

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100820\
 Data File : VU040572.D
 Acq On : 08 Oct 2020 19:27
 Operator : SY/MD
 Sample : L4286-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ9

Quant Time: Oct 09 02:05:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 09 01:55:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	135473	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	135615	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	58021	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	55423	4.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.80%
7) Chloroethane-d5	1.92	69	43749	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.58	63	81251	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	4.66	46	187483	52.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.38%
24) Chloroform-d	5.08	84	97645	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.72	65	59649	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.75	84	185431	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.70	67	62509	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.91	98	154088	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	8.19	79	24876	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	8.64	63	135357	51.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.12%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53412	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	60162	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

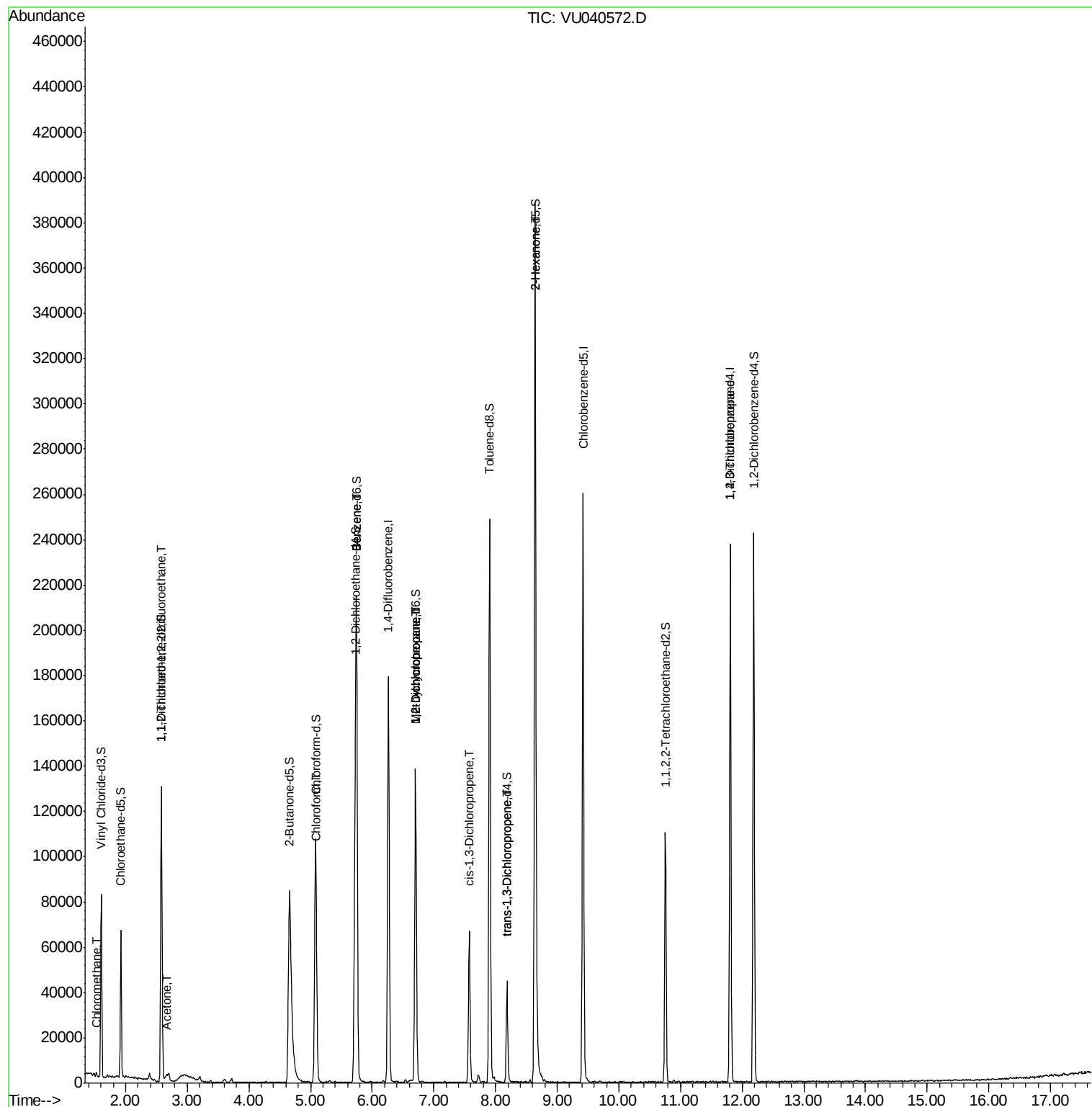
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1178	0.103	ug/L #	81
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	741	0.066	ug/L #	20
13) Acetone	2.67	43	5298	1.903	ug/L	70
25) Chloroform	5.10	83	1646	0.077	ug/L	87
33) Benzene	5.75	78	1366	0.031	ug/L	100
35) Methylcyclohexane	6.70	83	14317	0.894	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	6712	0.553	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1828	0.110	ug/L #	65
44) trans-1,3-Dichloropropene	8.19	75	1142	0.075	ug/L #	73
48) 2-Hexanone	8.64	43	18474	2.564	ug/L #	69
59) 1,2,3-Trichloropropane	11.81	75	8474	0.950	ug/L	91

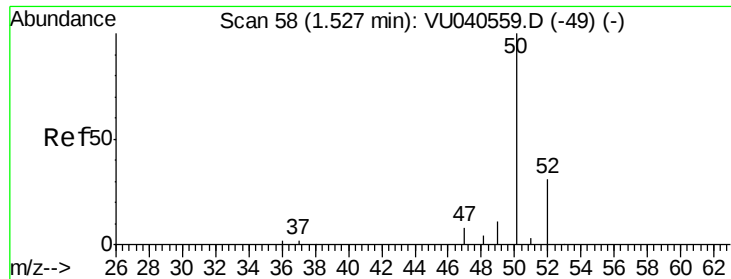
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.103 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040572.D

Acq: 08 Oct 2020 19:27

Instrument :

MSVOA_U

ClientSampleId :

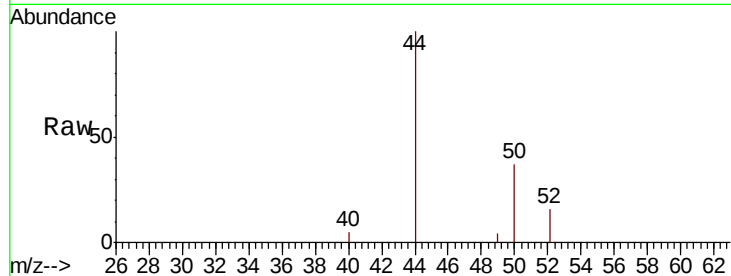
C0AQ9

Tot Ion: 50 Resp: 1178

Ion Ratio Lower Upper

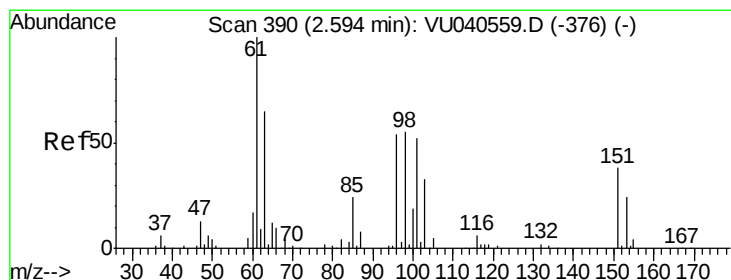
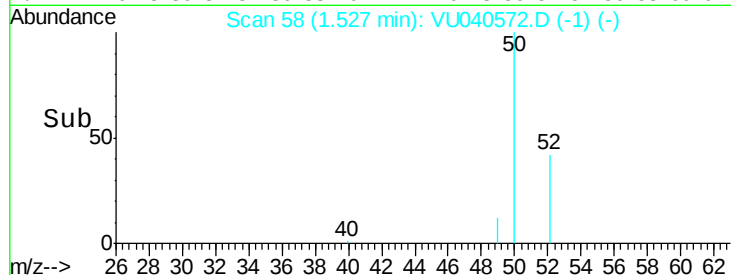
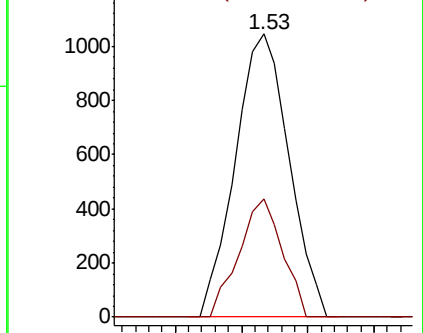
50 100

52 41.8 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#10

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

Concen: 0.066 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU040572.D

Acq: 08 Oct 2020 19:27

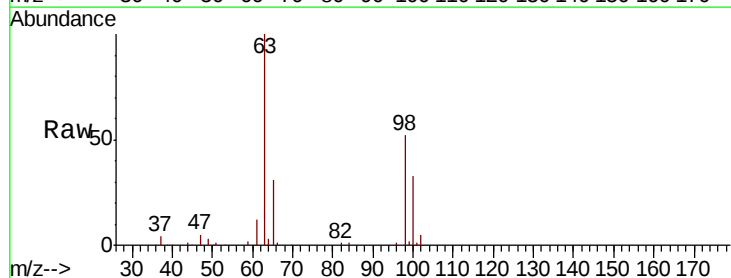
Tgt Ion:101 Resp: 741

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

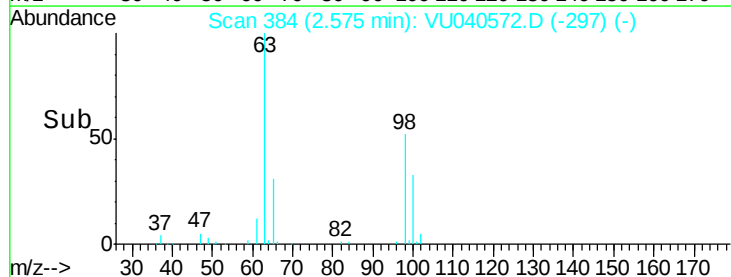
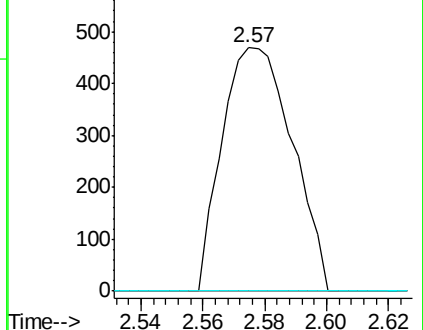
151 0.0 58.0 87.0#

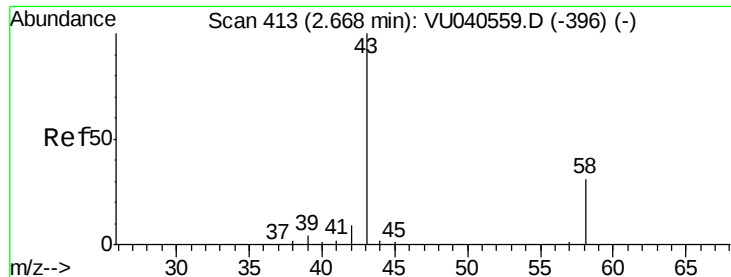


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 1.903 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU040572.D

Acq: 08 Oct 2020 19:27

Instrument :

MSVOA_U

ClientSampleId :

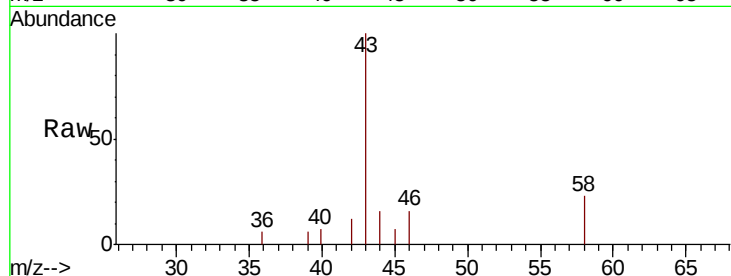
C0AQ9

Tot Ion: 43 Resp: 5298

Ion Ratio Lower Upper

43 100

58 14.0 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040559.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU040559.D (-396) (-)

2.67

2000

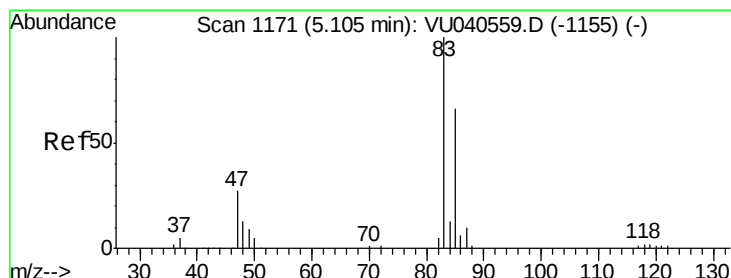
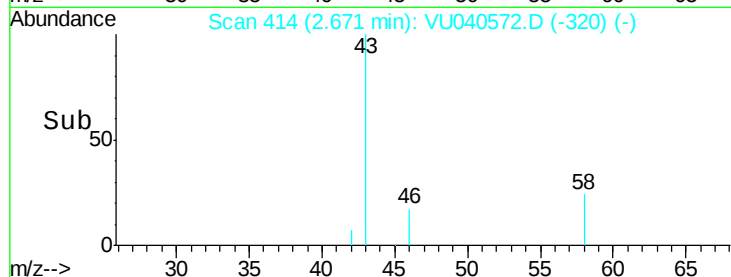
1500

1000

500

0

Time-->



#25

Chloroform

Concen: 0.077 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VU040572.D

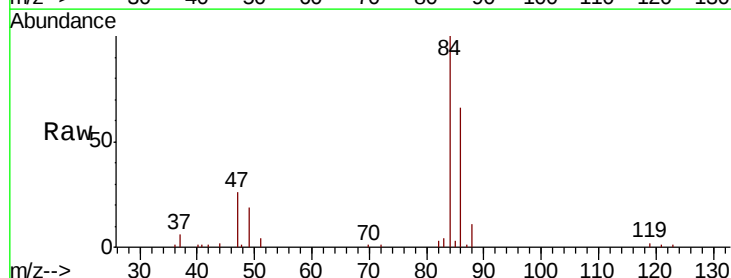
Acq: 08 Oct 2020 19:27

Tgt Ion: 83 Resp: 1646

Ion Ratio Lower Upper

83 100

85 76.9 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040559.D (-1155) (-)

Ion 85.00 (84.70 to 85.70): VU040559.D (-1155) (-)

5.10

800

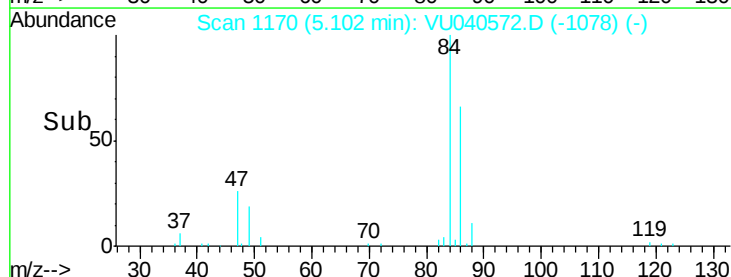
600

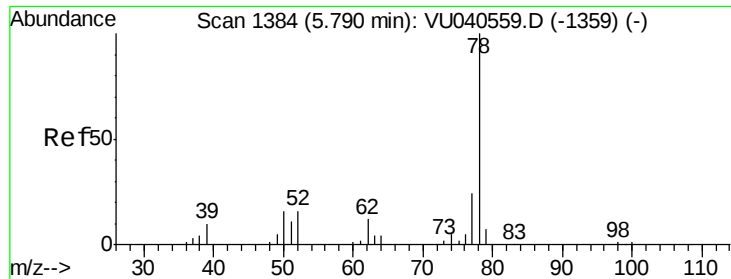
400

200

0

Time-->





#33

Benzene

Concen: 0.031 ug/L

RT: 5.75 min Scan# 1371

Delta R.T. -0.04 min

Lab File: VU040572.D

Acq: 08 Oct 2020 19:27

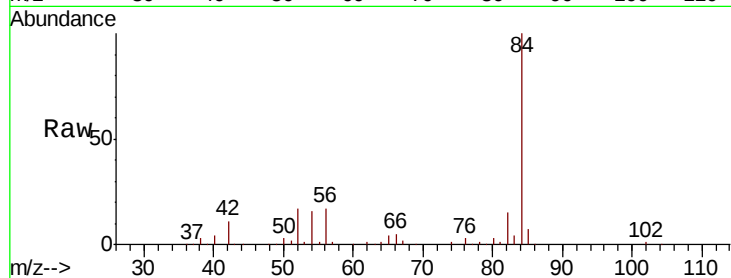
Instrument :

MSVOA_U

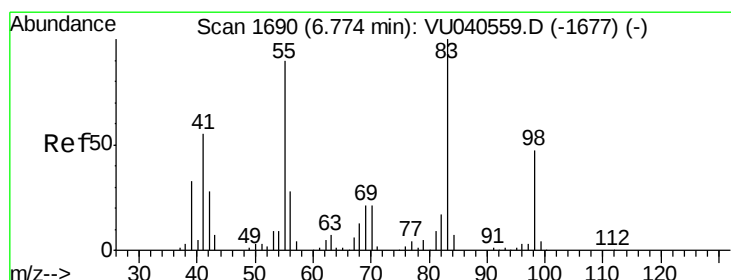
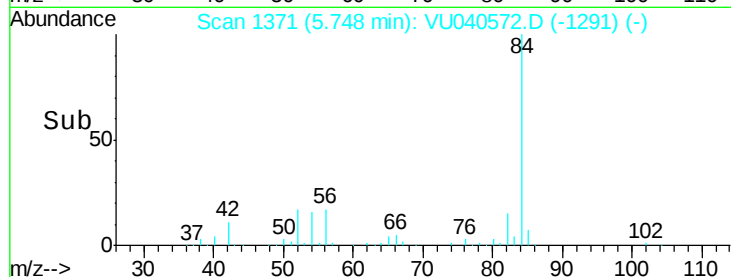
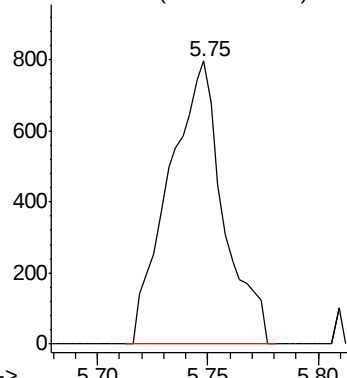
ClientSampleId :

C0AQ9

Tgt Ion: 78 Resp: 1366



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.894 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040572.D

Acq: 08 Oct 2020 19:27

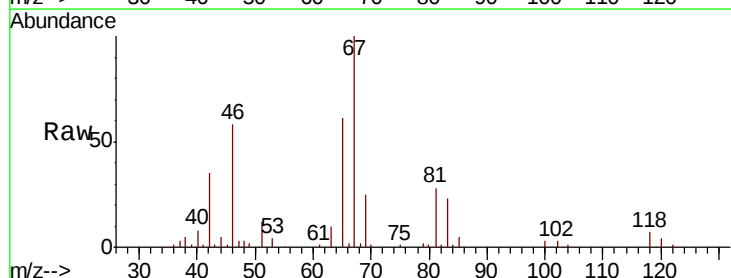
Tgt Ion: 83 Resp: 14317

Ion Ratio Lower Upper

83 100

55 0.9 70.7 106.1#

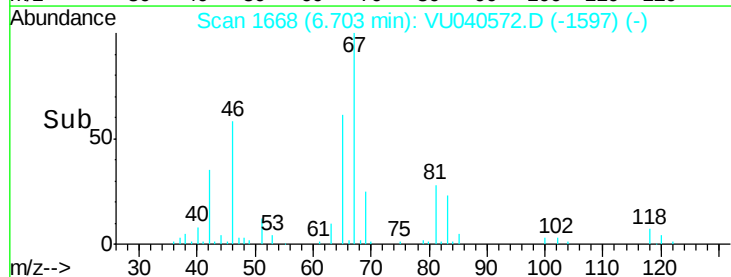
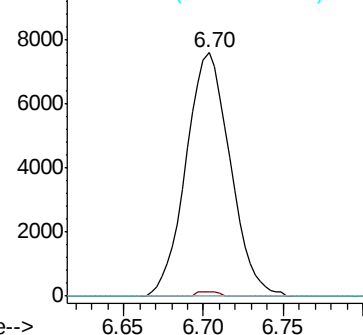
98 0.8 38.4 57.6#

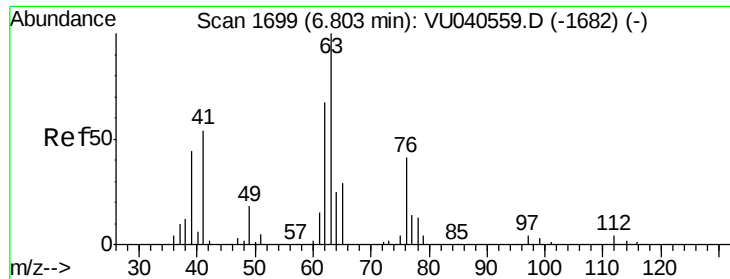


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

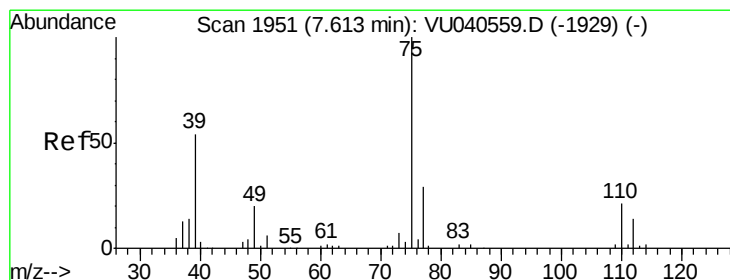
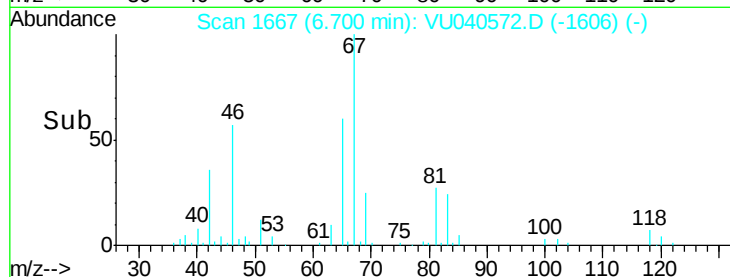
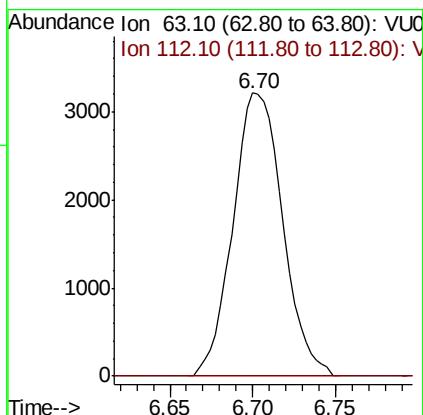
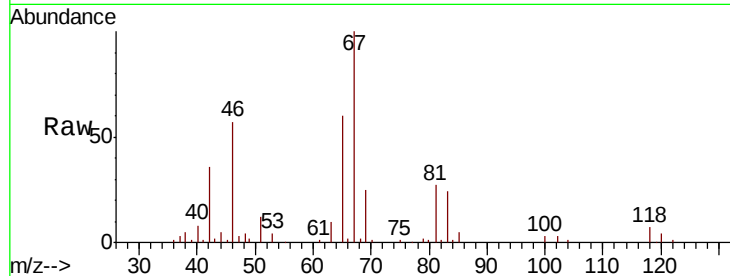




#37
 1,2-Dichloropropane
 Concen: 0.553 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040572.D
 Acq: 08 Oct 2020 19:27

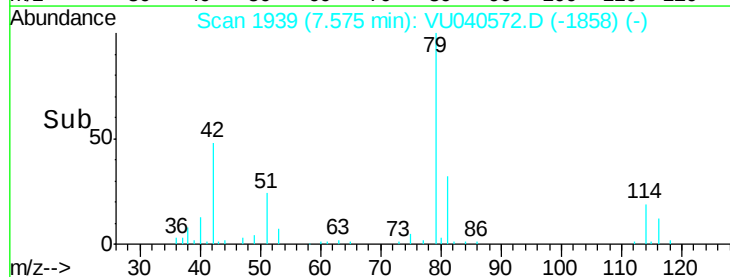
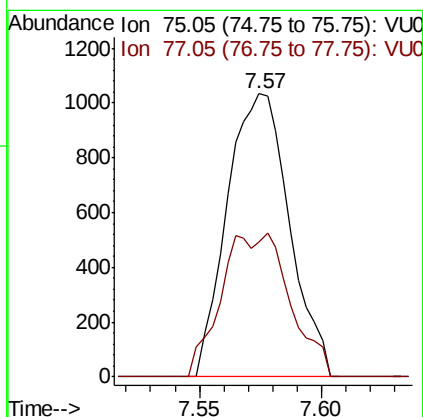
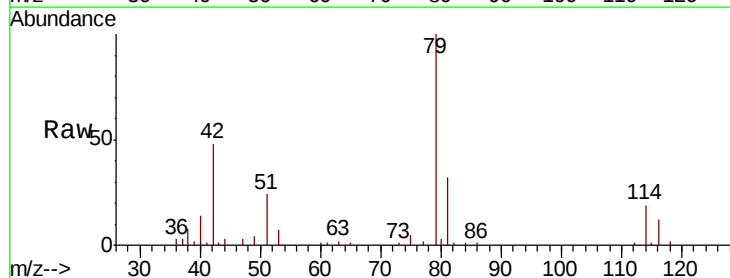
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ9

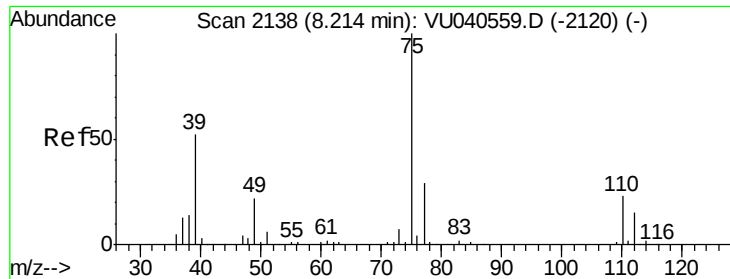
Tot Ion: 63 Resp: 6712
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.110 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040572.D
 Acq: 08 Oct 2020 19:27

Tgt Ion: 75 Resp: 1828
 Ion Ratio Lower Upper
 75 100
 77 47.8 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040572.D

Acq: 08 Oct 2020 19:27

Instrument :

MSVOA_U

ClientSampleId :

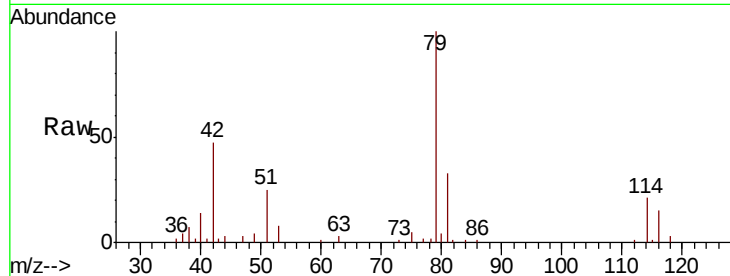
C0AQ9

Tot Ion: 75 Resp: 1142

Ion Ratio Lower Upper

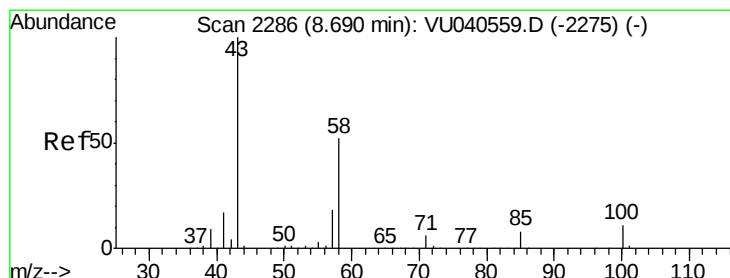
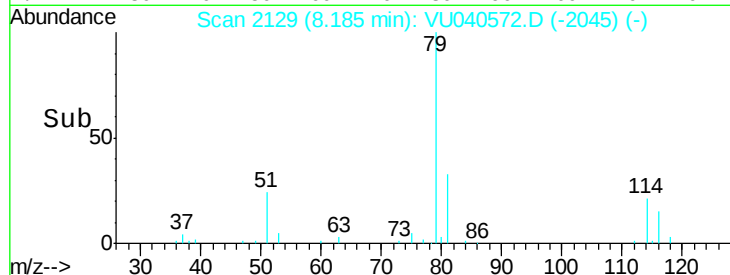
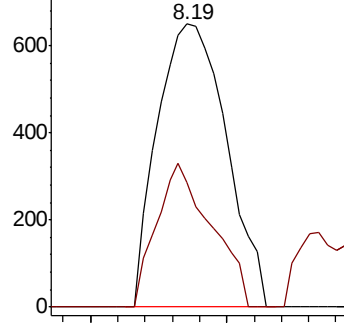
75 100

77 43.8 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: 2.564 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040572.D

Acq: 08 Oct 2020 19:27

Tgt Ion: 43 Resp: 18474

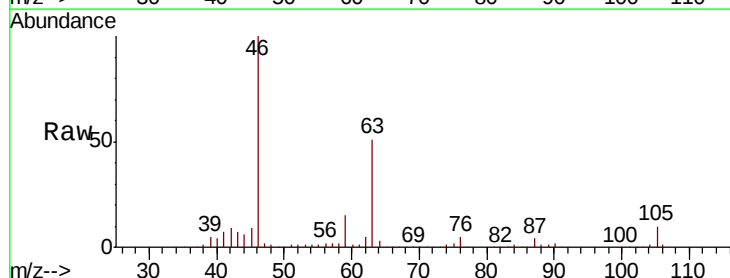
Ion Ratio Lower Upper

43 100

58 27.5 41.0 61.6#

57 28.1 14.4 21.6#

100 0.8 8.6 13.0#

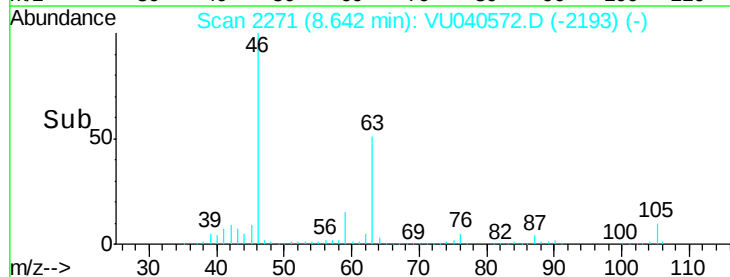
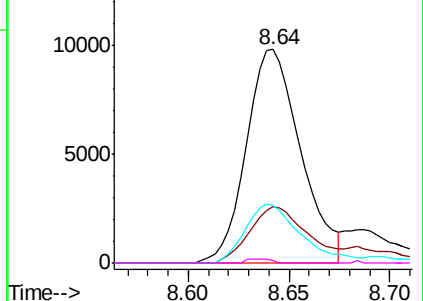


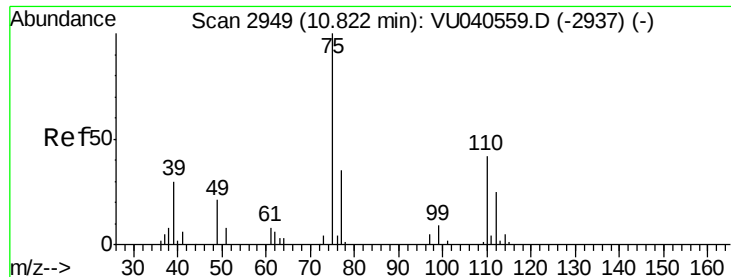
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.950 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040572.D

Acq: 08 Oct 2020 19:27

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 75 Resp: 8474

Ion Ratio Lower Upper

75 100

77 38.0 26.4 39.6

