

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052620\
 Data File : VU038306.D
 Acq On : 26 May 2020 18:56
 Operator : JC/MD
 Sample : L2766-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 27 06:56:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 06:51:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	301939	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	296028	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	147936	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	96145	3.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.60%
7) Chloroethane-d5	1.93	69	87569	3.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.40%
11) 1,1-Dichloroethene-d2	2.59	63	145104	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.66	46	355488	52.17	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.34%
24) Chloroform-d	5.10	84	206386	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.74	65	120392	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.76	84	423350	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.72	67	134479	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.92	98	384403	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	8.20	79	53500	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.65	63	280156	51.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.46%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	110766	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	152162	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

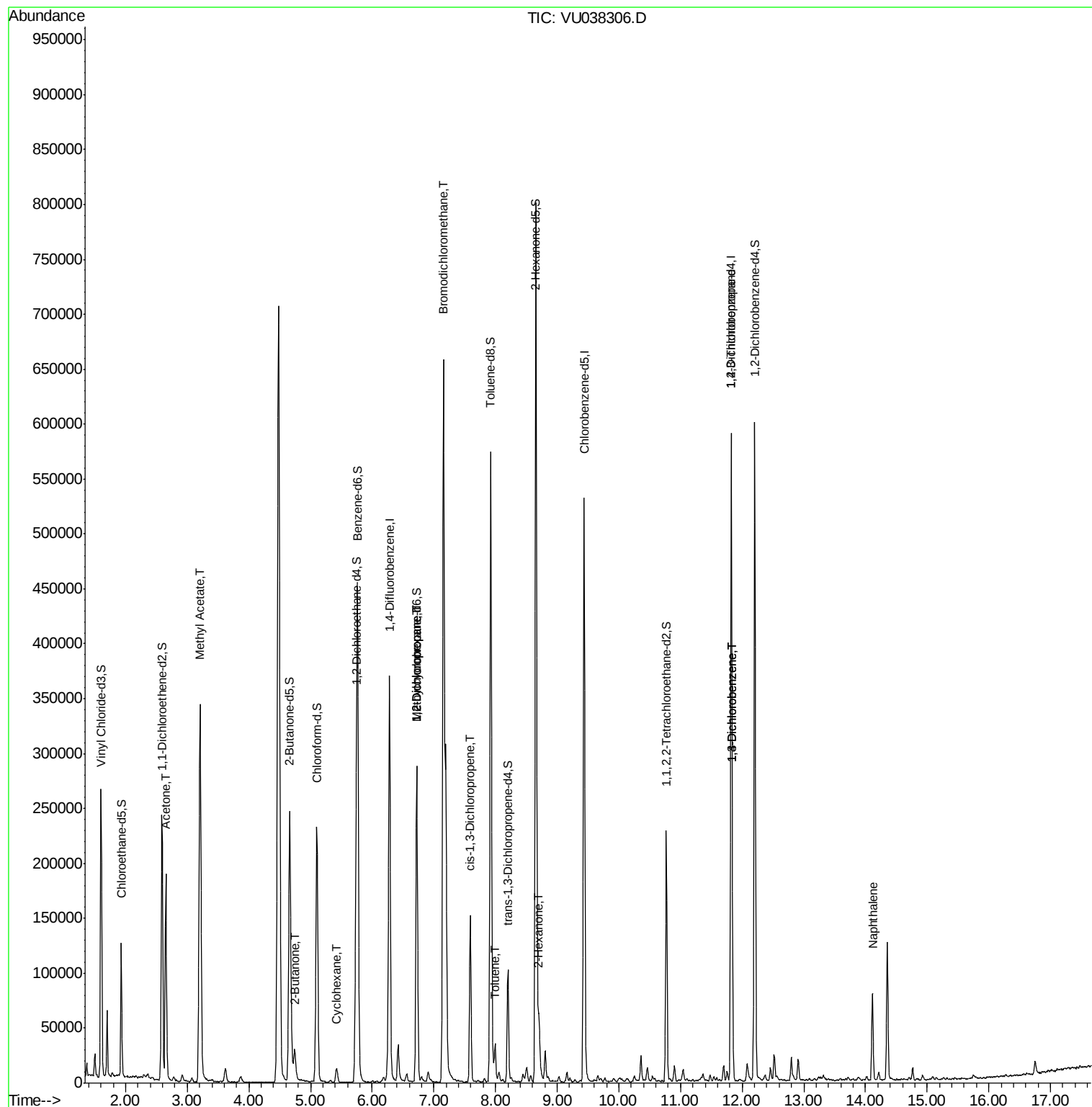
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.65	43	207537	48.545	ug/L	99
15) Methyl Acetate	3.21	43	60674	5.073	ug/L #	53
21) 2-Butanone	4.74	43	35089	4.650	ug/L	100
30) Cyclohexane	5.42	56	6449	0.161	ug/L	97
35) Methylcyclohexane	6.72	83	32098	0.836	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	14380	0.558	ug/L #	88
38) Bromodichloromethane	7.16	83	6725	0.226	ug/L #	1
39) cis-1,3-Dichloropropene	7.59	75	3650	0.099	ug/L #	83
42) Toluene	7.99	91	21981	0.220	ug/L	99
48) 2-Hexanone	8.71	43	31370	2.400	ug/L	97
59) 1,2,3-Trichloropropane	11.83	75	24419	1.413	ug/L	96
62) 1,3-Dichlorobenzene	11.85	146	12311	0.256	ug/L	93
63) 1,4-Dichlorobenzene	11.85	146	12311	0.252	ug/L	94
69) Naphthalene	14.11	128	63684	0.955	ug/L	98

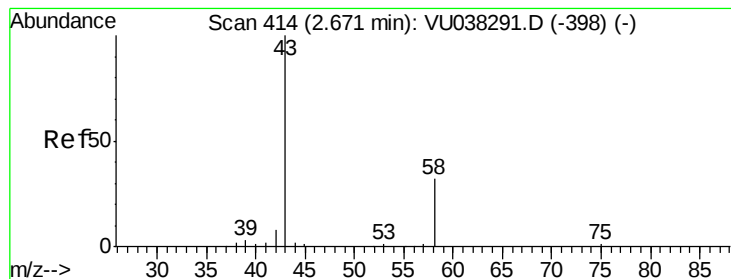
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 27 06:51:51 2020
Response via : Initial Calibration





#13

Acetone

Concen: 48.545 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.02 min

Lab File: VU038306.D

Acq: 26 May 2020 18:56

Instrument :

MSVOA_U

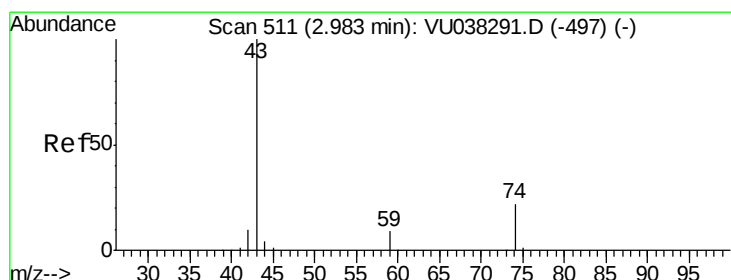
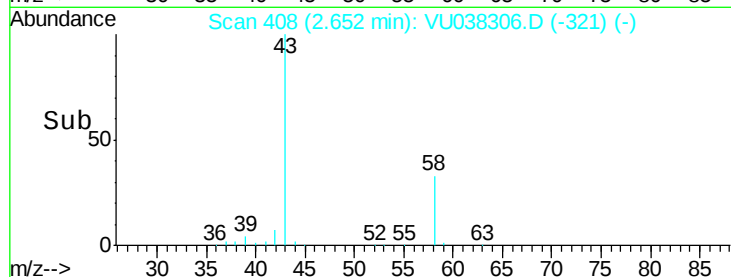
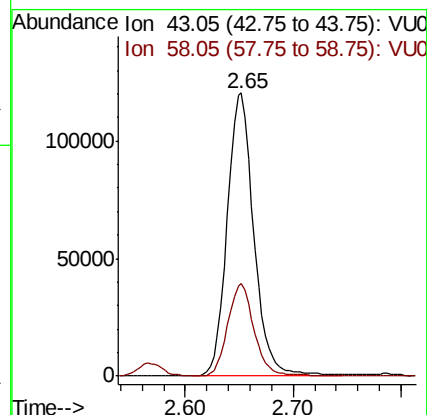
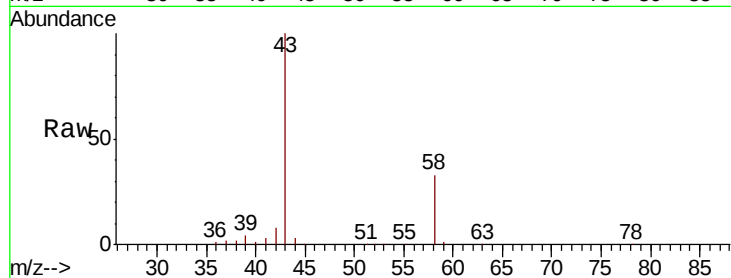
ClientSampleId :

Tot Ion: 43 Resp: 207537

Ion Ratio Lower Upper

43 100

58 31.4 0.0 63.6



#15

Methyl Acetate

Concen: 5.073 ug/L

RT: 3.21 min Scan# 581

Delta R.T. 0.23 min

Lab File: VU038306.D

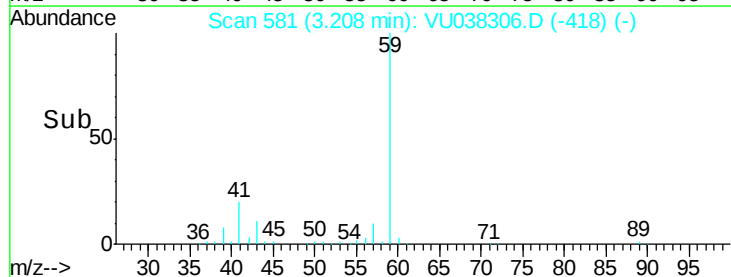
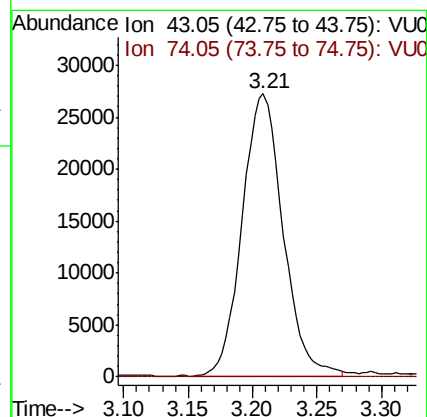
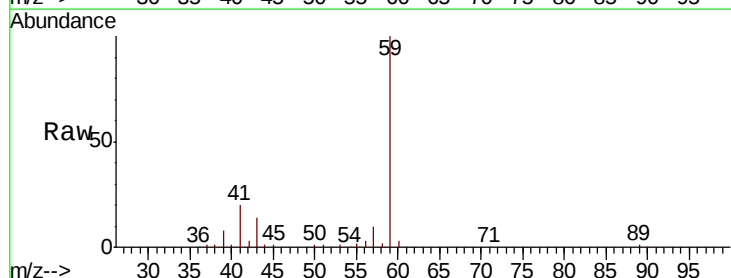
Acq: 26 May 2020 18:56

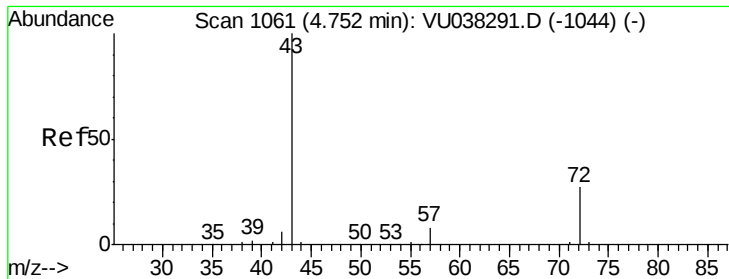
Tgt Ion: 43 Resp: 60674

Ion Ratio Lower Upper

43 100

74 0.1 18.0 27.0#





#21

2-Butanone

Concen: 4.650 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. -0.01 min

Lab File: VU038306.D

Acq: 26 May 2020 18:56

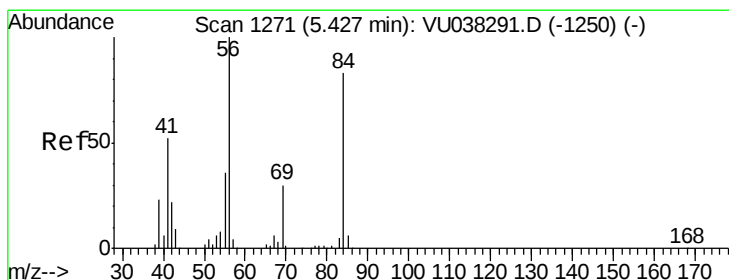
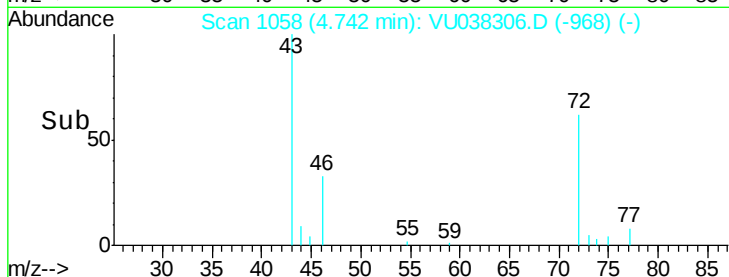
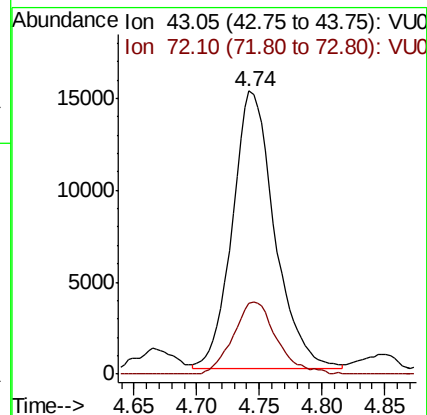
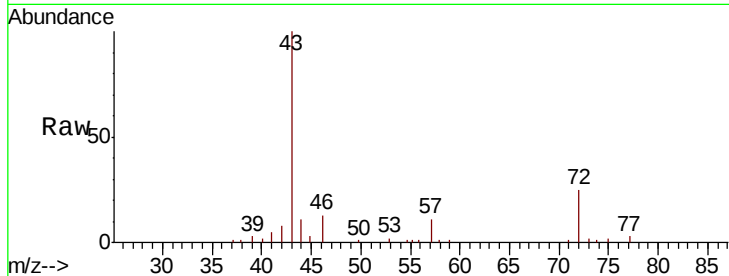
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 35089

Ion Ratio Lower Upper

43 100

72 26.9 13.5 40.4



#30

Cyclohexane

Concen: 0.161 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU038306.D

Acq: 26 May 2020 18:56

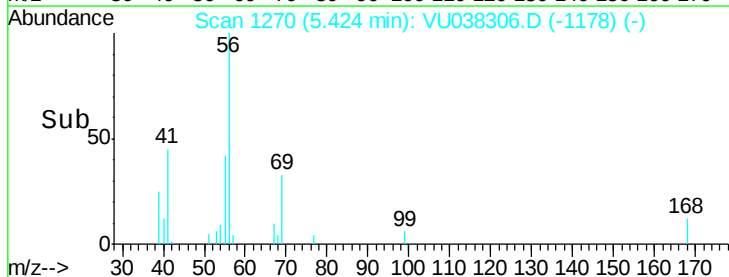
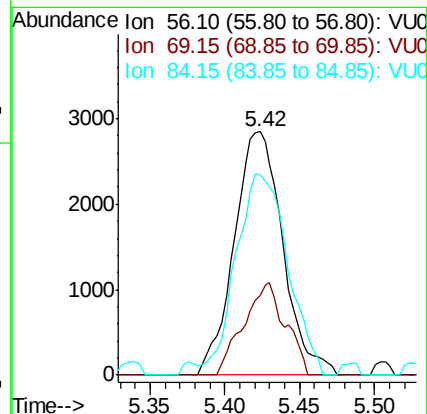
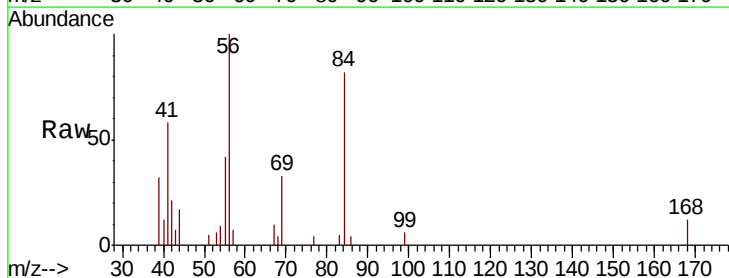
Tgt Ion: 56 Resp: 6449

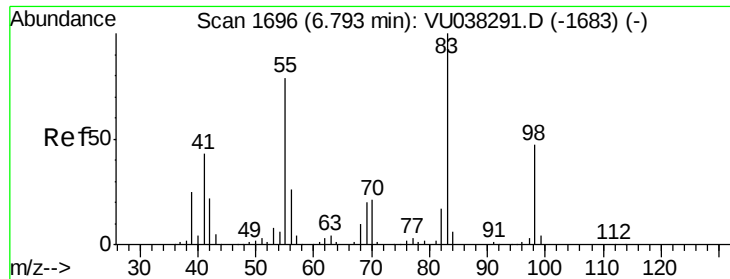
Ion Ratio Lower Upper

56 100

69 32.4 24.2 36.4

84 88.2 68.5 102.7

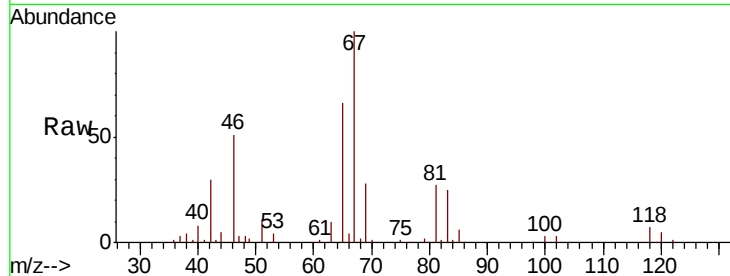




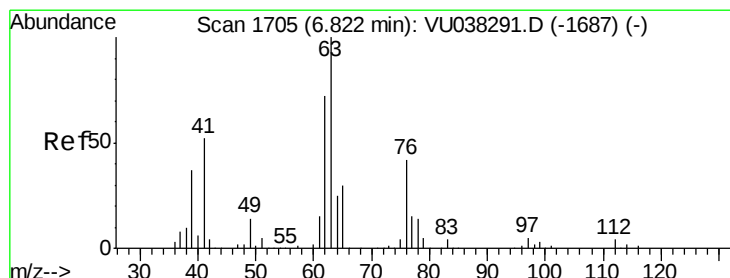
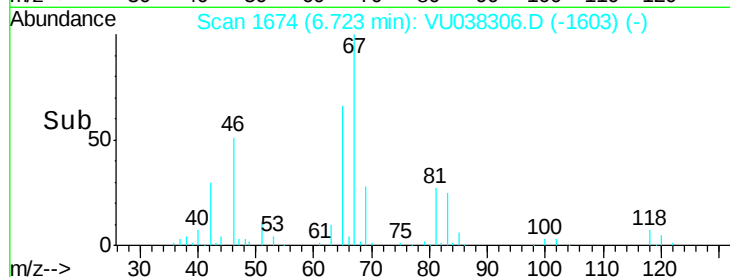
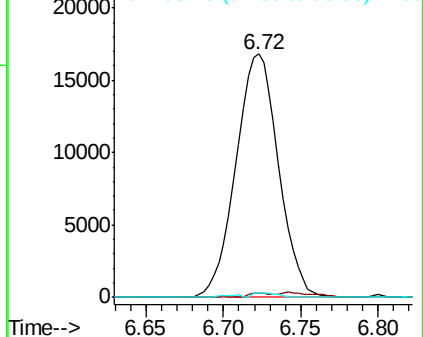
#35
Methvlcvclohexane
Concen: 0.836 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038306.D
Acq: 26 May 2020 18:56

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 32098
Ion Ratio Lower Upper
83 100
55 0.9 66.7 100.1#
98 1.0 39.4 59.2#

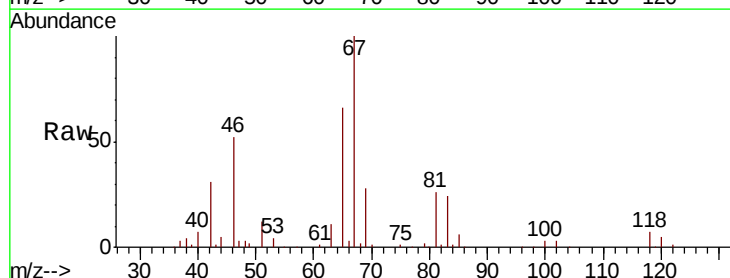


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

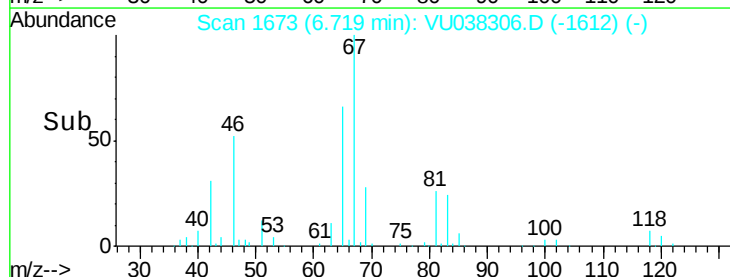
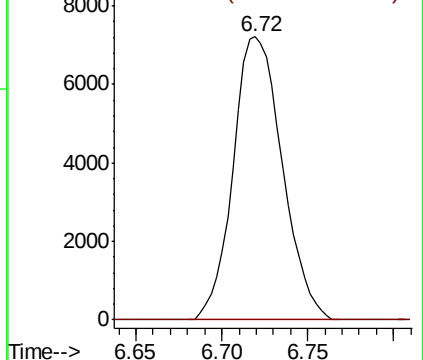


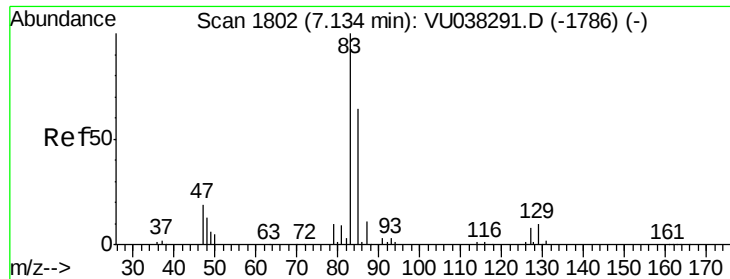
#37
1,2-Dichloropropane
Concen: 0.558 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038306.D
Acq: 26 May 2020 18:56

Tgt Ion: 63 Resp: 14380
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.226 ug/L

RT: 7.16 min Scan# 1809

Delta R.T. 0.02 min

Lab File: VU038306.D

Acq: 26 May 2020 18:56

Instrument :

MSVOA_U

ClientSampleId :

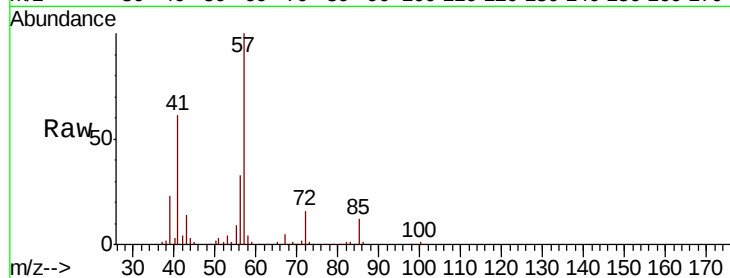
Tot Ion: 83 Resp: 6725

Ion Ratio Lower Upper

83 100

85 868.1 44.6 82.8#

127 0.0 6.4 9.6#

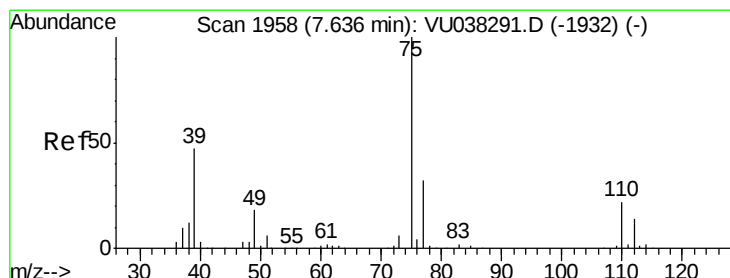
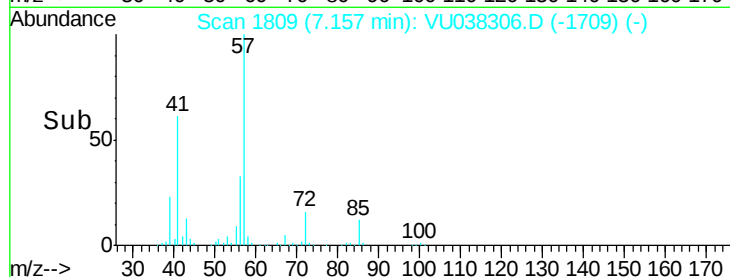


Abundance Ion 82.95 (82.65 to 83.65): VU038291.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU038291.D (-1786) (-)

Ion 126.90 (126.60 to 127.60): VU038291.D (-1786) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.099 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU038306.D

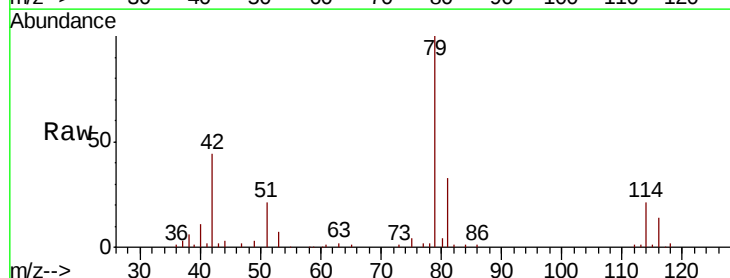
Acq: 26 May 2020 18:56

Tgt Ion: 75 Resp: 3650

Ion Ratio Lower Upper

75 100

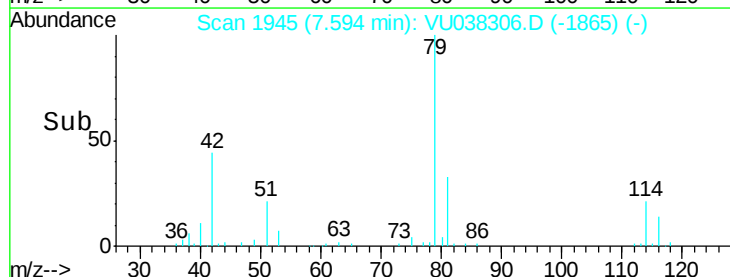
77 41.7 22.4 41.6#

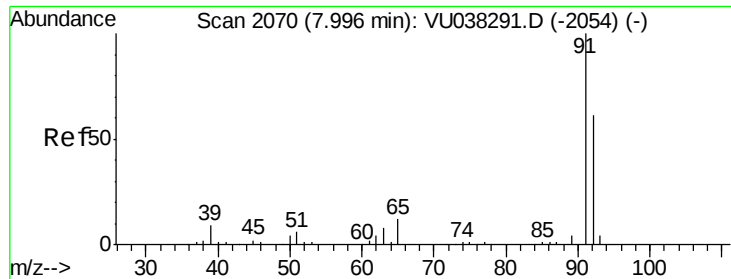


Abundance Ion 75.05 (74.75 to 75.75): VU038291.D (-1932) (-)

Ion 77.05 (76.75 to 77.75): VU038291.D (-1932) (-)

Time-->





#42

Toluene

Concen: 0.220 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038306.D

Acq: 26 May 2020 18:56

Instrument :

MSVOA_U

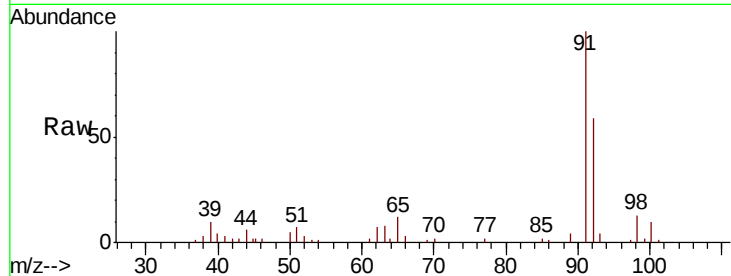
ClientSampleId :

Tot Ion: 91 Resp: 21981

Ion Ratio Lower Upper

91 100

92 59.3 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038291.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038291.D (-2054) (-)

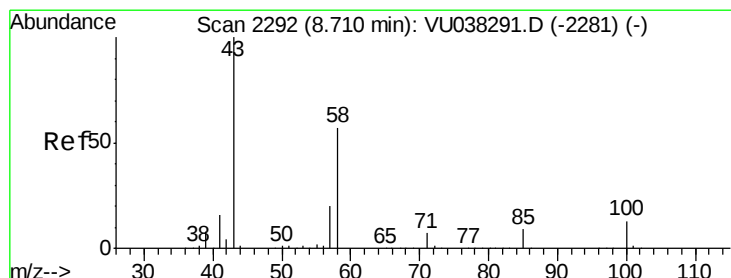
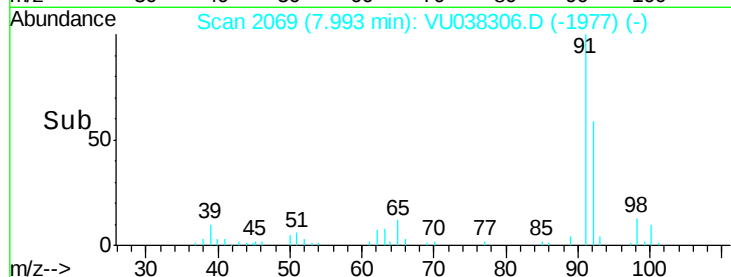
7.99

10000

5000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#48

2-Hexanone

Concen: 2.400 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038306.D

Acq: 26 May 2020 18:56

Tgt Ion: 43 Resp: 31370

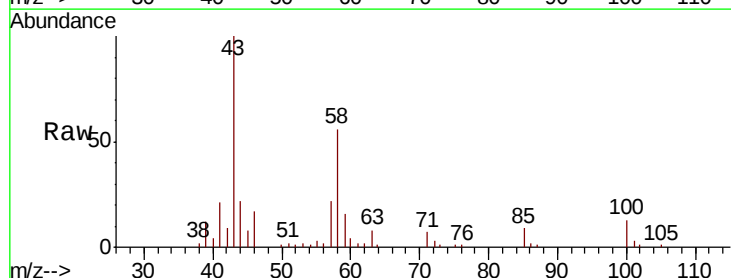
Ion Ratio Lower Upper

43 100

58 54.5 45.2 67.8

57 22.0 15.5 23.3

100 11.5 9.5 14.3



Abundance Ion 43.05 (42.75 to 43.75): VU038291.D (-2281) (-)

Ion 58.05 (57.75 to 58.75): VU038291.D (-2281) (-)

Ion 57.20 (56.90 to 57.90): VU038291.D (-2281) (-)

Ion 100.15 (99.85 to 100.85): VU038291.D (-2281) (-)

30000

25000

20000

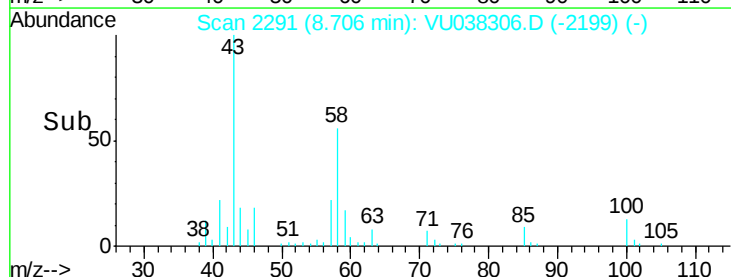
15000

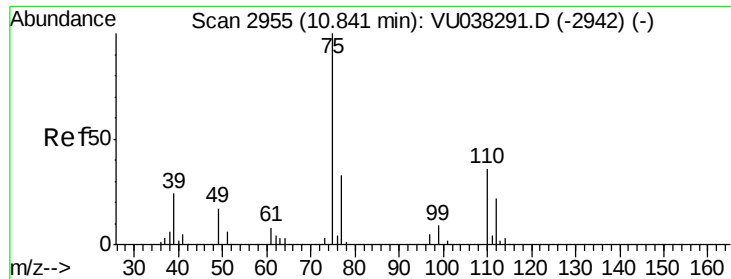
10000

5000

0

Time--> 8.65 8.70 8.75

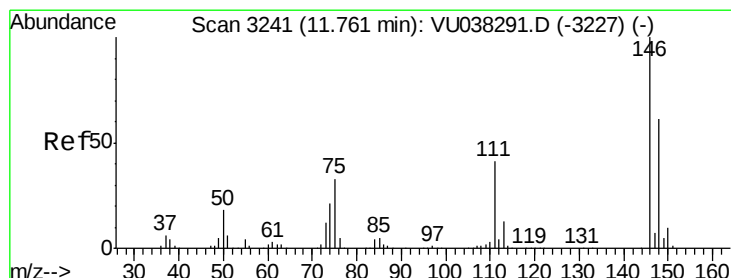
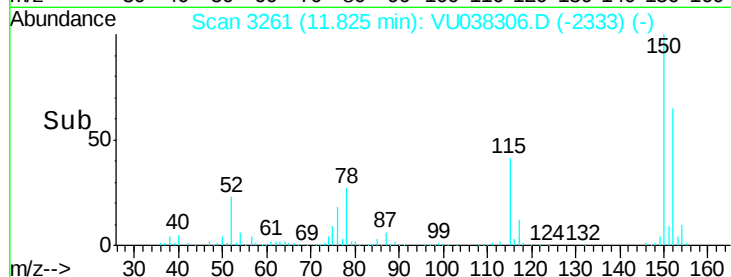
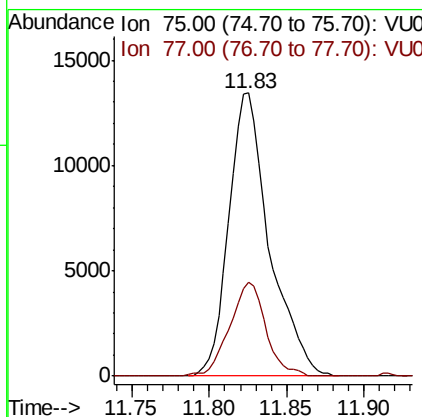
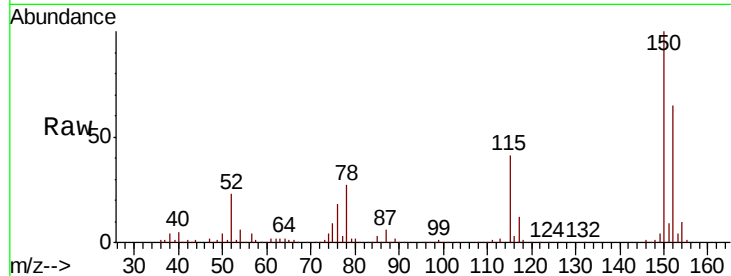




#59
 1,2,3-Trichloropropane
 Concen: 1.413 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.98 min
 Lab File: VU038306.D
 Acq: 26 May 2020 18:56

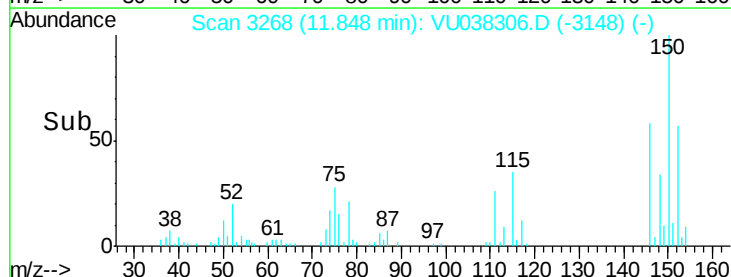
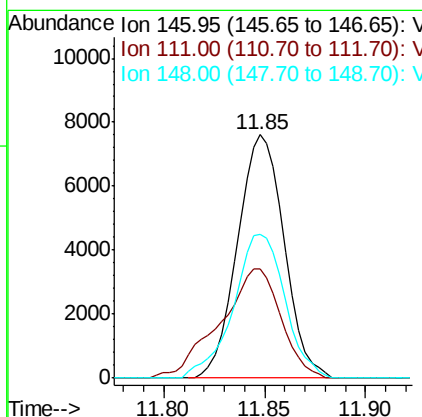
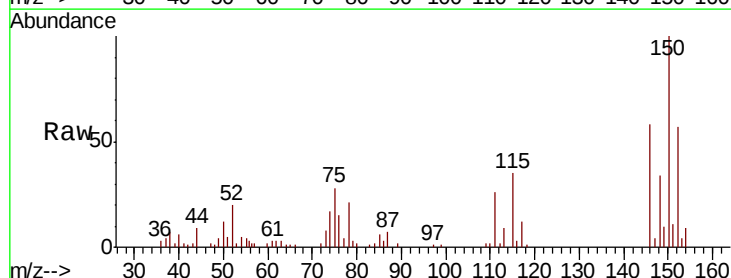
Instrument :
 MSVOA_U
 ClientSampled :

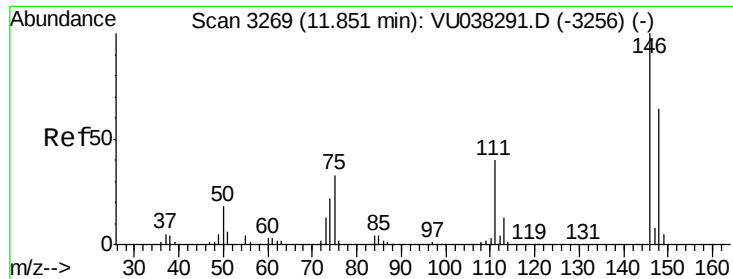
Tot Ion: 75 Resp: 24419
 Ion Ratio Lower Upper
 75 100
 77 29.6 25.4 38.0



#62
 1,3-Dichlorobenzene
 Concen: 0.256 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.09 min
 Lab File: VU038306.D
 Acq: 26 May 2020 18:56

Tgt Ion: 146 Resp: 12311
 Ion Ratio Lower Upper
 146 100
 111 44.9 28.6 53.2
 148 59.1 45.2 84.0





#63

1,4-Dichlorobenzene

Concen: 0.252 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038306.D

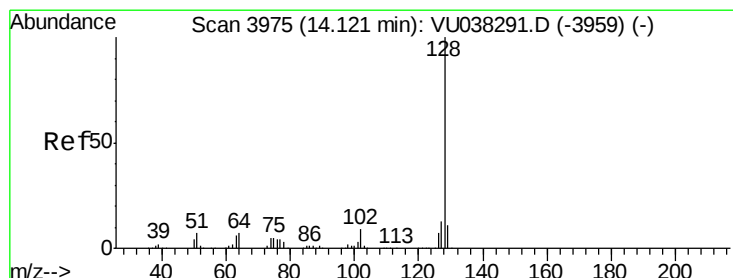
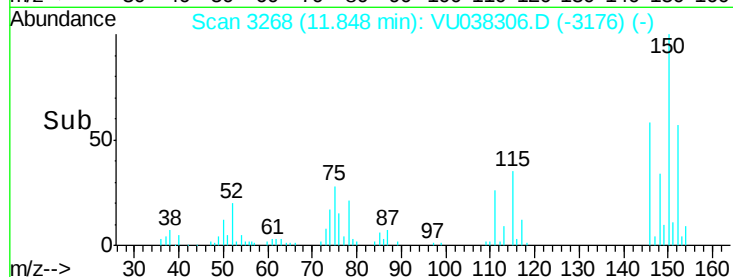
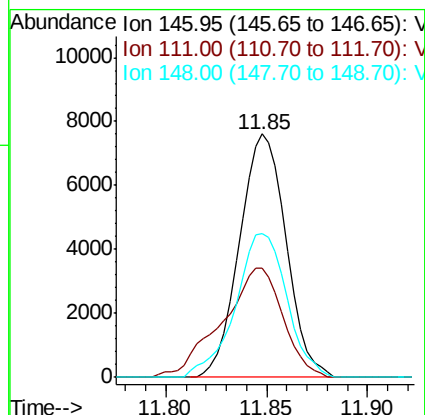
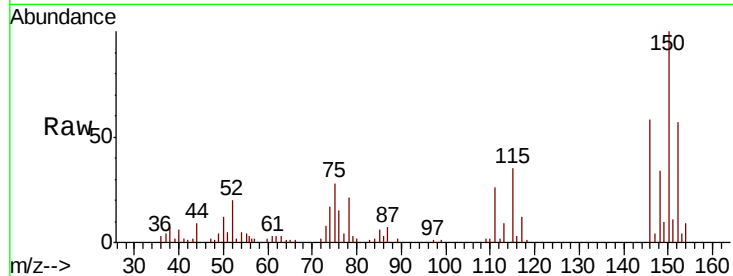
Acq: 26 May 2020 18:56

Instrument :

MSVOA_U

ClientSampled :

Tot Ion:146	Resp:	12311
Ion Ratio	Lower	Upper
146	100	
111	44.9	27.2 50.6
148	59.1	43.8 81.3



#69

Naphthalene

Concen: 0.955 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VU038306.D

Acq: 26 May 2020 18:56

Tgt Ion:128	Resp:	63684
Ion Ratio	Lower	Upper
128	100	
129	9.9	8.7 13.1
127	12.4	10.2 15.4

