

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101520\
 Data File : VU040711.D
 Acq On : 15 Oct 2020 11:22
 Operator : SY/MD
 Sample : VU1015WBL01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK29

Quant Time: Oct 16 04:31:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 16 04:23:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	117778	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124559	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	49848	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	46299	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.92	69	40741	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.20%
11) 1,1-Dichloroethene-d2	2.58	63	72927	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.40%
20) 2-Butanone-d5	4.66	46	171151	54.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.60%
24) Chloroform-d	5.08	84	90630	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.72	65	56718	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.80%
32) Benzene-d6	5.74	84	169565	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.70	67	59374	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.91	98	134911	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	8.19	79	21910	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.64	63	114939	47.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.42%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	48608	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	52224	5.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.00%

Target Compounds

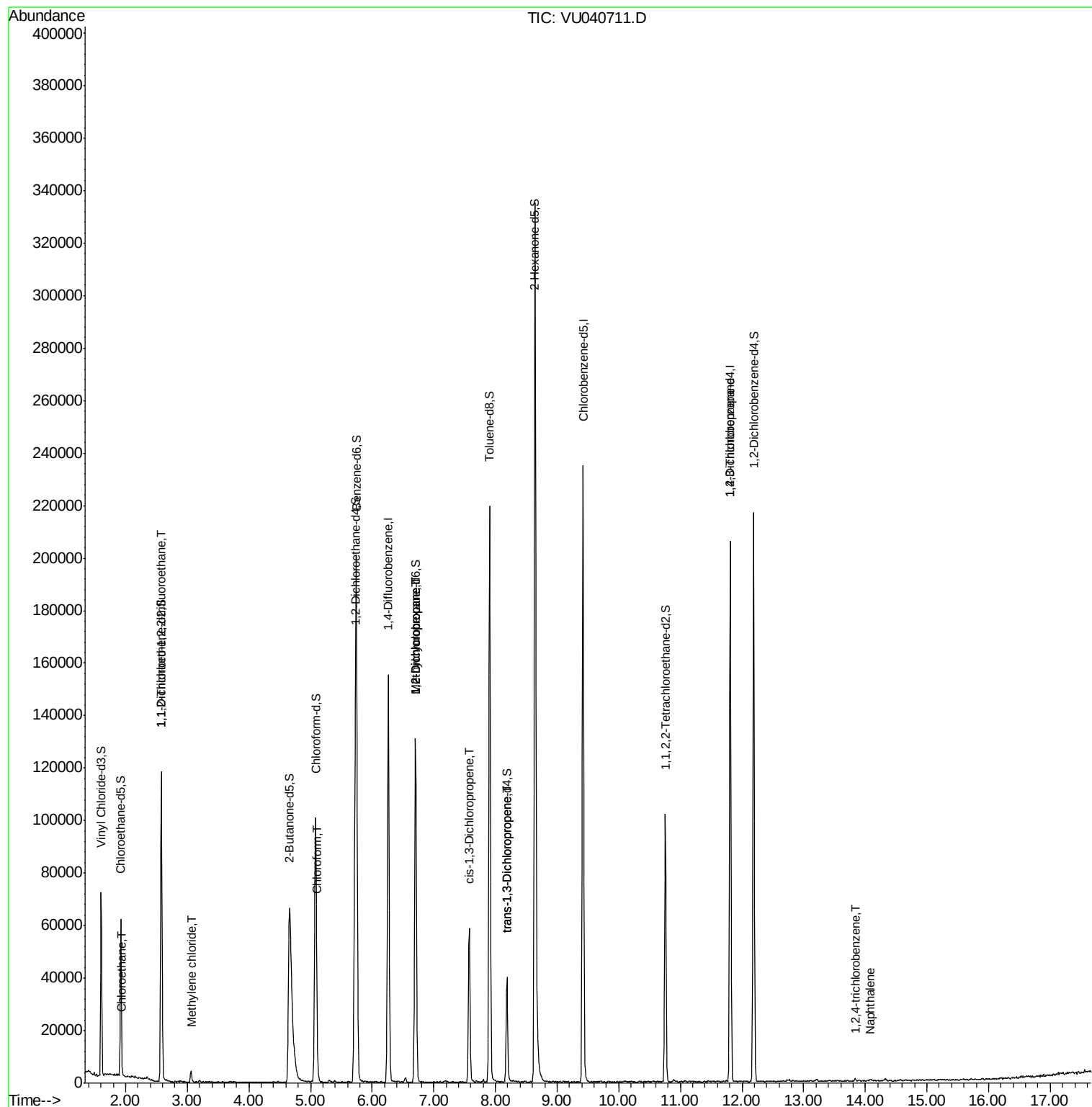
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	340	0.051	ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	626	0.064	ug/L #	20
16) Methylene chloride	3.06	84	1705	0.158	ug/L	87
25) Chloroform	5.11	83	3477	0.187	ug/L	95
35) Methylcyclohexane	6.70	83	13802	0.938	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6538	0.586	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1317	0.086	ug/L #	61
44) trans-1,3-Dichloropropene	8.19	75	1047	0.075	ug/L #	70
59) 1,2,3-Trichloropropane	11.81	75	6925	0.846	ug/L	93
68) 1,2,4-trichlorobenzene	13.83	180	474	0.053	ug/L #	76
69) Naphthalene	14.08	128	1048	0.072	ug/L #	69

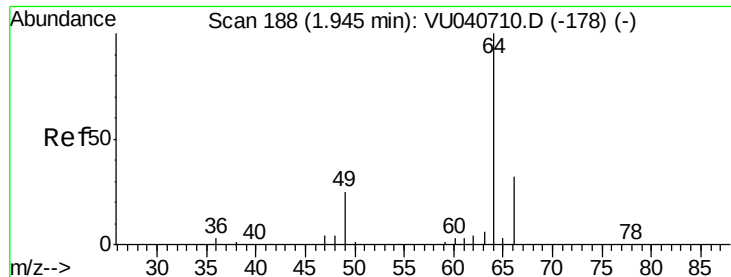
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 16 04:23:22 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.051 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU040711.D

Acq: 15 Oct 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

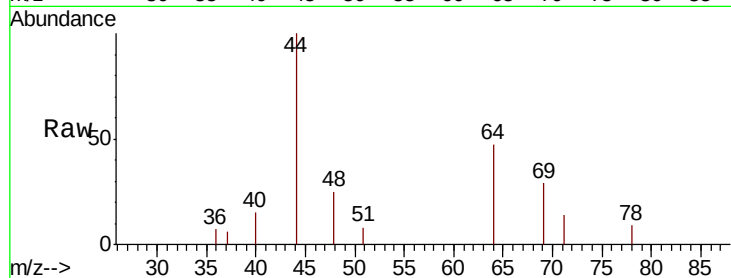
VBLK29

Tot Ion: 64 Resp: 340

Ion Ratio Lower Upper

64 100

66 0.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.95

800

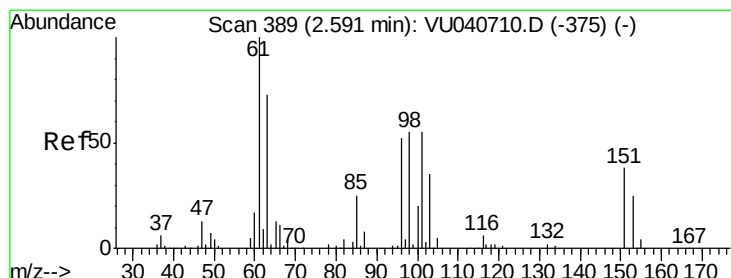
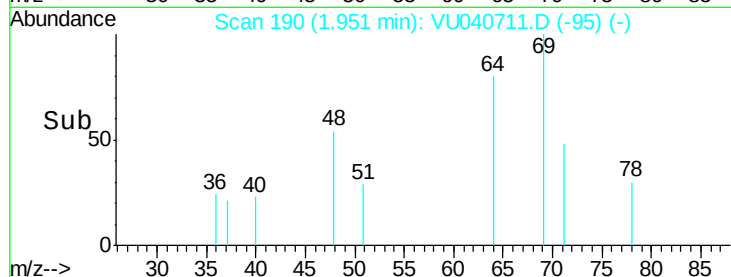
600

400

200

0

Time-->



#10

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

Concen: 0.064 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

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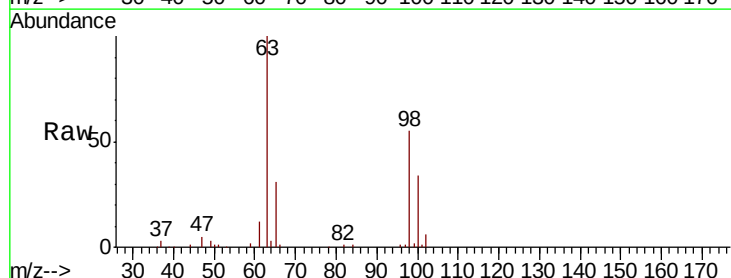
Tgt Ion: 101 Resp: 626

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

500

400

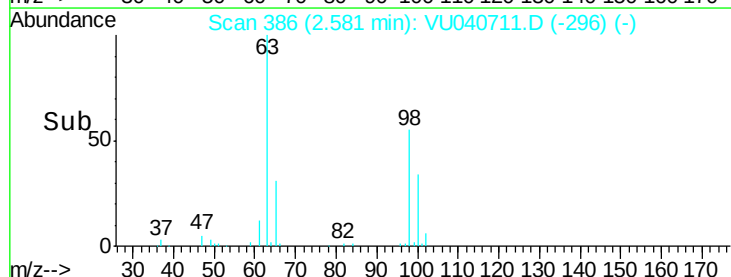
300

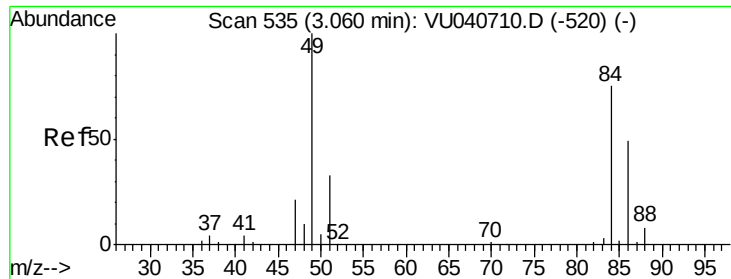
200

100

0

Time-->

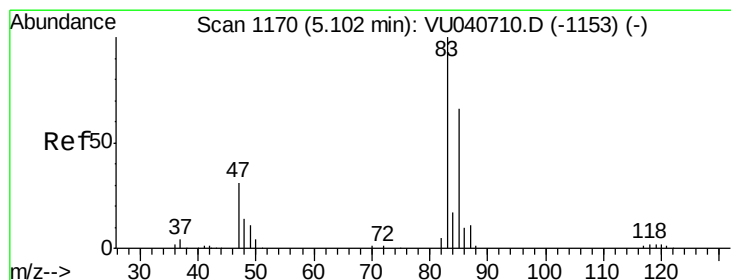
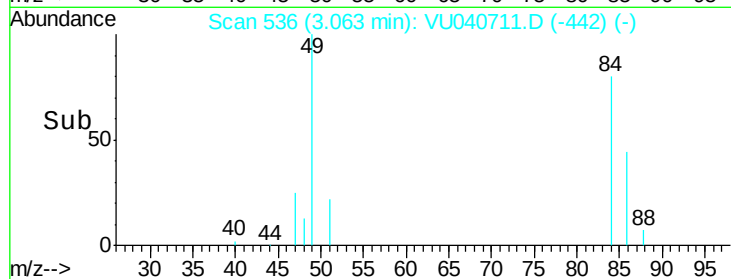
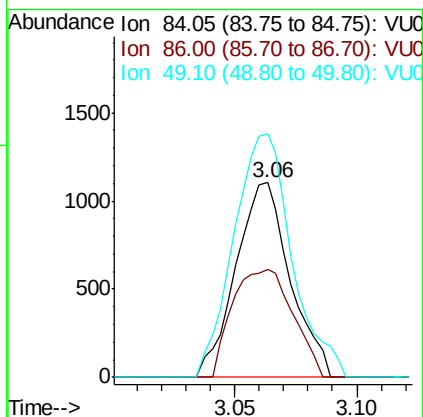
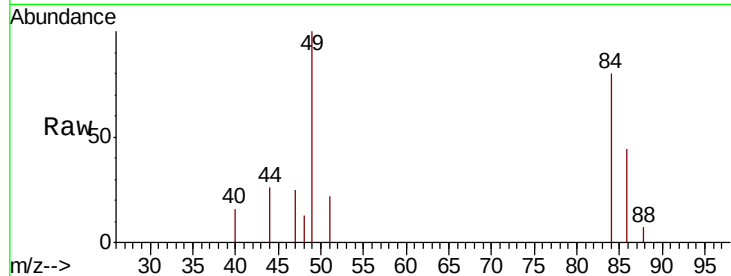




#16
Methvlene chloride
Concen: 0.158 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040711.D
Acq: 15 Oct 2020 11:22

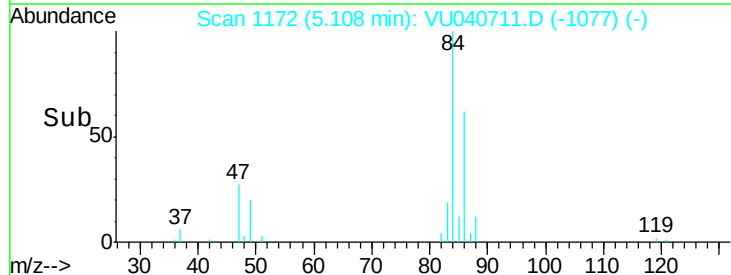
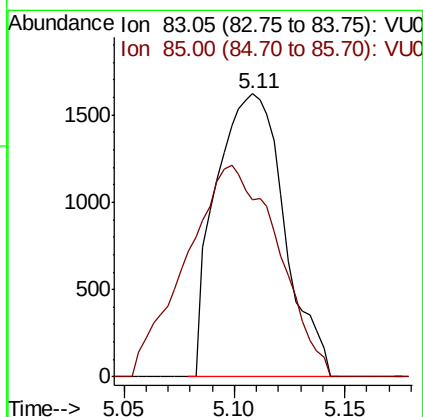
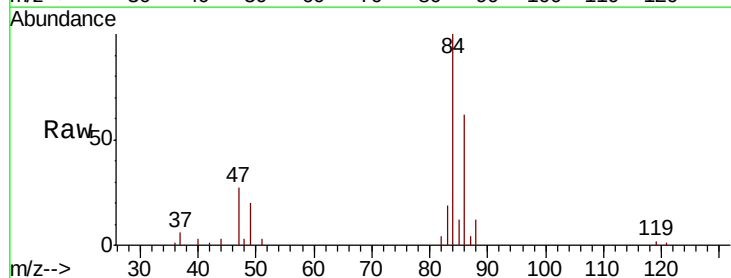
Instrument :
MSVOA_U
ClientSampleId :
VBLK29

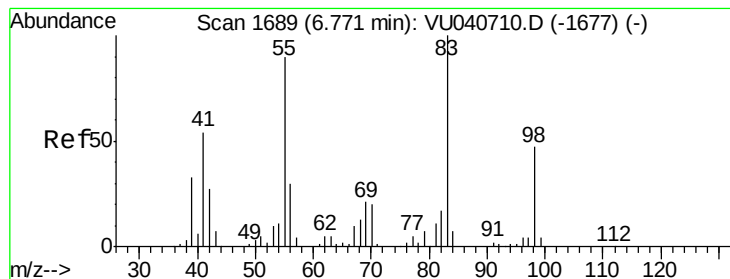
Tot Ion: 84 Resp: 1705
Ion Ratio Lower Upper
84 100
86 55.6 45.4 84.4
49 125.2 99.8 185.3



#25
Chloroform
Concen: 0.187 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU040711.D
Acq: 15 Oct 2020 11:22

Tgt Ion: 83 Resp: 3477
Ion Ratio Lower Upper
83 100
85 62.6 46.5 86.5





#35

Methylvlcyclohexane

Concen: 0.938 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040711.D

Acq: 15 Oct 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

VBLK29

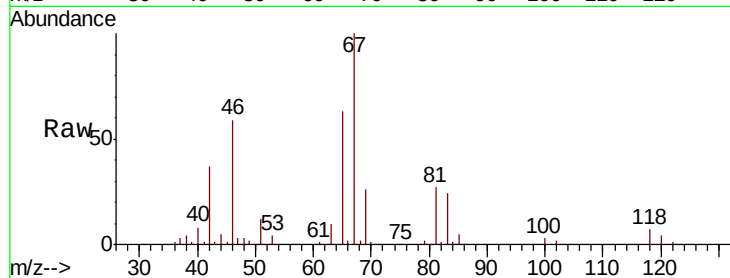
Tot Ion: 83 Resp: 13802

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

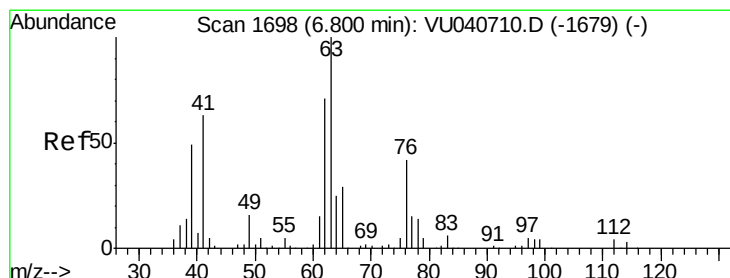
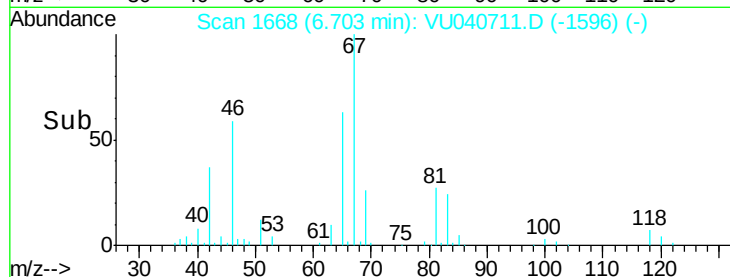
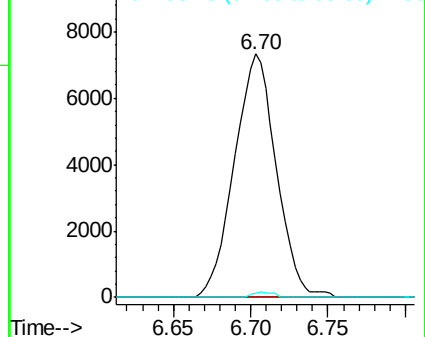
98 1.1 38.4 57.6#



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: 0.586 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040711.D

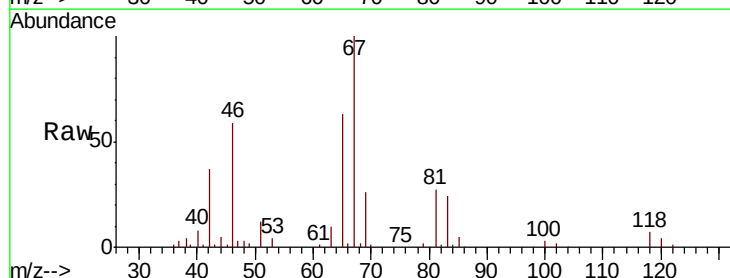
Acq: 15 Oct 2020 11:22

Tgt Ion: 63 Resp: 6538

Ion Ratio Lower Upper

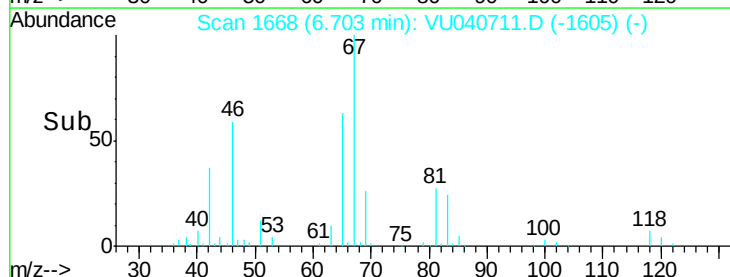
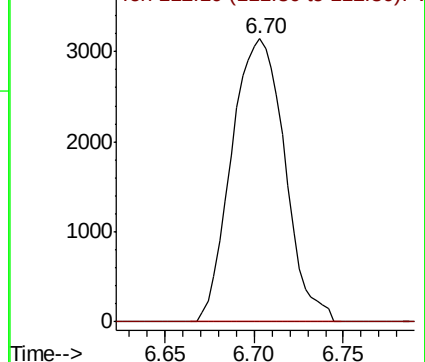
63 100

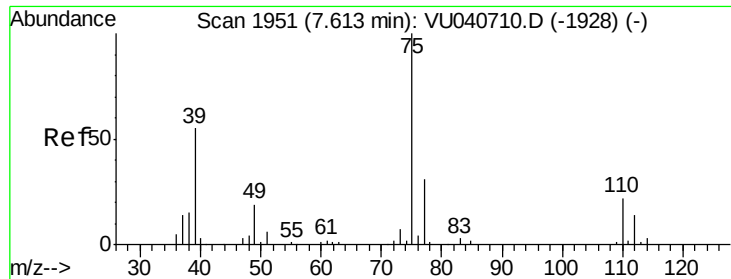
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU040711.D

Acq: 15 Oct 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

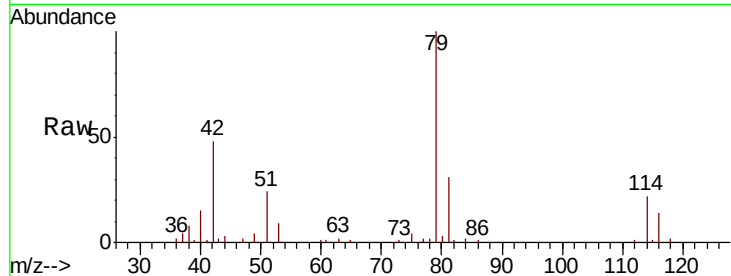
VBLK29

Tot Ion: 75 Resp: 1317

Ion Ratio Lower Upper

75 100

77 50.4 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.57

800

600

400

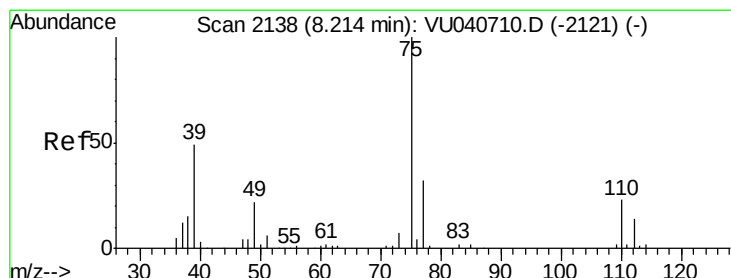
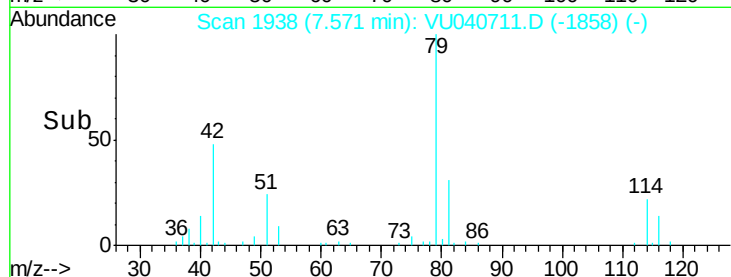
200

0

7.55

7.60

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040711.D

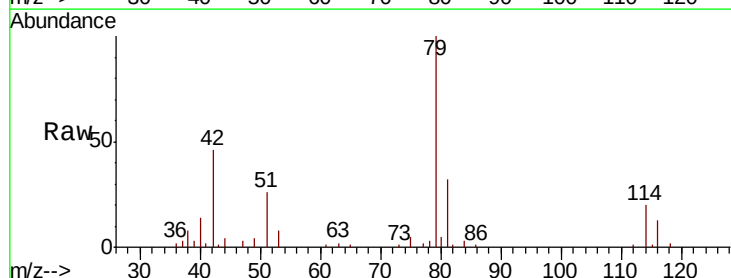
Acq: 15 Oct 2020 11:22

Tgt Ion: 75 Resp: 1047

Ion Ratio Lower Upper

75 100

77 45.2 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

600

400

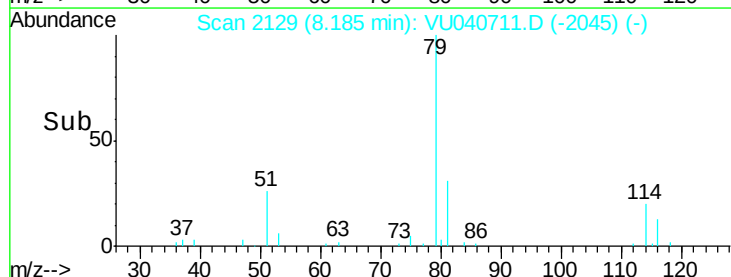
200

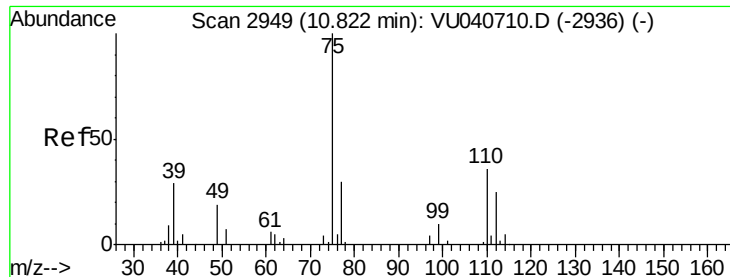
0

8.15

8.20

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.846 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040711.D

Acq: 15 Oct 2020 11:22

Instrument :

MSVOA_U

ClientSampleId :

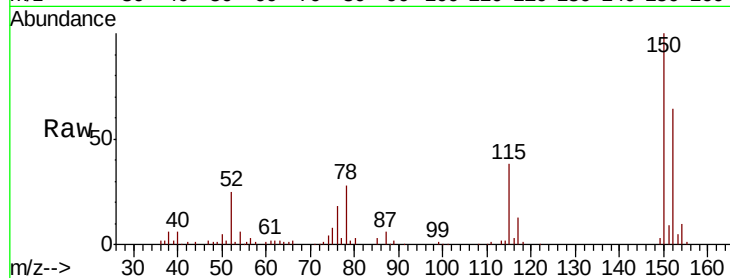
VBLK29

Tot Ion: 75 Resp: 6925

Ion Ratio Lower Upper

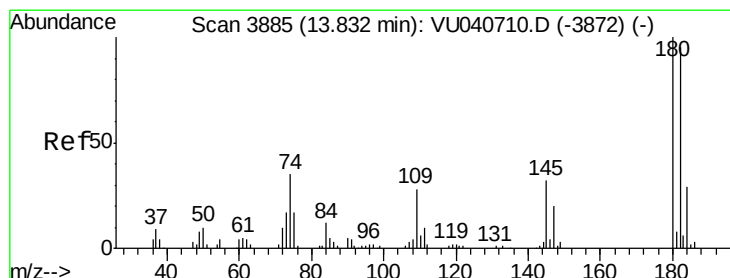
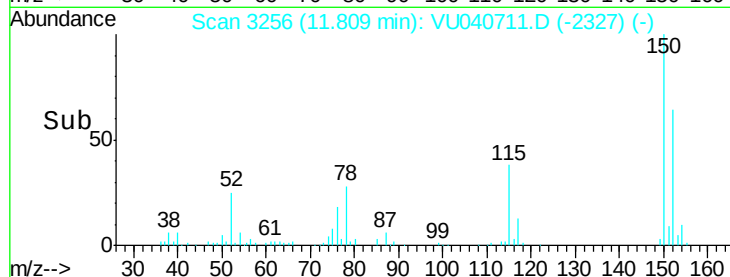
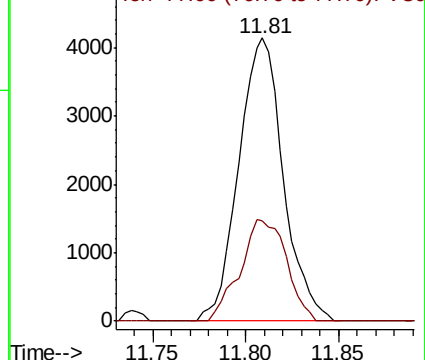
75 100

77 37.2 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#68

1,2,4-trichlorobenzene

Concen: 0.053 ug/L

RT: 13.83 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VU040711.D

Acq: 15 Oct 2020 11:22

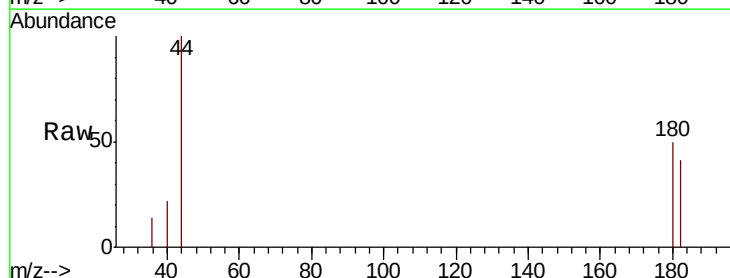
Tgt Ion: 180 Resp: 474

Ion Ratio Lower Upper

180 100

182 80.4 78.8 118.2

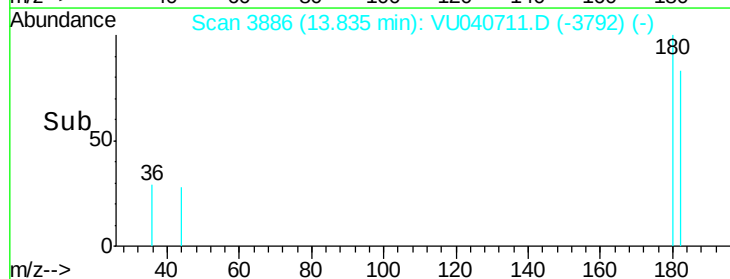
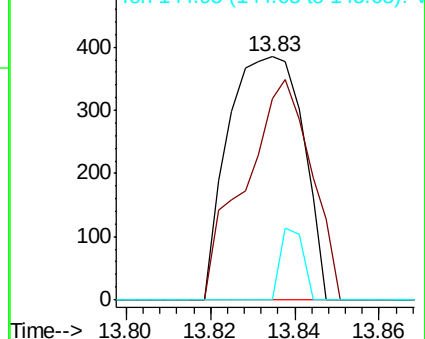
145 8.9 26.1 39.1#

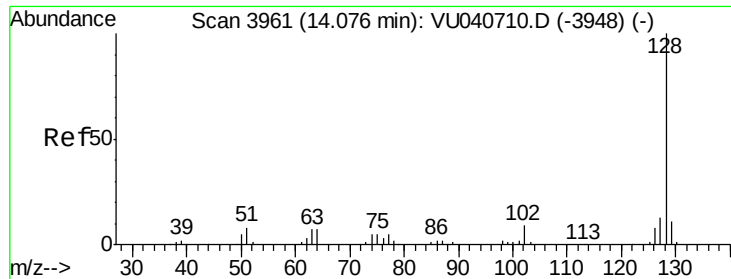


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.072 ug/L

RT: 14.08 min Scan# 3963

Delta R.T. 0.01 min

Lab File: VU040711.D

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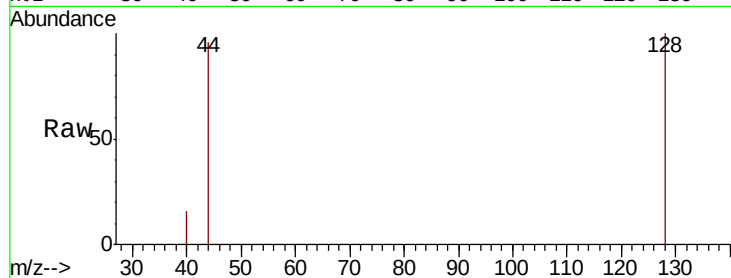
Tot Ion:128 Resp: 1048

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.4#

127 0.0 10.2 15.4#



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

14.08

800

600

400

200

0

Time-->

