

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101220\
 Data File : VU040660.D
 Acq On : 12 Oct 2020 15:24
 Operator : SY/MD
 Sample : L4345-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQY2

Quant Time: Oct 13 04:41:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 13 04:32:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	116636	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119928	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51846	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	44841	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.92	69	39319	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.60%
11) 1,1-Dichloroethene-d2	2.58	63	67514	3.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.40%
20) 2-Butanone-d5	4.66	46	174682	56.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.96%
24) Chloroform-d	5.08	84	90270	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.72	65	55218	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
32) Benzene-d6	5.75	84	159782	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.70	67	56918	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.91	98	130458	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.19	79	22080	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.64	63	120286	51.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.62%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49142	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	52699	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
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	561	0.058	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	569	0.068	ug/L #	1
13) Acetone	2.67	43	48434	20.204	ug/L	62
14) Carbon disulfide	2.81	76	1935	0.083	ug/L	100
25) Chloroform	5.11	83	7016	0.381	ug/L	89
33) Benzene	5.75	78	1242	0.032	ug/L	100
34) Trichloroethene	6.56	95	62426	6.251	ug/L	97
35) Methylcyclohexane	6.71	83	13675	0.966	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6888	0.642	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1579	0.108	ug/L #	79
44) trans-1,3-Dichloropropene	8.19	75	884	0.065	ug/L	84
47) Tetrachloroethene	8.56	164	1070	0.150	ug/L	88
48) 2-Hexanone	8.64	43	20396	3.201	ug/L #	69
49) Dibromochloromethane	8.55	129	867	0.094	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6449	0.818	ug/L #	85

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101220\
Data File : VU040660.D
Acq On : 12 Oct 2020 15:24
Operator : SY/MD
Sample : L4345-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YAQY2

Quant Time: Oct 13 04:41:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 13 04:32:46 2020
Response via : Initial Calibration

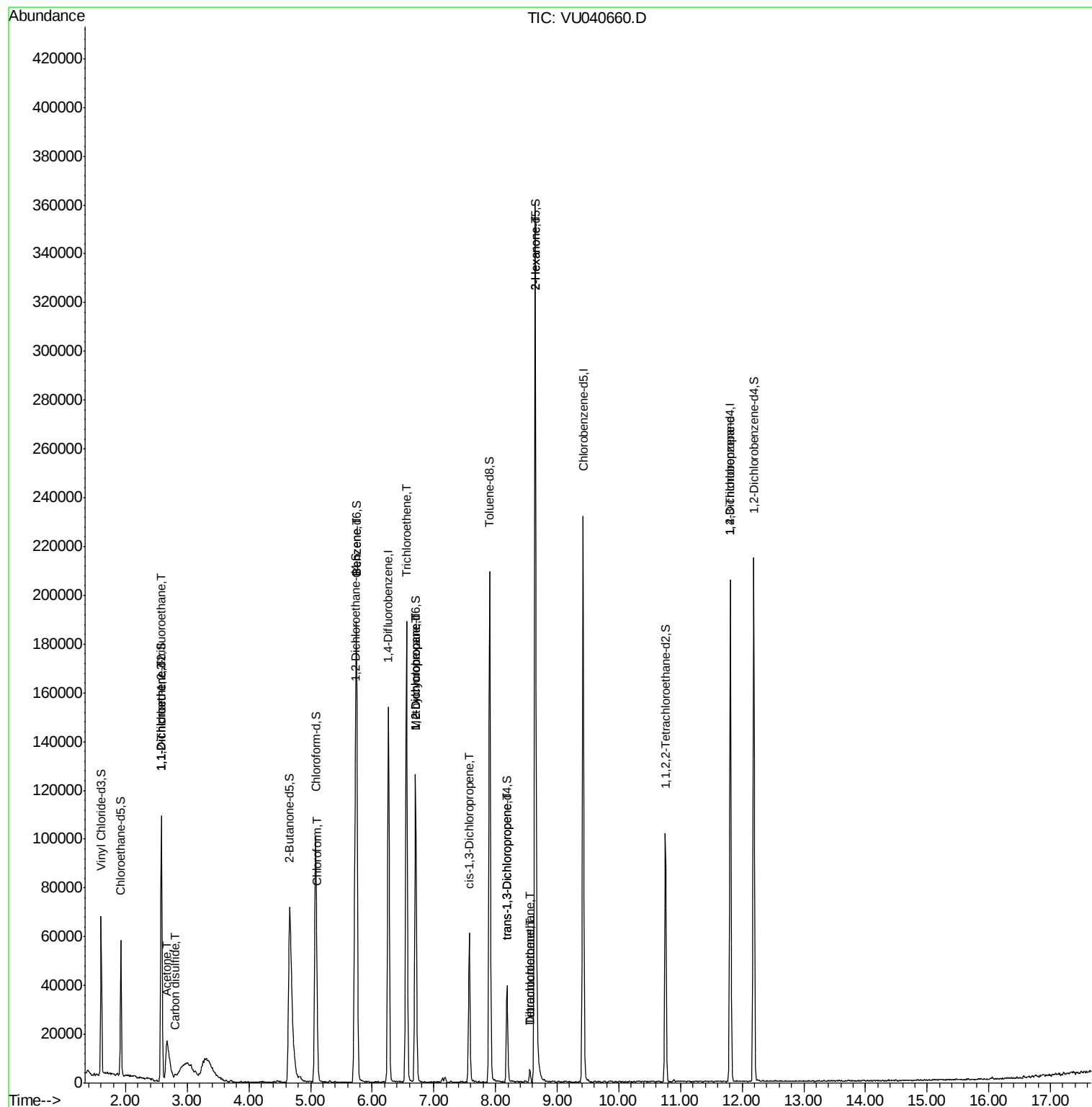
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

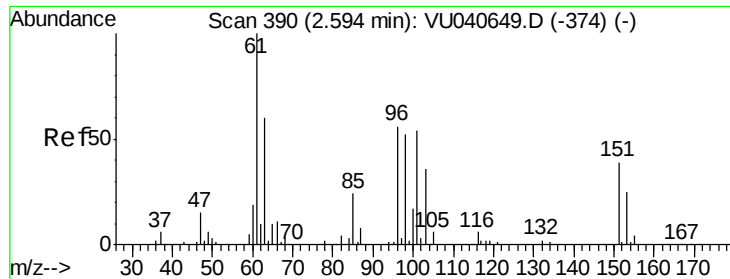
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101220\
Data File : VU040660.D
Acq On : 12 Oct 2020 15:24
Operator : SY/MD
Sample : L4345-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
YAQY2

Quant Time: Oct 13 04:41:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 13 04:32:46 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.058 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040660.D

Acq: 12 Oct 2020 15:24

Instrument :

MSVOA_U

ClientSampleId :

YAY2

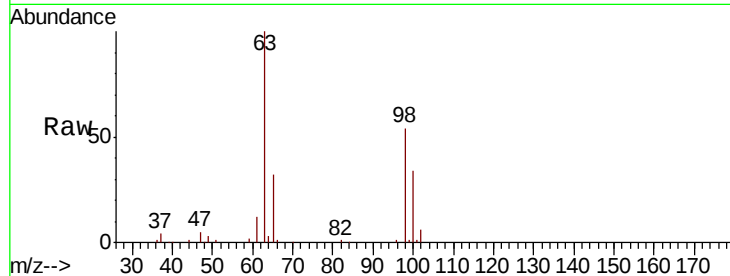
Tot Ion:101 Resp: 561

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#



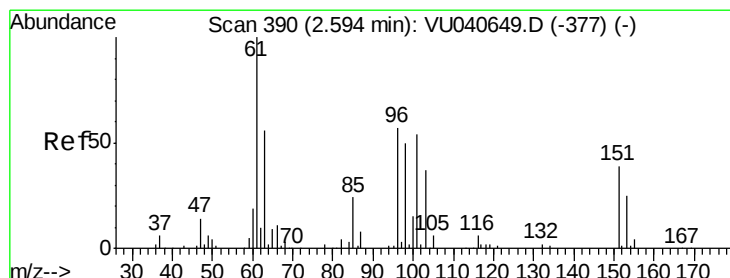
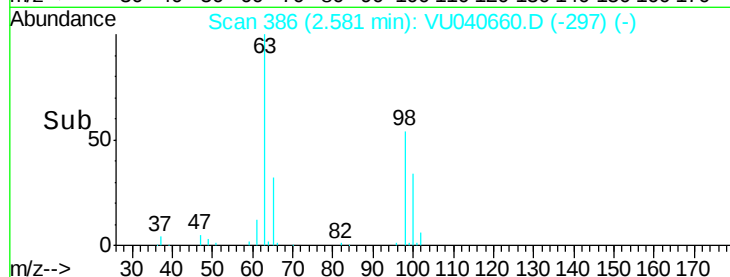
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.58

Time--> 2.54 2.56 2.58 2.60



#12

1,1-Dichloroethene

Concen: 0.068 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040660.D

Acq: 12 Oct 2020 15:24

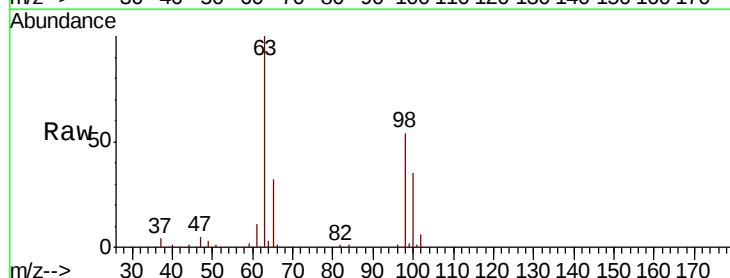
Tgt Ion: 96 Resp: 569

Ion Ratio Lower Upper

96 100

61 1171.4 128.8 239.2#

63 10217.1 84.6 157.2#



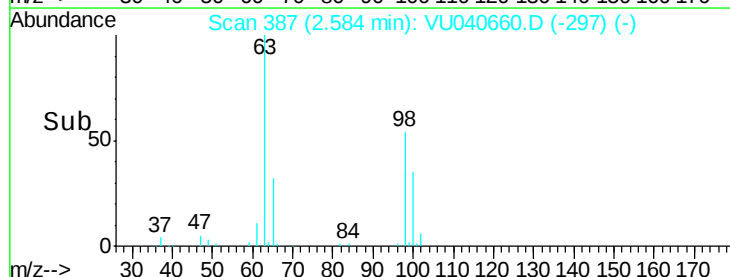
Abundance Ion 96.00 (95.70 to 96.70): VU0

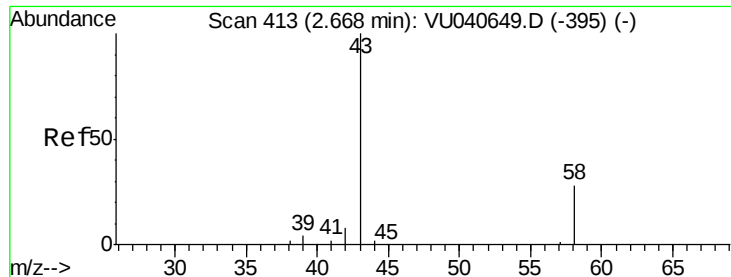
Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

2.58

Time--> 2.54 2.56 2.58 2.60 2.62





#13

Acetone

Concen: 20.204 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU040660.D

Acq: 12 Oct 2020 15:24

Instrument :

MSVOA_U

ClientSampleId :

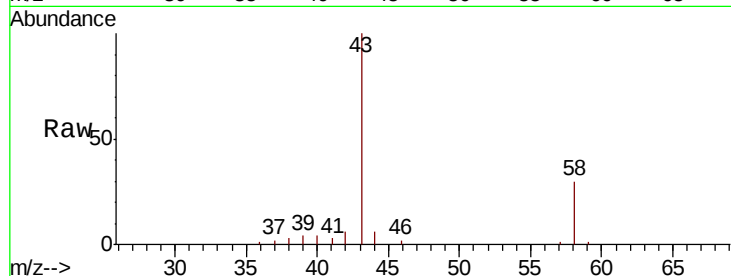
YAQY2

Tot Ion: 43 Resp: 48434

Ion Ratio Lower Upper

43 100

58 9.7 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040660.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU040660.D (-320) (-)

2.67

12000

10000

8000

6000

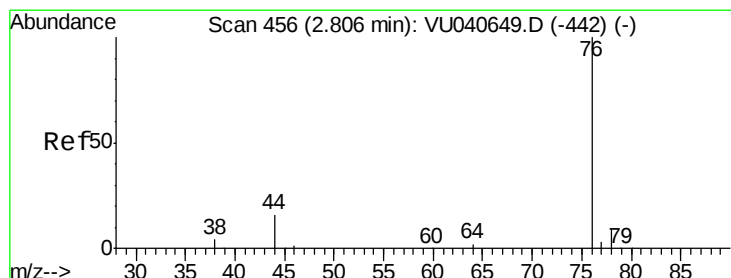
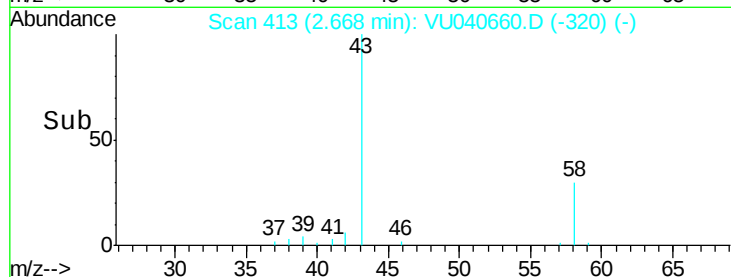
4000

2000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 0.083 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040660.D

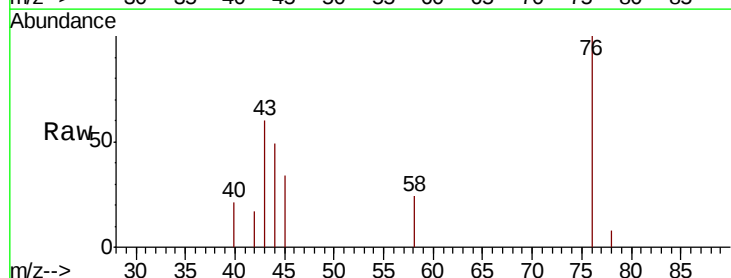
Acq: 12 Oct 2020 15:24

Tgt Ion: 76 Resp: 1935

Ion Ratio Lower Upper

76 100

78 8.5 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040660.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040660.D (-363) (-)

2.81

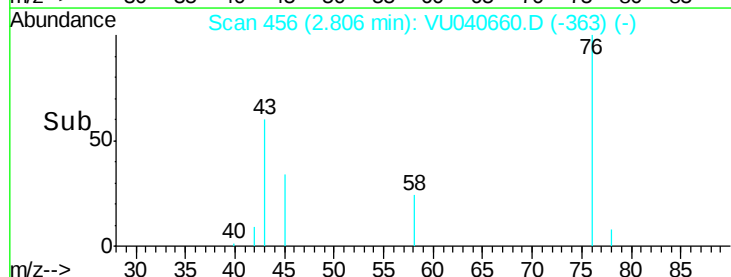
1000

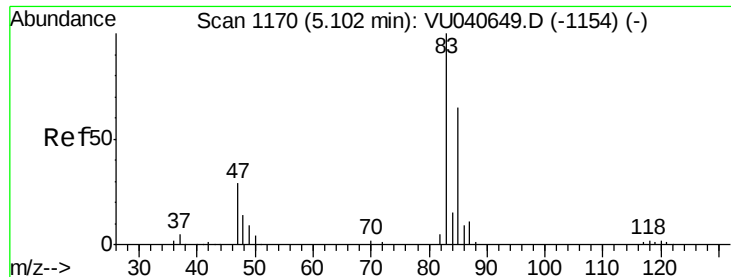
500

0

Time-->

2.75 2.80 2.85

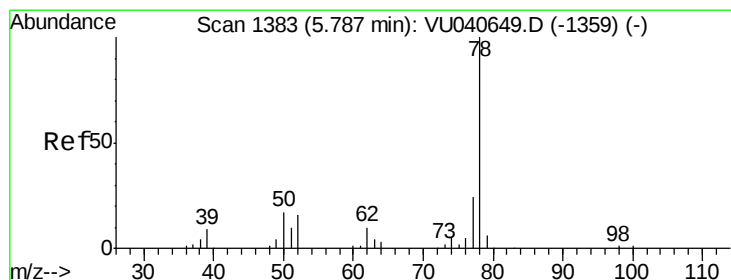
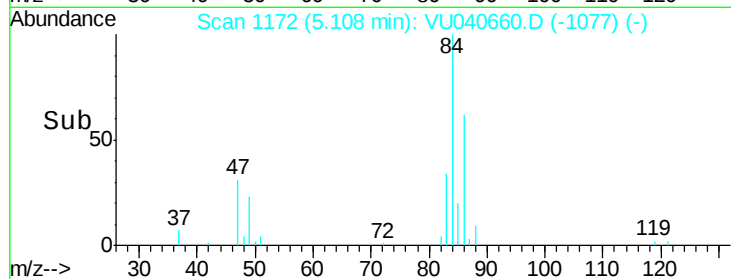
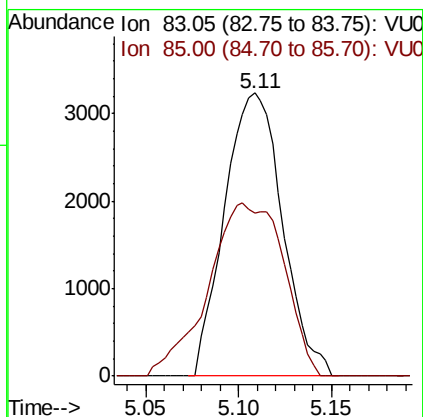
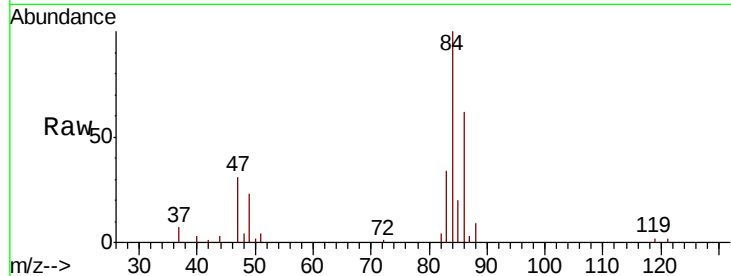




#25
Chloroform
Concen: 0.381 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU040660.D
Acq: 12 Oct 2020 15:24

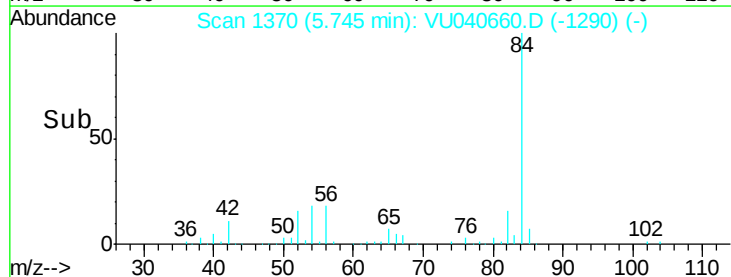
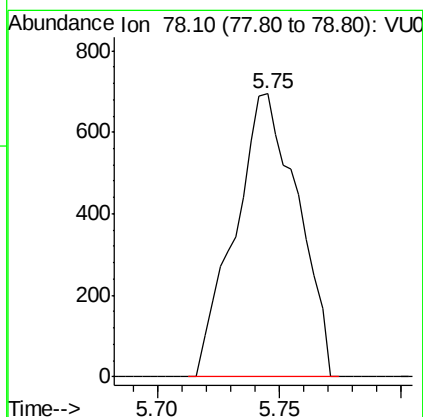
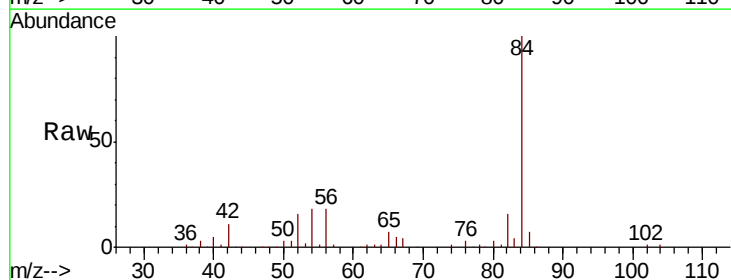
Instrument :
MSVOA_U
ClientSampled :
YAQY2

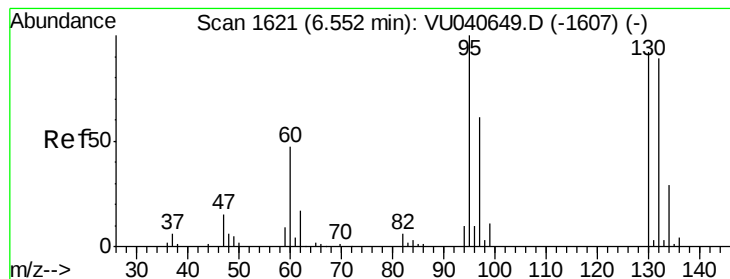
Tot Ion: 83 Resp: 7016
Ion Ratio Lower Upper
83 100
85 57.6 46.5 86.5



#33
Benzene
Concen: 0.032 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.04 min
Lab File: VU040660.D
Acq: 12 Oct 2020 15:24

Tgt Ion: 78 Resp: 1242





#34

Trichloroethene

Concen: 6.251 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040660.D

Acq: 12 Oct 2020 15:24

Instrument :

MSVOA_U

ClientSampleId :

YAQY2

Tot Ion: 95 Resp: 62426

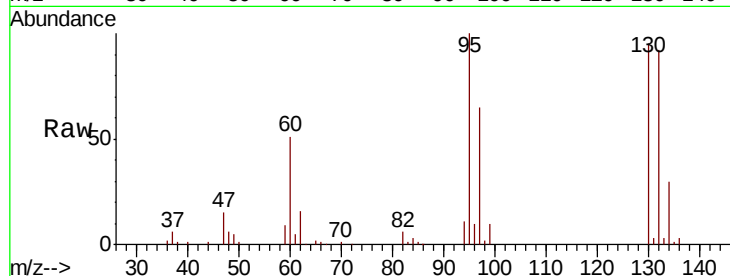
Ion Ratio Lower Upper

95 100

97 64.8 45.5 84.5

132 92.1 67.5 125.4

130 95.3 69.9 129.9

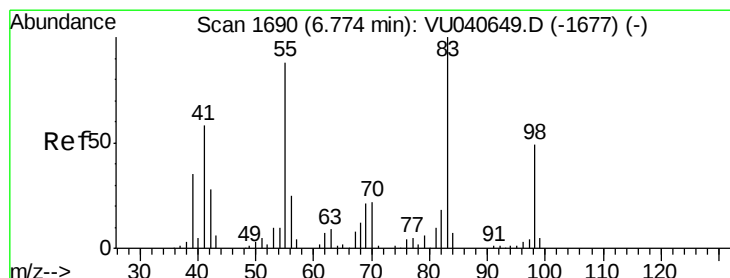
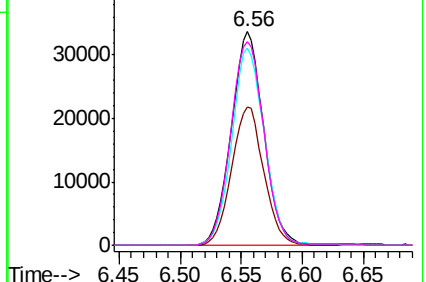
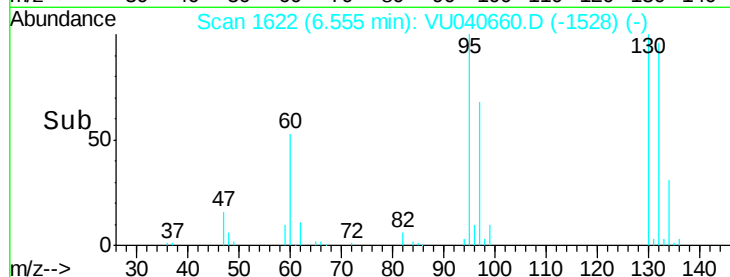


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.966 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU040660.D

Acq: 12 Oct 2020 15:24

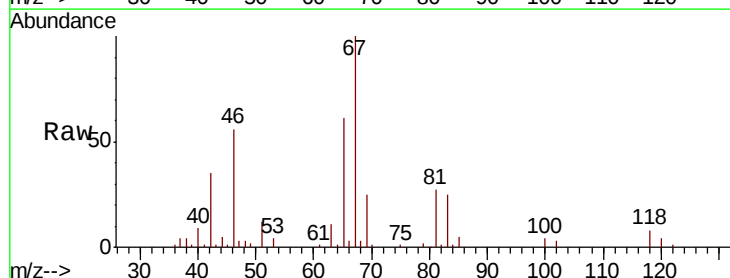
Tgt Ion: 83 Resp: 13675

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

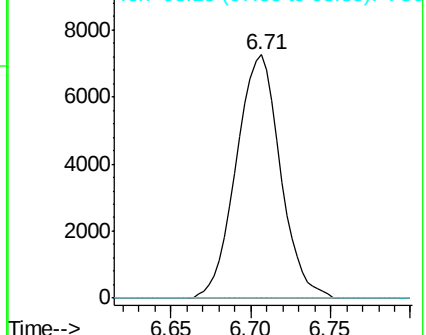
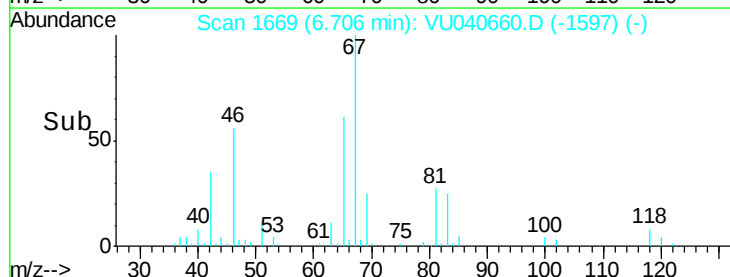
98 0.0 38.4 57.6#

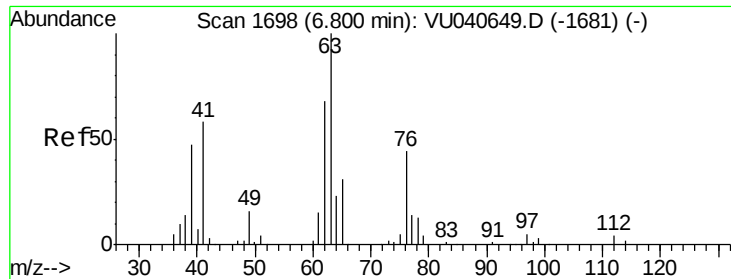


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

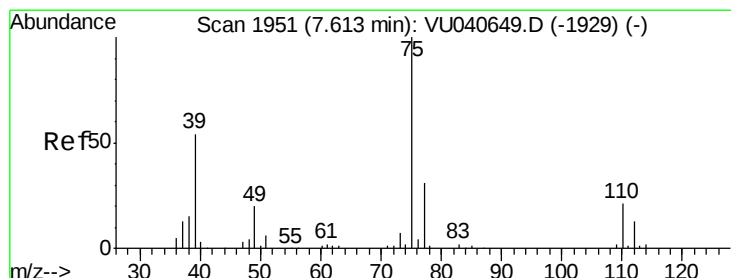
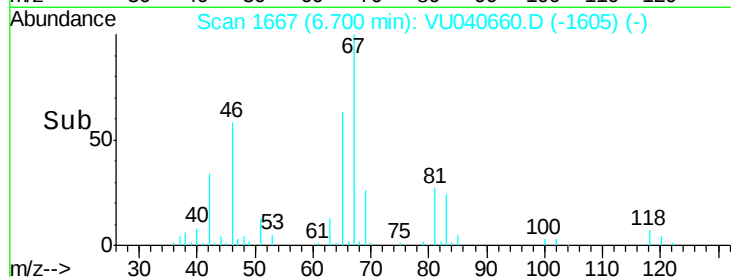
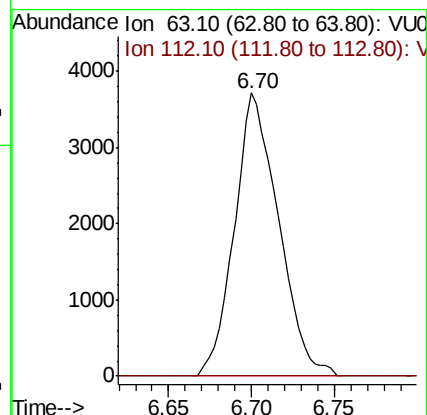
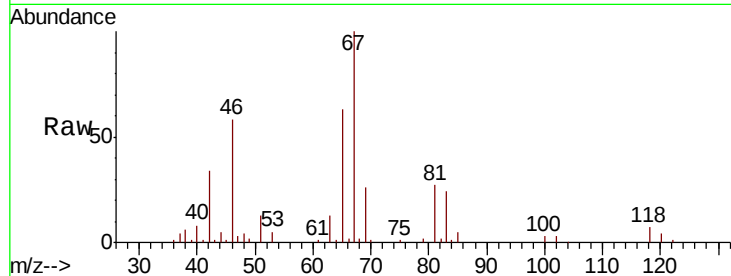




#37
 1,2-Dichloropropane
 Concen: 0.642 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040660.D
 Acq: 12 Oct 2020 15:24

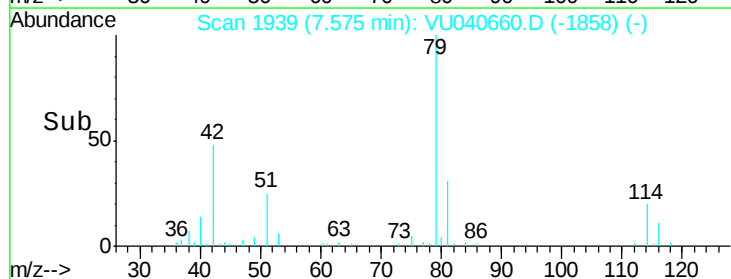
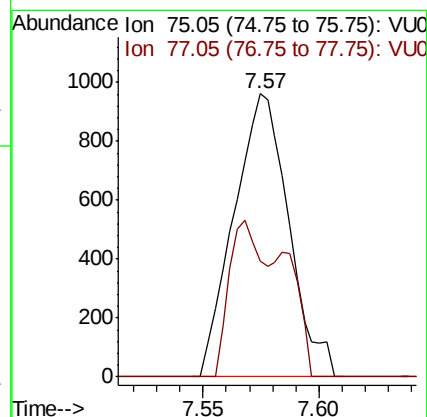
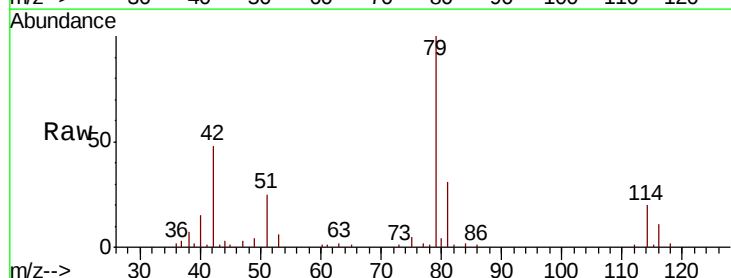
Instrument :
 MSVOA_U
 ClientSampleId :
 YAQY2

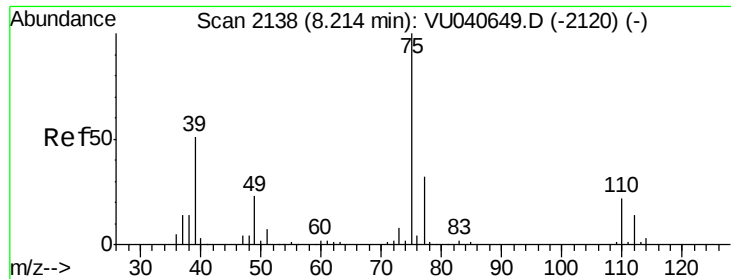
Tot Ion: 63 Resp: 6888
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040660.D
 Acq: 12 Oct 2020 15:24

Tgt Ion: 75 Resp: 1579
 Ion Ratio Lower Upper
 75 100
 77 40.6 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.065 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040660.D

Acq: 12 Oct 2020 15:24

Instrument :

MSVOA_U

ClientSampleId :

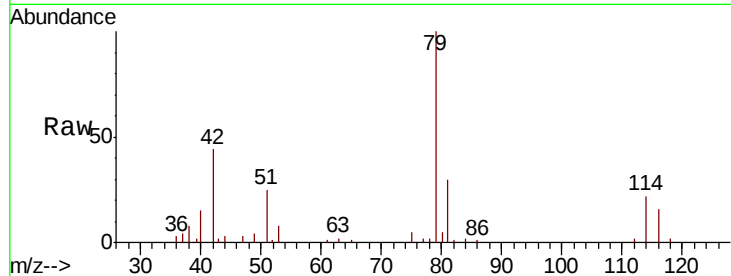
YAQY2

Tot Ion: 75 Resp: 884

Ion Ratio Lower Upper

75 100

77 37.5 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040649.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040649.D (-2120) (-)

8.19

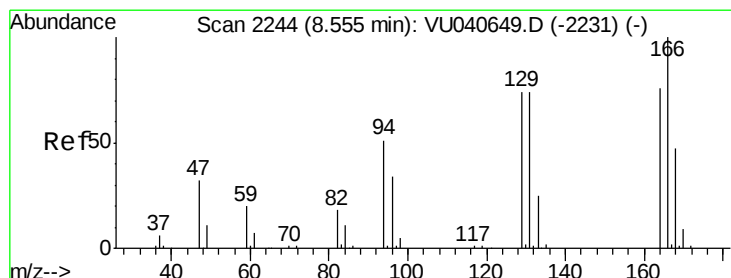
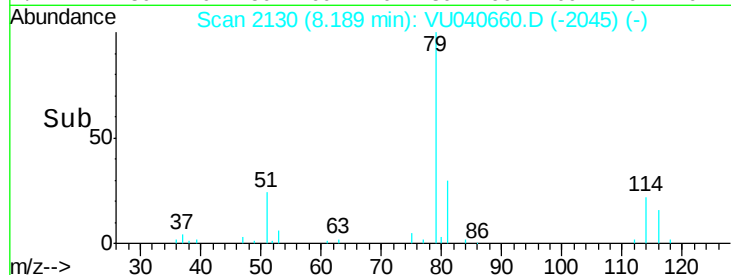
600

400

200

0

Time-->



#47

Tetrachloroethene

Concen: 0.150 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040660.D

Acq: 12 Oct 2020 15:24

Tgt Ion:164 Resp: 1070

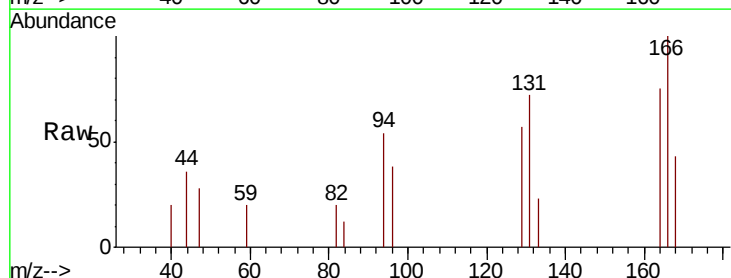
Ion Ratio Lower Upper

164 100

129 76.7 68.8 127.8

131 96.8 66.7 123.9

166 133.7 83.9 155.7



Abundance Ion 163.90 (163.60 to 164.60): VU040649.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU040649.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU040649.D (-2231) (-)

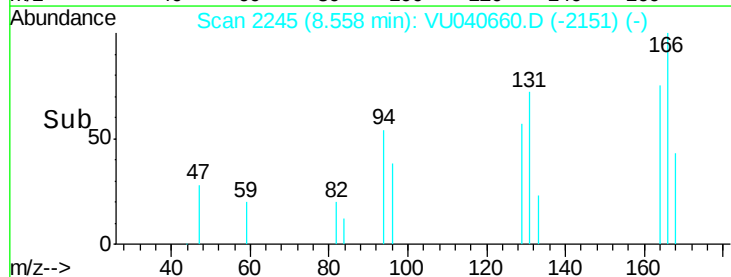
Ion 165.90 (165.60 to 166.60): VU040649.D (-2231) (-)

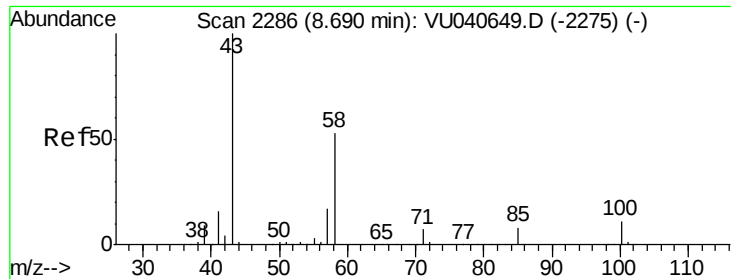
1000

500

0

Time-->

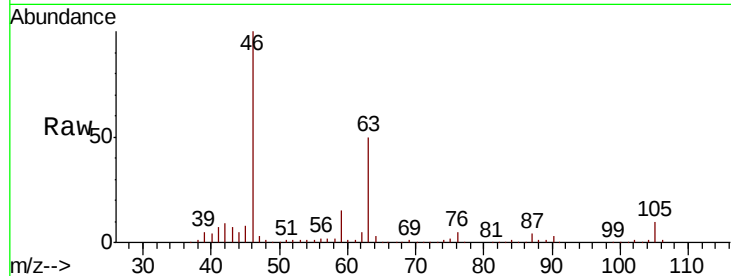




#48
2-Hexanone
Concen: 3.201 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040660.D
Acq: 12 Oct 2020 15:24

Instrument :
MSVOA_U
ClientSampleId :
YAQY2

Tot Ion	Ratio	Lower	Upper
43	100		
58	26.5	41.0	61.6#
57	28.0	14.4	21.6#
100	0.8	8.6	13.0#

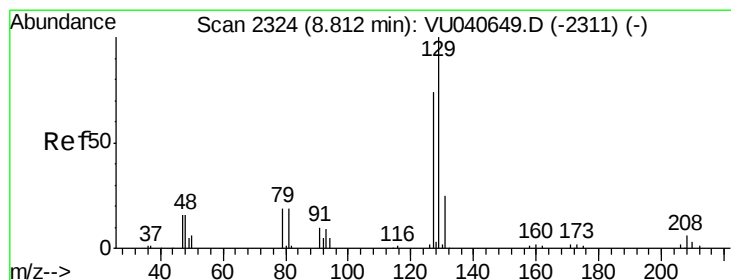
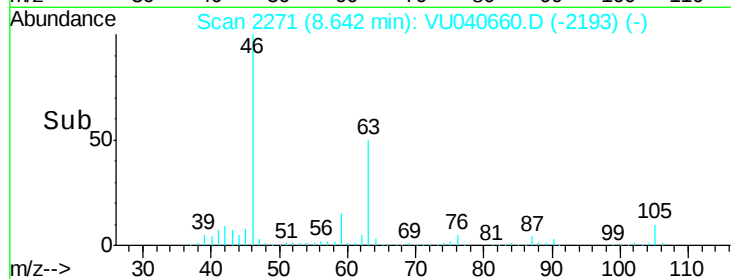
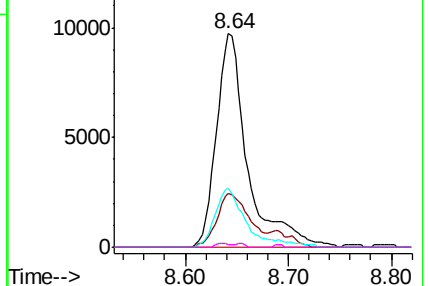


Abundance Ion 43.05 (42.75 to 43.75): VU040660.D (-2275) (-)

Ion 58.05 (57.75 to 58.75): VU040660.D (-2275) (-)

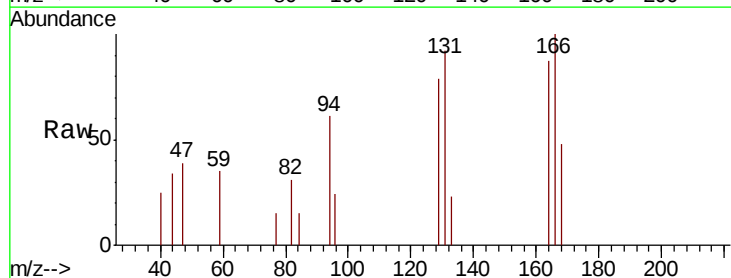
Ion 57.20 (56.90 to 57.90): VU040660.D (-2275) (-)

Ion 100.15 (99.85 to 100.85): VU040660.D (-2275) (-)



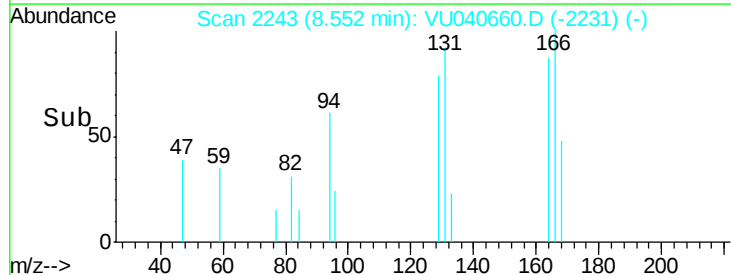
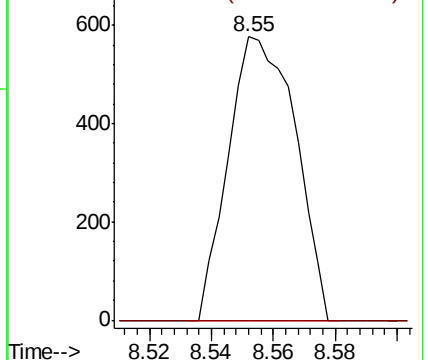
#49
Dibromochloromethane
Concen: 0.094 ug/L
RT: 8.55 min Scan# 2243
Delta R.T. -0.26 min
Lab File: VU040660.D
Acq: 12 Oct 2020 15:24

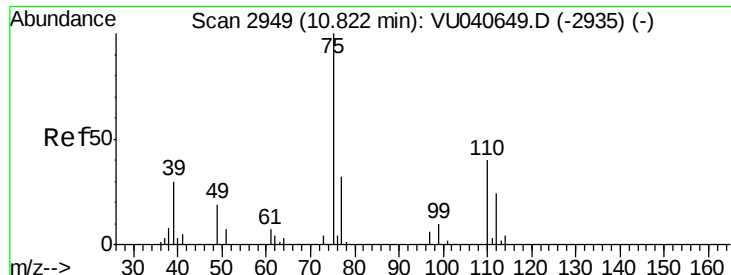
Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.8	103.6#



Abundance Ion 128.95 (128.65 to 129.65): VU040660.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU040660.D (-2231) (-)





#59

1,2,3-Trichloropropane

Concen: 0.818 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040660.D

Acq: 12 Oct 2020 15:24

Instrument :

MSVOA_U

ClientSampleId :

YAQY2

Tot Ion: 75 Resp: 6449

Ion Ratio Lower Upper

75 100

77 41.3 26.4 39.6#

