

Data File : VU036693.D
Acq On : 07 Feb 2020 11:11
Operator : JC/MD
Sample : VU0207MBL01
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK104

Quant Time: Feb 07 22:39:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 22:36:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	255663	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	238513	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	101156	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	82777	48.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.10%
7) Chloroethane-d5	1.93	69	78824	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.72%
11) 1,1-Dichloroethene-d2	2.59	63	115295	35.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.64%
21) 2-Butanone-d5	4.68	46	168312	115.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.70%
24) Chloroform-d	5.11	84	151247	49.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.02%
26) 1,2-Dichloroethane-d4	5.75	65	107442	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.82%
32) Benzene-d6	5.77	84	322426	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.84%
36) 1,2-Dichloropropane-d6	6.73	67	108421	52.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.16%
41) Toluene-d8	7.93	98	289163	50.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.72%
43) trans-1,3-Dichloropropene-	8.21	79	49748	49.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.82%
47) 2-Hexanone-d5	8.67	63	131301	110.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.52%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	158892	51.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.60%
66) 1,2-Dichlorobenzene-d4	12.21	152	96465	52.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.98%

Target Compounds

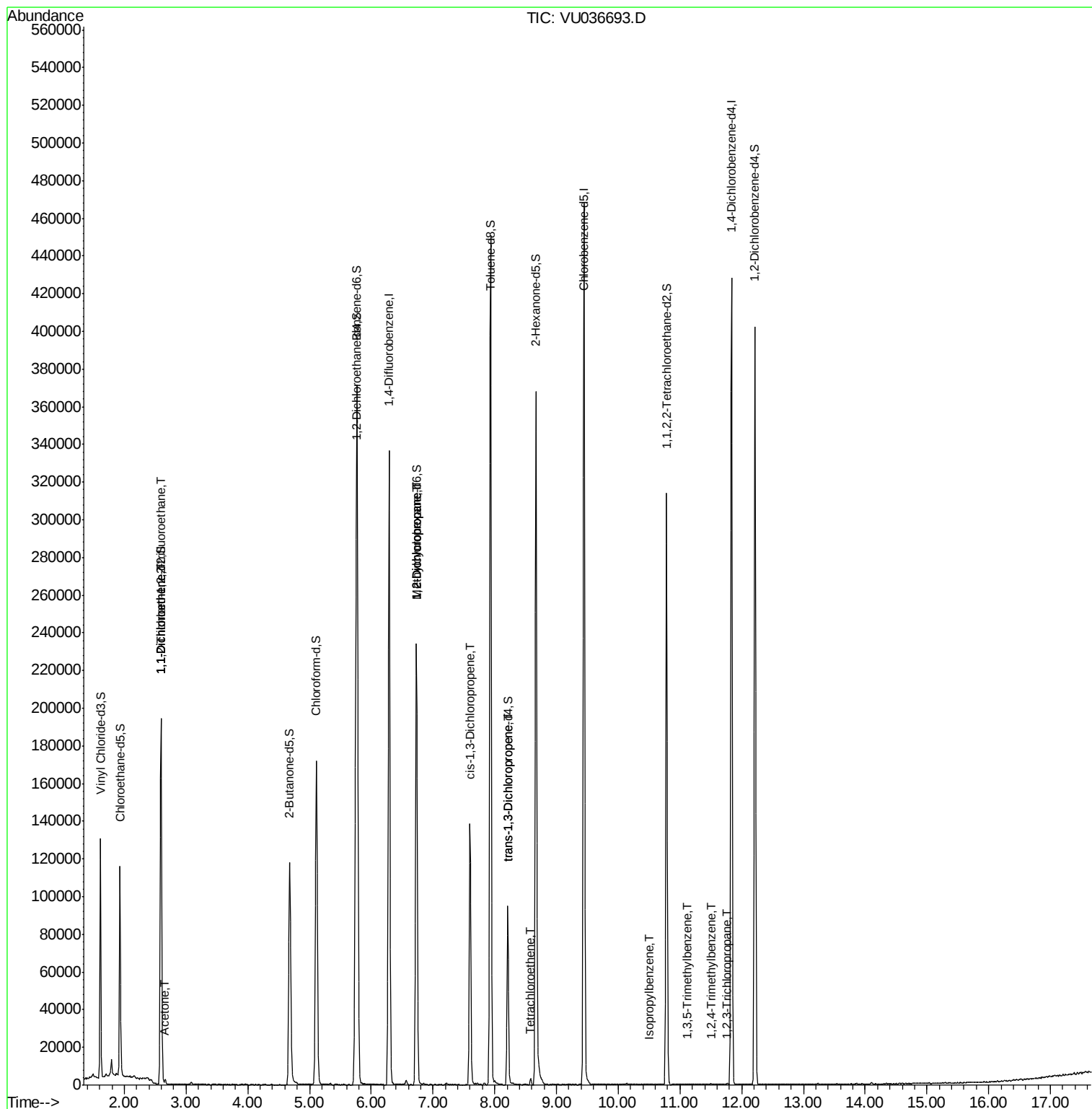
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1001	0.624	ug/L #	23
12) 1,1-Dichloroethene	2.59	96	962	0.616	ug/L #	1
13) Acetone	2.66	43	2441	1.580	ug/L	94
35) Methylcyclohexane	6.73	83	23718	7.549	ug/L #	20
37) 1,2-Dichloropropane	6.73	63	12135	6.238	ug/L #	88
39) cis-1,3-Dichloropropene	7.60	75	3255	1.047	ug/L #	68
44) trans-1,3-Dichloropropene	8.21	75	2120	0.781	ug/L #	50
46) Tetrachloroethene	8.58	164	755	0.603	ug/L	79
60) 1,2,3-Trichloropropane	11.77	75	47	0.020	ug/L #	42
61) Isopropylbenzene	10.51	105	172	0.023	ug/L #	55
62) 1,3,5-Trimethylbenzene	11.11	105	157	0.024	ug/L #	30
63) 1,2,4-Trimethylbenzene	11.49	105	334	0.052	ug/L #	32

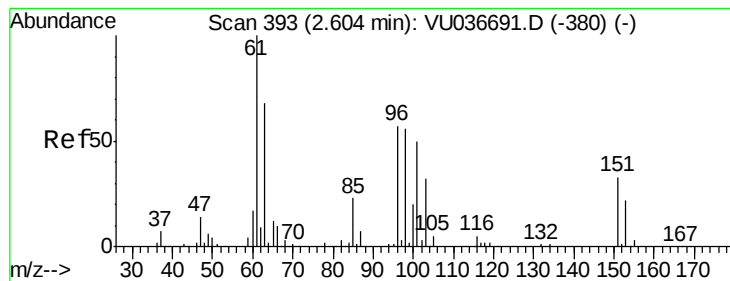
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.624 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU036693.D

Acq: 07 Feb 2020 11:11

Instrument :

MSVOA_U

ClientSampleId :

VBLK104

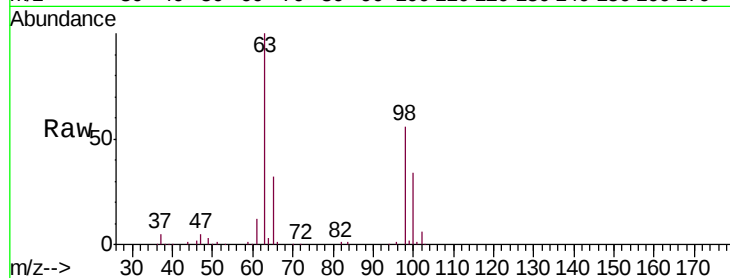
Tgt Ion: 101 Resp: 1001

Ion Ratio Lower Upper

101 100

85 0.0 36.5 54.7#

151 0.0 52.6 78.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VUC

Ion 151.00 (150.70 to 151.70): V

2.59

800

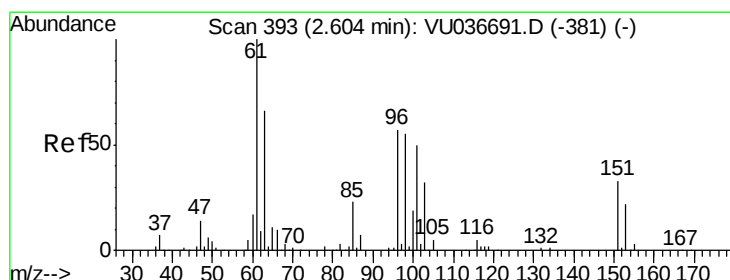
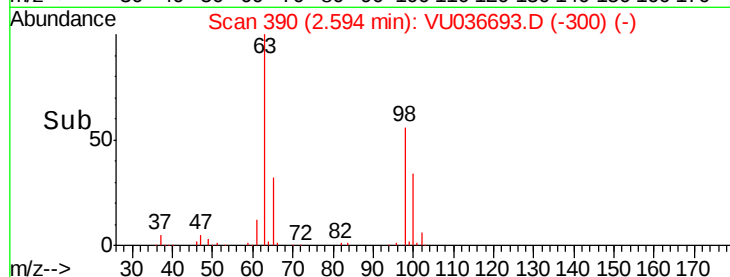
600

400

200

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.616 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU036693.D

Acq: 07 Feb 2020 11:11

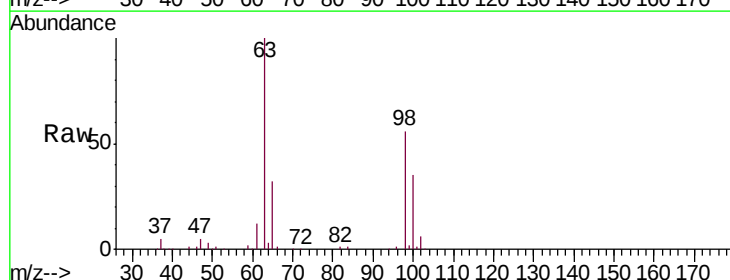
Tgt Ion: 96 Resp: 962

Ion Ratio Lower Upper

96 100

61 1350.8 124.4 231.0#

63 11377.0 83.4 155.0#



Abundance Ion 96.00 (95.70 to 96.70): VUC

Ion 61.00 (60.70 to 61.70): VUC

Ion 63.00 (62.70 to 63.70): VUC

100000

80000

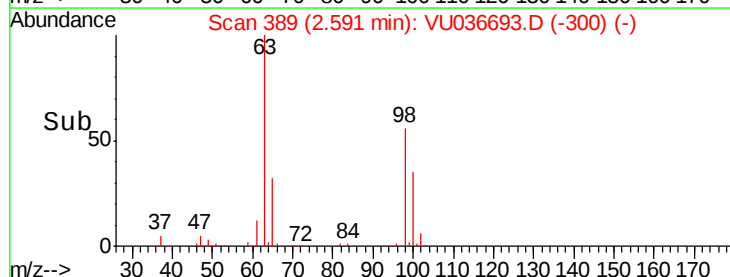
60000

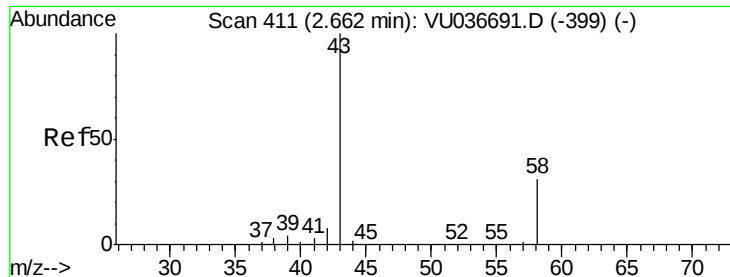
40000

20000

0

Time-->





#13

Acetone

Concen: 1.580 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036693.D

Acq: 07 Feb 2020 11:11

Instrument :

MSVOA_U

ClientSampleId :

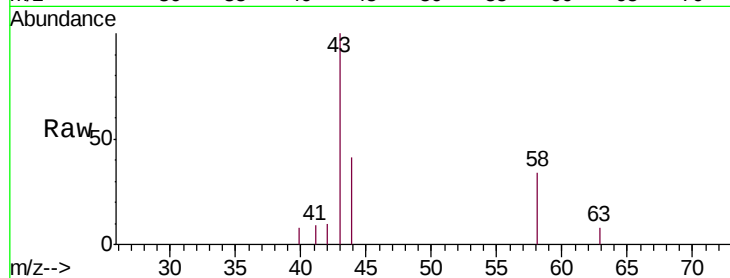
VBLK104

Tgt Ion: 43 Resp: 2441

Ion Ratio Lower Upper

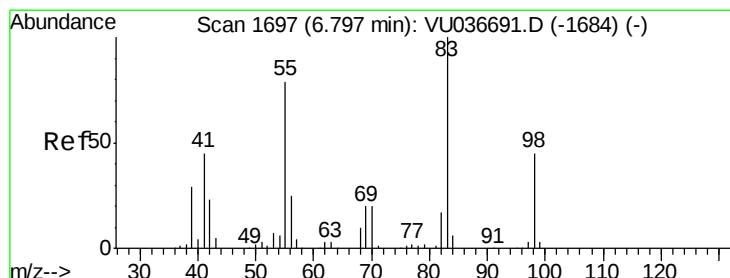
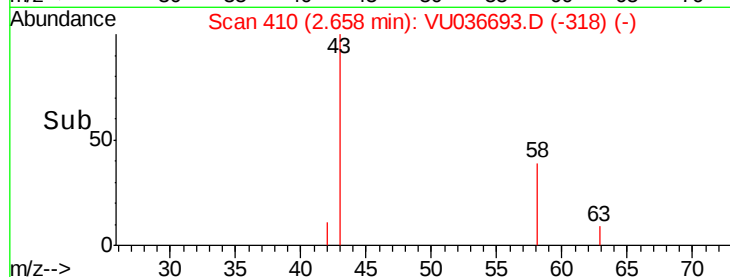
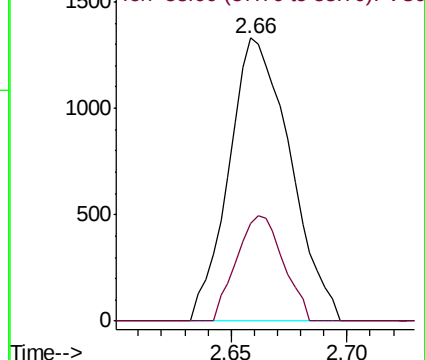
43 100

58 28.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU036693.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VU036693.D (-318) (-)



#35

Methylcyclohexane

Concen: 7.549 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.07 min

Lab File: VU036693.D

Acq: 07 Feb 2020 11:11

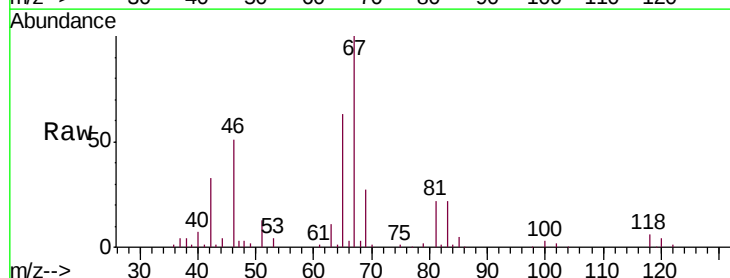
Tgt Ion: 83 Resp: 23718

Ion Ratio Lower Upper

83 100

55 0.2 61.2 91.8#

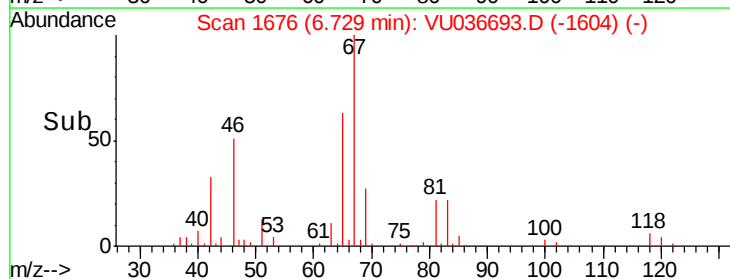
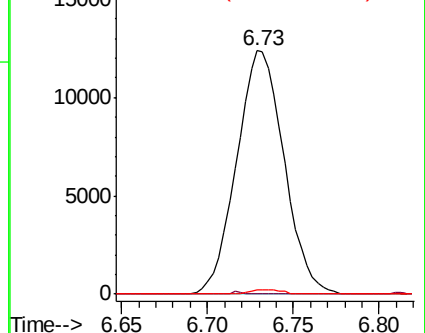
98 1.2 35.4 53.0#

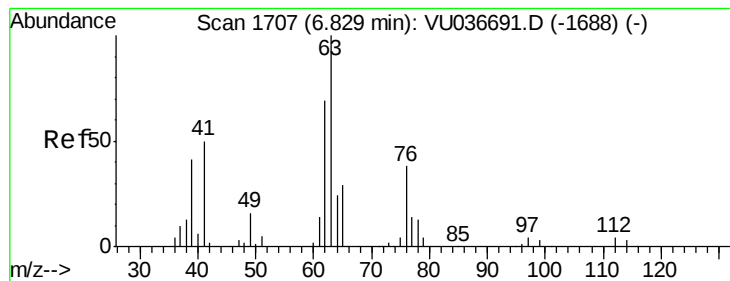


Abundance Ion 83.00 (82.70 to 83.70): VU036693.D (-1604) (-)

Ion 55.00 (54.70 to 55.70): VU036693.D (-1604) (-)

Ion 98.00 (97.70 to 98.70): VU036693.D (-1604) (-)





#37

1,2-Dichloropropane

Concen: 6.238 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.10 min

Lab File: VU036693.D

Acq: 07 Feb 2020 11:11

Instrument :

MSVOA_U

ClientSampleId :

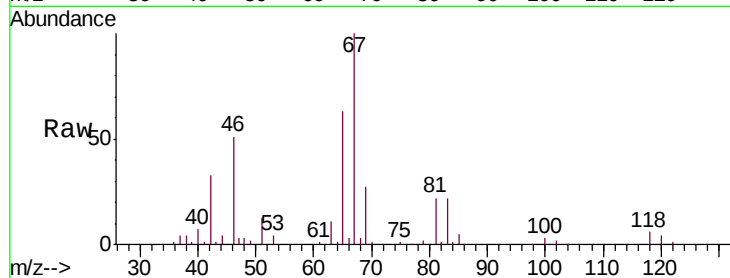
VBLK104

Tgt Ion: 63 Resp: 12135

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU036693.D (-1676) (-)

Ion 112.00 (111.70 to 112.70): VU036693.D (-1676) (-)

6.73

6000

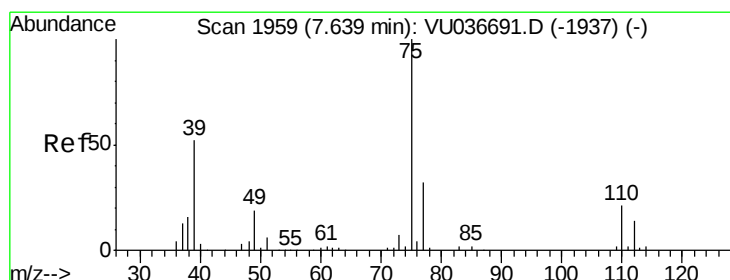
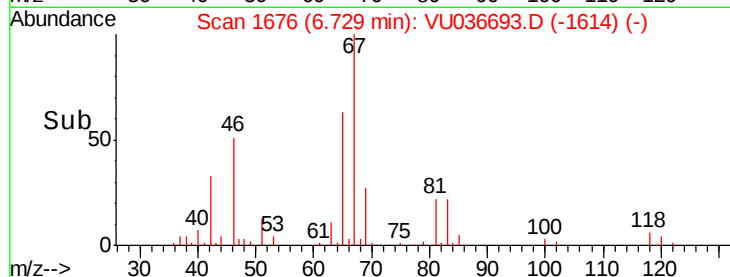
4000

2000

0

6.70 6.75 6.80

Time-->



#39

cis-1,3-Dichloropropene

Concen: 1.047 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU036693.D

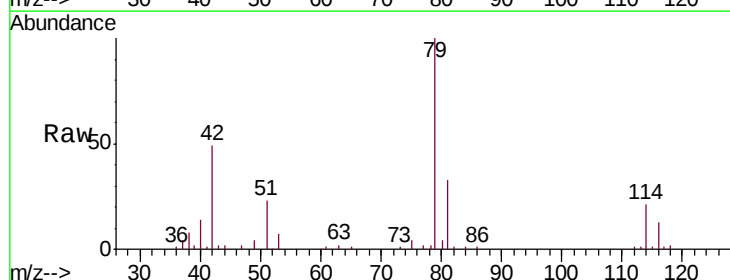
Acq: 07 Feb 2020 11:11

Tgt Ion: 75 Resp: 3255

Ion Ratio Lower Upper

75 100

77 49.6 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VU036693.D (-1866) (-)

Ion 77.00 (76.70 to 77.70): VU036693.D (-1866) (-)

7.60

2000

1500

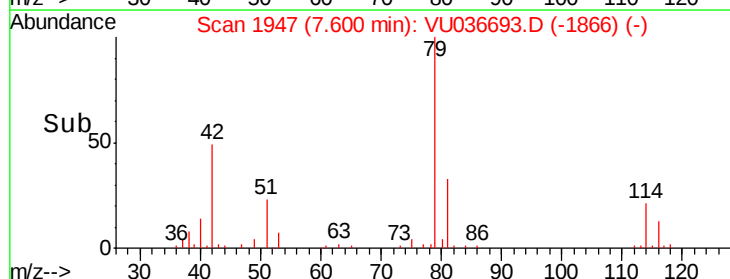
1000

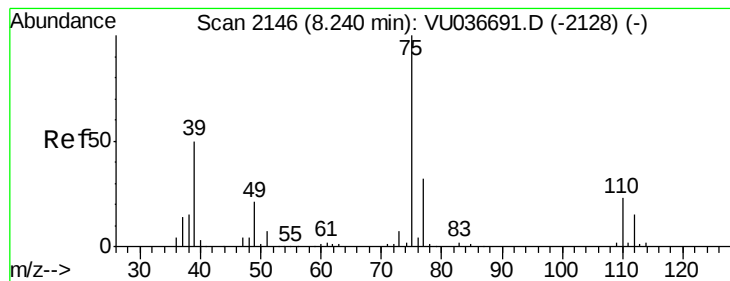
500

0

7.55 7.60 7.65

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.781 ug/L

RT: 8.21 min Scan# 2137

Delta R.T. -0.03 min

Lab File: VU036693.D

Acq: 07 Feb 2020 11:11

Instrument :

MSVOA_U

ClientSampleId :

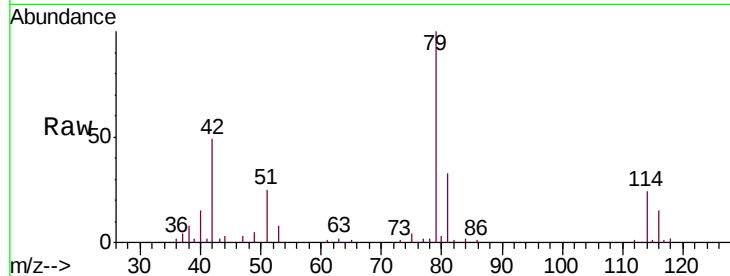
VBLK104

Tgt Ion: 75 Resp: 2120

Ion Ratio Lower Upper

75 100

77 60.3 22.6 42.0#



Abundance Ion 75.00 (74.70 to 75.70): VU036693.D (-2128) (-)

Ion 77.00 (76.70 to 77.70): VU036693.D (-2128) (-)

8.21

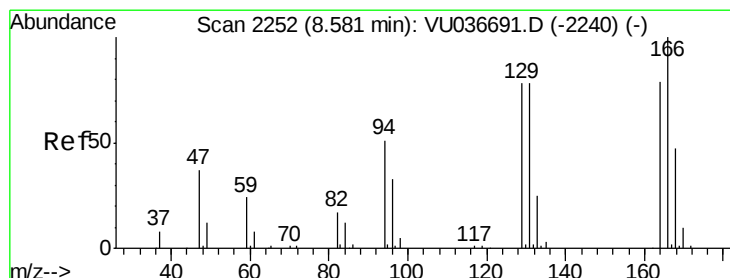
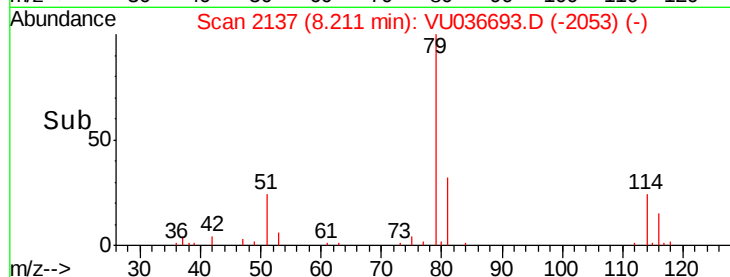
1000

500

0

8.20 8.25

Time-->



#46

Tetrachloroethene

Concen: 0.603 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036693.D

Acq: 07 Feb 2020 11:11

Tgt Ion: 164 Resp: 755

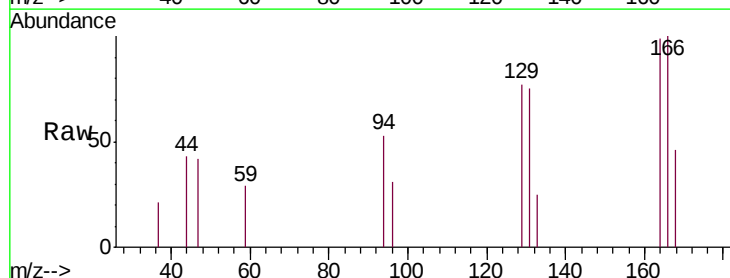
Ion Ratio Lower Upper

164 100

129 78.4 71.0 131.9

131 75.8 66.6 123.6

166 101.3 86.4 160.4



Abundance Ion 164.00 (163.70 to 164.70): VU036693.D (-2159) (-)

Ion 129.00 (128.70 to 129.70): VU036693.D (-2159) (-)

Ion 131.00 (130.70 to 131.70): VU036693.D (-2159) (-)

Ion 166.00 (165.70 to 166.70): VU036693.D (-2159) (-)

8.58

800

600

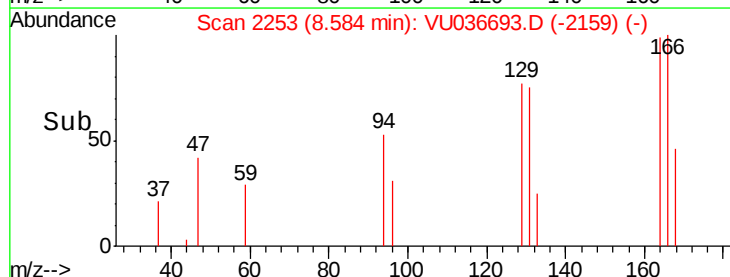
400

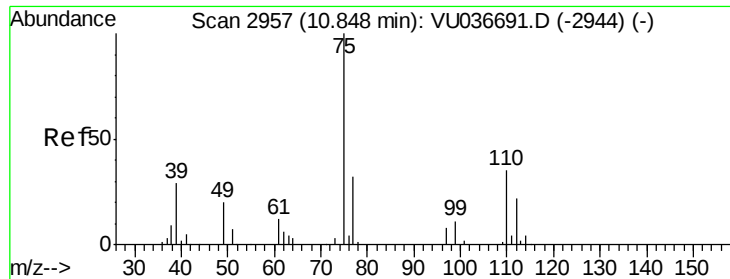
200

0

8.56 8.58 8.60

Time-->

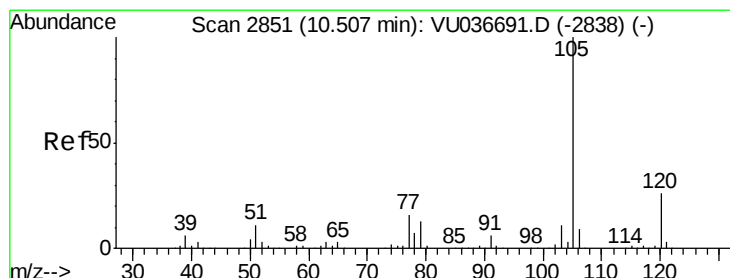
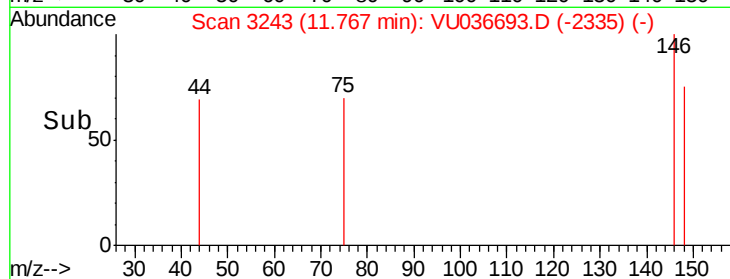
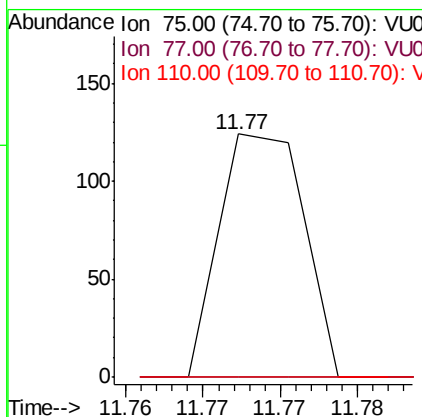
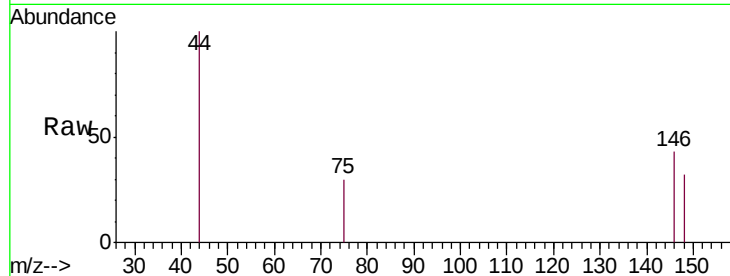




#60
 1,2,3-Trichloropropane
 Concen: 0.020 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.92 min
 Lab File: VU036693.D
 Acq: 07 Feb 2020 11:11

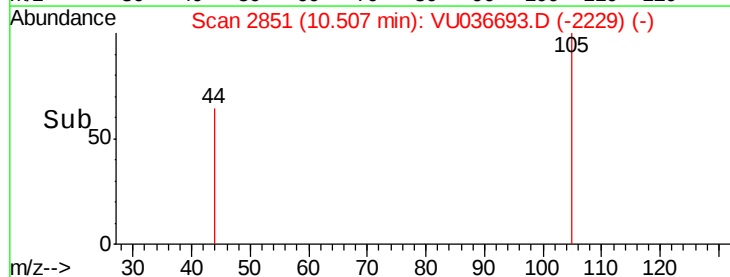
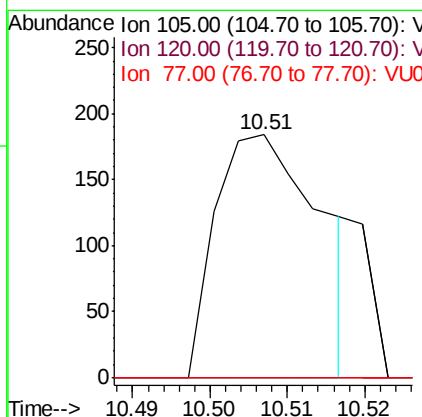
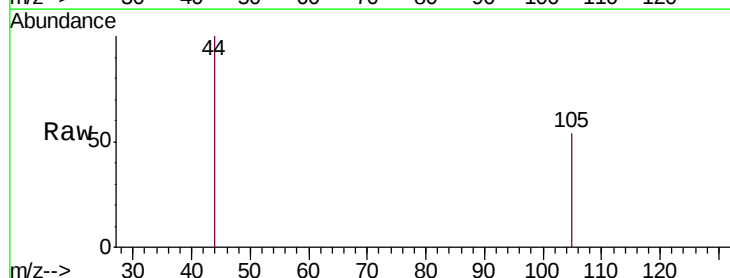
Instrument :
 MSVOA_U
 ClientSampled :
 VBLK104

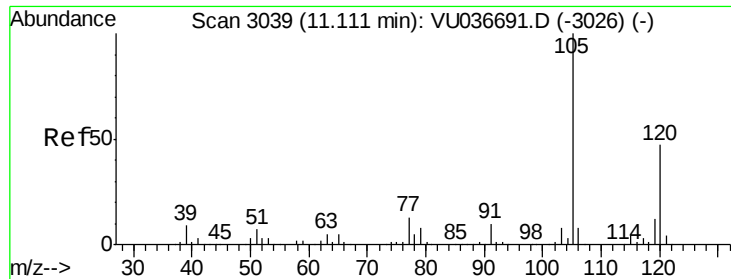
Tgt Ion: 75 Resp: 47
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 110 0.0 26.9 40.3#



#61
 Isopropylbenzene
 Concen: 0.023 ug/L
 RT: 10.51 min Scan# 2851
 Delta R.T. -0.00 min
 Lab File: VU036693.D
 Acq: 07 Feb 2020 11:11

Tgt Ion: 105 Resp: 172
 Ion Ratio Lower Upper
 105 100
 120 0.0 20.2 30.4#
 77 0.0 13.0 19.6#

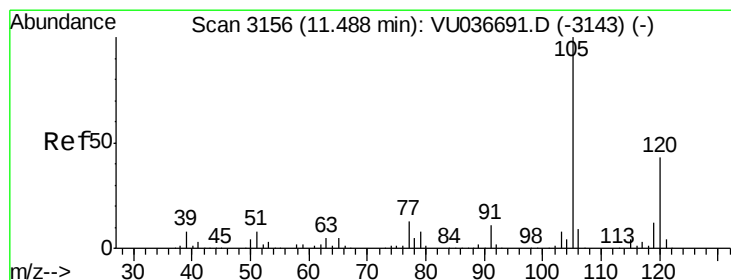
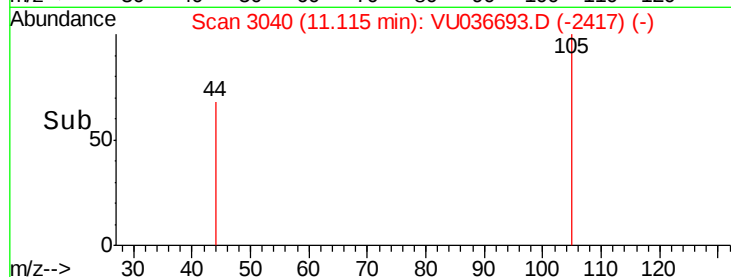
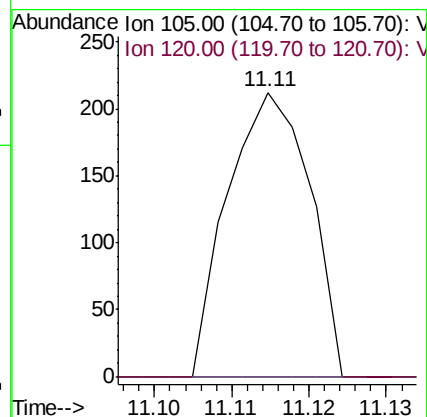
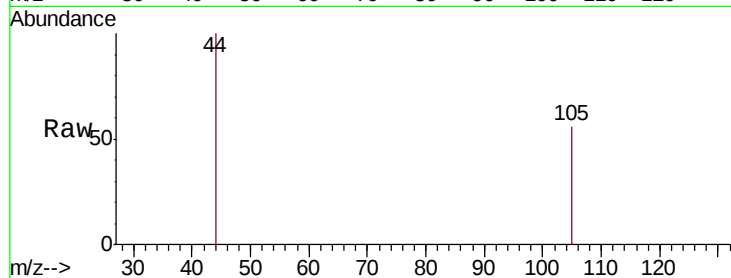




#62
 1,3,5-Trimethylbenzene
 Concen: 0.024 ug/L
 RT: 11.11 min Scan# 3040
 Delta R.T. 0.00 min
 Lab File: VU036693.D
 Acq: 07 Feb 2020 11:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK104

Tgt Ion:105 Resp: 157
 Ion Ratio Lower Upper
 105 100
 120 0.0 37.1 55.7#



#63
 1,2,4-Trimethylbenzene
 Concen: 0.052 ug/L
 RT: 11.49 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU036693.D
 Acq: 07 Feb 2020 11:11

Tgt Ion:105 Resp: 334
 Ion Ratio Lower Upper
 105 100
 120 0.0 34.7 52.1#

