

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121020\
 Data File : VU041540.D
 Acq On : 10 Dec 2020 17:03
 Operator : SY/MD
 Sample : L4995-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Quant Time: Dec 11 06:08:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 11 06:06:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	37758	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	36537	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	19322	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	10336	5.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.60%
7) Chloroethane-d5	1.92	69	9831	5.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.60%
11) 1,1-Dichloroethene-d2	2.58	63	18954	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	4.66	46	27996	38.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.00%
24) Chloroform-d	5.08	84	26487	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.72	65	18933	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.74	84	40562	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.70	67	12107	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.90	98	39629	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	8.19	79	6704	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.64	63	21086	35.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.86%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	10459	3.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	17968	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

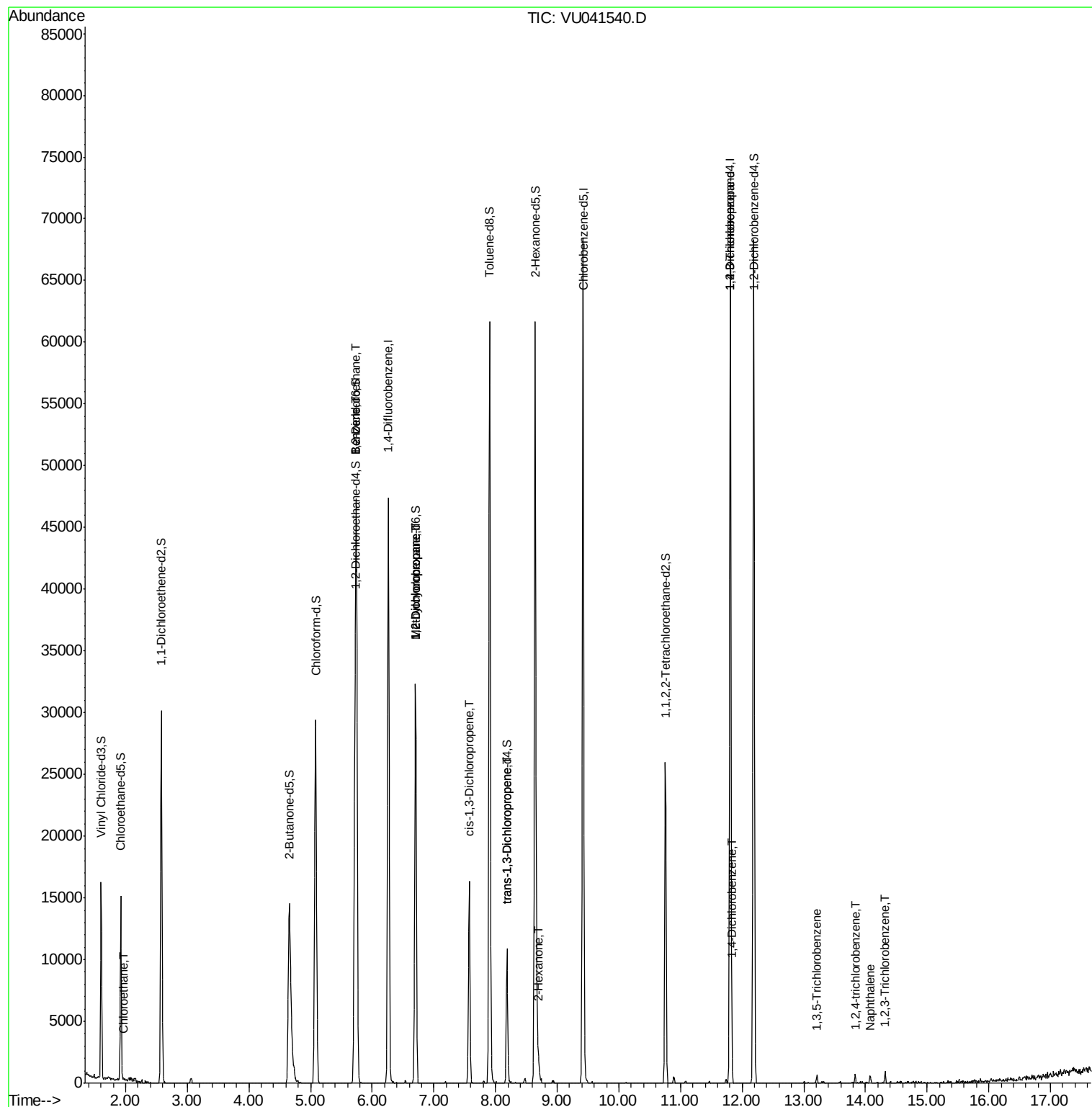
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.97	64	90	0.054	ug/L #	45
27) 1,2-Dichloroethane	5.74	62	267	0.065	ug/L #	79
33) Benzene	5.74	78	300	0.033	ug/L	100
35) Methylcyclohexane	6.70	83	3638	0.977	ug/L #	17
37) 1,2-Dichloropropane	6.71	63	1891	0.892	ug/L #	84
39) cis-1,3-Dichloropropene	7.57	75	419	0.109	ug/L #	70
44) trans-1,3-Dichloropropene	8.19	75	287	0.075	ug/L #	42
48) 2-Hexanone	8.70	43	726	0.532	ug/L #	72
59) 1,2,3-Trichloropropane	11.81	75	1775	0.863	ug/L #	80
63) 1,4-Dichlorobenzene	11.84	146	244	0.044	ug/L #	23
67) 1,3,5-Trichlorobenzene	13.21	180	274	0.063	ug/L #	75
68) 1,2,4-trichlorobenzene	13.84	180	366	0.105	ug/L #	83
69) Naphthalene	14.07	128	776	0.142	ug/L #	69
70) 1,2,3-Trichlorobenzene	14.32	180	495	0.161	ug/L #	80

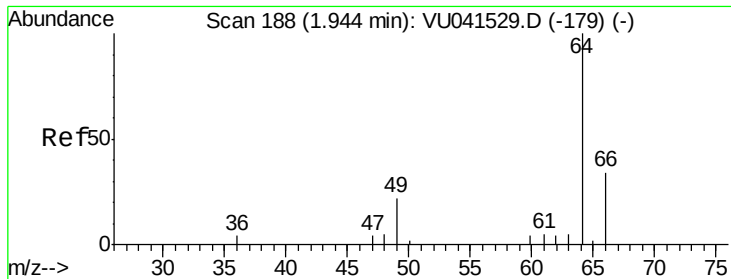
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.054 ug/L

RT: 1.97 min Scan# 197

Delta R.T. 0.03 min

Lab File: VU041540.D

Acq: 10 Dec 2020 17:03

Instrument :

MSVOA_U

ClientSampled :

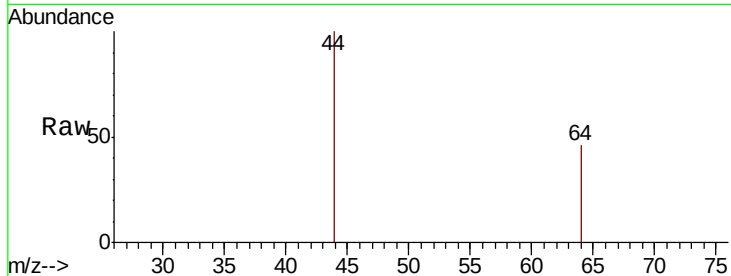
VHBLK01

Tot Ion: 64 Resp: 90

Ion Ratio Lower Upper

64 100

66 0.0 20.9 38.9#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.97

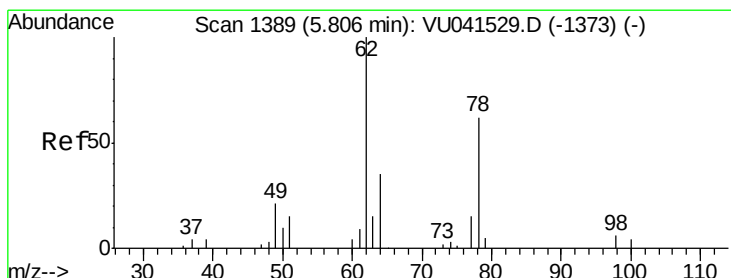
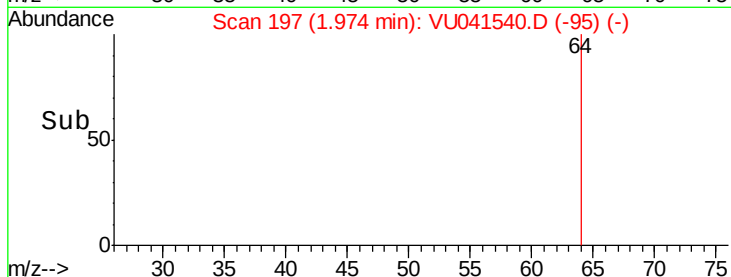
100

50

0

Time-->

1.95 1.96 1.97 1.98 1.99



#27

1,2-Dichloroethane

Concen: 0.065 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.07 min

Lab File: VU041540.D

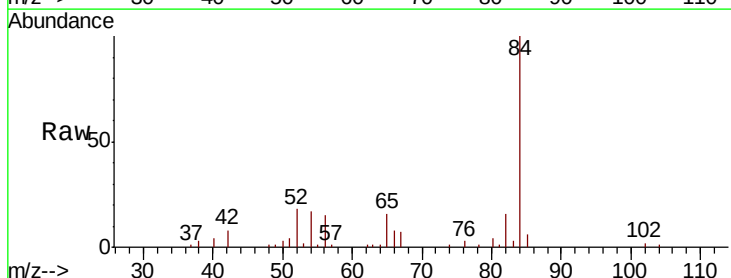
Acq: 10 Dec 2020 17:03

Tgt Ion: 62 Resp: 267

Ion Ratio Lower Upper

62 100

98 0.0 5.7 8.5#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.74

250

200

150

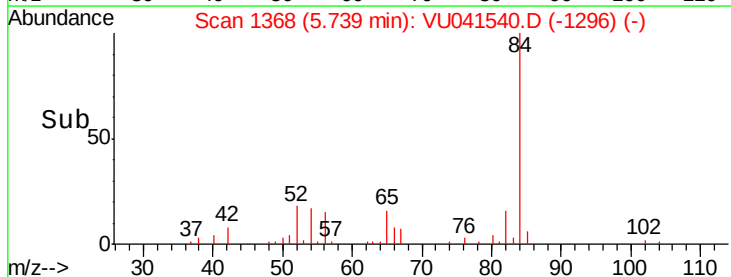
100

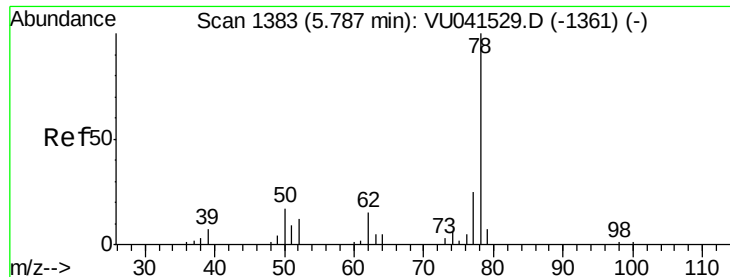
50

0

Time-->

5.72 5.74 5.76





#33

Benzene

Concen: 0.033 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.05 min

Lab File: VU041540.D

Acq: 10 Dec 2020 17:03

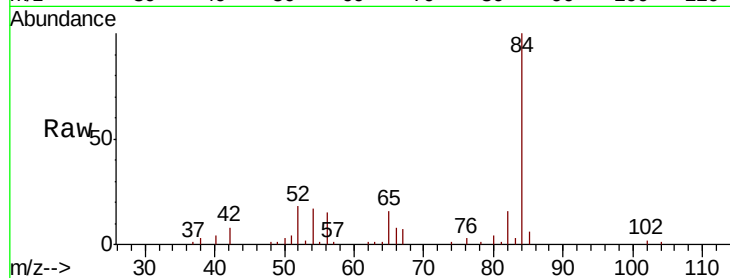
Instrument :

MSVOA_U

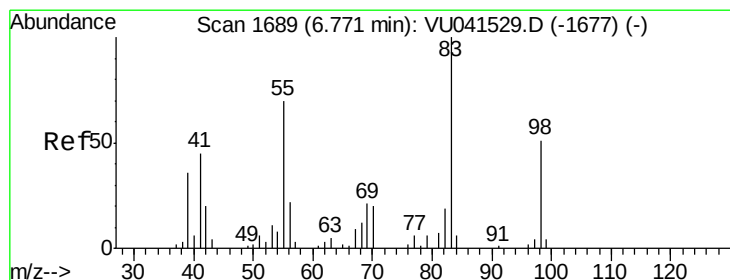
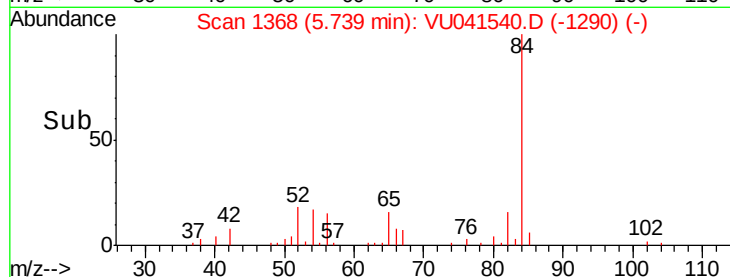
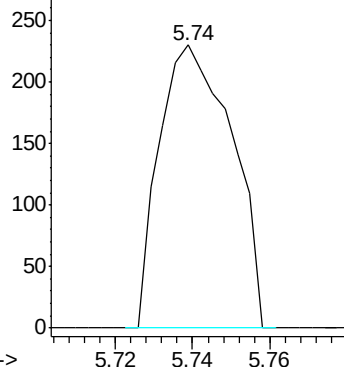
ClientSampleId :

VHBLK01

Tgt Ion: 78 Resp: 300



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.977 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041540.D

Acq: 10 Dec 2020 17:03

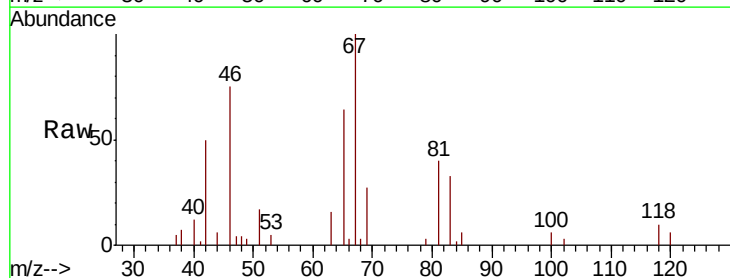
Tgt Ion: 83 Resp: 3638

Ion Ratio Lower Upper

83 100

55 0.0 62.1 93.1#

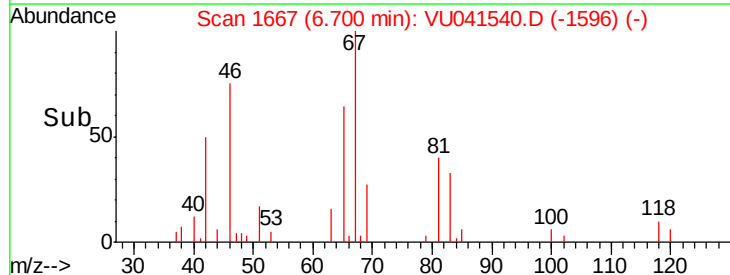
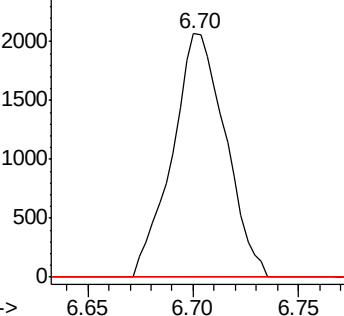
98 0.0 38.7 58.1#

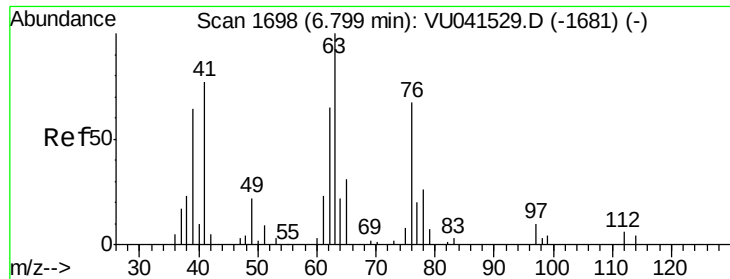


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

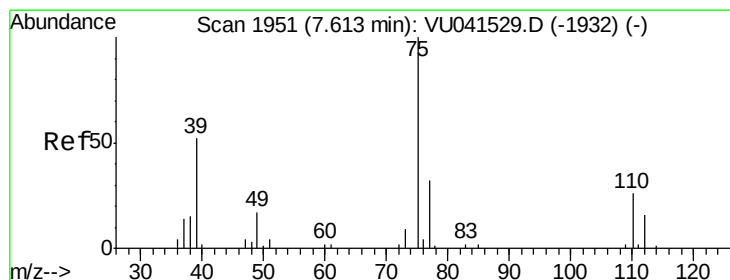
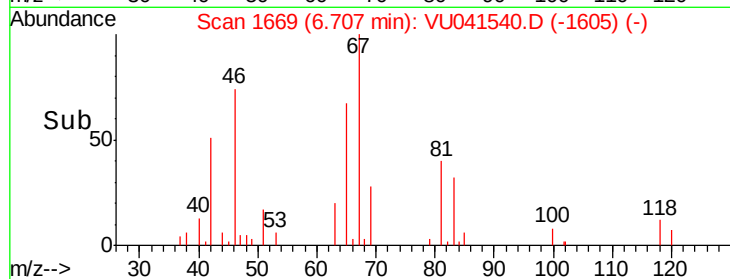
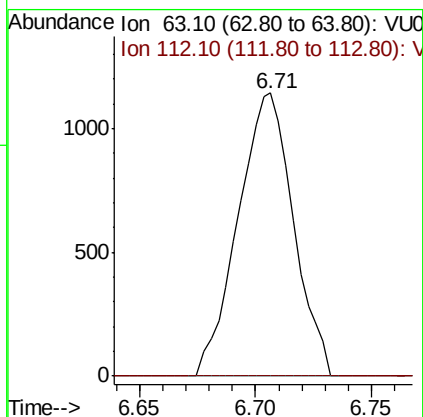
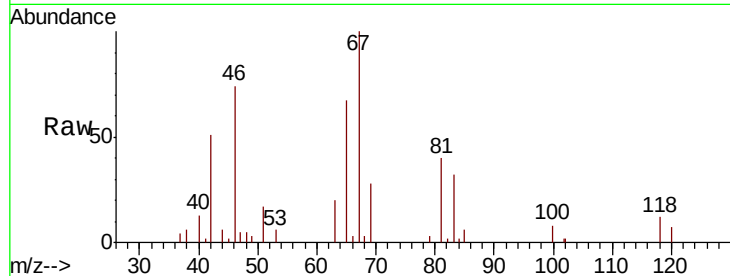




#37
 1,2-Dichloropropane
 Concen: 0.892 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.09 min
 Lab File: VU041540.D
 Acq: 10 Dec 2020 17:03

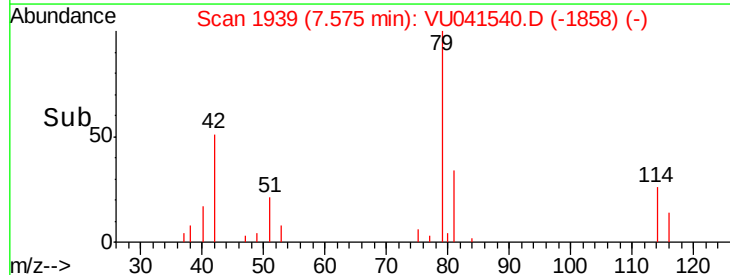
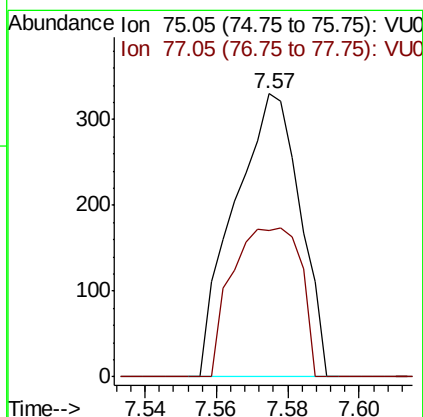
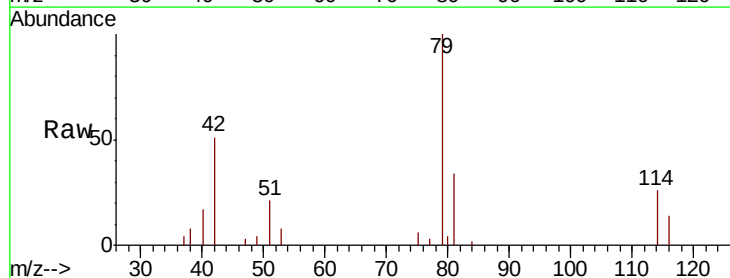
Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

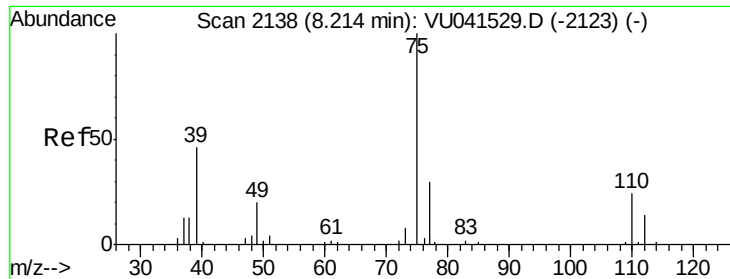
Tot Ion: 63 Resp: 1891
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041540.D
 Acq: 10 Dec 2020 17:03

Tgt Ion: 75 Resp: 419
 Ion Ratio Lower Upper
 75 100
 77 51.8 24.0 44.6#





#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041540.D

Acq: 10 Dec 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

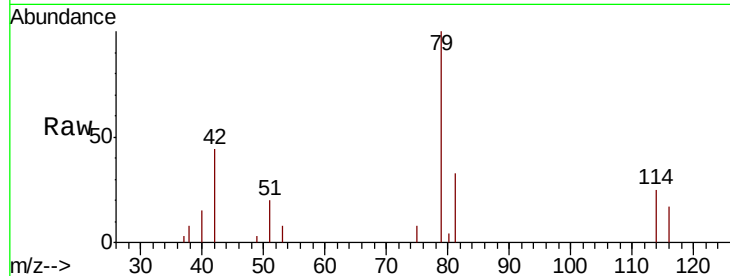
VHBLK01

Tot Ion: 75 Resp: 287

Ion Ratio Lower Upper

75 100

77 0.0 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

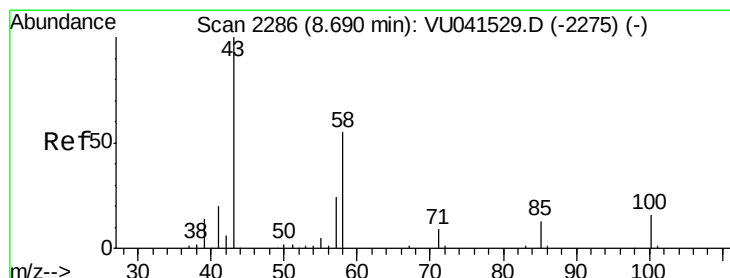
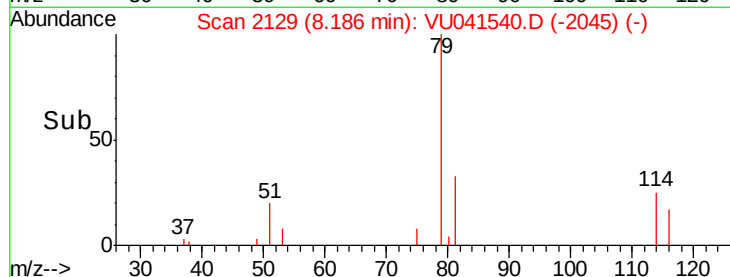
300

200

100

0

Time-->



#48

2-Hexanone

Concen: 0.532 ug/L

RT: 8.70 min Scan# 2288

Delta R.T. 0.01 min

Lab File: VU041540.D

Acq: 10 Dec 2020 17:03

Tgt Ion: 43 Resp: 726

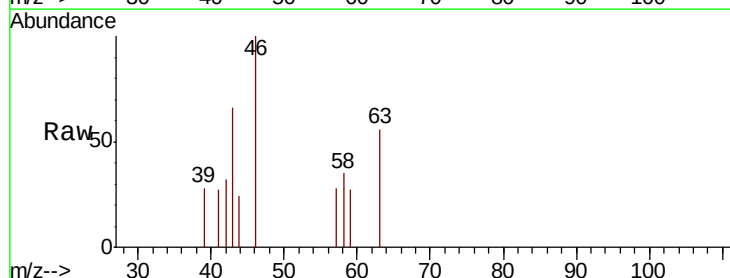
Ion Ratio Lower Upper

43 100

58 28.9 41.4 62.0#

57 14.5 17.1 25.7#

100 0.0 10.6 16.0#



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

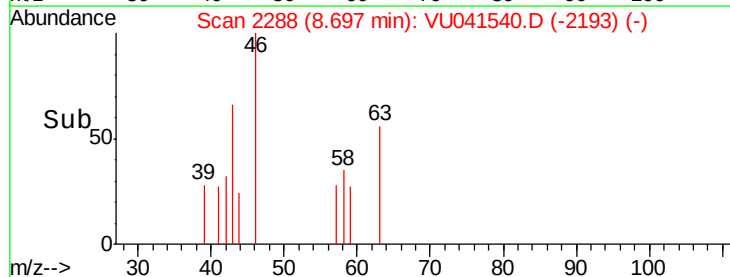
1500

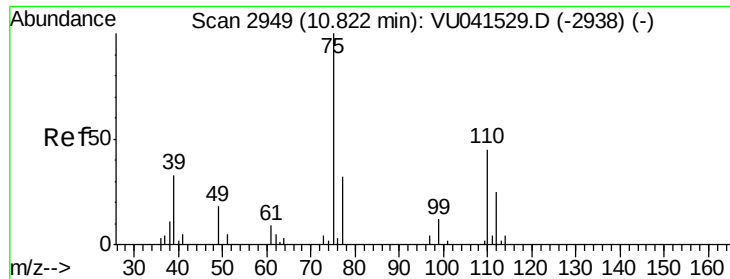
1000

500

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.863 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041540.D

Acq: 10 Dec 2020 17:03

Instrument :

MSVOA_U

ClientSampled :

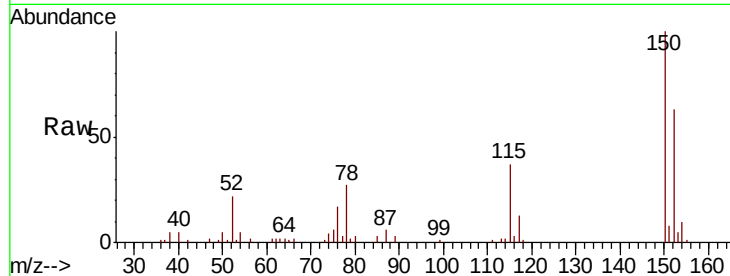
VHBLK01

Tot Ion: 75 Resp: 1775

Ion Ratio Lower Upper

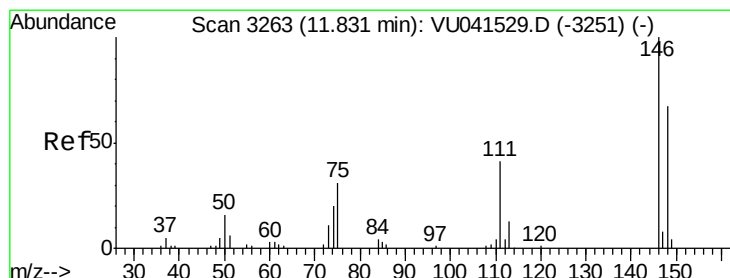
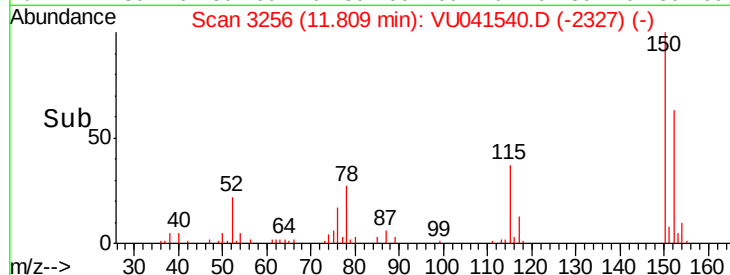
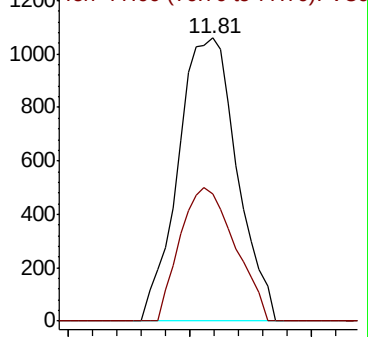
75 100

77 44.0 26.3 39.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#63

1,4-Dichlorobenzene

Concen: 0.044 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.01 min

Lab File: VU041540.D

Acq: 10 Dec 2020 17:03

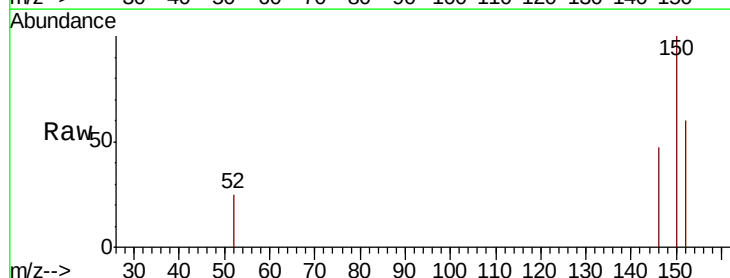
Tgt Ion: 146 Resp: 244

Ion Ratio Lower Upper

146 100

111 0.0 30.7 57.1#

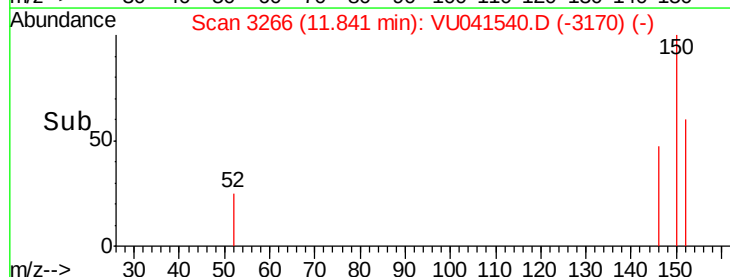
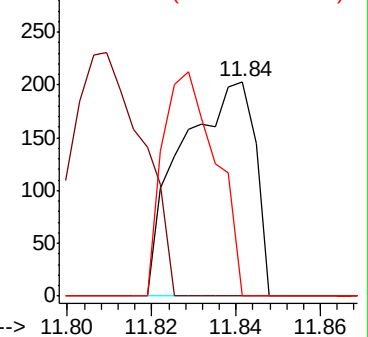
148 0.0 45.8 85.2#

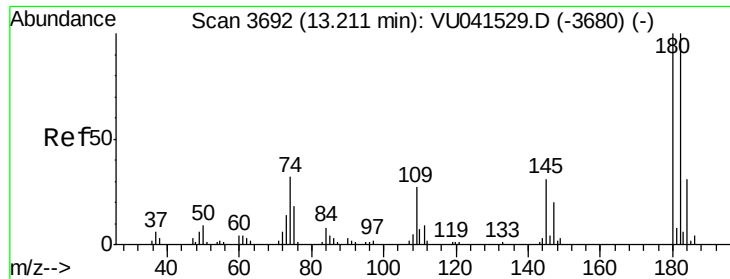


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

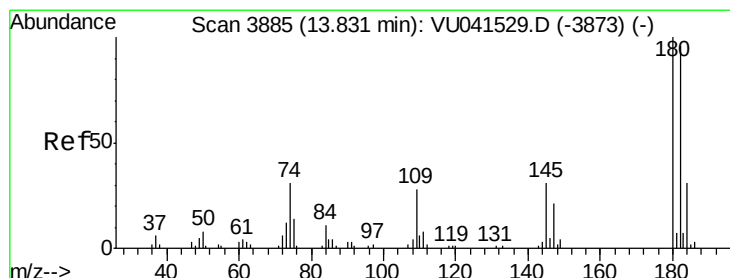
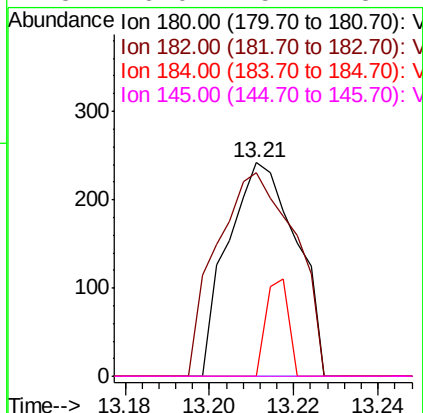
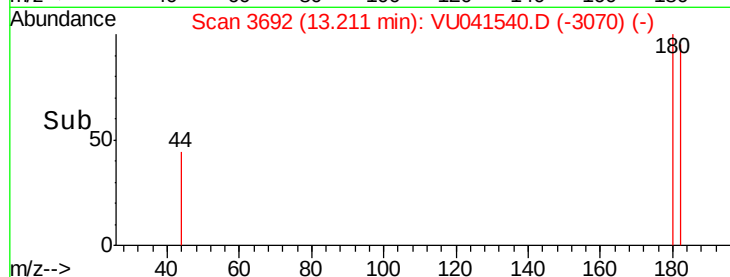
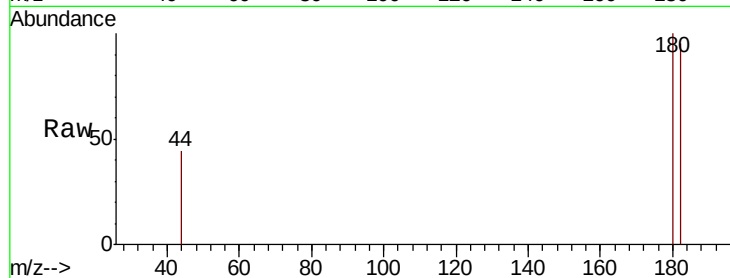




#67
 1,3,5-Trichlorobenzene
 Concen: 0.063 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041540.D
 Acq: 10 Dec 2020 17:03

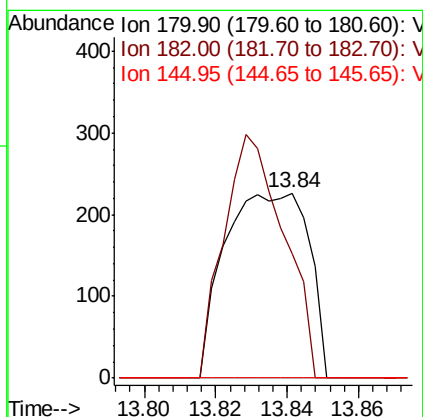
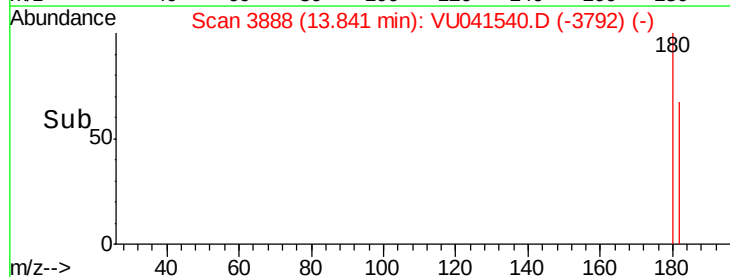
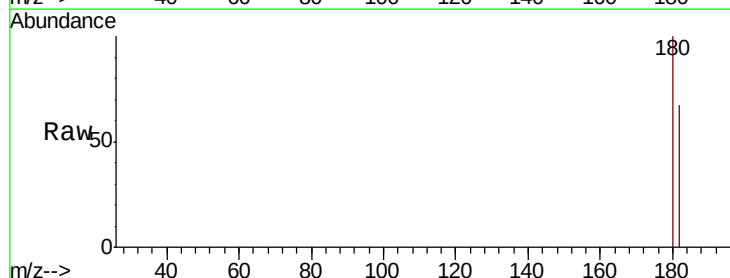
Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

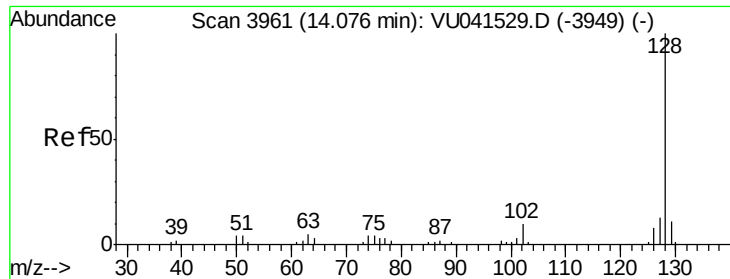
Tot Ion:180 Resp: 274
 Ion Ratio Lower Upper
 180 100
 182 109.1 76.3 114.5
 184 15.0 23.8 35.6#
 145 0.0 25.1 37.7#



#68
 1,2,4-trichlorobenzene
 Concen: 0.105 ug/L
 RT: 13.84 min Scan# 3888
 Delta R.T. 0.01 min
 Lab File: VU041540.D
 Acq: 10 Dec 2020 17:03

Tgt Ion:180 Resp: 366
 Ion Ratio Lower Upper
 180 100
 182 94.0 77.8 116.8
 145 0.0 26.4 39.6#





#69

Naphthalene

Concen: 0.142 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU041540.D

Acq: 10 Dec 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

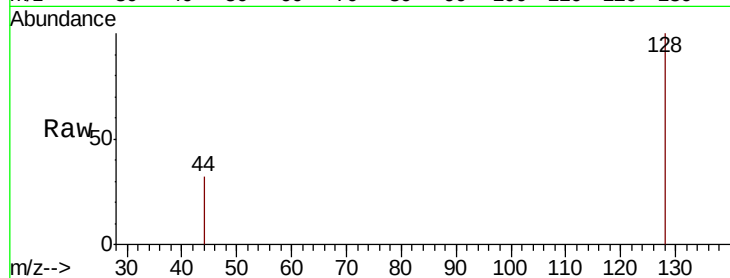
Tot Ion:128 Resp: 776

Ion Ratio Lower Upper

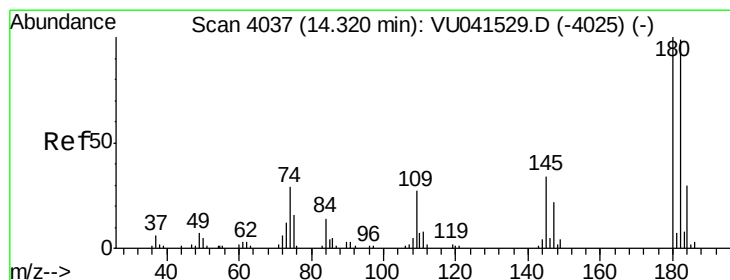
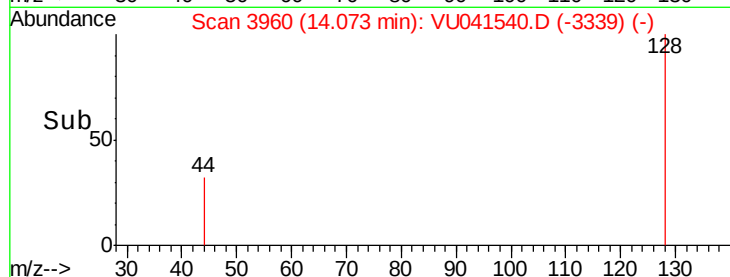
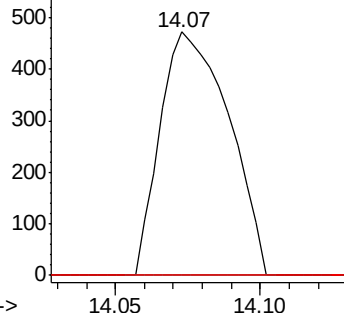
128 100

129 0.0 8.6 12.8#

127 0.0 10.9 16.3#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.161 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041540.D

Acq: 10 Dec 2020 17:03

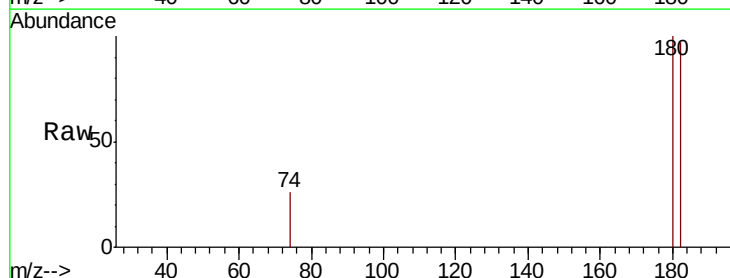
Tgt Ion:180 Resp: 495

Ion Ratio Lower Upper

180 100

182 92.7 79.1 118.7

145 0.0 27.8 41.8#



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

