

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101520\
 Data File : VU040720.D
 Acq On : 15 Oct 2020 15:08
 Operator : SY/MD
 Sample : L4419-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AG8

Quant Time: Oct 16 04:32:35 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	112463	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	120072	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51406	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	43065	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	1.92	69	38274	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.58	63	63596	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	4.66	46	167827	56.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.56%
24) Chloroform-d	5.08	84	88031	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
26) 1,2-Dichloroethane-d4	5.72	65	53718	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.75	84	161509	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.70	67	54328	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.91	98	128779	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	8.19	79	20788	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.64	63	116015	49.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.86%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49674	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	52549	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%

Target Compounds

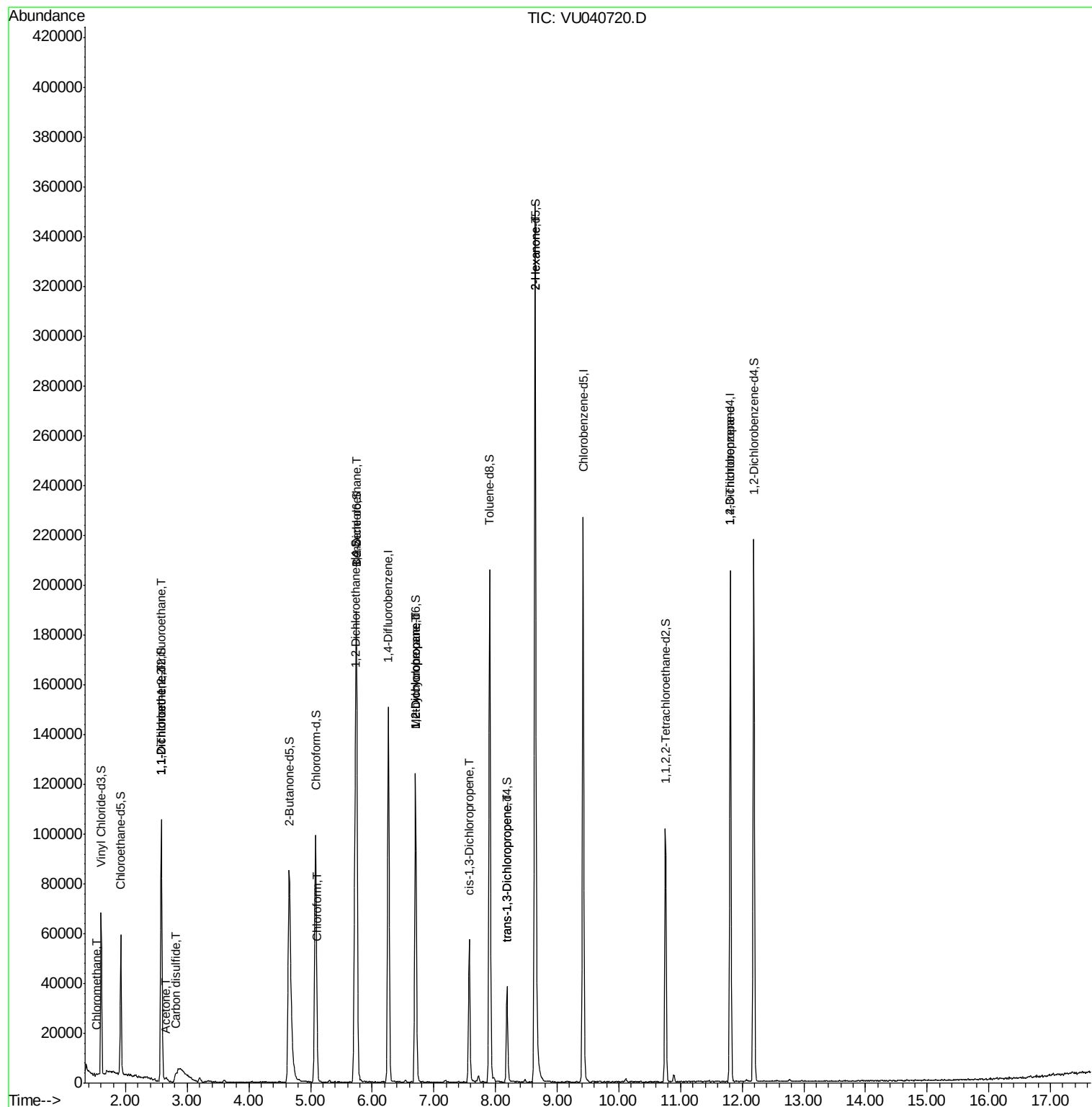
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	507	0.053	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	431	0.046	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	546	0.068	ug/L #	1
13) Acetone	2.66	43	2322	1.005	ug/L	83
14) Carbon disulfide	2.81	76	2151	0.096	ug/L	99
25) Chloroform	5.11	83	1131	0.064	ug/L	94
27) 1,2-Dichloroethane	5.74	62	1078	0.086	ug/L #	77
35) Methylcyclohexane	6.70	83	12767	0.900	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6319	0.588	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1394	0.095	ug/L #	69
44) trans-1,3-Dichloropropene	8.19	75	980	0.072	ug/L #	67
48) 2-Hexanone	8.64	43	16147	2.531	ug/L #	76
59) 1,2,3-Trichloropropane	11.81	75	6927	0.877	ug/L	89

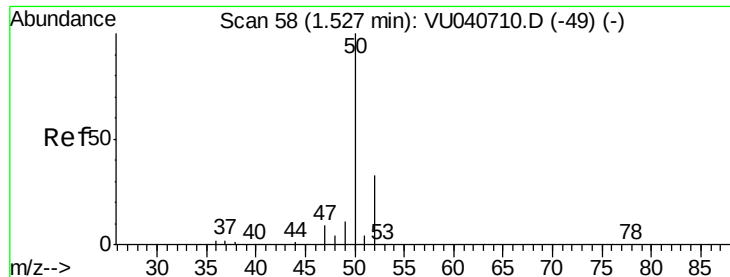
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.053 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040720.D

Acq: 15 Oct 2020 15:08

Instrument :

MSVOA_U

ClientSampleId :

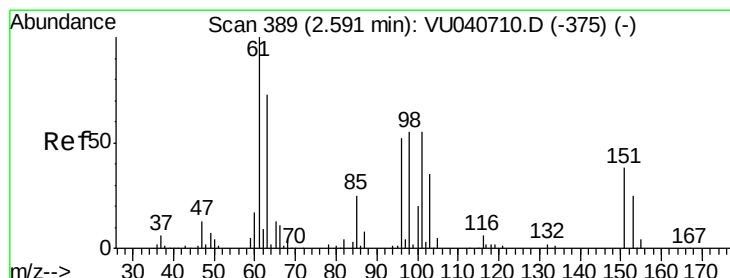
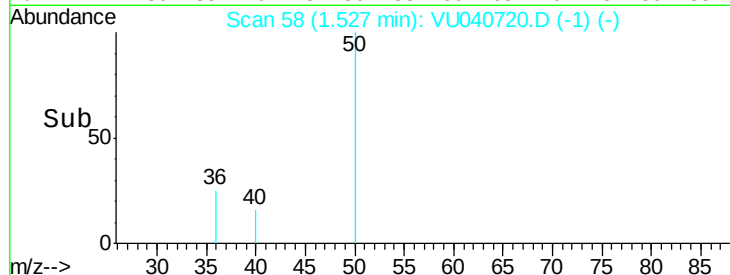
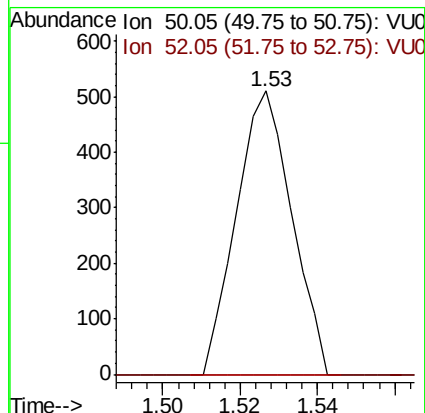
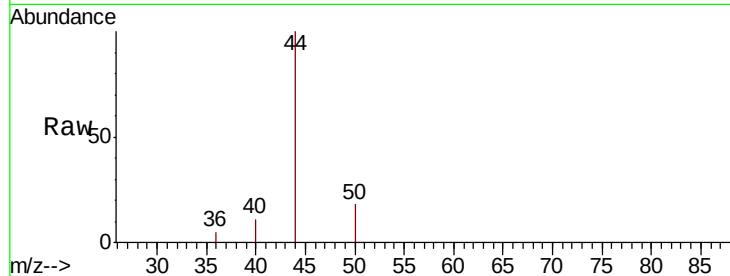
C0AG8

Tot Ion: 50 Resp: 507

Ion Ratio Lower Upper

50 100

52 0.0 21.9 40.7#



#10

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

Concen: 0.046 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU040720.D

Acq: 15 Oct 2020 15:08

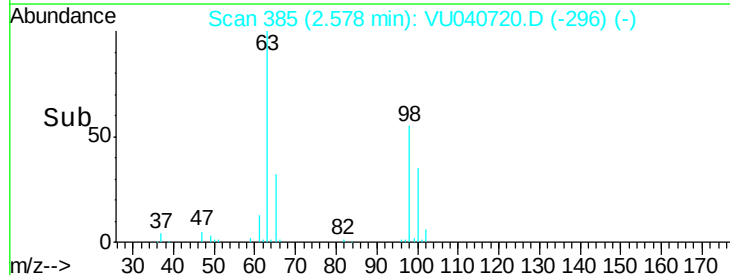
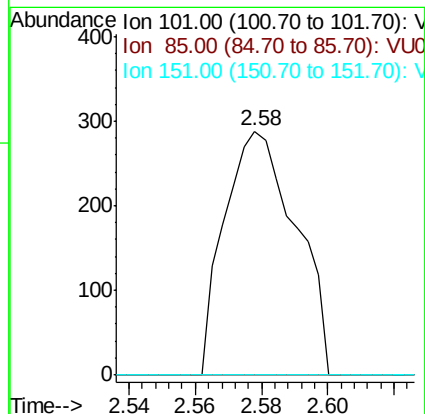
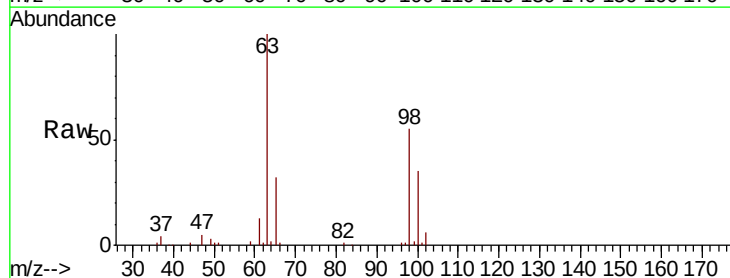
Tgt Ion: 101 Resp: 431

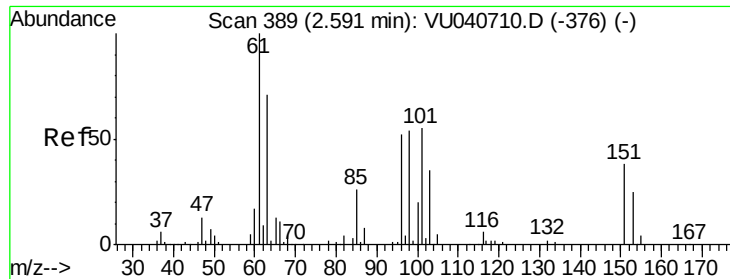
Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#

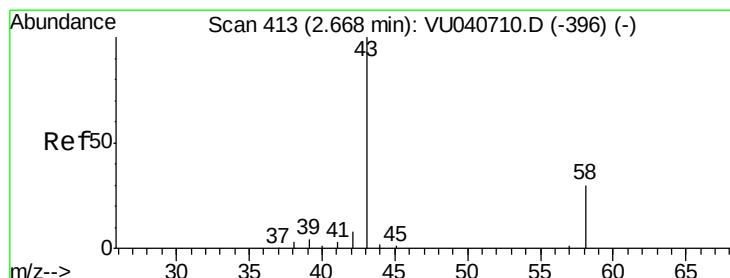
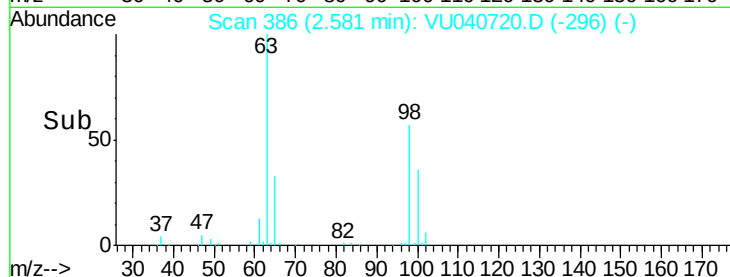
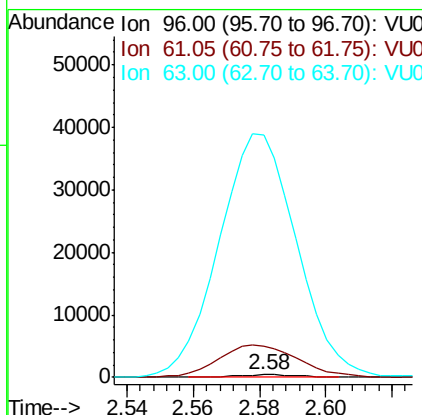
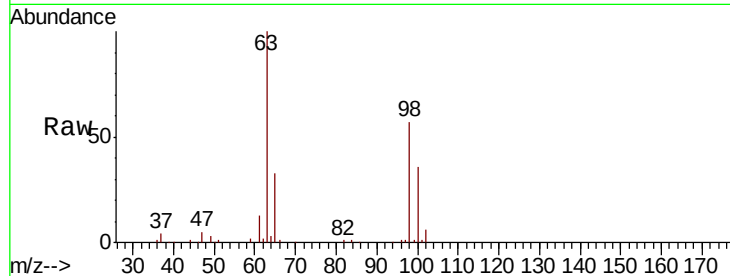




#12
 1,1-Dichloroethene
 Concen: 0.068 ug/L
 RT: 2.58 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VU040720.D
 Acq: 15 Oct 2020 15:08

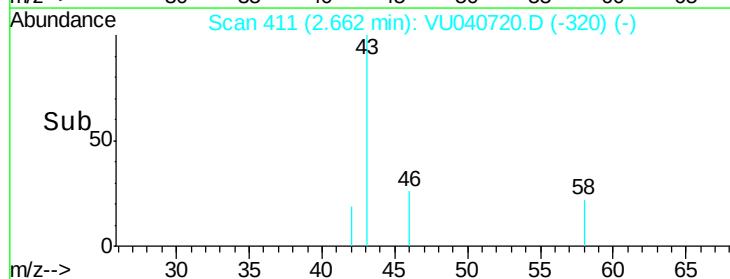
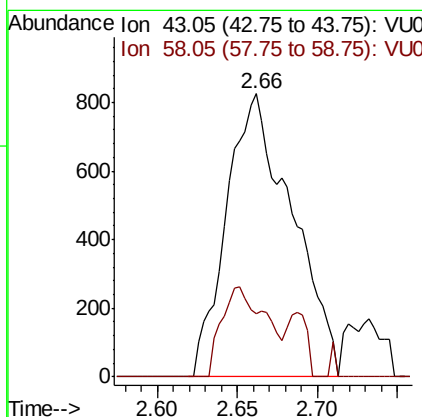
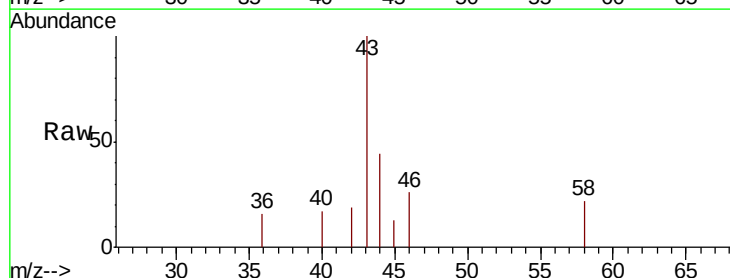
Instrument :
 MSVOA_U
 ClientSampled :
 C0AG8

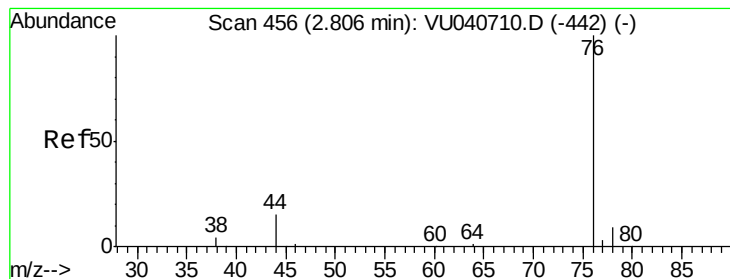
Tot Ion: 96 Resp: 546
 Ion Ratio Lower Upper
 96 100
 61 1126.4 128.8 239.2#
 63 8664.0 84.6 157.2#



#13
 Acetone
 Concen: 1.005 ug/L
 RT: 2.66 min Scan# 411
 Delta R.T. -0.01 min
 Lab File: VU040720.D
 Acq: 15 Oct 2020 15:08

Tgt Ion: 43 Resp: 2322
 Ion Ratio Lower Upper
 43 100
 58 21.3 0.0 60.6





#14

Carbon disulfide

Concen: 0.096 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040720.D

Acq: 15 Oct 2020 15:08

Instrument :

MSVOA_U

ClientSampleId :

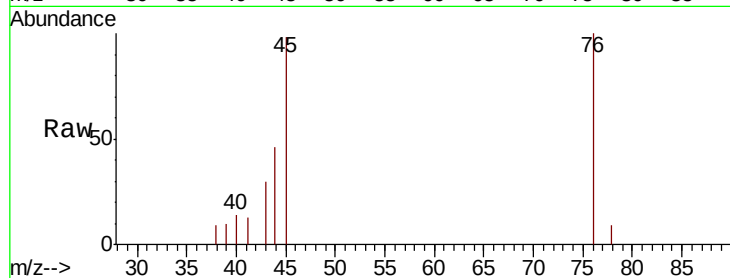
C0AG8

Tot Ion: 76 Resp: 2151

Ion Ratio Lower Upper

76 100

78 8.8 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040710.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040710.D (-442) (-)

2.81

1500

1000

500

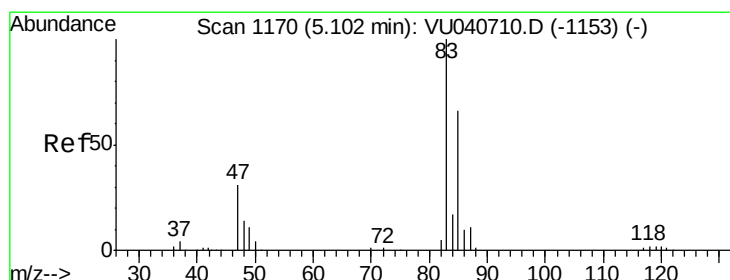
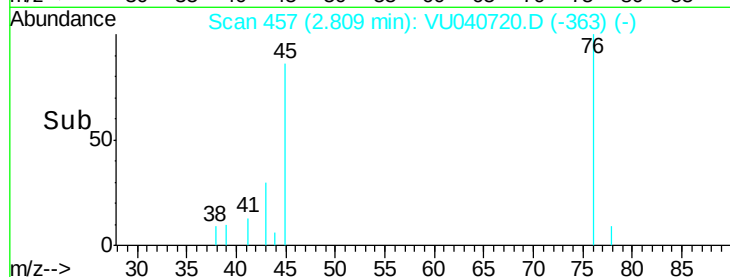
0

Time-->

2.75

2.80

2.85



#25

Chloroform

Concen: 0.064 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VU040720.D

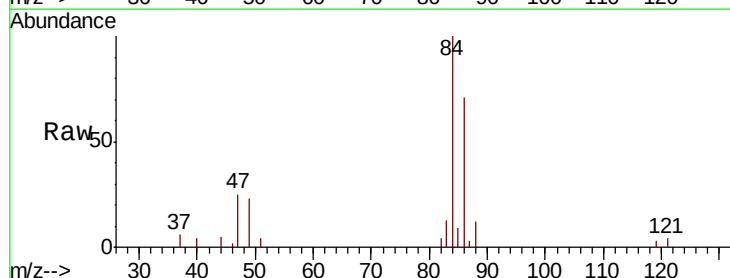
Acq: 15 Oct 2020 15:08

Tgt Ion: 83 Resp: 1131

Ion Ratio Lower Upper

83 100

85 71.0 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040710.D (-1153) (-)

Ion 85.00 (84.70 to 85.70): VU040710.D (-1153) (-)

5.11

800

600

400

200

0

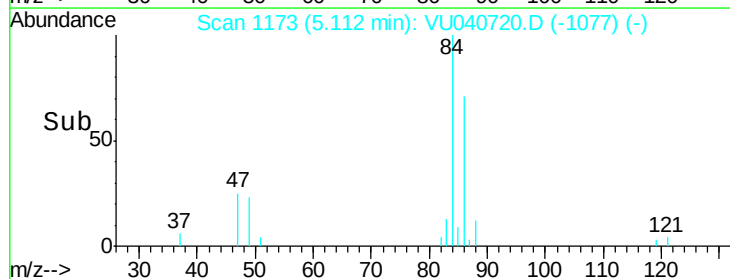
Time-->

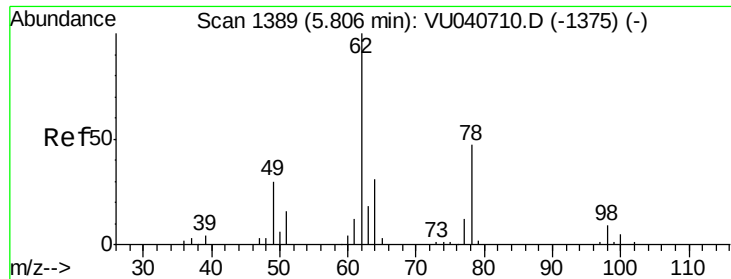
5.08

5.10

5.12

5.14

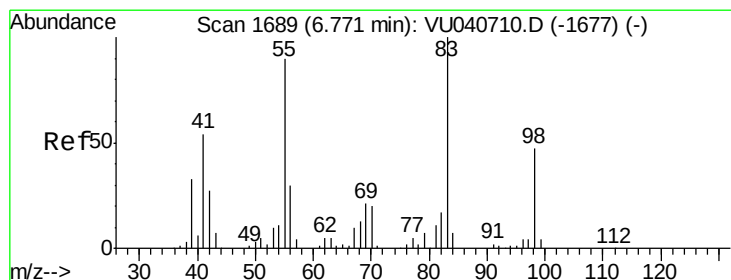
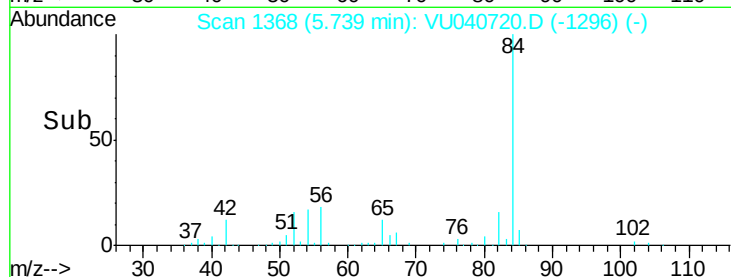
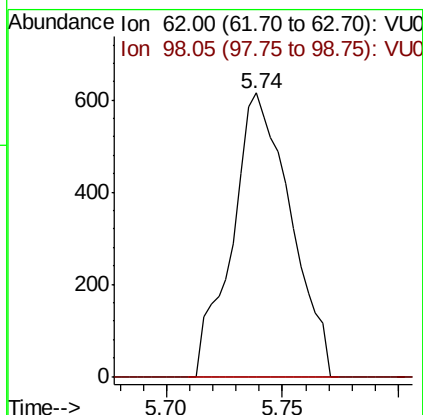
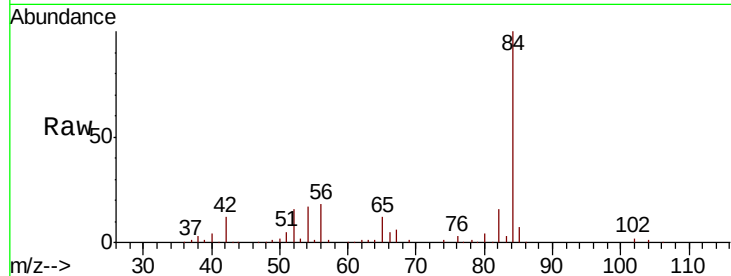




#27
 1,2-Dichloroethane
 Concen: 0.086 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU040720.D
 Acq: 15 Oct 2020 15:08

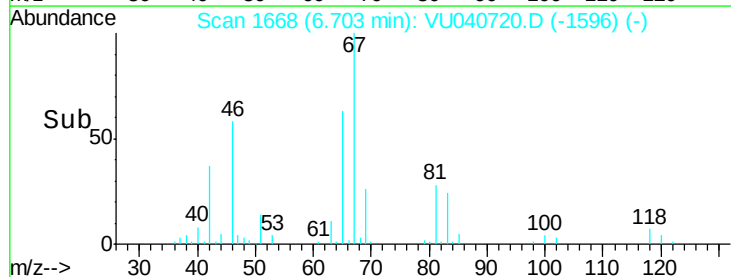
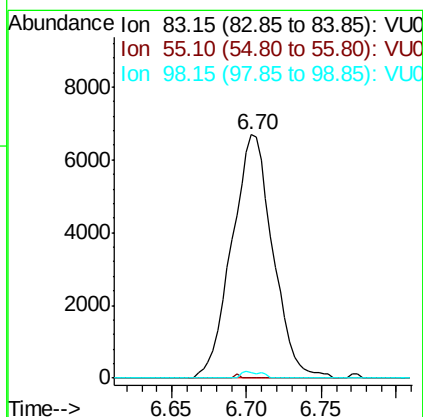
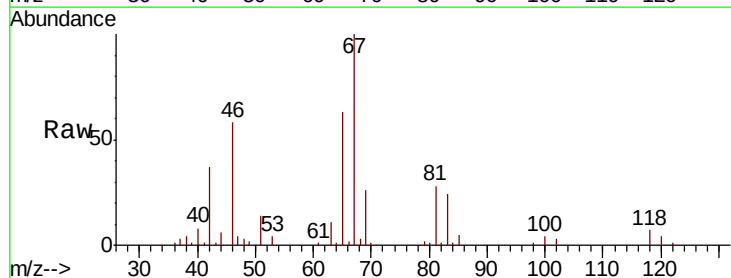
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AG8

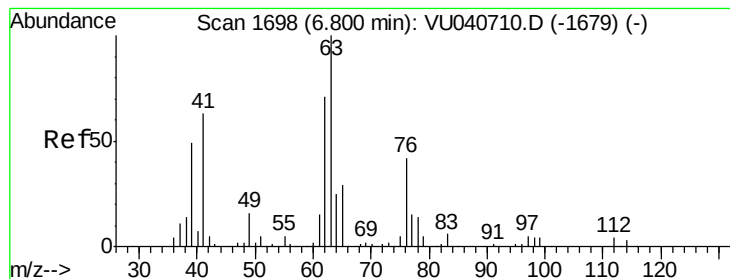
Tot Ion: 62 Resp: 1078
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#35
 Methylcyclohexane
 Concen: 0.900 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040720.D
 Acq: 15 Oct 2020 15:08

Tgt Ion: 83 Resp: 12767
 Ion Ratio Lower Upper
 83 100
 55 0.2 70.7 106.1#
 98 1.4 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 0.588 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU040720.D

Acq: 15 Oct 2020 15:08

Instrument :

MSVOA_U

ClientSampleId :

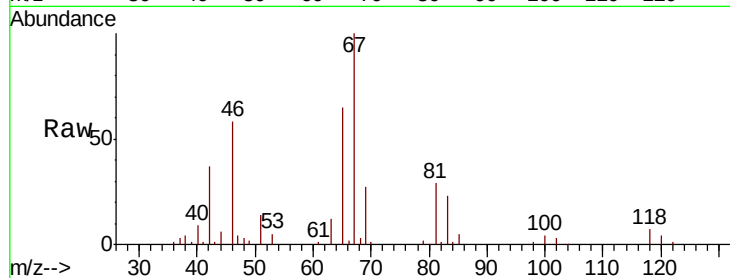
C0AG8

Tot Ion: 63 Resp: 6319

Ion Ratio Lower Upper

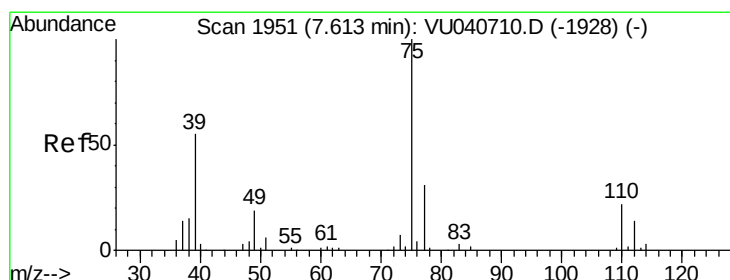
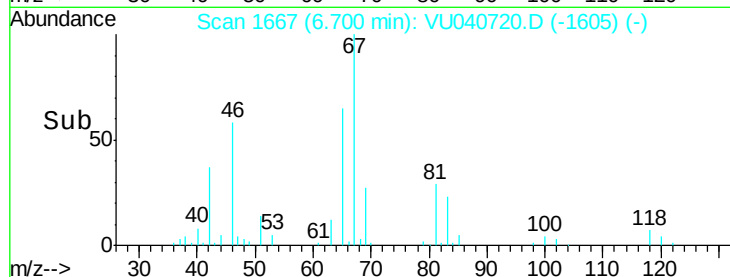
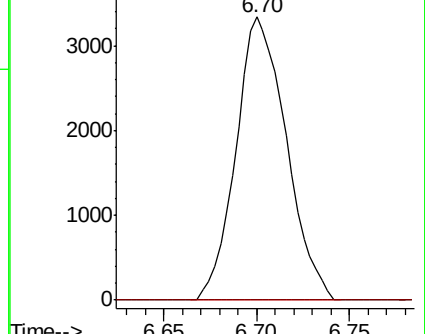
63 100

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: 0.095 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040720.D

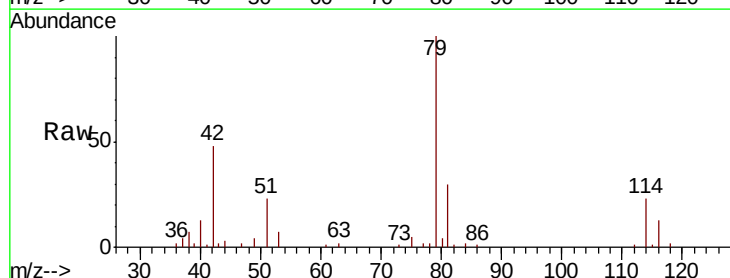
Acq: 15 Oct 2020 15:08

Tgt Ion: 75 Resp: 1394

Ion Ratio Lower Upper

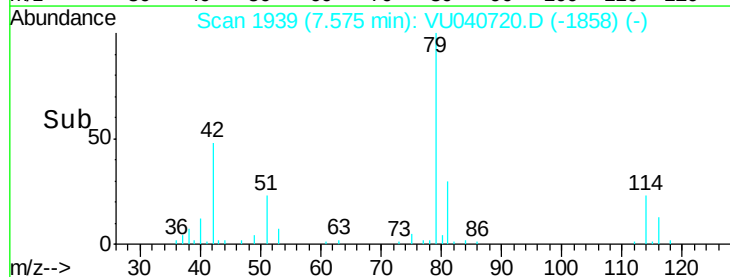
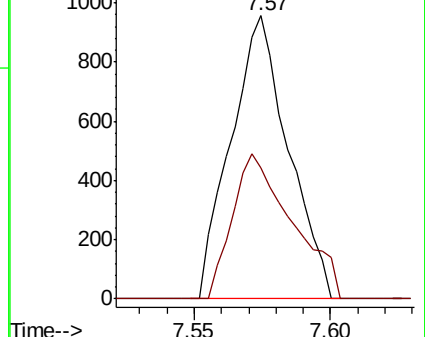
75 100

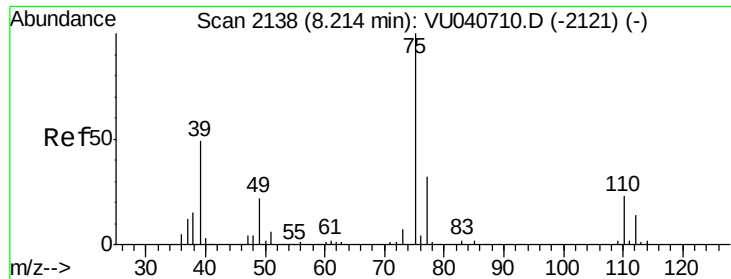
77 46.1 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040720.D

Acq: 15 Oct 2020 15:08

Instrument :

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ClientSampleId :

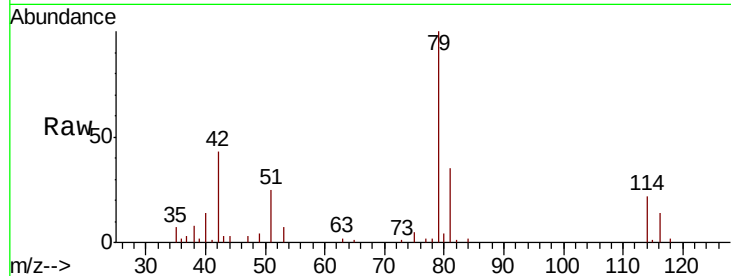
C0AG8

Tot Ion: 75 Resp: 980

Ion Ratio Lower Upper

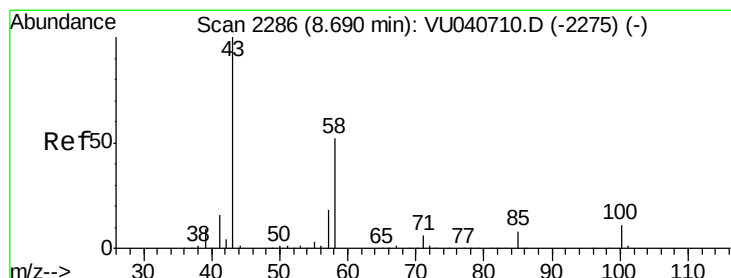
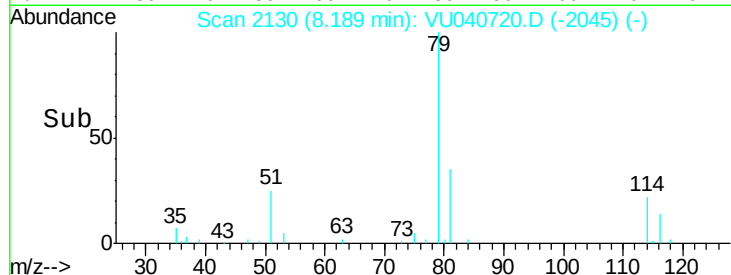
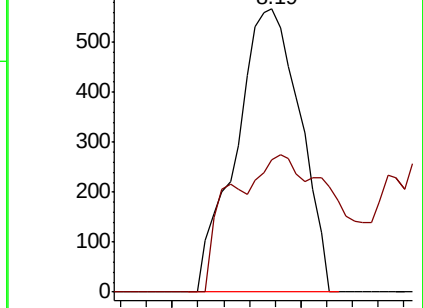
75 100

77 46.7 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 2.531 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040720.D

Acq: 15 Oct 2020 15:08

Tgt Ion: 43 Resp: 16147

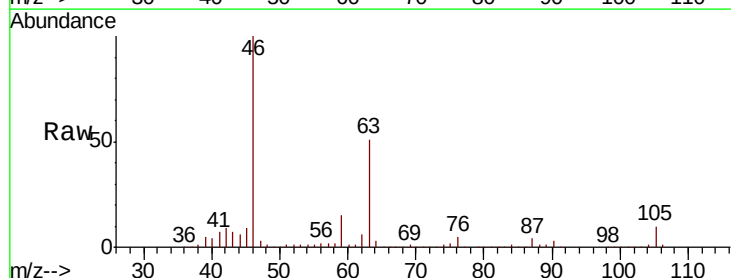
Ion Ratio Lower Upper

43 100

58 35.5 41.0 61.6#

57 30.3 14.4 21.6#

100 1.8 8.6 13.0#

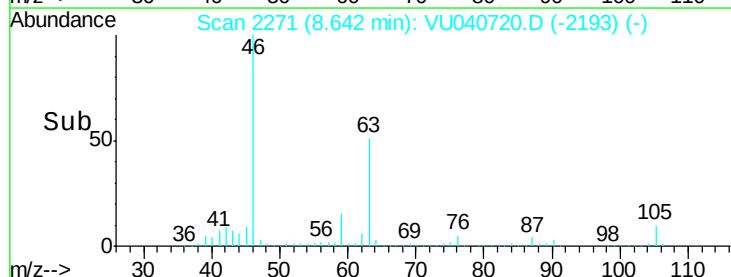
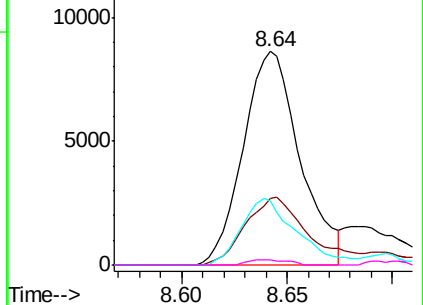


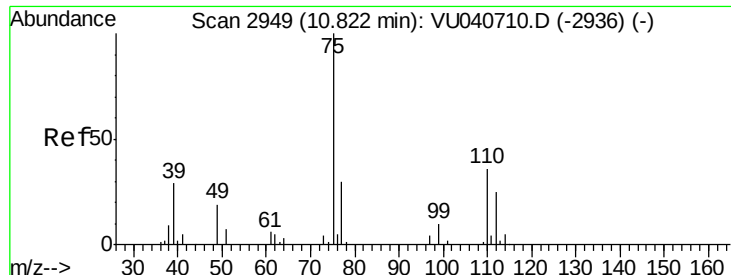
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#59

1,2,3-Trichloropropane

Concen: 0.877 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040720.D

Acq: 15 Oct 2020 15:08

Instrument :

MSVOA_U

ClientSampleId :

C0AG8

Tot Ion: 75 Resp: 6927

Ion Ratio Lower Upper

75 100

77 39.0 26.4 39.6

