

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101420\
 Data File : VU040705.D
 Acq On : 14 Oct 2020 17:43
 Operator : SY/MD
 Sample : L4401-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG193

Quant Time: Oct 15 05:32:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 15 05:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	110267	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	114872	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50054	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	47164	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.92	69	40722	5.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.60%
11) 1,1-Dichloroethene-d2	2.58	63	72792	4.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.60%
20) 2-Butanone-d5	4.65	46	168971	57.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.58%
24) Chloroform-d	5.08	84	93694	5.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.80%
26) 1,2-Dichloroethane-d4	5.72	65	57162	5.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.00%
32) Benzene-d6	5.74	84	170862	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
36) 1,2-Dichloropropane-d6	6.70	67	58262	5.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.20%
41) Toluene-d8	7.91	98	138812	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	8.19	79	21938	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.64	63	117920	52.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.04%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	51838	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	57004	6.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	122.80%#

Target Compounds

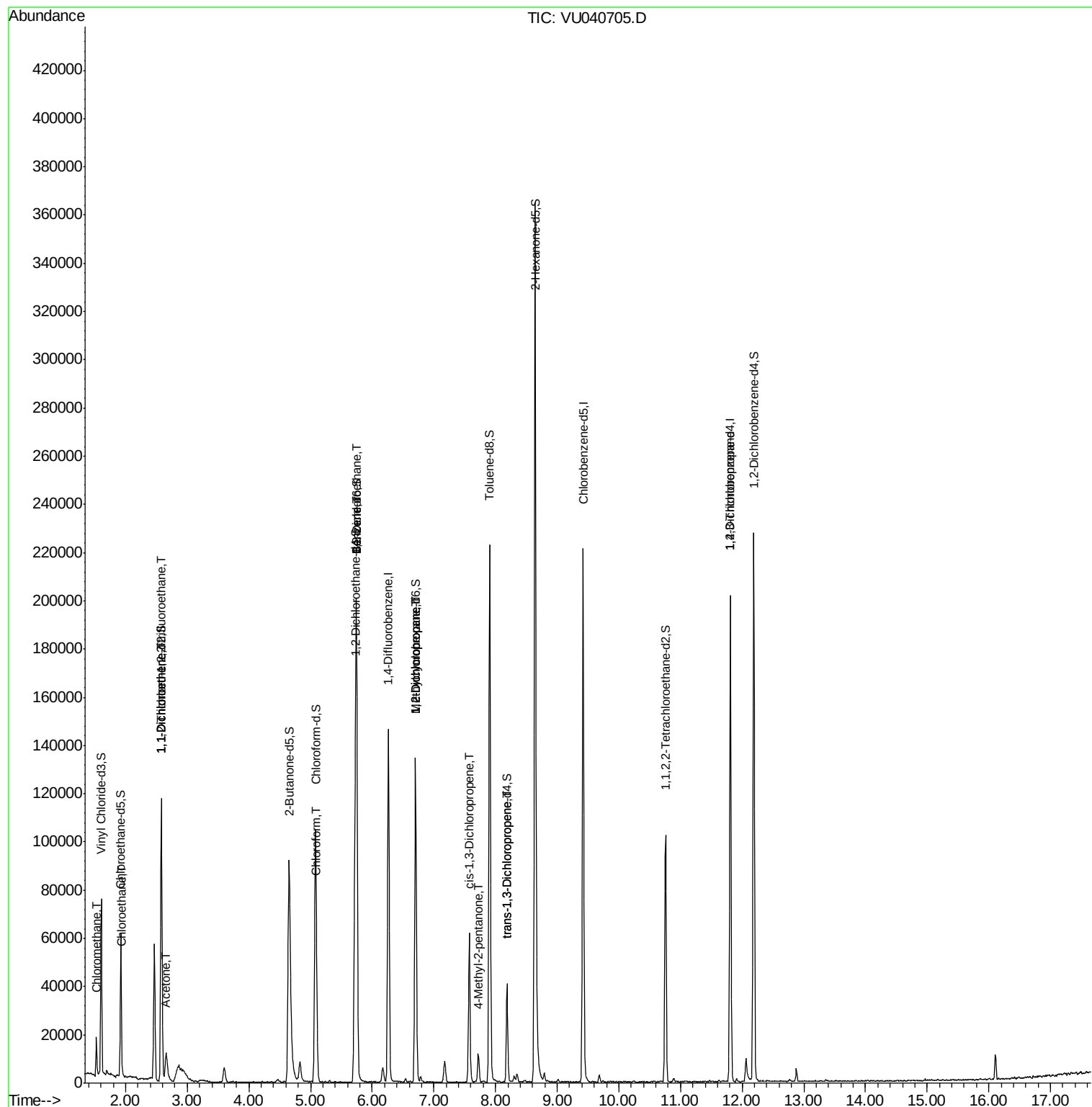
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	10395	1.113	ug/L	92
8) Chloroethane	1.94	64	1056	0.169	ug/L #	80
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	584	0.064	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	464	0.059	ug/L #	1
13) Acetone	2.66	43	22016	9.714	ug/L	95
25) Chloroform	5.11	83	1891	0.109	ug/L #	63
27) 1,2-Dichloroethane	5.74	62	1387	0.113	ug/L #	77
33) Benzene	5.74	78	1352	0.037	ug/L	100
35) Methylcyclohexane	6.70	83	13782	1.016	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6909	0.672	ug/L #	87
39) cis-1,3-Dichloropropene	7.58	75	1526	0.109	ug/L #	69
40) 4-Methyl-2-pentanone	7.72	43	5749	0.701	ug/L #	48
44) trans-1,3-Dichloropropene	8.18	75	591	0.046	ug/L #	68
59) 1,2,3-Trichloropropane	11.81	75	6764	0.896	ug/L	91

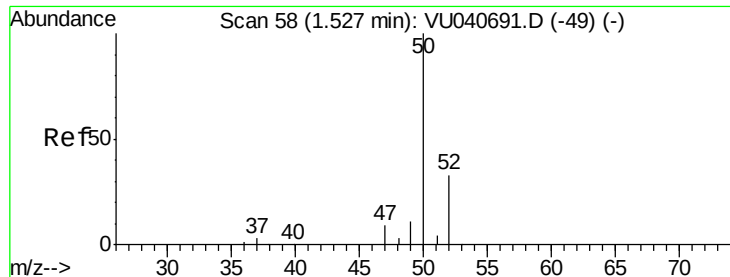
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.113 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040705.D

Acq: 14 Oct 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

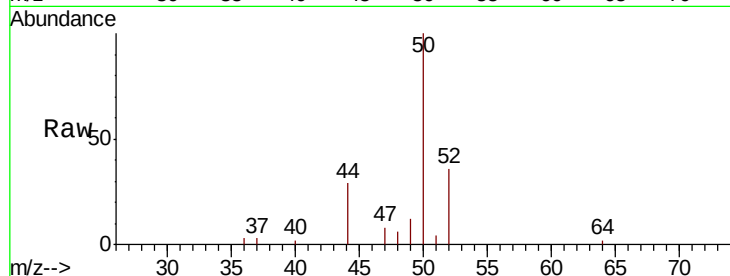
BG193

Tot Ion: 50 Resp: 10395

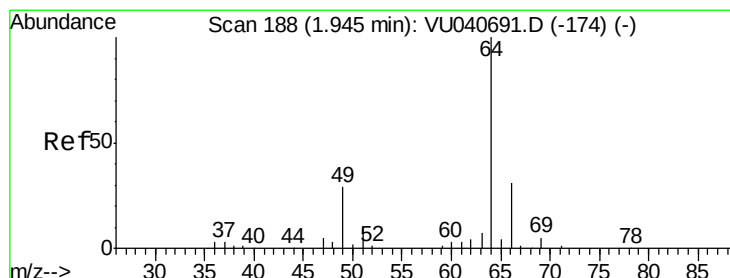
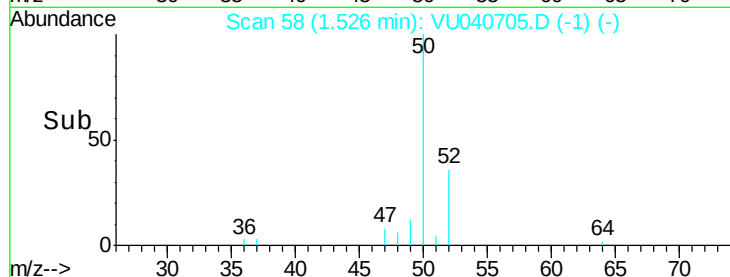
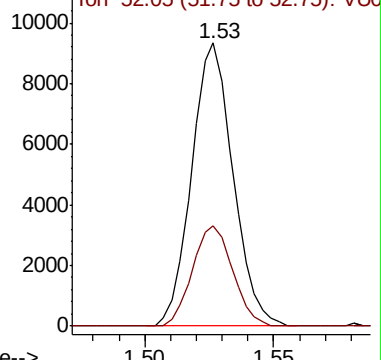
Ion Ratio Lower Upper

50 100

52 35.6 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040705.D (-1) (-)



#8

Chloroethane

Concen: 0.169 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040705.D

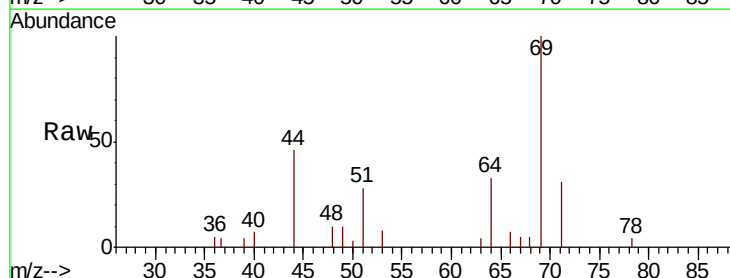
Acq: 14 Oct 2020 17:43

Tgt Ion: 64 Resp: 1056

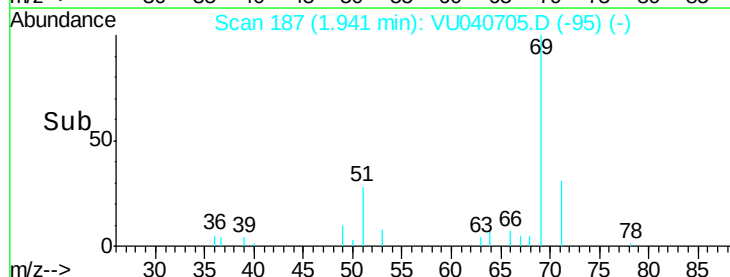
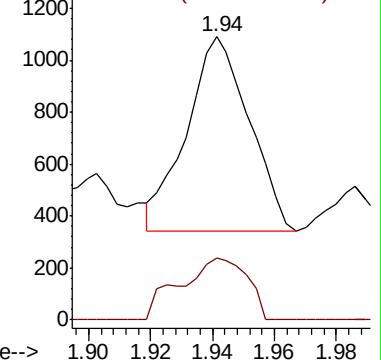
Ion Ratio Lower Upper

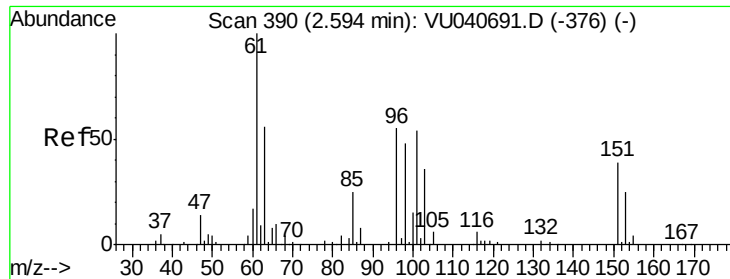
64 100

66 21.8 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU040705.D (-95) (-)





#10

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

Concen: 0.064 ug/L

RT: 2.57 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU040705.D

Acq: 14 Oct 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

BG193

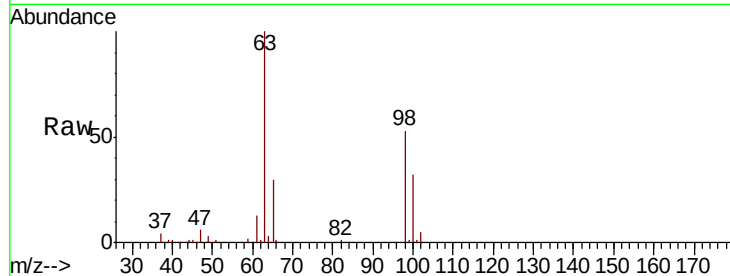
Tot Ion:101 Resp: 584

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

2.57

300

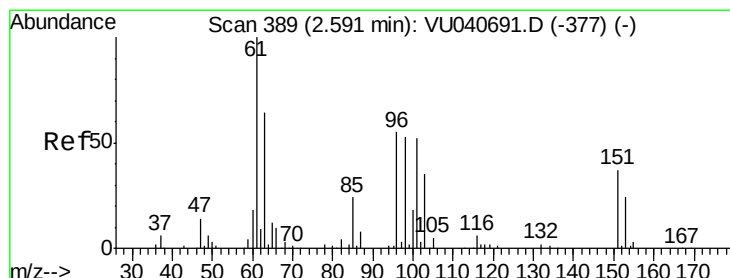
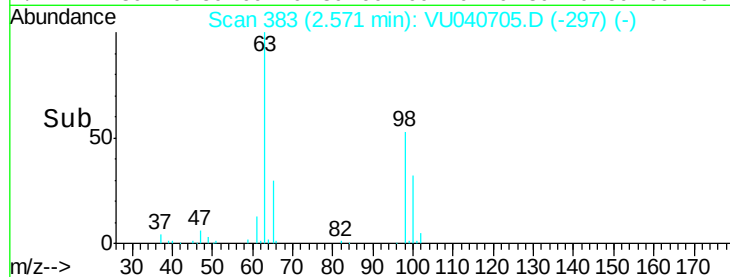
200

100

0

2.54 2.56 2.58 2.60 2.62

Time-->



#12

1,1-Dichloroethene

Concen: 0.059 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040705.D

Acq: 14 Oct 2020 17:43

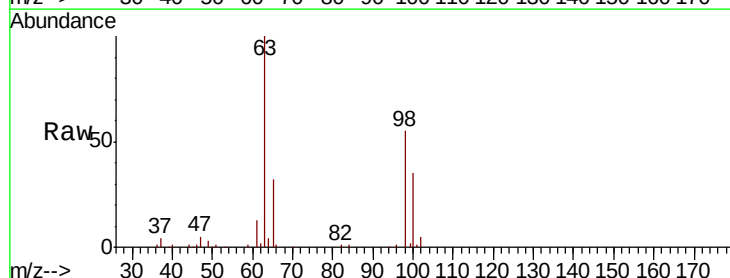
Tgt Ion: 96 Resp: 464

Ion Ratio Lower Upper

96 100

61 1372.1 128.8 239.2#

63 10579.6 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

60000

50000

40000

30000

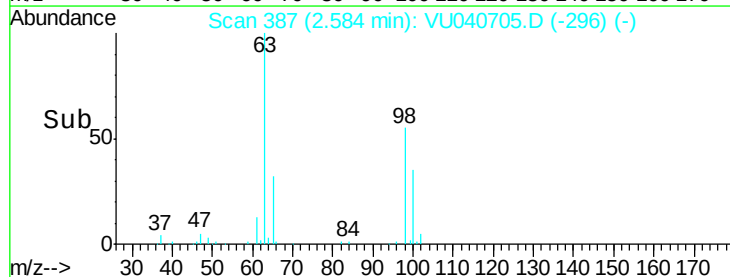
20000

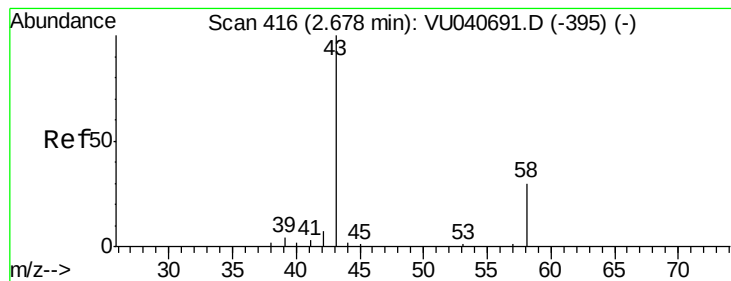
10000

0

2.54 2.56 2.58 2.60

Time-->





#13

Acetone

Concen: 9.714 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.02 min

Lab File: VU040705.D

Acq: 14 Oct 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

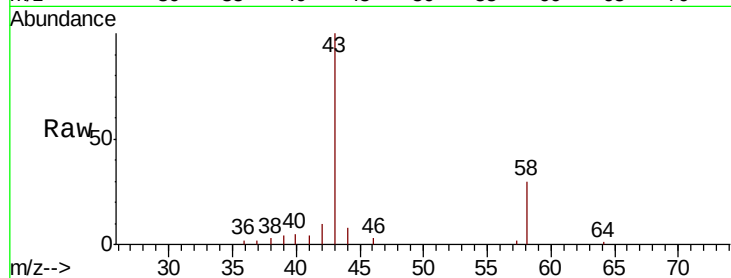
BG193

Tot Ion: 43 Resp: 22016

Ion Ratio Lower Upper

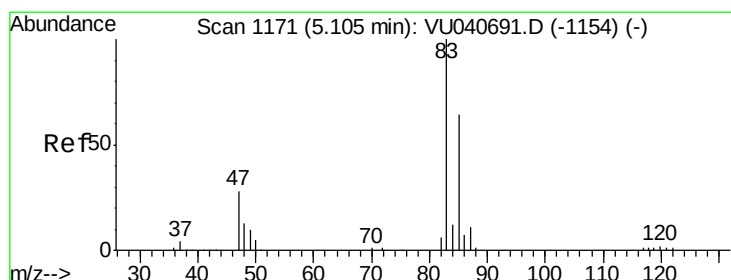
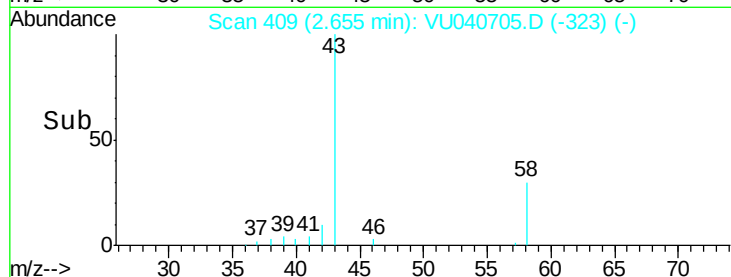
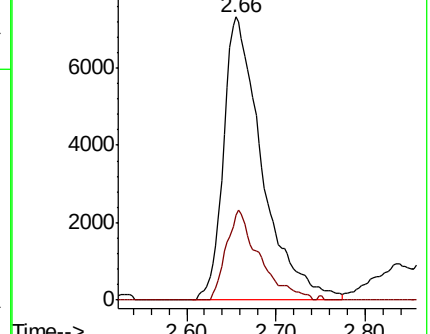
43 100

58 27.4 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040691.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU040691.D (-395) (-)



#25

Chloroform

Concen: 0.109 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU040705.D

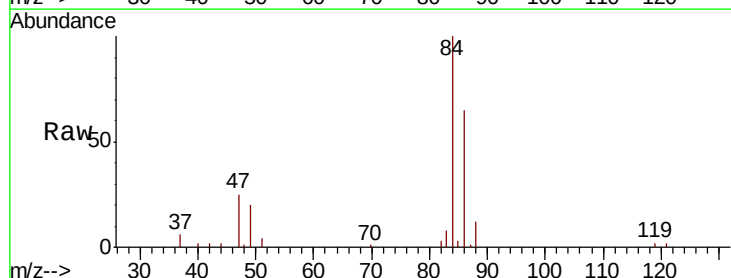
Acq: 14 Oct 2020 17:43

Tgt Ion: 83 Resp: 1891

Ion Ratio Lower Upper

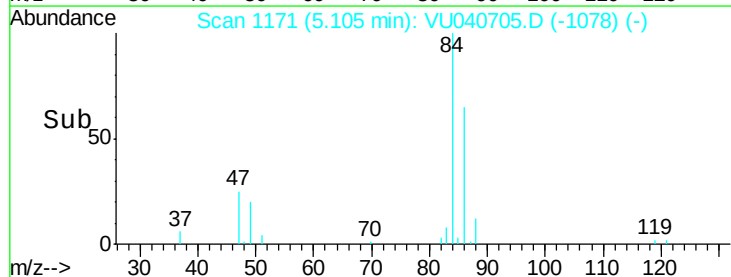
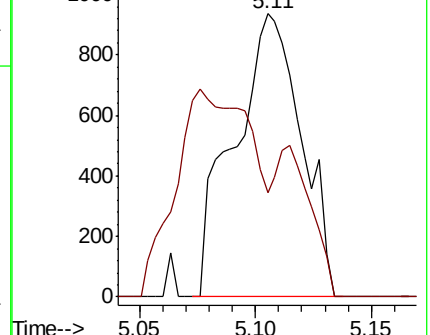
83 100

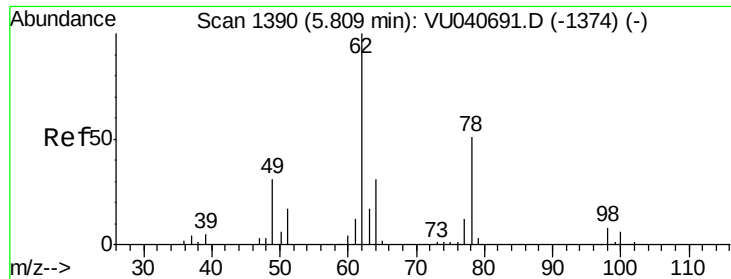
85 36.8 46.5 86.5#



Abundance Ion 83.05 (82.75 to 83.75): VU040691.D (-1154) (-)

Ion 85.00 (84.70 to 85.70): VU040691.D (-1154) (-)

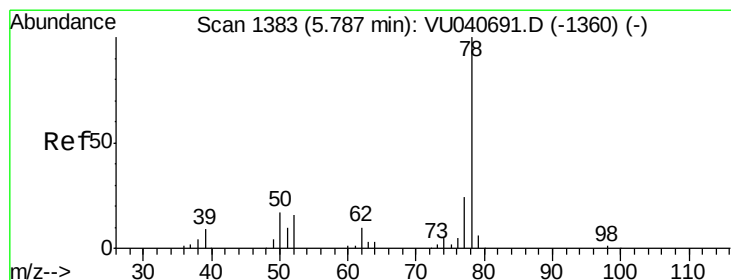
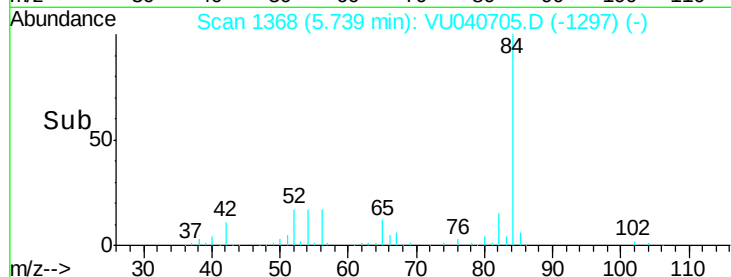
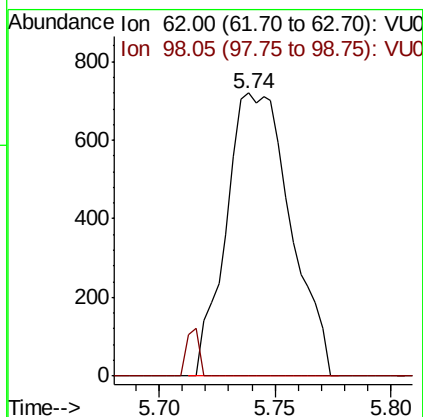
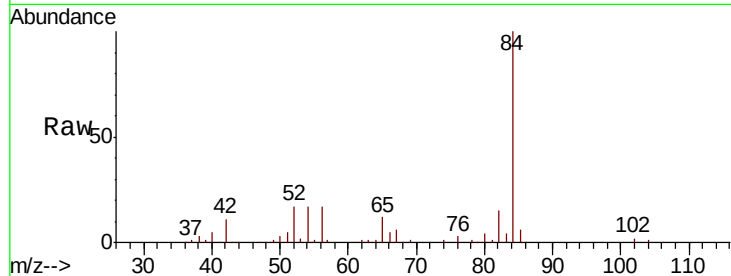




#27
 1,2-Dichloroethane
 Concen: 0.113 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU040705.D
 Acq: 14 Oct 2020 17:43

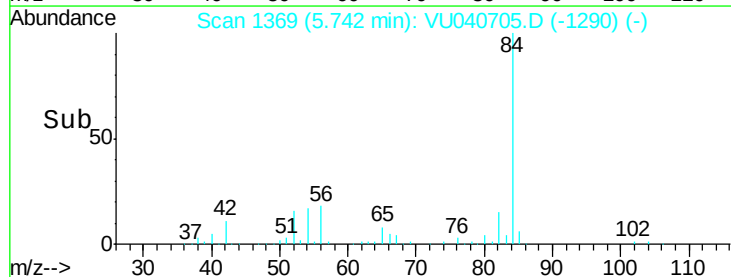
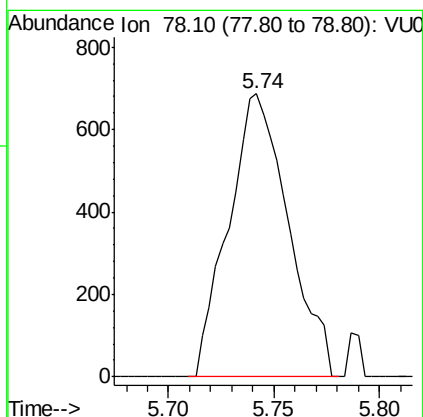
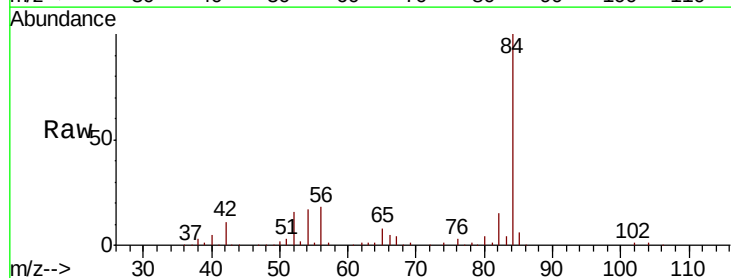
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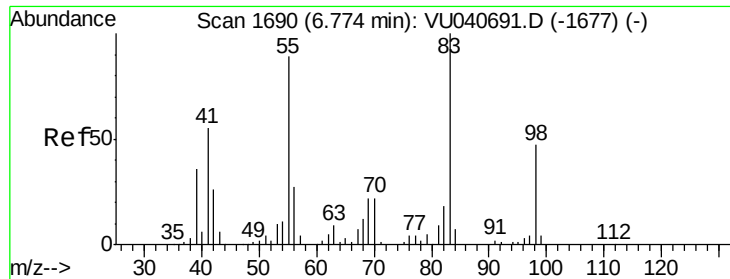
Tot Ion: 62 Resp: 1387
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#33
 Benzene
 Concen: 0.037 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.05 min
 Lab File: VU040705.D
 Acq: 14 Oct 2020 17:43

Tgt Ion: 78 Resp: 1352

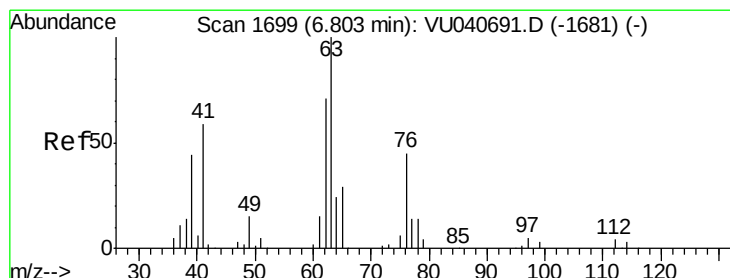
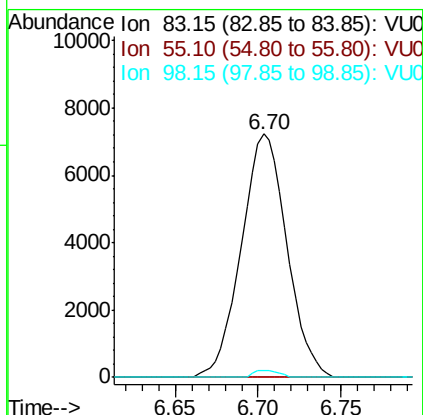
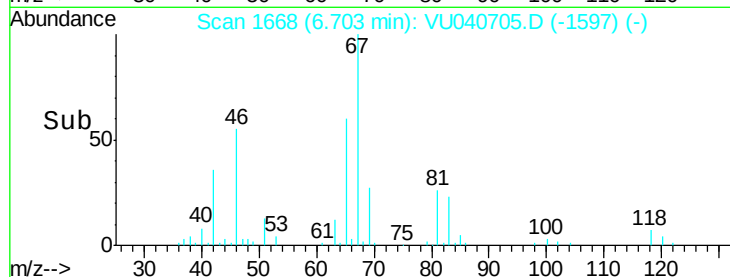
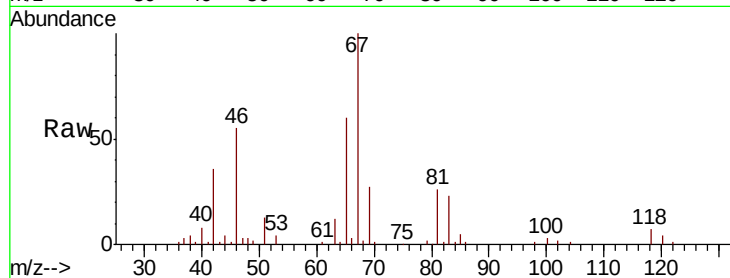




#35
Methylvlcyclohexane
Concen: 1.016 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040705.D
Acq: 14 Oct 2020 17:43

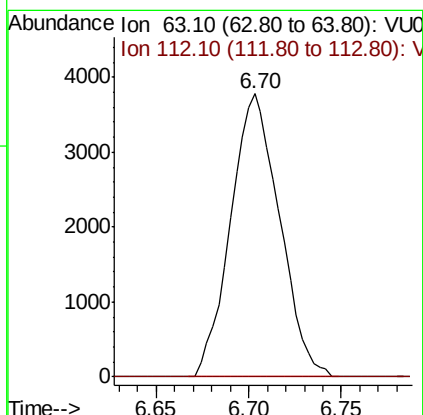
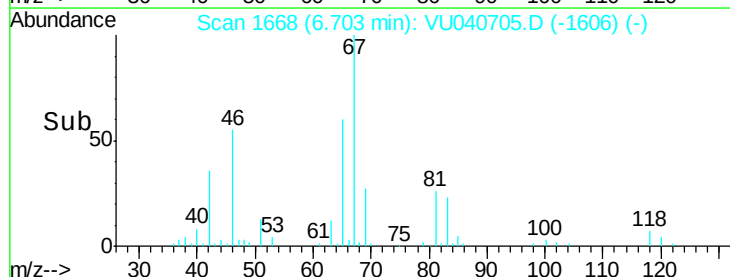
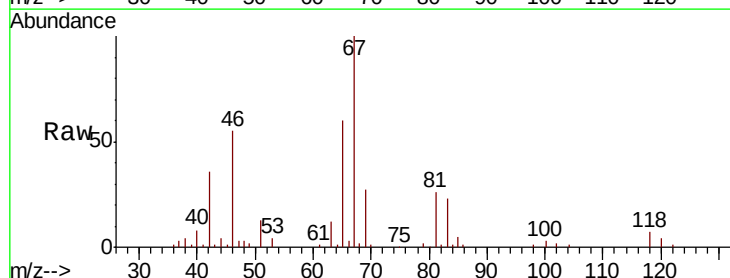
Instrument :
MSVOA_U
ClientSampleId :
BG193

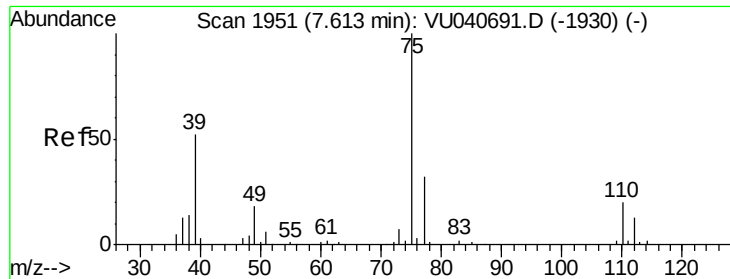
Tot Ion: 83 Resp: 13782
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 1.6 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.672 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040705.D
Acq: 14 Oct 2020 17:43

Tgt Ion: 63 Resp: 6909
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

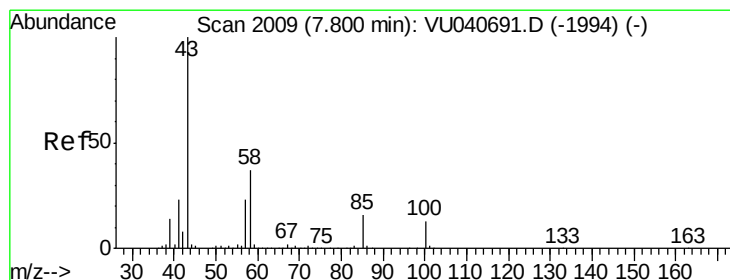
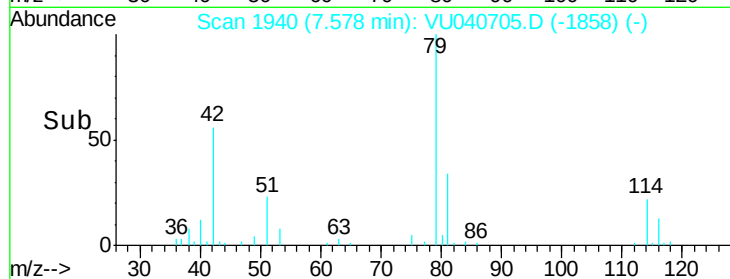
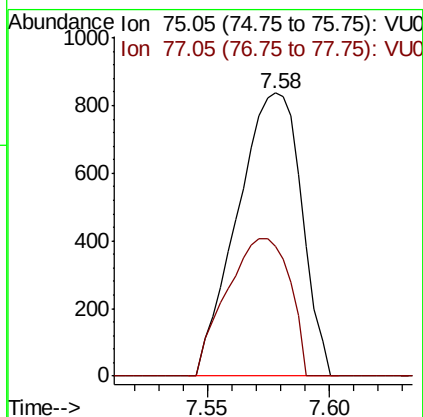
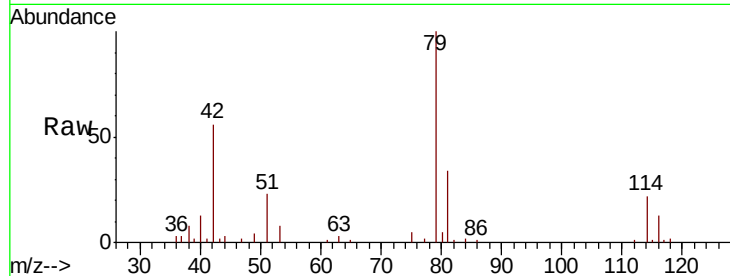




#39
 cis-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040705.D
 Acq: 14 Oct 2020 17:43

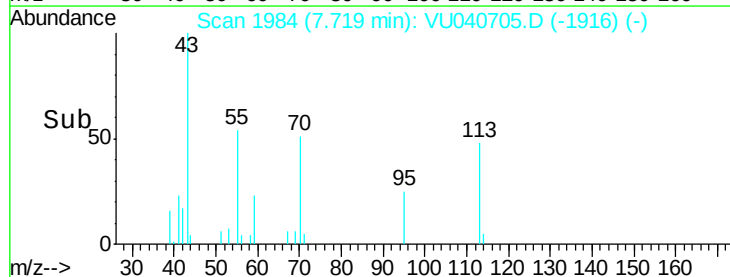
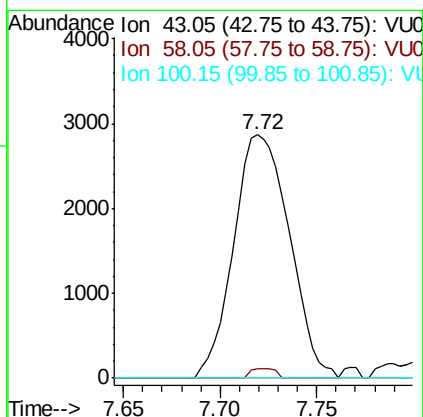
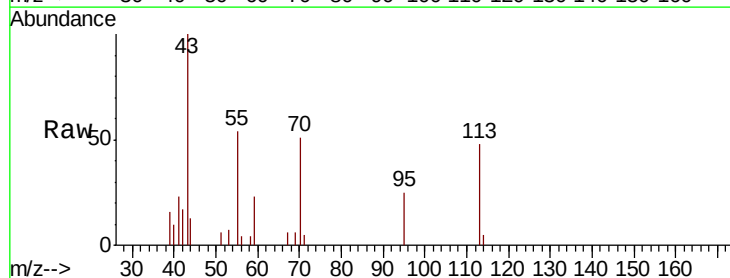
Instrument :
 MSVOA_U
 ClientSampleId :
 BG193

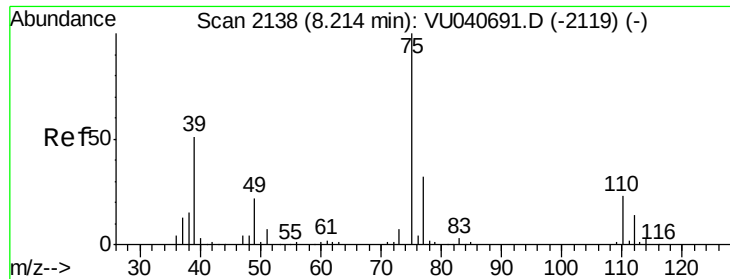
Tot Ion: 75 Resp: 1526
 Ion Ratio Lower Upper
 75 100
 77 45.9 20.5 38.1#



#40
 4-Methyl-2-pentanone
 Concen: 0.701 ug/L
 RT: 7.72 min Scan# 1984
 Delta R.T. -0.08 min
 Lab File: VU040705.D
 Acq: 14 Oct 2020 17:43

Tgt Ion: 43 Resp: 5749
 Ion Ratio Lower Upper
 43 100
 58 1.8 29.7 44.5#
 100 0.0 10.7 16.1#





#44

trans-1,3-Dichloropropene

Concen: 0.046 ug/L

RT: 8.18 min Scan# 2127

Delta R.T. -0.04 min

Lab File: VU040705.D

Acq: 14 Oct 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

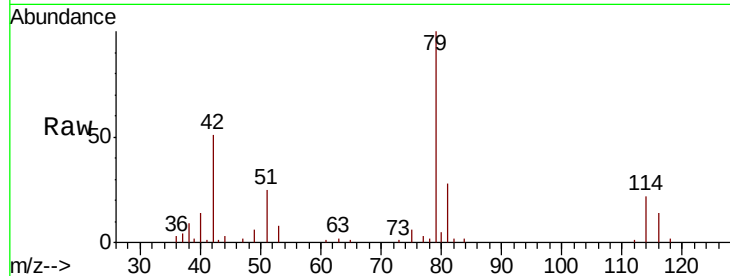
BG193

Tot Ion: 75 Resp: 591

Ion Ratio Lower Upper

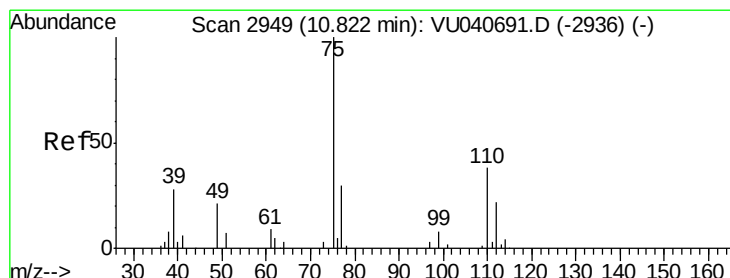
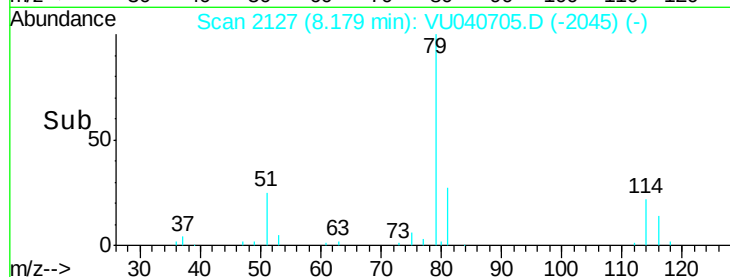
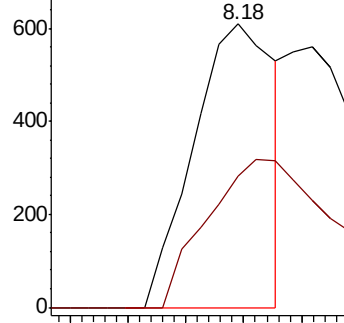
75 100

77 46.4 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane

Concen: 0.896 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040705.D

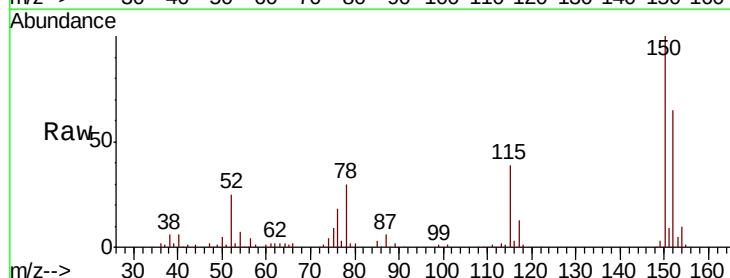
Acq: 14 Oct 2020 17:43

Tgt Ion: 75 Resp: 6764

Ion Ratio Lower Upper

75 100

77 38.1 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

