

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101520\
 Data File : VU040731.D
 Acq On : 15 Oct 2020 19:24
 Operator : SY/MD
 Sample : L4421-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSS5

Quant Time: Oct 16 04:34:26 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	107409	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113981	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46335	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39823	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.92	69	35482	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.58	63	60710	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	4.66	46	159308	55.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.88%
24) Chloroform-d	5.08	84	83980	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
26) 1,2-Dichloroethane-d4	5.72	65	51737	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.80%
32) Benzene-d6	5.75	84	147758	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.70	67	52196	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.91	98	117054	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	8.19	79	19878	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.64	63	107741	48.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.72%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	47060	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	52332	6.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.80%#

Target Compounds

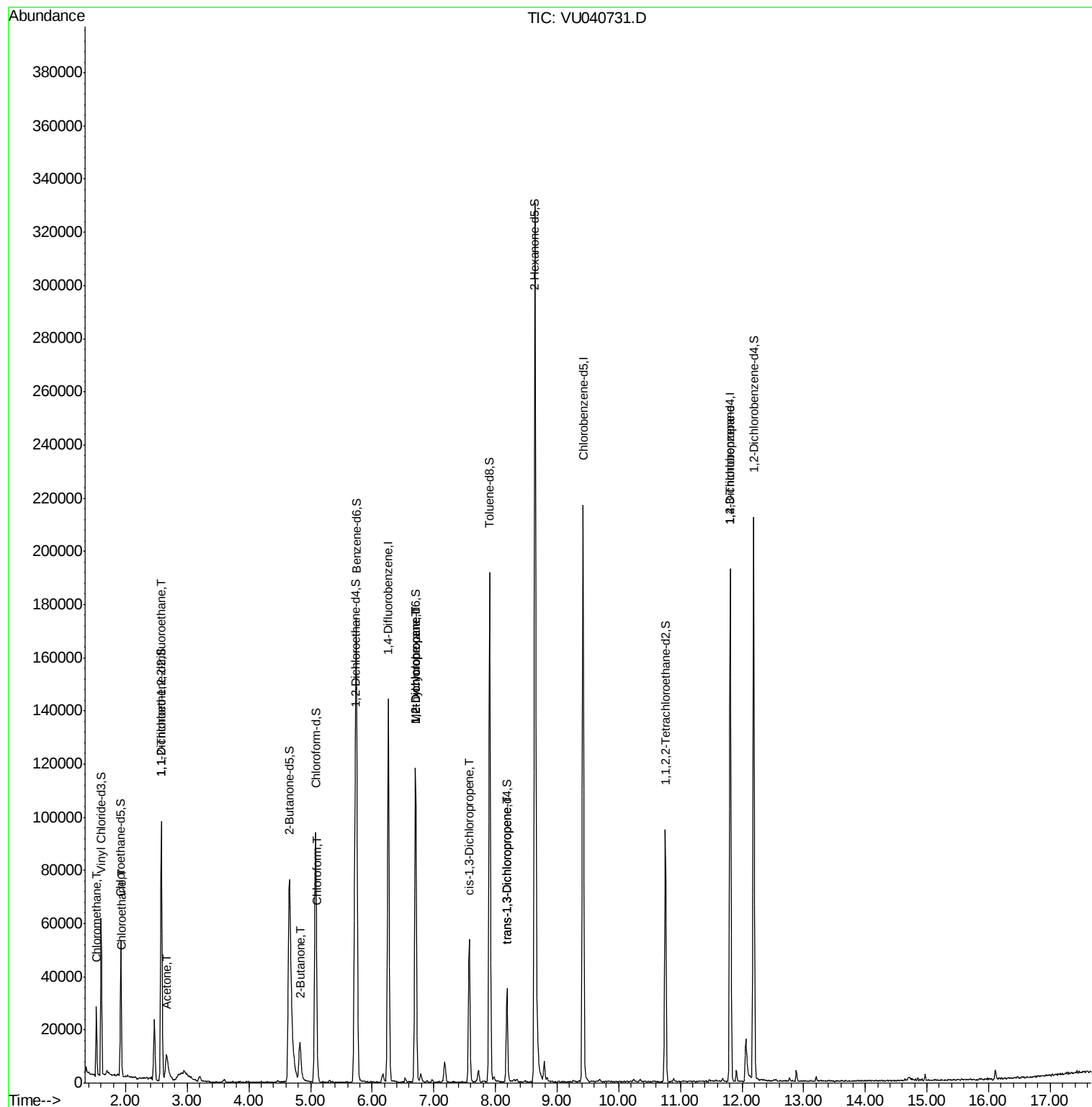
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	17596	1.933	ug/L	94
8) Chloroethane	1.94	64	1147	0.188	ug/L #	78
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	469	0.052	ug/L #	20
13) Acetone	2.67	43	23107	10.467	ug/L	87
21) 2-Butanone	4.83	43	22467	6.528	ug/L #	53
25) Chloroform	5.11	83	2082	0.123	ug/L	98
35) Methylcyclohexane	6.70	83	12598	0.936	ug/L #	14
37) 1,2-Dichloropropane	6.71	63	5981	0.586	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1381	0.099	ug/L #	39
44) trans-1,3-Dichloropropene	8.18	75	1067	0.083	ug/L	91
59) 1,2,3-Trichloropropane	11.81	75	6401	0.854	ug/L	96

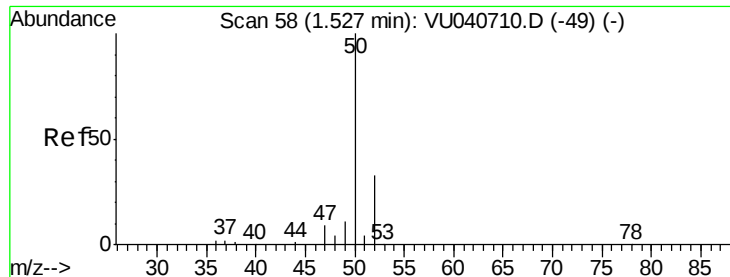
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.933 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040731.D

Acq: 15 Oct 2020 19:24

Instrument :

MSVOA_U

ClientSampleId :

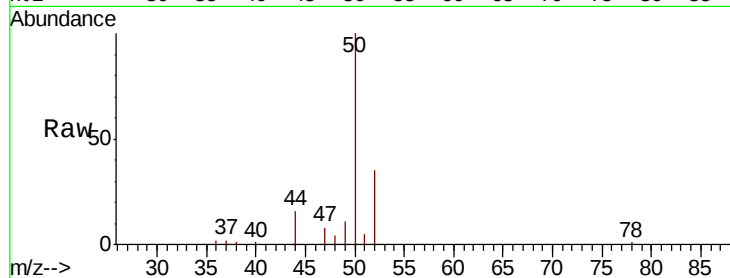
BFSS5

Tot Ion: 50 Resp: 17596

Ion Ratio Lower Upper

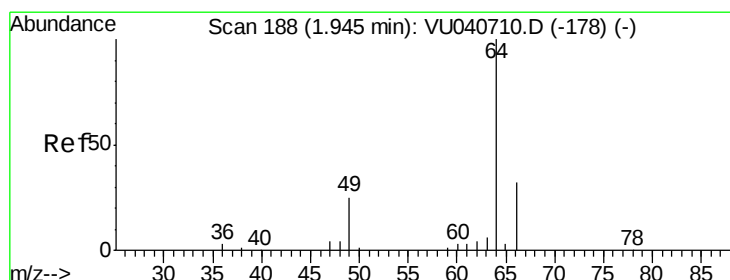
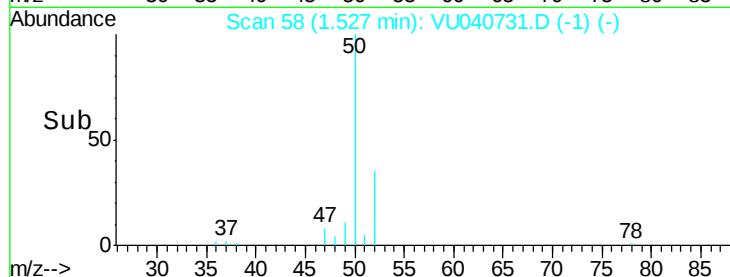
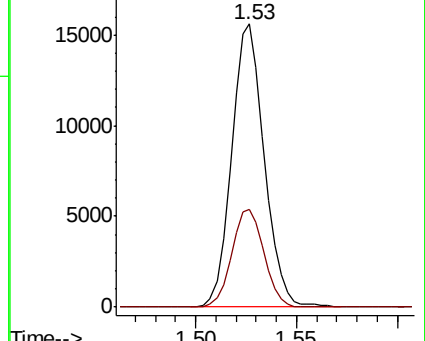
50 100

52 34.6 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040731.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040731.D (-1) (-)



#8

Chloroethane

Concen: 0.188 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040731.D

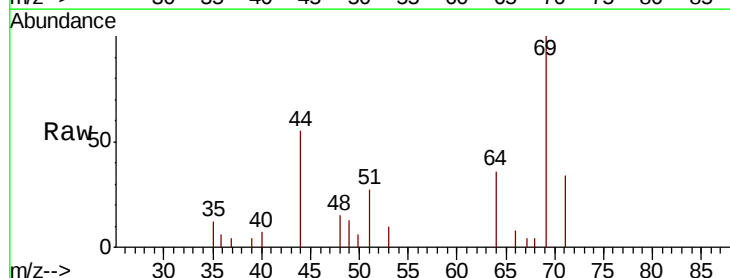
Acq: 15 Oct 2020 19:24

Tgt Ion: 64 Resp: 1147

Ion Ratio Lower Upper

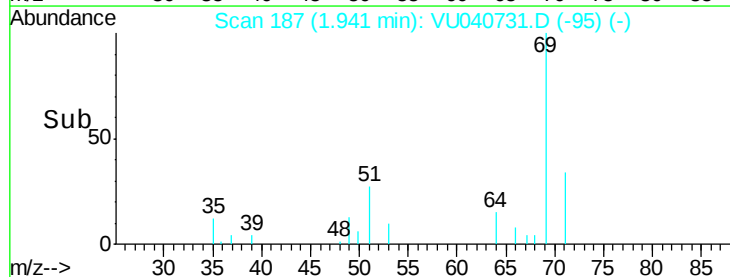
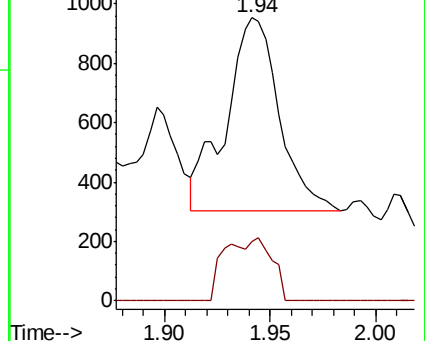
64 100

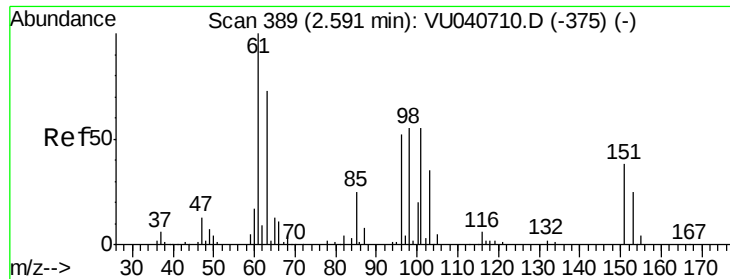
66 21.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU040731.D (-95) (-)

Ion 66.05 (65.75 to 66.75): VU040731.D (-95) (-)





#10

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

Concen: 0.052 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040731.D

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ClientSampleId :

BFSS5

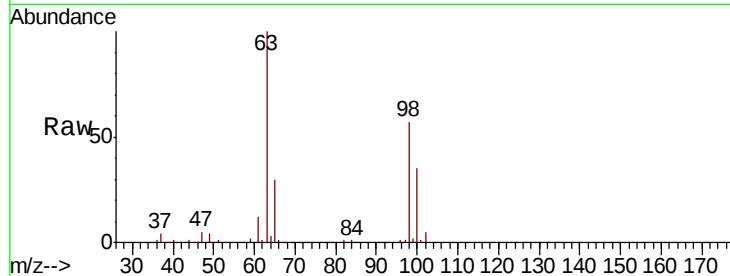
Tot Ion:101 Resp: 469

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

500

400

300

200

100

0

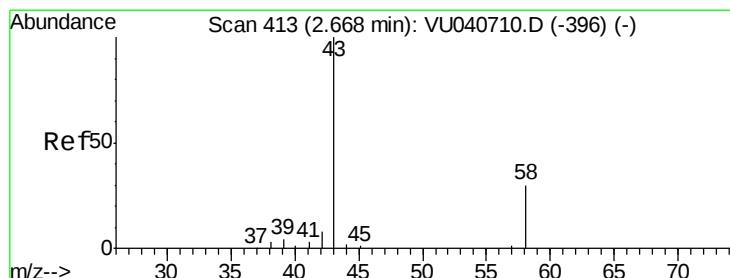
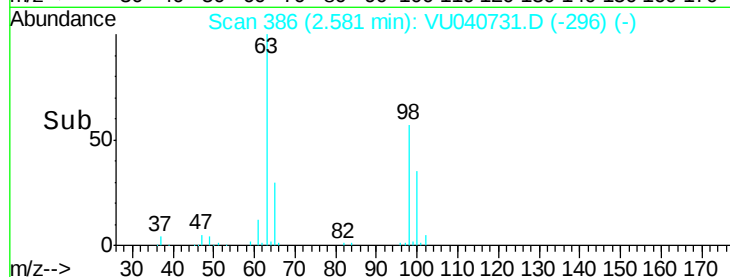
2.54

2.56

2.58

2.60

Time-->



#13

Acetone

Concen: 10.467 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU040731.D

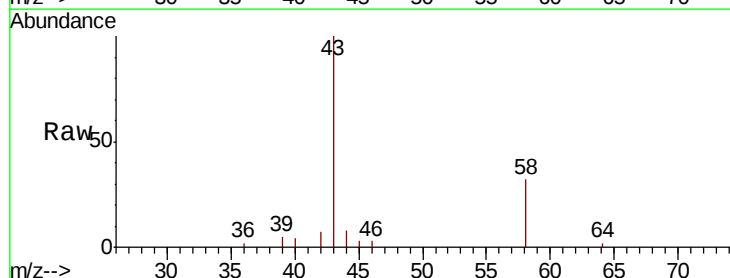
Acq: 15 Oct 2020 19:24

Tgt Ion: 43 Resp: 23107

Ion Ratio Lower Upper

43 100

58 23.3 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

6000

4000

2000

0

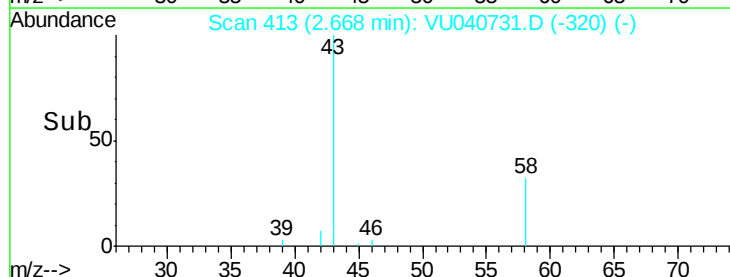
2.60

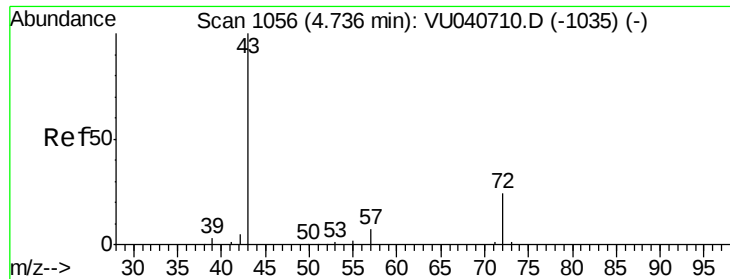
2.67

2.70

2.80

Time-->





#21

2-Butanone

Concen: 6.528 ug/L

RT: 4.83 min Scan# 1084

Delta R.T. 0.09 min

Lab File: VU040731.D

Acq: 15 Oct 2020 19:24

Instrument :

MSVOA_U

ClientSampleId :

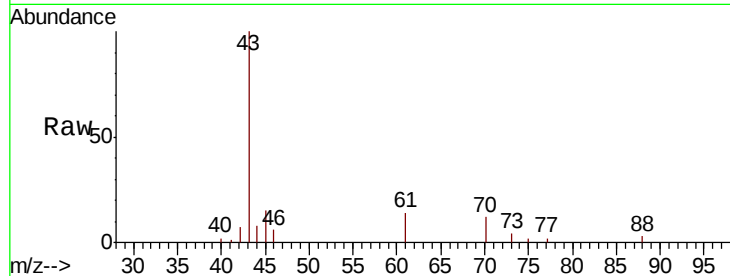
BFSS5

Tot Ion: 43 Resp: 22467

Ion Ratio Lower Upper

43 100

72 0.1 11.4 34.2#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0

4.83

8000

6000

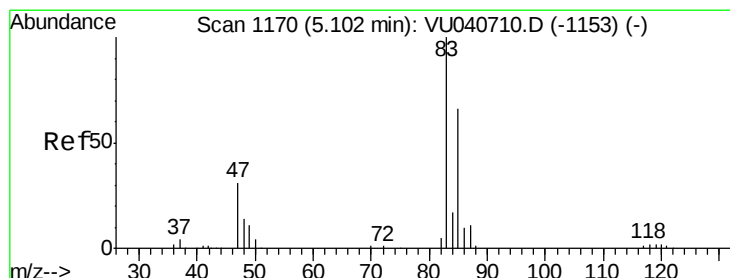
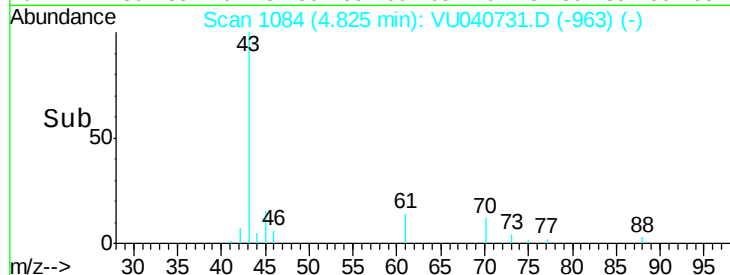
4000

2000

0

Time-->

4.80 4.90



#25

Chloroform

Concen: 0.123 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VU040731.D

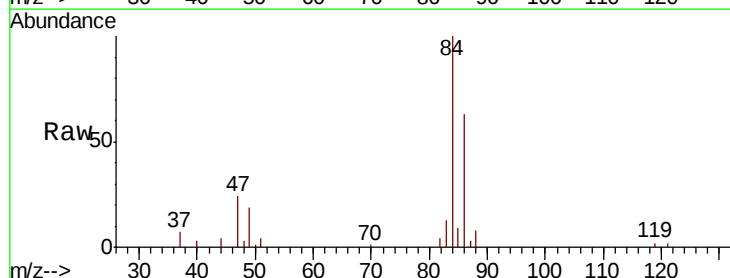
Acq: 15 Oct 2020 19:24

Tgt Ion: 83 Resp: 2082

Ion Ratio Lower Upper

83 100

85 65.0 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

5.11

1200

1000

800

600

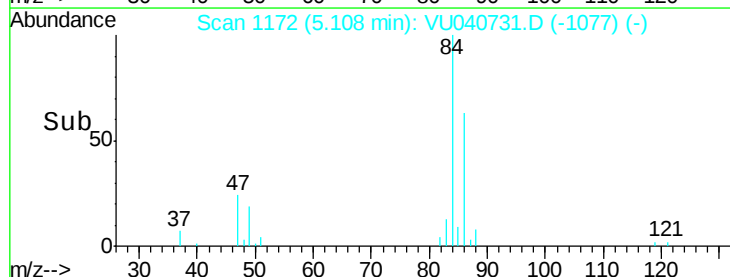
400

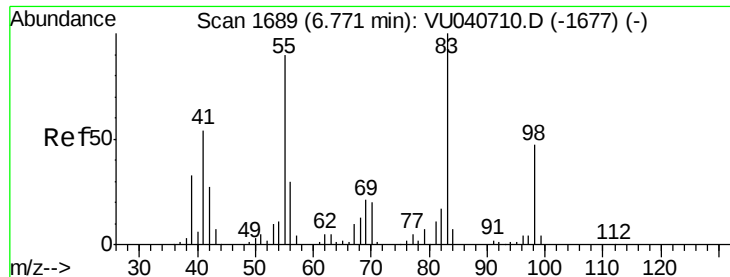
200

0

Time-->

5.10 5.15

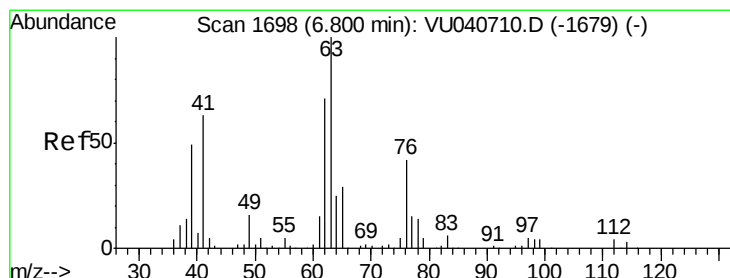
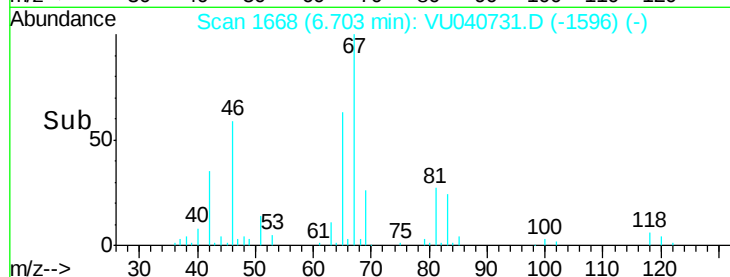
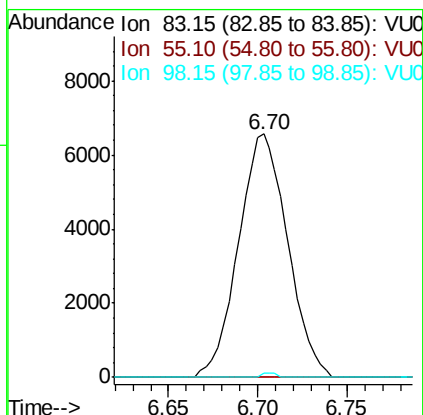
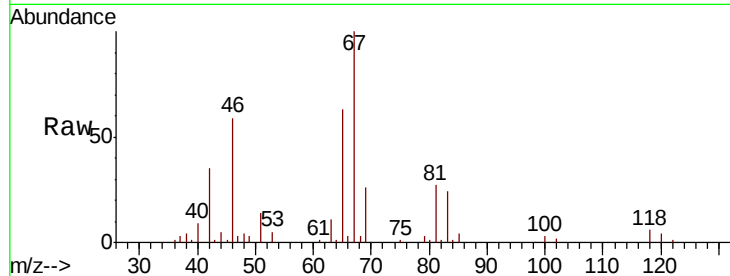




#35
Methvlcvclohexane
Concen: 0.936 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040731.D
Acq: 15 Oct 2020 19:24

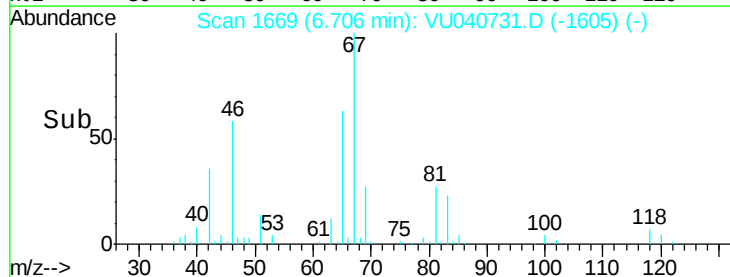
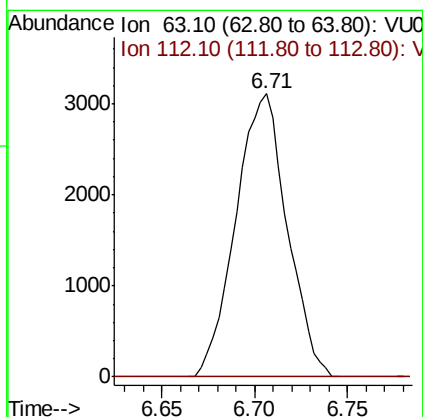
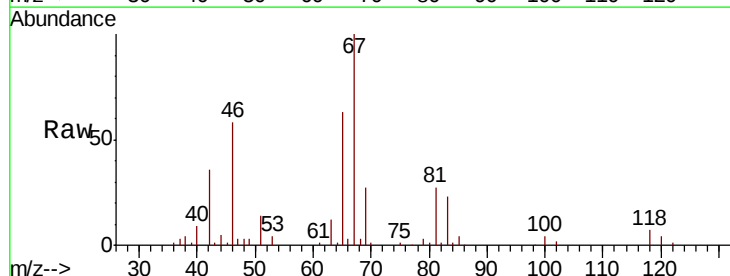
Instrument :
MSVOA_U
ClientSampleId :
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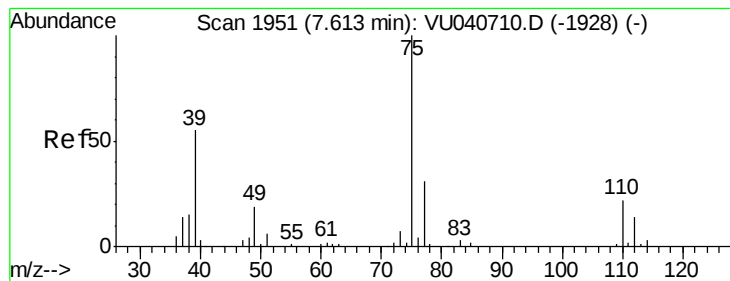
Tot Ion: 83 Resp: 12598
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.6 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.586 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU040731.D
Acq: 15 Oct 2020 19:24

Tgt Ion: 63 Resp: 5981
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



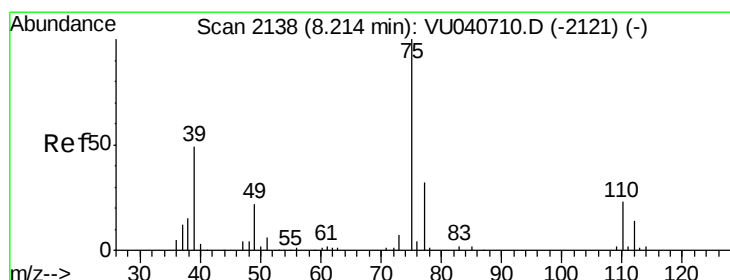
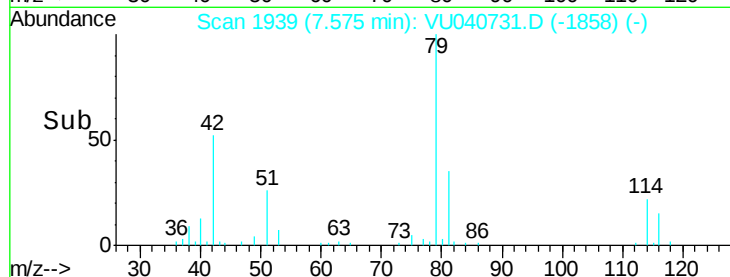
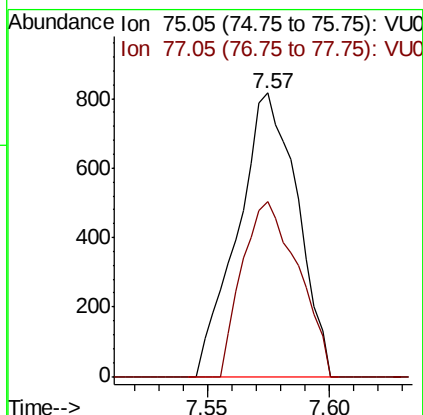
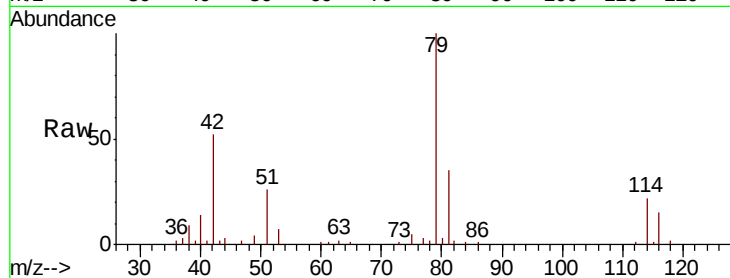


#39

cis-1,3-Dichloropropene
Concen: 0.099 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU040731.D
Acq: 15 Oct 2020 19:24

Instrument :
MSVOA_U
ClientSampleId :
BFSS5

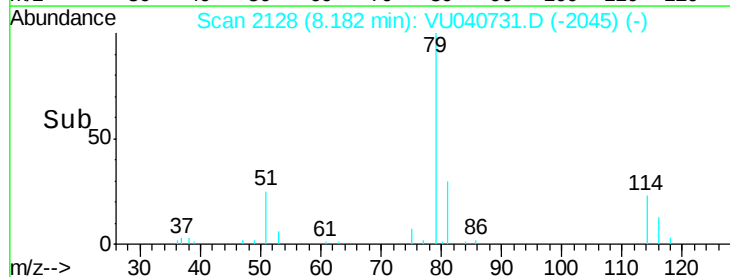
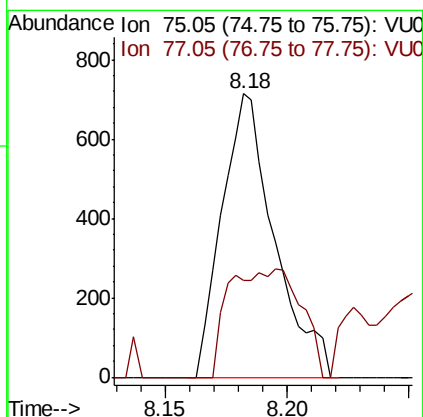
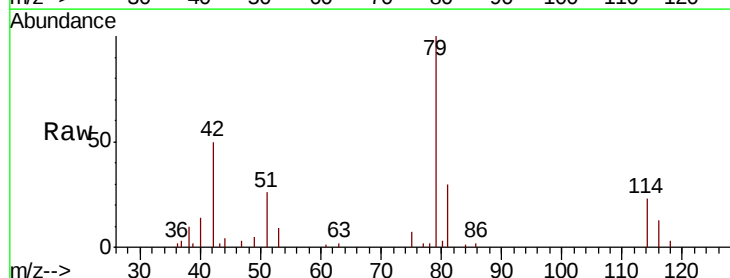
Tot Ion: 75 Resp: 1381
Ion Ratio Lower Upper
75 100
77 61.8 20.5 38.1#

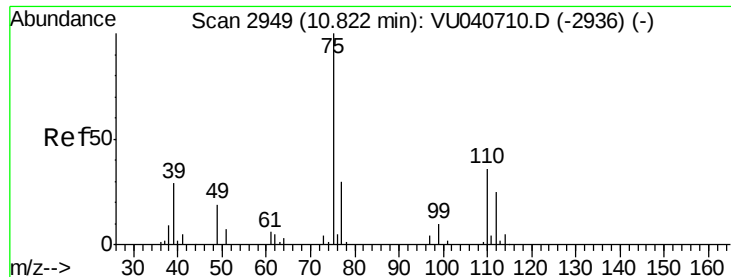


#44

trans-1,3-Dichloropropene
Concen: 0.083 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU040731.D
Acq: 15 Oct 2020 19:24

Tgt Ion: 75 Resp: 1067
Ion Ratio Lower Upper
75 100
77 34.2 20.4 38.0





#59

1,2,3-Trichloropropane

Concen: 0.854 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040731.D

Acq: 15 Oct 2020 19:24

Instrument :

MSVOA_U

ClientSampleId :

BFSS5

Tot Ion: 75 Resp: 6401

Ion Ratio Lower Upper

75 100

77 35.2 26.4 39.6

