

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041901.D
 Acq On : 08 Jan 2021 13:37
 Operator : SY/MD
 Sample : M1027-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 09 01:34:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 09 01:31:59 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	138096	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	131292	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56906	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	37363	3.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.20%
7) Chloroethane-d5	1.92	69	39434	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.58	63	56452	2.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.80%#
20) 2-Butanone-d5	4.65	46	150957	48.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.36%
24) Chloroform-d	5.08	84	94868	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.72	65	54389	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.74	84	181333	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.70	67	58920	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.90	98	145203	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	8.19	79	21900	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	8.64	63	133697	46.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.28%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53319	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	54918	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

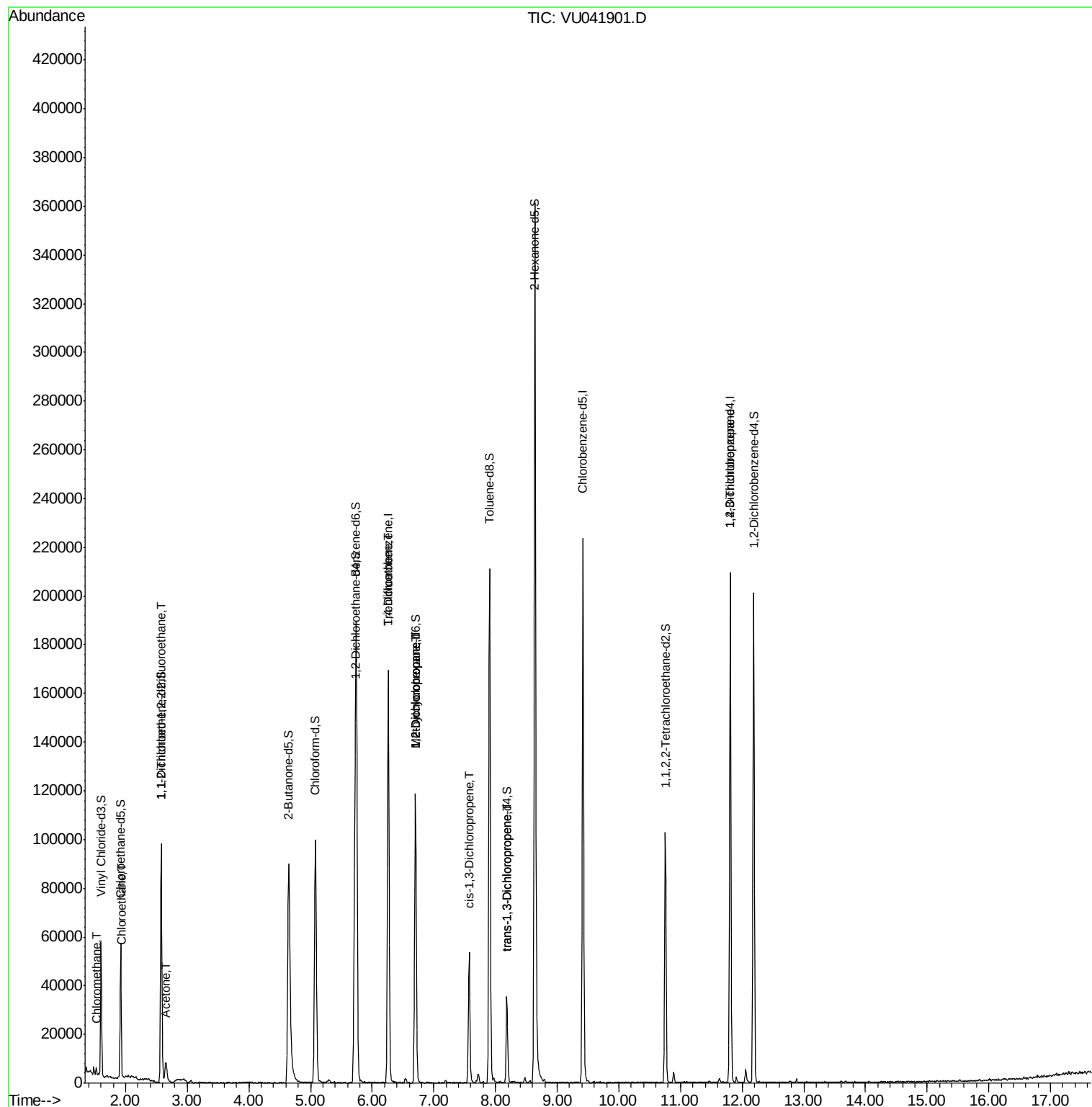
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	1834	0.161	ug/L	85
8) Chloroethane	1.94	64	300	0.035	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	545	0.057	ug/L #	22
13) Acetone	2.66	43	12736	6.456	ug/L	94
34) Trichloroethene	6.26	95	2598	0.246	ug/L #	7
35) Methylcyclohexane	6.70	83	14139	0.829	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5646	0.526	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1358	0.085	ug/L #	71
44) trans-1,3-Dichloropropene	8.18	75	823	0.058	ug/L #	81
59) 1,2,3-Trichloropropane	11.81	75	5712	0.708	ug/L	99

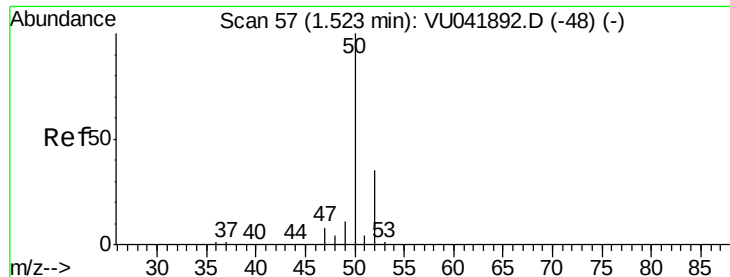
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.161 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041901.D

Acq: 08 Jan 2021 13:37

Instrument :

MSVOA_U

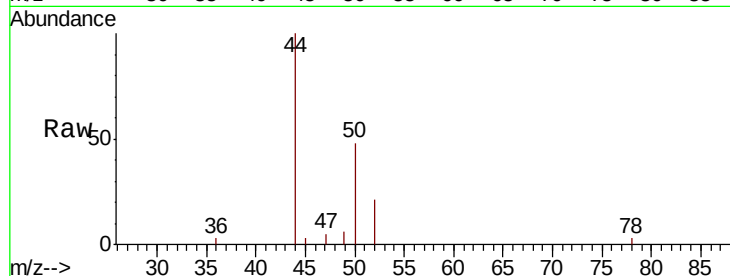
ClientSampleId :

Tot Ion: 50 Resp: 1834

Ion Ratio Lower Upper

50 100

52 43.4 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041901.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU041901.D (-1) (-)

1.52

1500

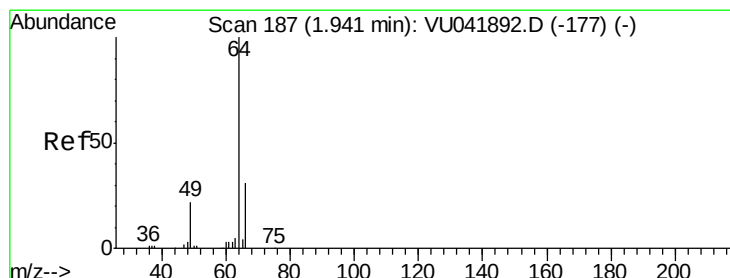
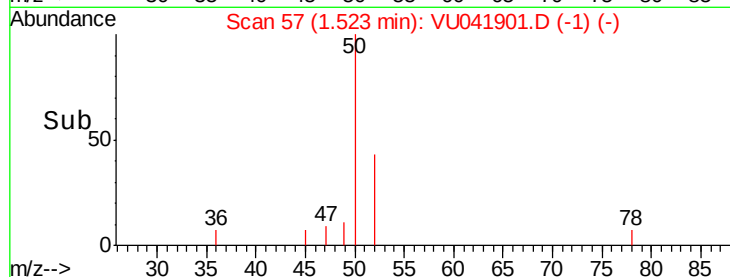
1000

500

0

1.48 1.50 1.52 1.54 1.56

Time-->



#8

Chloroethane

Concen: 0.035 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU041901.D

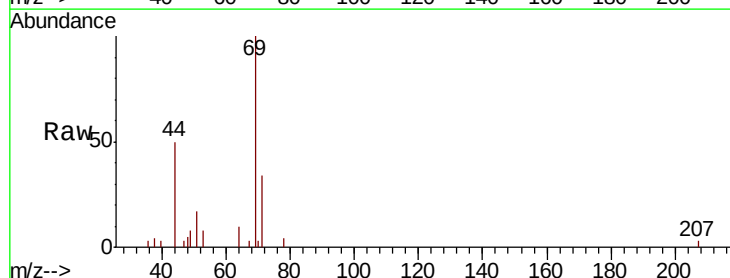
Acq: 08 Jan 2021 13:37

Tgt Ion: 64 Resp: 300

Ion Ratio Lower Upper

64 100

66 0.0 21.6 40.0#



Abundance Ion 64.10 (63.80 to 64.80): VU041901.D (-94) (-)

Ion 66.05 (65.75 to 66.75): VU041901.D (-94) (-)

1.94

400

300

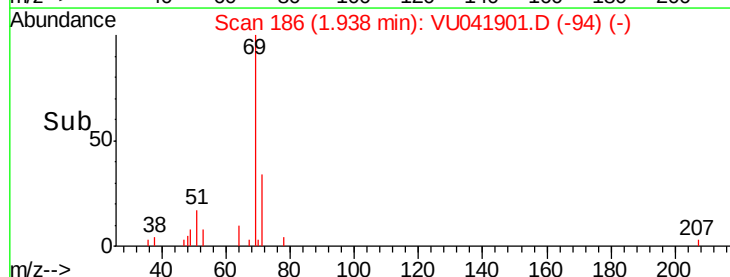
200

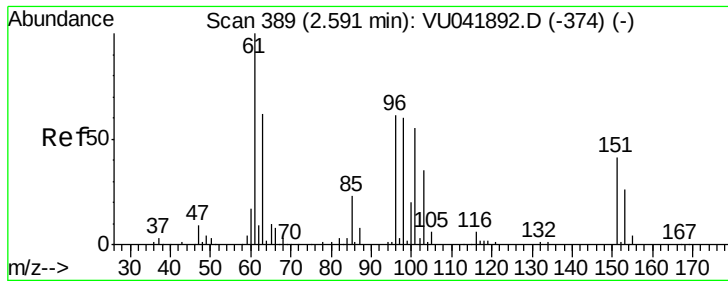
100

0

1.90 1.92 1.94

Time-->





#10

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

Concen: 0.057 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041901.D

Acq: 08 Jan 2021 13:37

Instrument :

MSVOA_U

ClientSampleId :

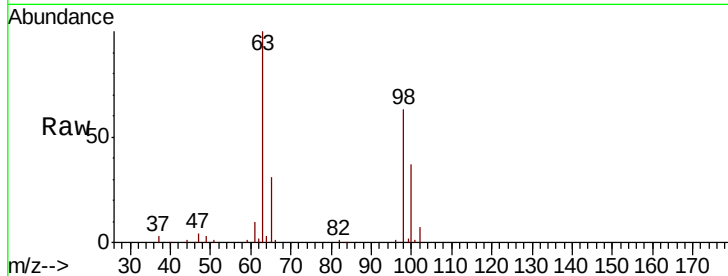
Tot Ion:101 Resp: 545

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

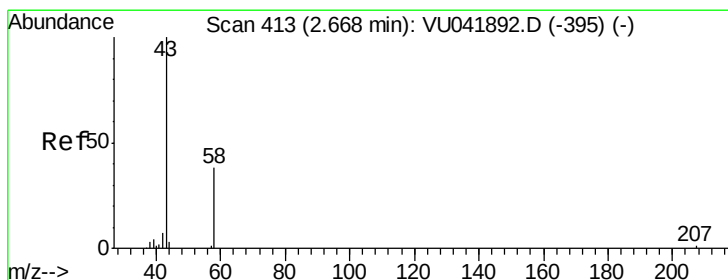
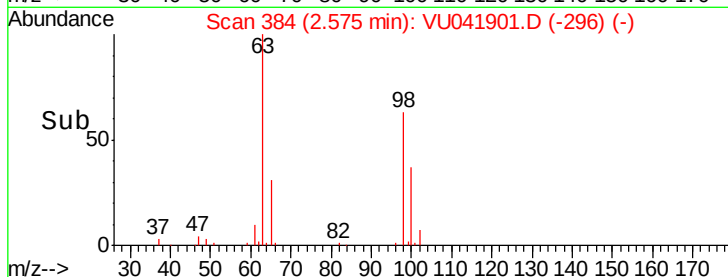
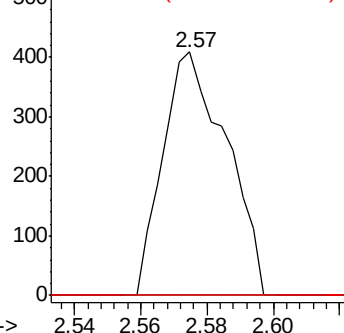
151 0.0 56.2 84.4#



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



#13

Acetone

Concen: 6.456 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.01 min

Lab File: VU041901.D

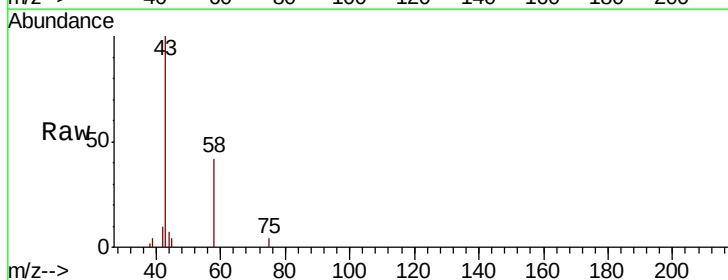
Acq: 08 Jan 2021 13:37

Tgt Ion: 43 Resp: 12736

Ion Ratio Lower Upper

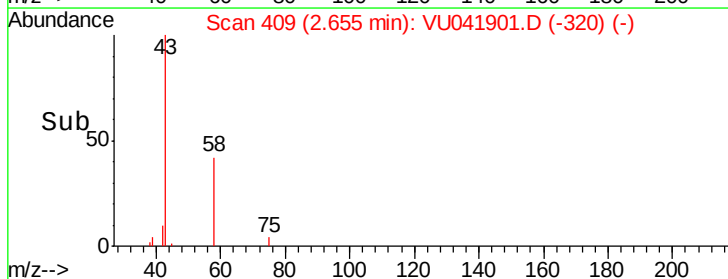
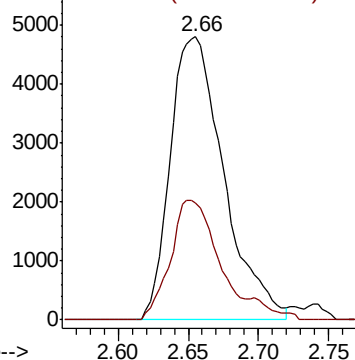
43 100

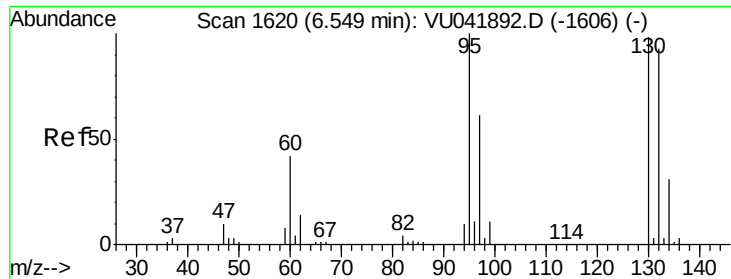
58 40.3 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#34

Trichloroethene

Concen: 0.246 ug/L

RT: 6.26 min Scan# 1530

Delta R.T. -0.29 min

Lab File: VU041901.D

Acq: 08 Jan 2021 13:37

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 2598

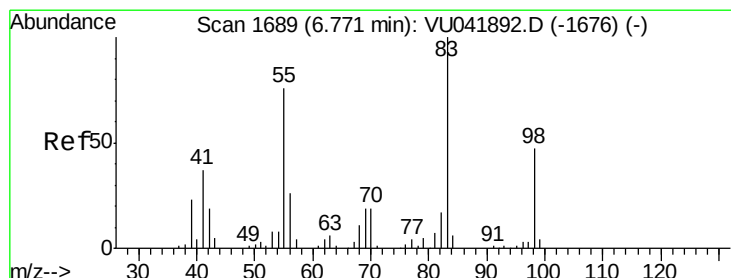
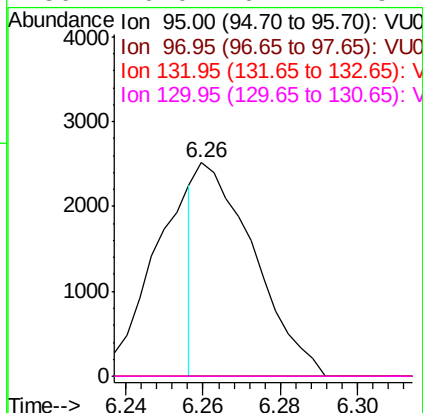
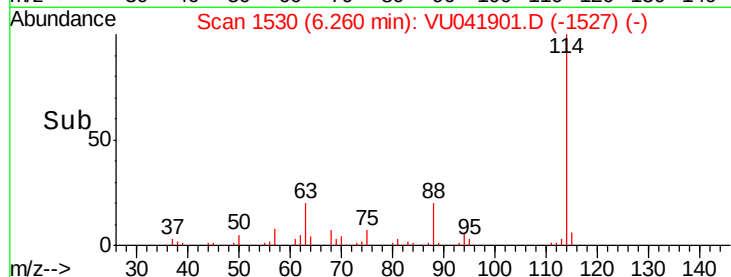
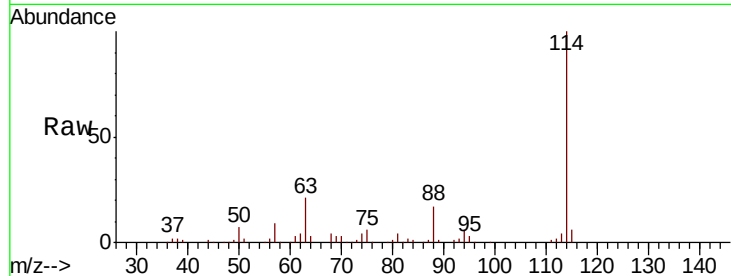
Ion Ratio Lower Upper

95 100

97 0.0 43.9 81.5#

132 0.0 63.1 117.3#

130 0.0 67.4 125.2#



#35

Methylcyclohexane

Concen: 0.829 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041901.D

Acq: 08 Jan 2021 13:37

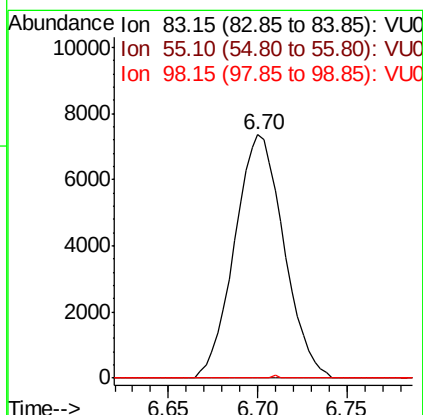
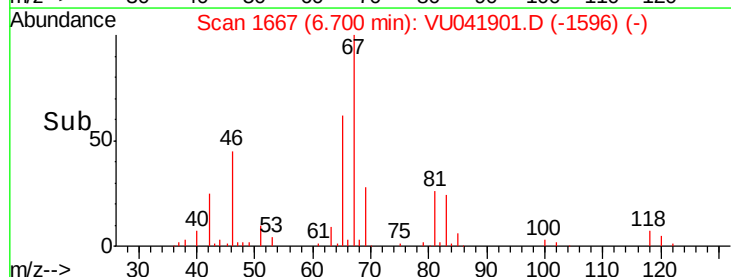
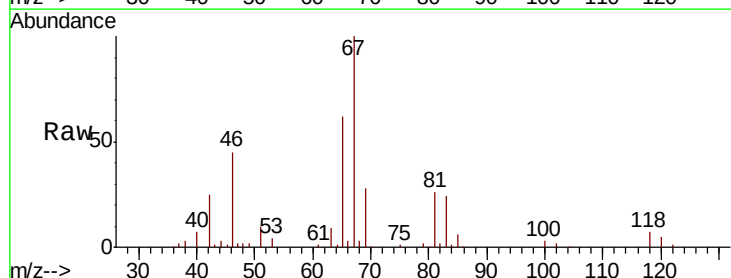
Tgt Ion: 83 Resp: 14139

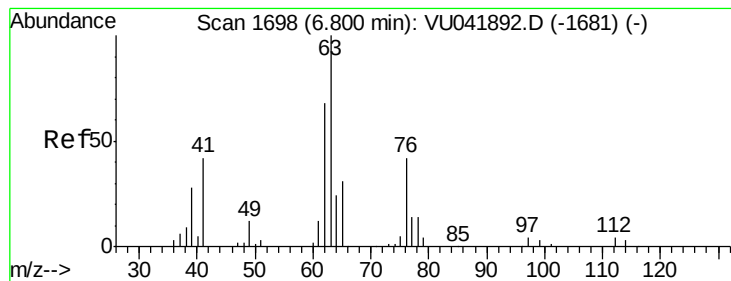
Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

98 0.1 36.6 54.8#





#37

1,2-Dichloropropane

Concen: 0.526 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041901.D

Acq: 08 Jan 2021 13:37

Instrument :

MSVOA_U

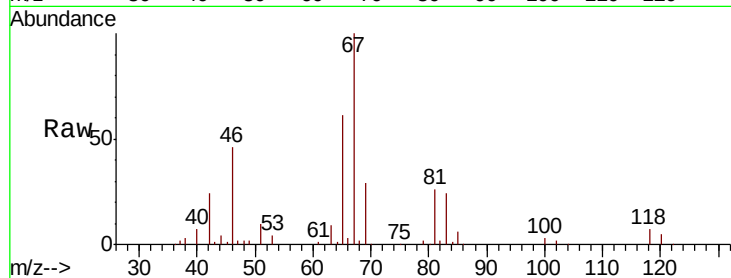
ClientSampleId :

Tot Ion: 63 Resp: 5646

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041892.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041892.D (-1681) (-)

6.70

3000

2500

2000

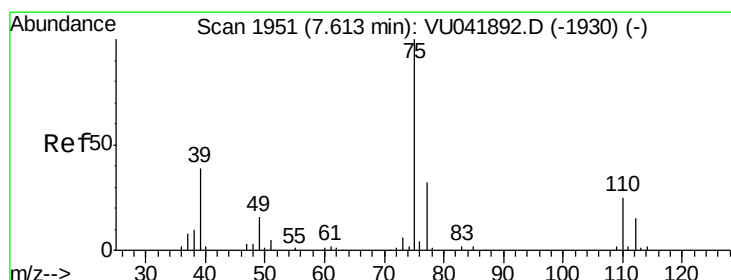
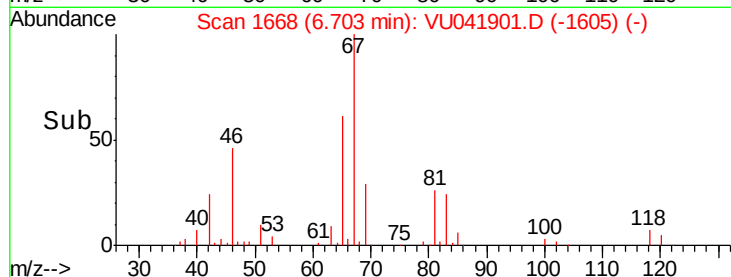
1500

1000

500

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041901.D

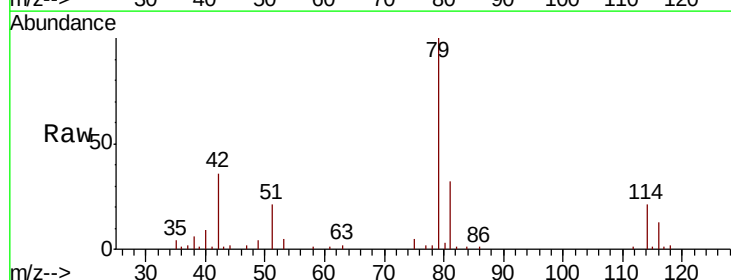
Acq: 08 Jan 2021 13:37

Tgt Ion: 75 Resp: 1358

Ion Ratio Lower Upper

75 100

77 48.0 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041892.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU041892.D (-1930) (-)

7.57

1000

800

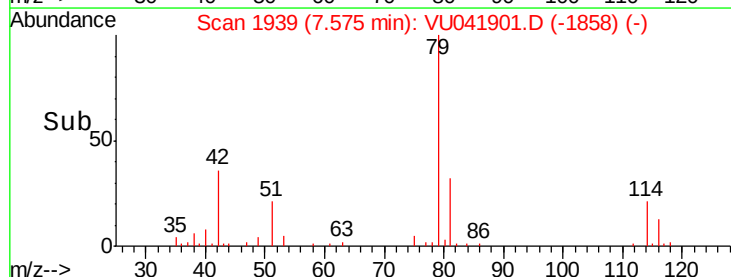
600

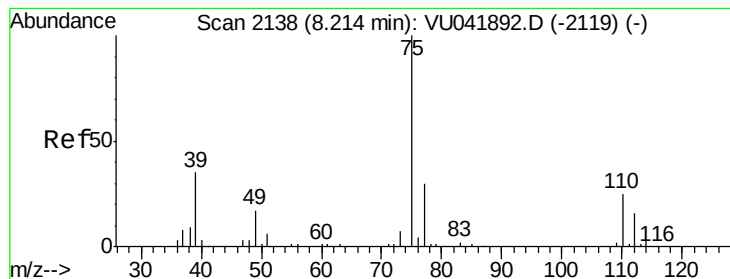
400

200

0

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.058 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041901.D

Acq: 08 Jan 2021 13:37

Instrument :

MSVOA_U

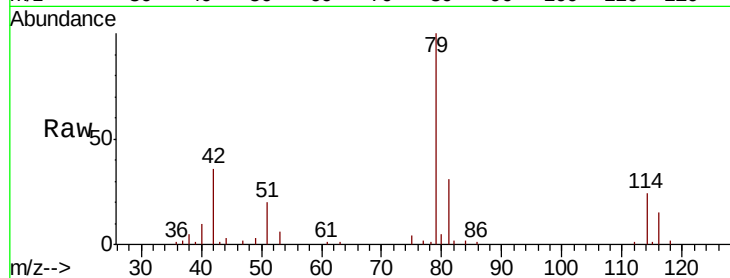
ClientSampleId :

Tot Ion: 75 Resp: 823

Ion Ratio Lower Upper

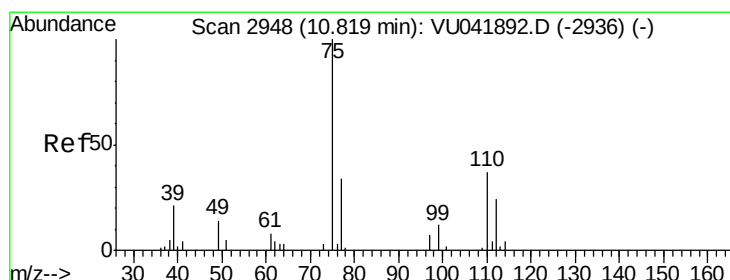
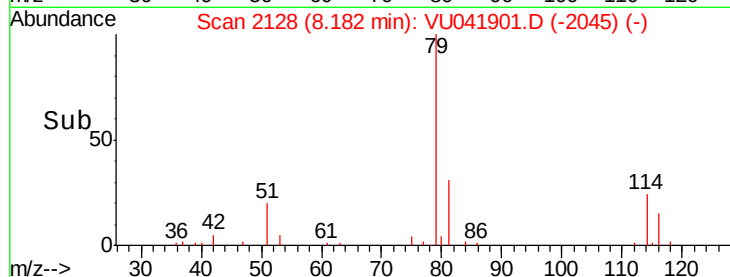
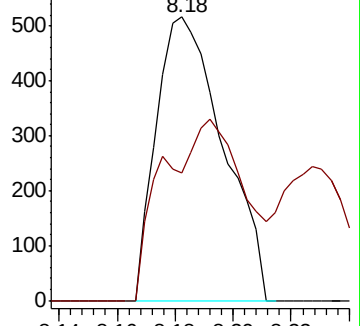
75 100

77 45.2 23.8 44.2#



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: 0.708 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041901.D

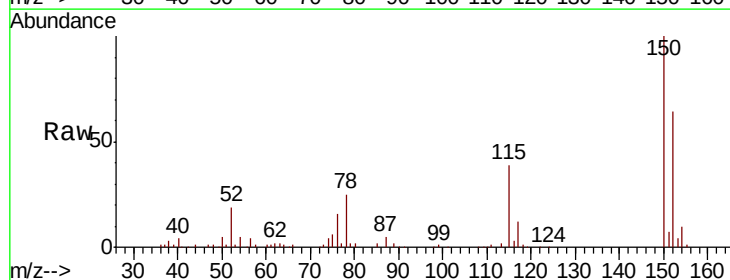
Acq: 08 Jan 2021 13:37

Tgt Ion: 75 Resp: 5712

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

