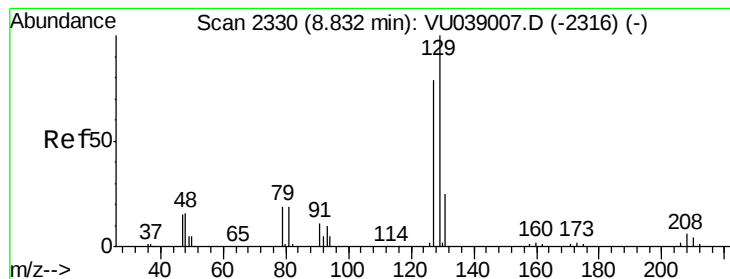
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.787 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU039026.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_U

ClientSampleId :

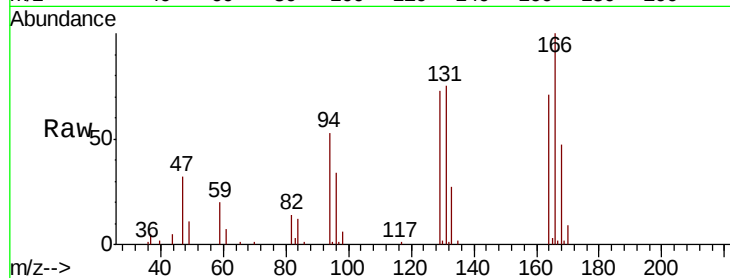
F9L01

Tot Ion:129 Resp: 14197

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.5#

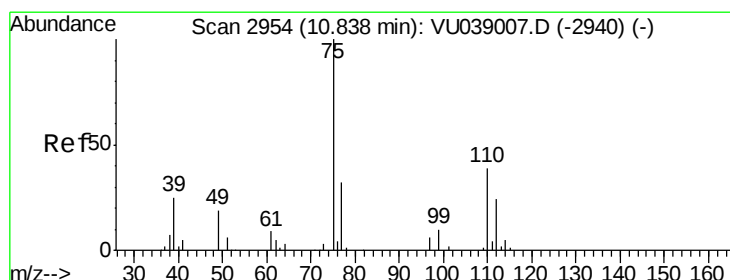
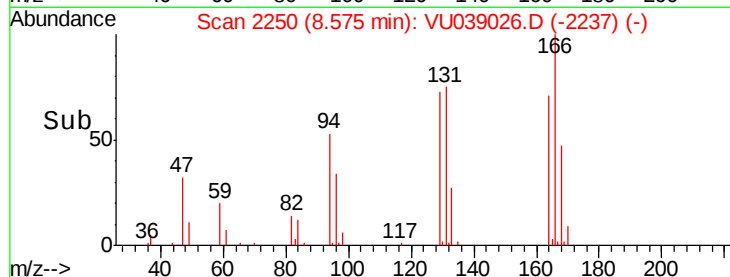


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.909 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU039026.D

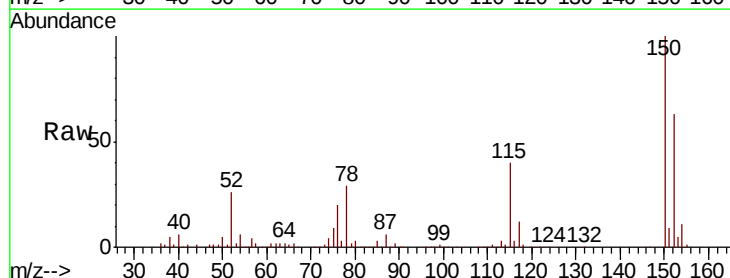
Acq: 22 Jun 2020 23:56

Tgt Ion: 75 Resp: 14871

Ion Ratio Lower Upper

75 100

77 38.0 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.82

Time-->

