

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052620\
 Data File : VU038297.D
 Acq On : 26 May 2020 15:27
 Operator : JC/MD
 Sample : L2749-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 27 06:54:49 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	327933	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	314556	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	157291	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	97500	3.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.00%
7) Chloroethane-d5	1.93	69	88756	3.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.40%
11) 1,1-Dichloroethene-d2	2.59	63	146124	2.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.20%#
20) 2-Butanone-d5	4.66	46	348251	47.06	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.12%
24) Chloroform-d	5.10	84	204566	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.74	65	115465	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.76	84	423556	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.72	67	133221	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.60%
41) Toluene-d8	7.92	98	377048	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	8.20	79	54137	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.65	63	281688	48.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.90%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108954	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	146957	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

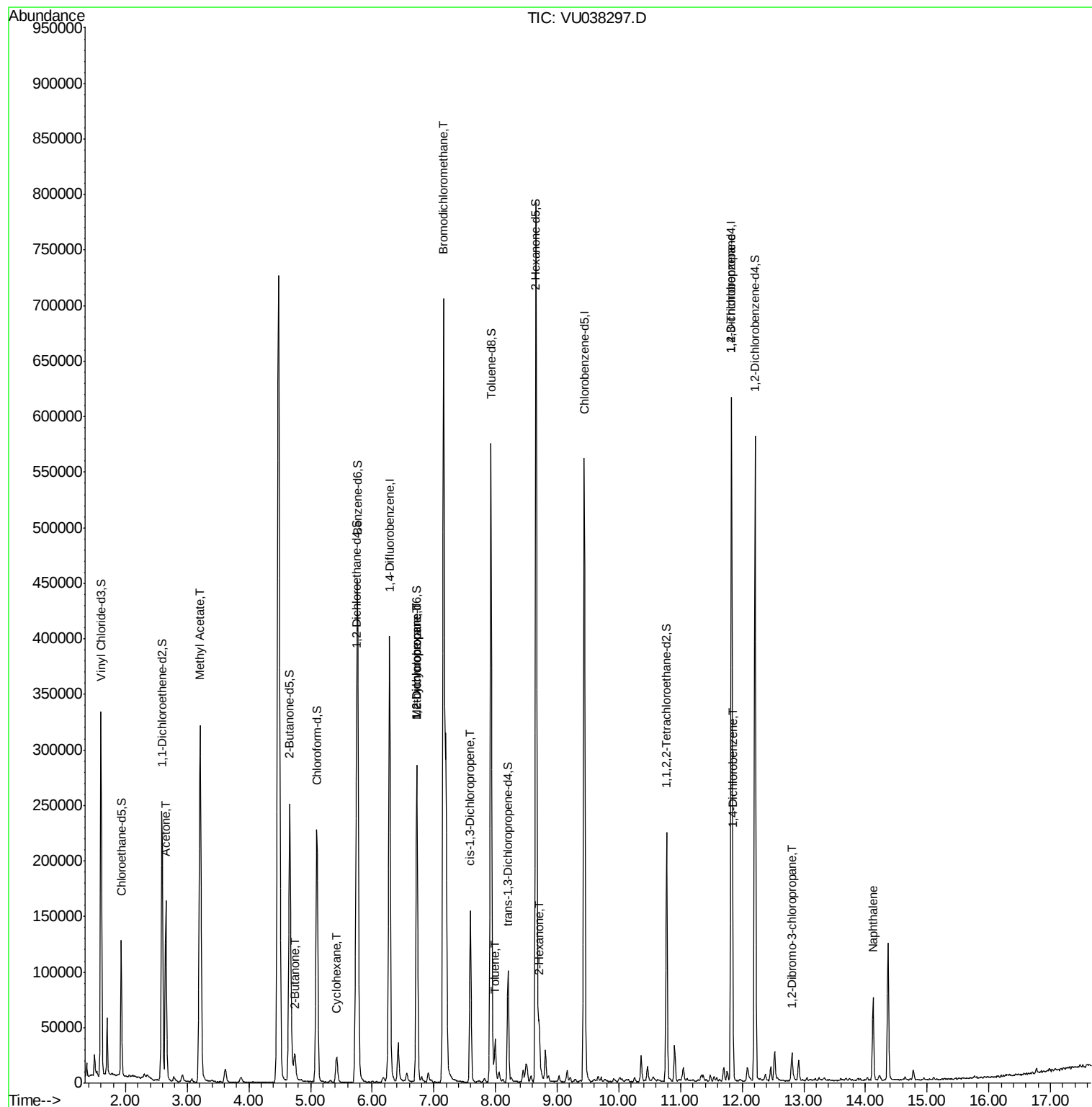
					Ovalue
13) Acetone	2.65	43	180857	38.951	ug/L 100
15) Methyl Acetate	3.21	43	55283	4.256	ug/L # 53
21) 2-Butanone	4.75	43	32576	3.975	ug/L 99
30) Cyclohexane	5.42	56	11703	0.275	ug/L 97
35) Methylcyclohexane	6.72	83	31581	0.774	ug/L # 18
37) 1,2-Dichloropropane	6.72	63	15441	0.564	ug/L # 88
38) Bromodichloromethane	7.15	83	6615	0.209	ug/L # 1
39) cis-1,3-Dichloropropene	7.59	75	4339	0.111	ug/L # 60
42) Toluene	8.00	91	24653	0.232	ug/L 99
48) 2-Hexanone	8.71	43	28006	2.017	ug/L 95
59) 1,2,3-Trichloropropane	11.83	75	24171	1.316	ug/L 98
63) 1,4-Dichlorobenzene	11.85	146	12272	0.237	ug/L 98
66) 1,2-Dibromo-3-chloropropan	12.80	75	710	0.176	ug/L # 8
69) Naphthalene	14.12	128	58803	0.829	ug/L 98

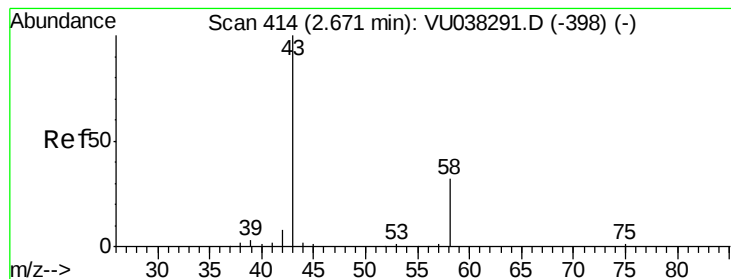
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\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





#13

Acetone

Concen: 38.951 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.02 min

Lab File: VU038297.D

Acq: 26 May 2020 15:27

Instrument :

MSVOA_U

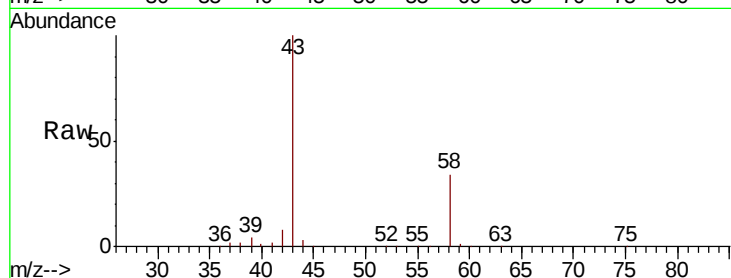
ClientSampled :

Tot Ion: 43 Resp: 180857

Ion Ratio Lower Upper

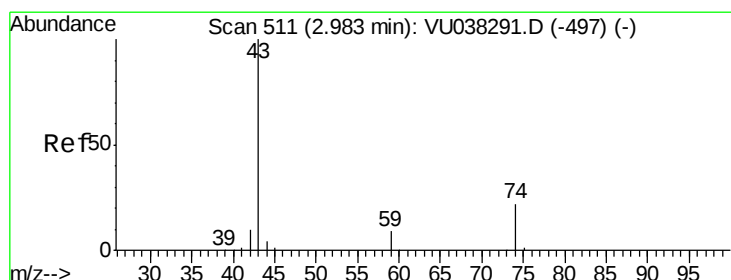
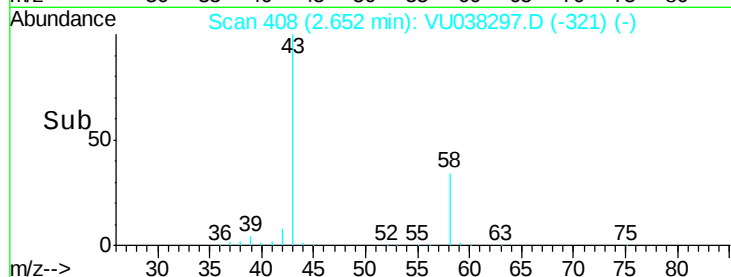
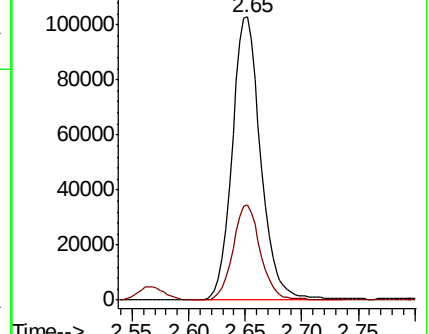
43 100

58 31.9 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038297.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU038297.D (-321) (-)



#15

Methyl Acetate

Concen: 4.256 ug/L

RT: 3.21 min Scan# 581

Delta R.T. 0.23 min

Lab File: VU038297.D

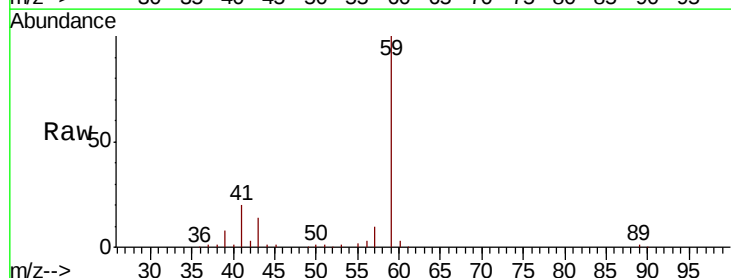
Acq: 26 May 2020 15:27

Tgt Ion: 43 Resp: 55283

Ion Ratio Lower Upper

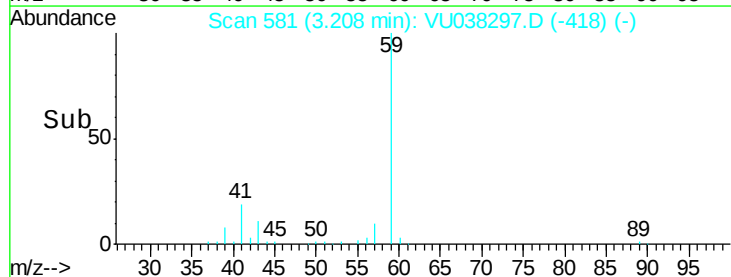
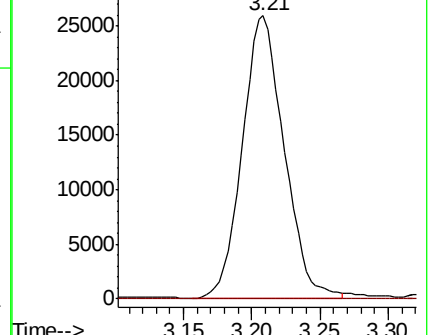
43 100

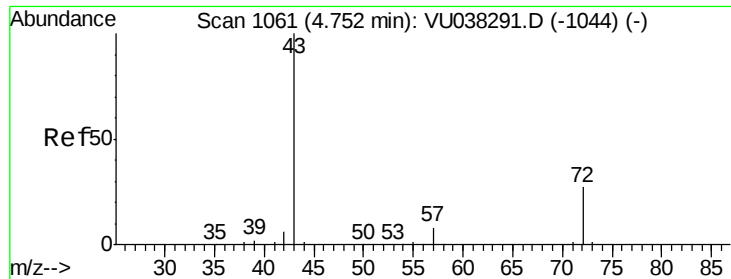
74 0.1 18.0 27.0#



Abundance Ion 43.05 (42.75 to 43.75): VU038297.D (-418) (-)

Ion 74.05 (73.75 to 74.75): VU038297.D (-418) (-)





#21

2-Butanone

Concen: 3.975 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. -0.01 min

Lab File: VU038297.D

Acq: 26 May 2020 15:27

Instrument :

MSVOA_U

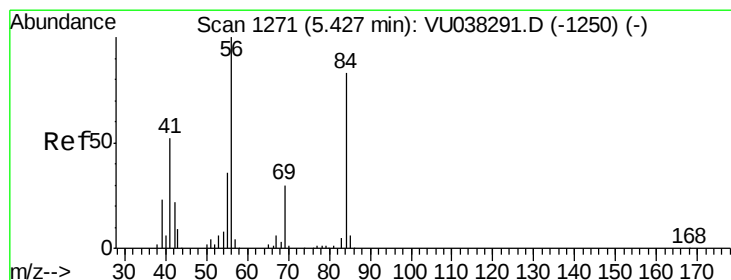
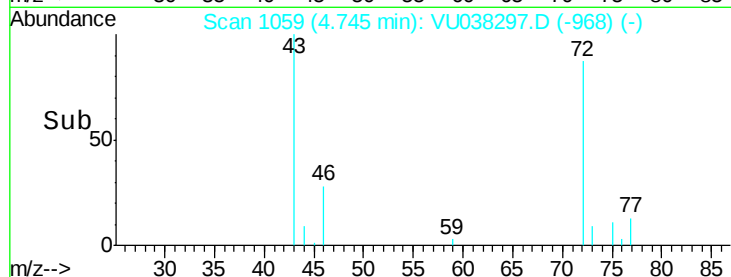
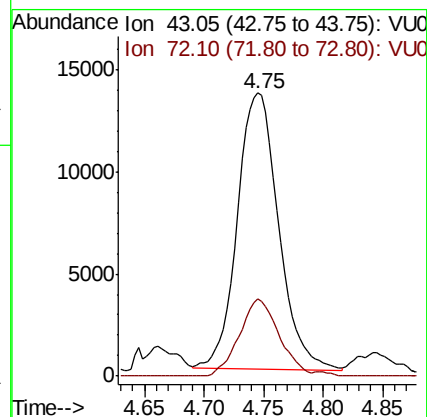
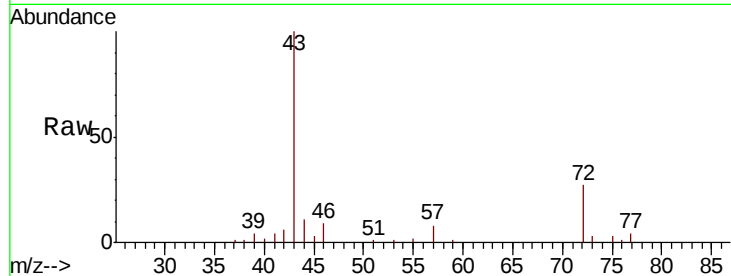
ClientSampleId :

Tot Ion: 43 Resp: 32576

Ion Ratio Lower Upper

43 100

72 26.6 13.5 40.4



#30

Cyclohexane

Concen: 0.275 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU038297.D

Acq: 26 May 2020 15:27

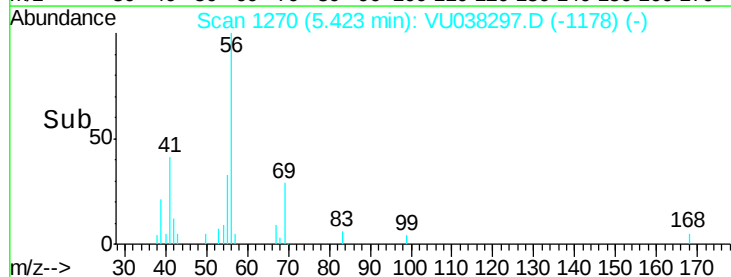
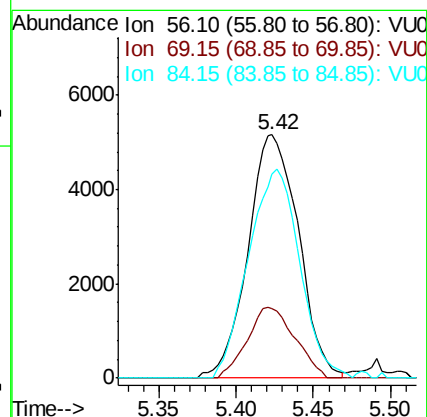
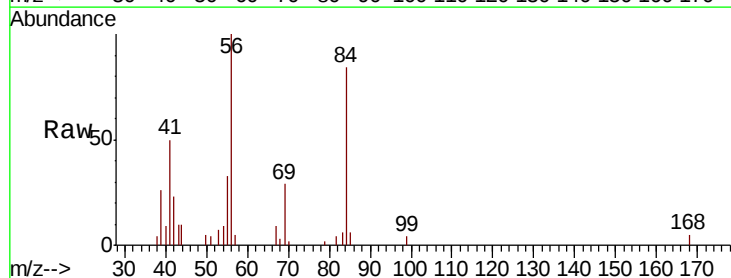
Tgt Ion: 56 Resp: 11703

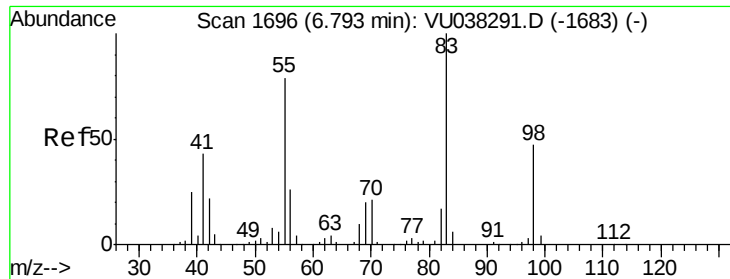
Ion Ratio Lower Upper

56 100

69 27.5 24.2 36.4

84 87.3 68.5 102.7

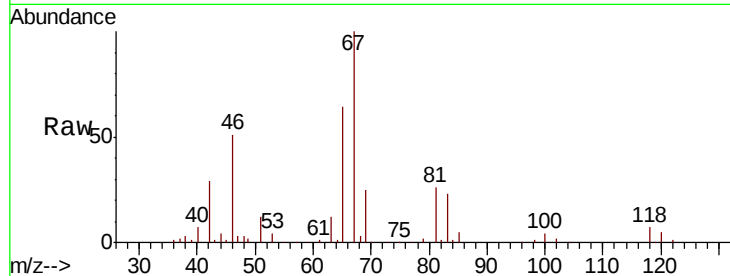




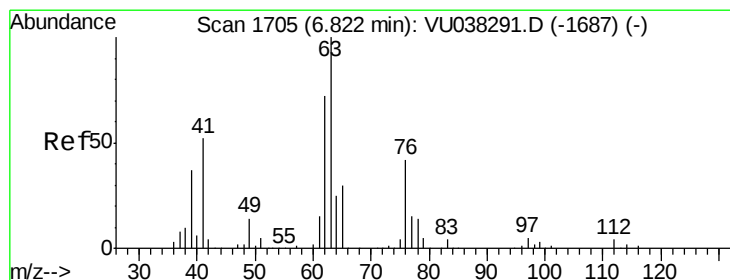
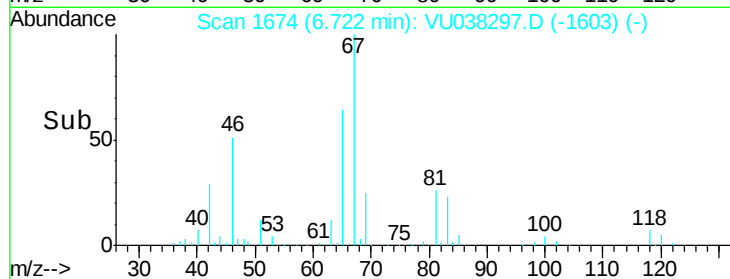
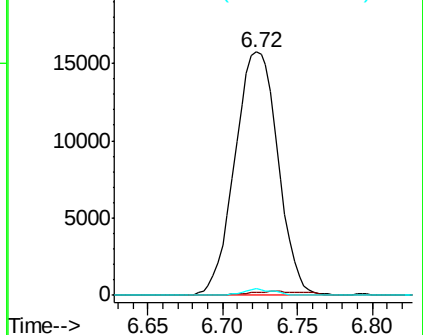
#35
Methvlcvclohexane
Concen: 0.774 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038297.D
Acq: 26 May 2020 15:27

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 31581
Ion Ratio Lower Upper
83 100
55 2.2 66.7 100.1#
98 1.9 39.4 59.2#

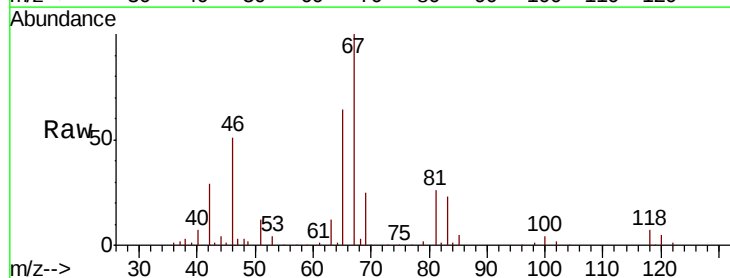


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

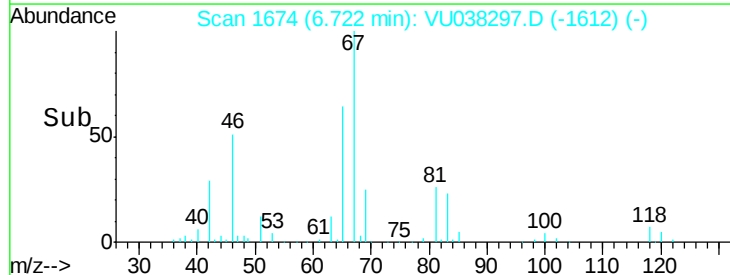
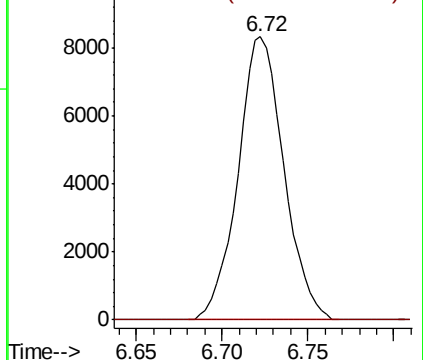


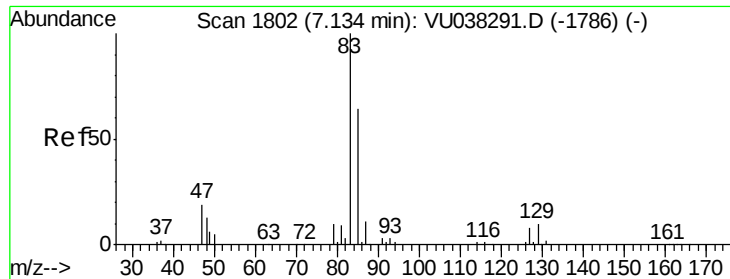
#37
1,2-Dichloropropane
Concen: 0.564 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038297.D
Acq: 26 May 2020 15:27

Tgt Ion: 63 Resp: 15441
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: 0.209 ug/L

RT: 7.15 min Scan# 1808

Delta R.T. 0.02 min

Lab File: VU038297.D

Acq: 26 May 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

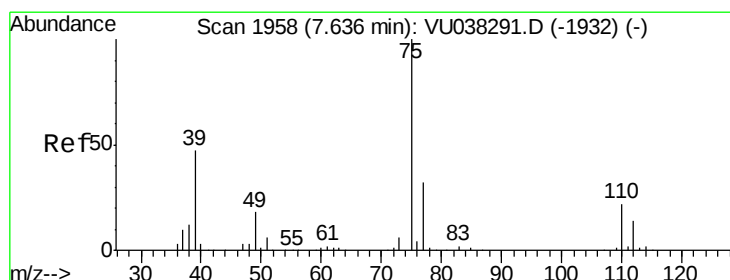
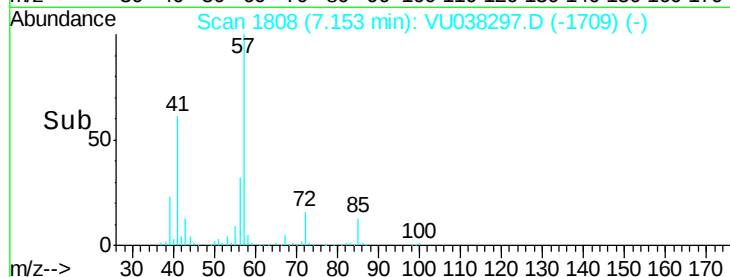
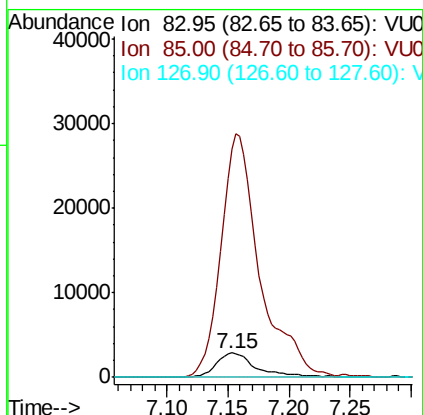
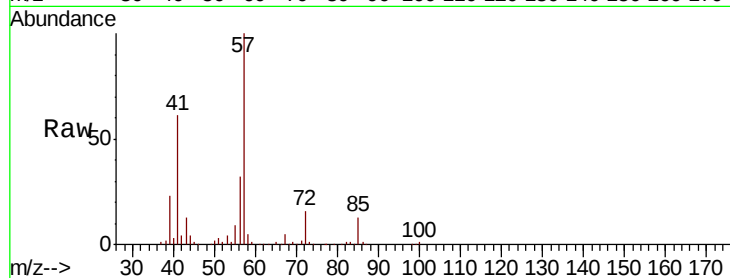
Tot Ion: 83 Resp: 6615

Ion Ratio Lower Upper

83 100

85 940.6 44.6 82.8#

127 0.0 6.4 9.6#



#39

cis-1,3-Dichloropropene

Concen: 0.111 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU038297.D

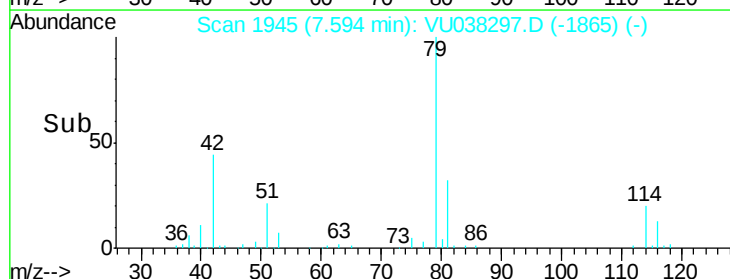
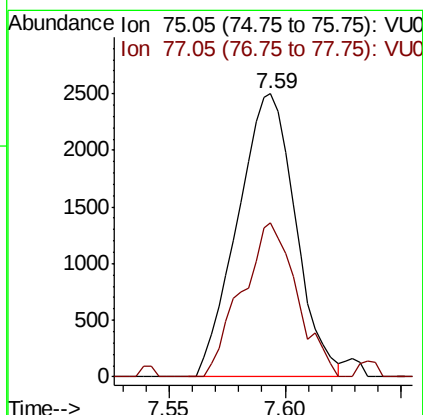
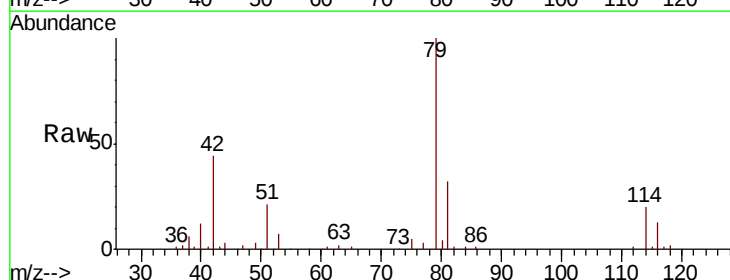
Acq: 26 May 2020 15:27

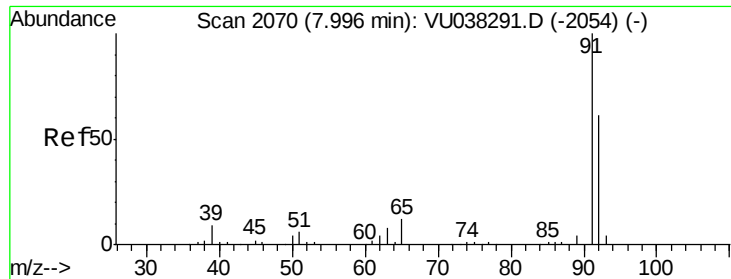
Tgt Ion: 75 Resp: 4339

Ion Ratio Lower Upper

75 100

77 54.2 22.4 41.6#





#42

Toluene

Concen: 0.232 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU038297.D

Acq: 26 May 2020 15:27

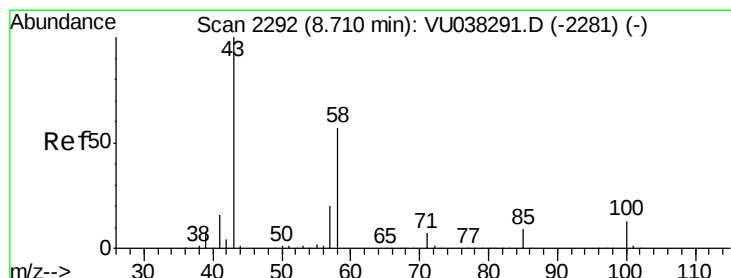
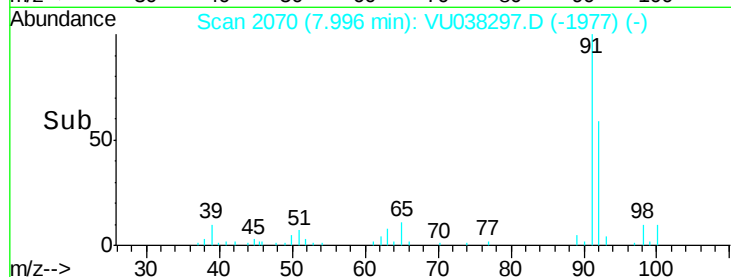
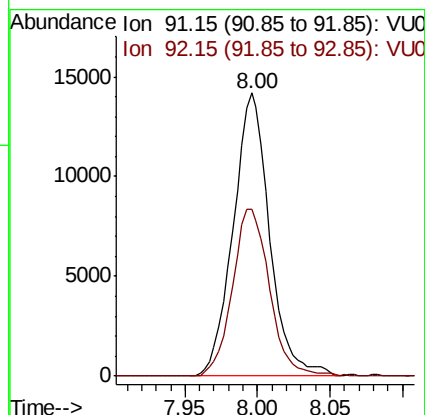
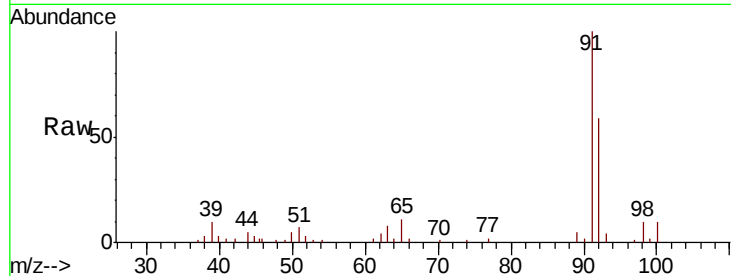
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 24653

Ion Ratio Lower Upper

91 100

92 59.1 40.9 75.9



#48

2-Hexanone

Concen: 2.017 ug/L

RT: 8.71 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU038297.D

Acq: 26 May 2020 15:27

Tgt Ion: 43 Resp: 28006

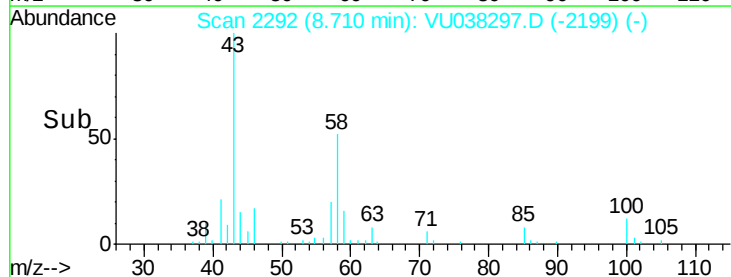
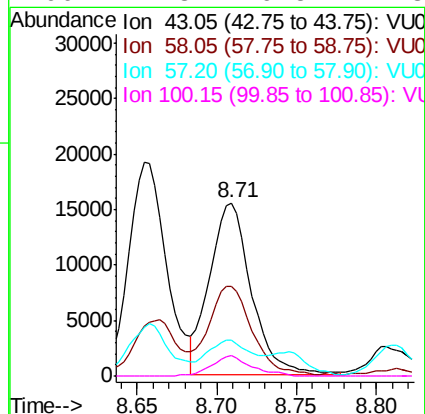
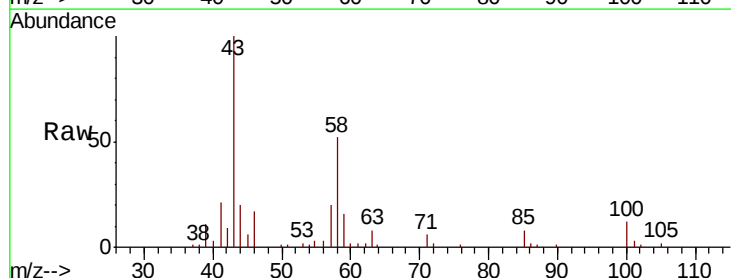
Ion Ratio Lower Upper

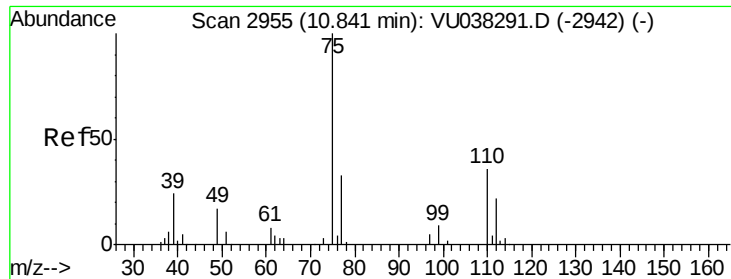
43 100

58 53.0 45.2 67.8

57 22.8 15.5 23.3

100 11.3 9.5 14.3

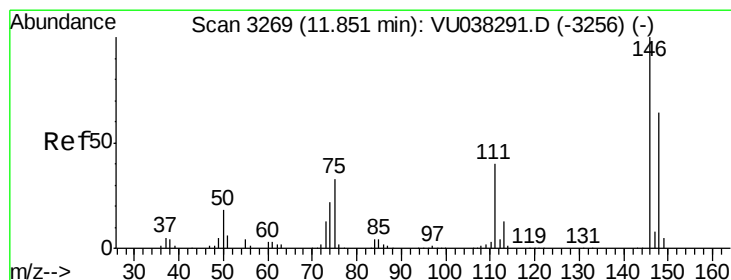
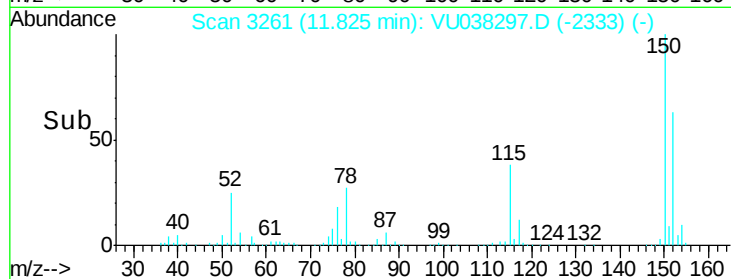
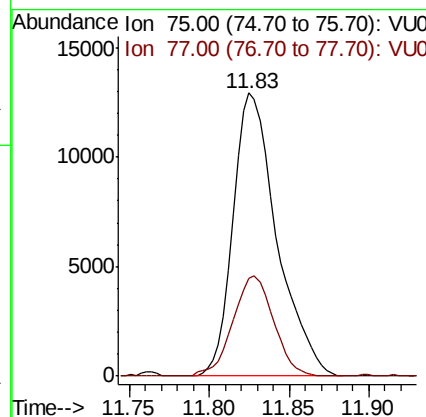
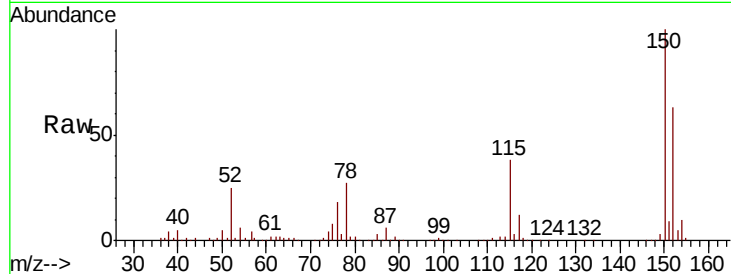




#59
 1,2,3-Trichloropropane
 Concen: 1.316 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.98 min
 Lab File: VU038297.D
 Acq: 26 May 2020 15:27

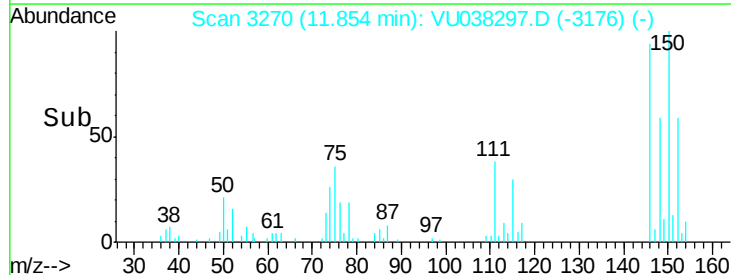
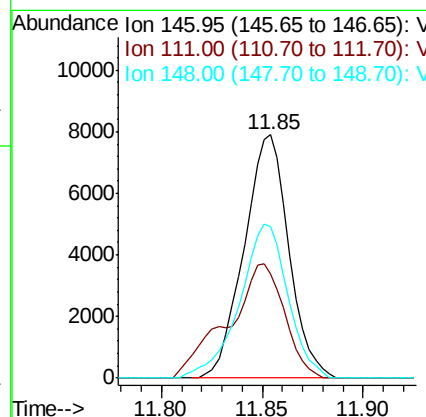
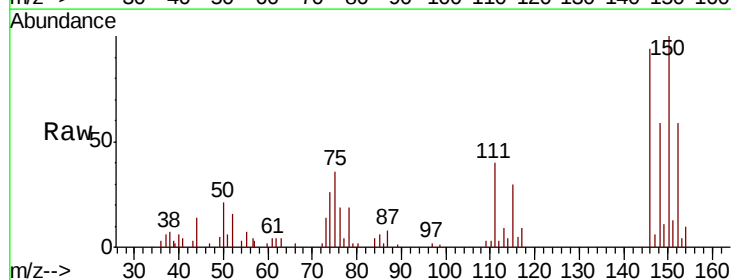
Instrument :
 MSVOA_U
 ClientSampled :

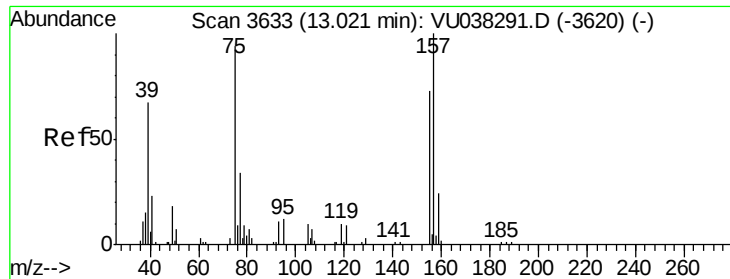
Tot Ion: 75 Resp: 24171
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.4 38.0



#63
 1,4-Dichlorobenzene
 Concen: 0.237 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU038297.D
 Acq: 26 May 2020 15:27

Tgt Ion: 146 Resp: 12272
 Ion Ratio Lower Upper
 146 100
 111 42.5 27.2 50.6
 148 62.4 43.8 81.3





#66

1,2-Dibromo-3-chloropropane

Concen: 0.176 ug/L

RT: 12.80 min Scan# 3565

Delta R.T. -0.22 min

Lab File: VU038297.D

Acq: 26 May 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

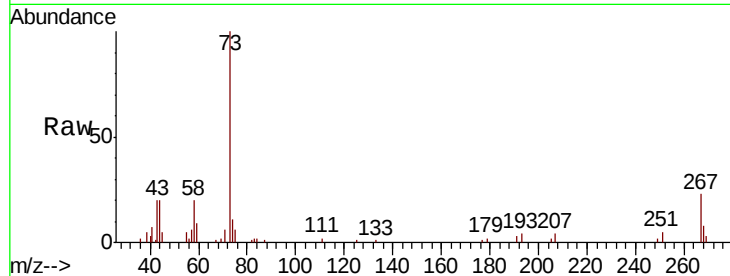
Tot Ion: 75 Resp: 710

Ion Ratio Lower Upper

75 100

155 0.0 58.2 87.2#

157 0.0 72.9 109.3#



Abundance Ion 75.05 (74.75 to 75.75): VU038297.D (-3540) (-)

Ion 154.95 (154.65 to 155.65): VU038297.D (-3540) (-)

Ion 156.90 (156.60 to 157.60): VU038297.D (-3540) (-)

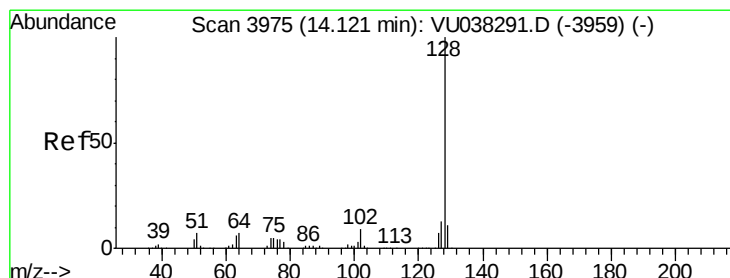
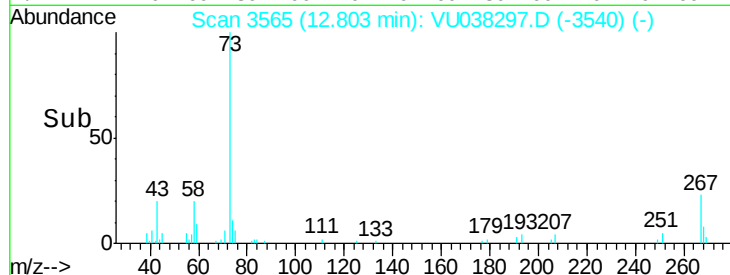
12.80

400

200

0

Time-->



#69

Naphthalene

Concen: 0.829 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VU038297.D

Acq: 26 May 2020 15:27

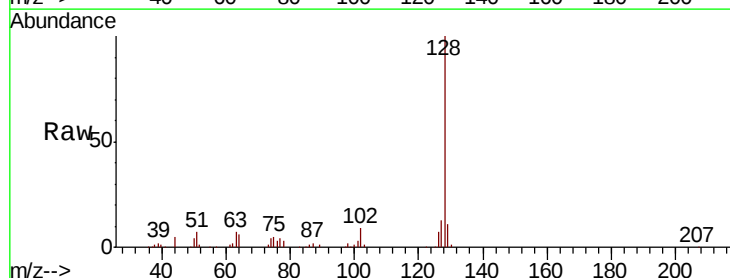
Tgt Ion: 128 Resp: 58803

Ion Ratio Lower Upper

128 100

129 10.4 8.7 13.1

127 13.6 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): VU038297.D (-3353) (-)

Ion 129.00 (128.70 to 129.70): VU038297.D (-3353) (-)

Ion 127.00 (126.70 to 127.70): VU038297.D (-3353) (-)

14.12

40000

30000

20000

10000

0

Time-->

