

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052120\
 Data File : VU038263.D
 Acq On : 21 May 2020 14:44
 Operator : JC/MD
 Sample : L2724-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 21 16:07:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 21 16:00:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	357384	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	352881	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	166522	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	102558	3.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.80%
7) Chloroethane-d5	1.93	69	112059	3.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.20%
11) 1,1-Dichloroethene-d2	2.59	63	151527	2.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.40%#
20) 2-Butanone-d5	4.67	46	483766	59.98	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.96%
24) Chloroform-d	5.10	84	230373	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.74	65	140889	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.76	84	482773	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.72	67	160330	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.92	98	415822	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	8.20	79	57105	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.65	63	389846	60.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.78%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	134466	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	158357	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

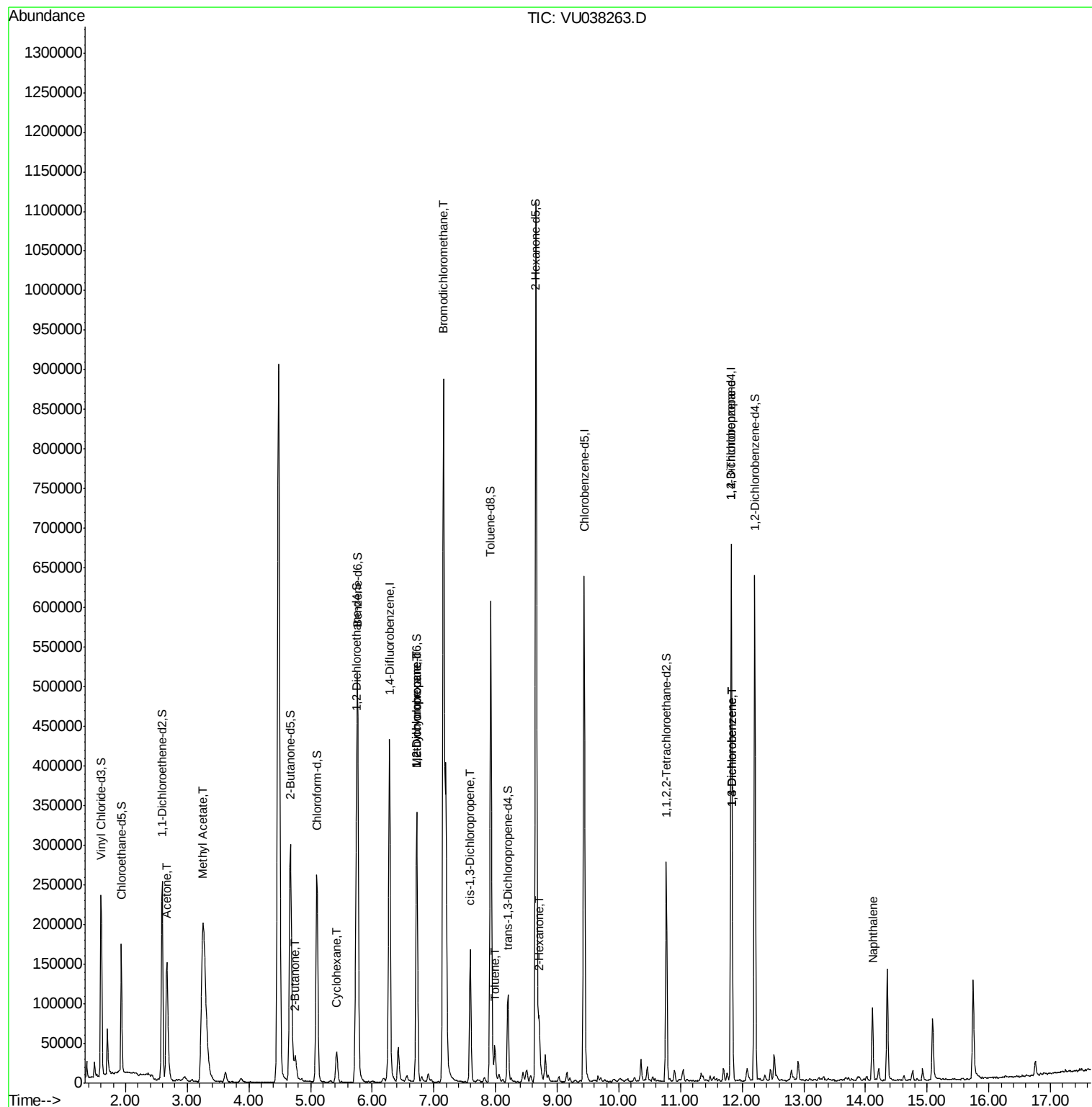
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.67	43	235025	46.446	ug/L	100
15) Methyl Acetate	3.25	43	50022	3.534	ug/L #	54
21) 2-Butanone	4.75	43	39769	4.453	ug/L	100
30) Cyclohexane	5.42	56	18840	0.395	ug/L	95
35) Methylcyclohexane	6.72	83	36595	0.799	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	16579	0.540	ug/L #	89
38) Bromodichloromethane	7.16	83	8766	0.247	ug/L #	1
39) cis-1,3-Dichloropropene	7.59	75	3601	0.082	ug/L #	66
42) Toluene	7.99	91	29986	0.251	ug/L	97
48) 2-Hexanone	8.71	43	46035	2.955	ug/L	98
59) 1,2,3-Trichloropropane	11.83	75	26378	1.280	ug/L	95
62) 1,3-Dichlorobenzene	11.85	146	13530	0.250	ug/L	92
63) 1,4-Dichlorobenzene	11.85	146	13530	0.246	ug/L	89
69) Naphthalene	14.11	128	73552	0.980	ug/L	99

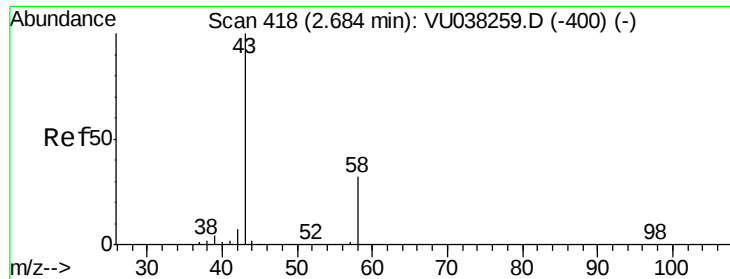
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 21 16:00:07 2020
Response via : Initial Calibration





#13

Acetone

Concen: 46.446 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.02 min

Lab File: VU038263.D

Acq: 21 May 2020 14:44

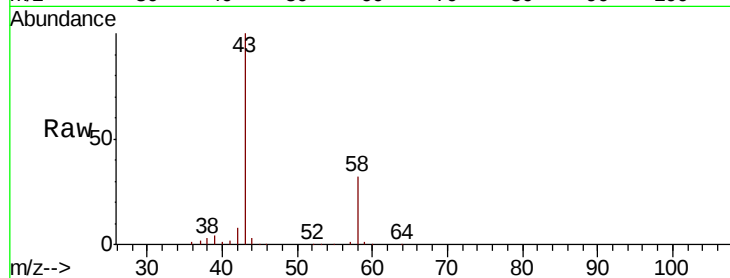
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 235025

Ion Ratio Lower Upper

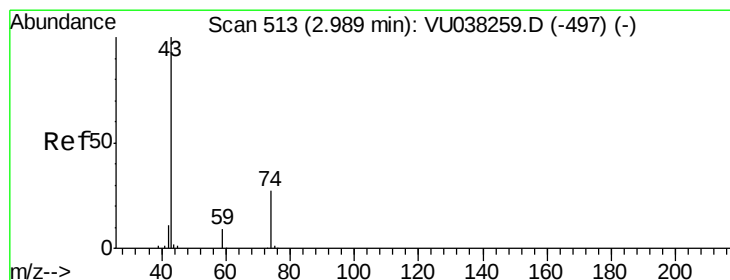
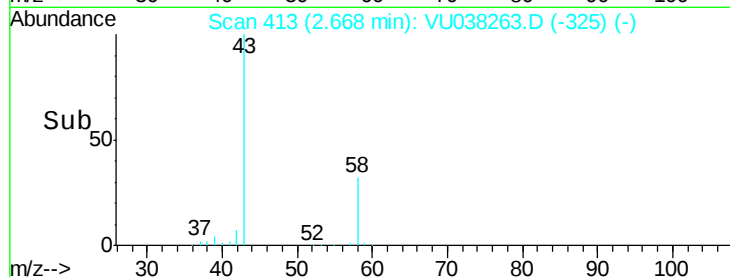
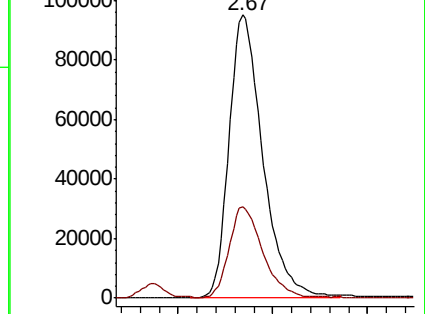
43 100

58 31.8 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038259.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038259.D (-400) (-)



#15

Methyl Acetate

Concen: 3.534 ug/L

RT: 3.25 min Scan# 595

Delta R.T. 0.26 min

Lab File: VU038263.D

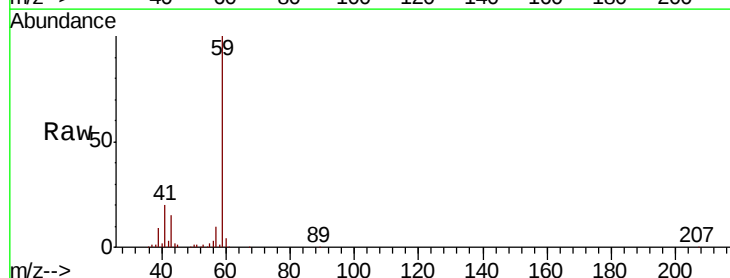
Acq: 21 May 2020 14:44

Tgt Ion: 43 Resp: 50022

Ion Ratio Lower Upper

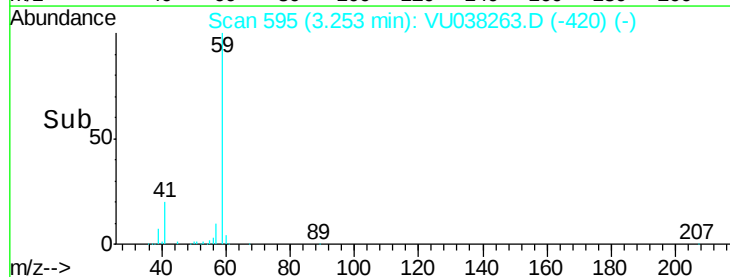
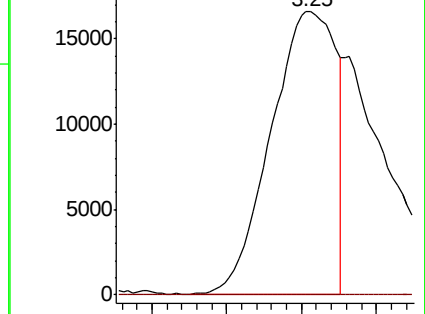
43 100

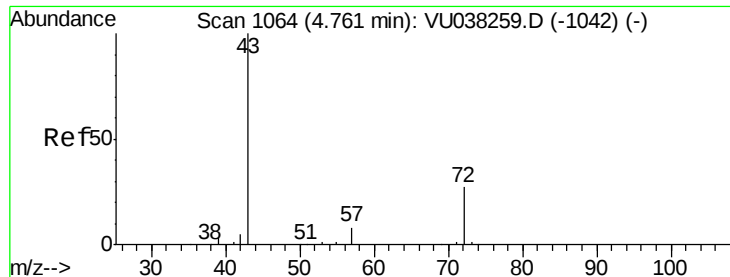
74 0.2 18.0 27.0#



Abundance Ion 43.05 (42.75 to 43.75): VU038259.D (-497) (-)

Ion 74.05 (73.75 to 74.75): VU038259.D (-497) (-)





#21

2-Butanone

Concen: 4.453 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VU038263.D

Acq: 21 May 2020 14:44

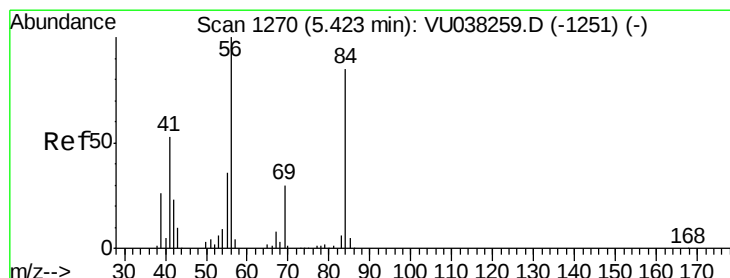
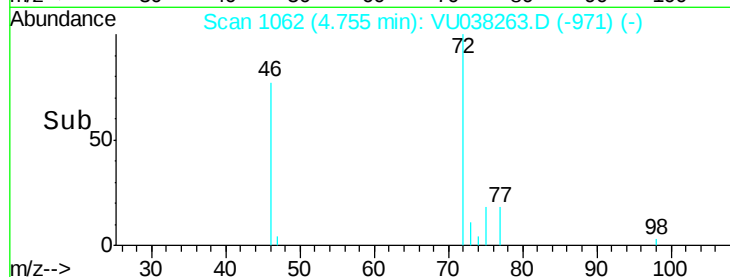
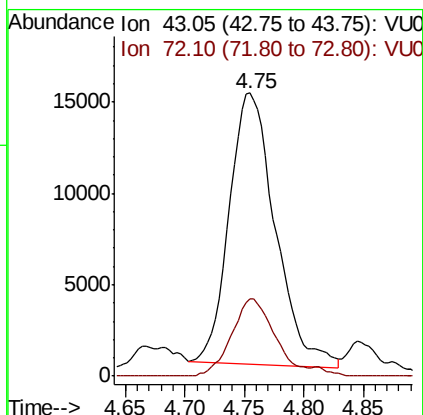
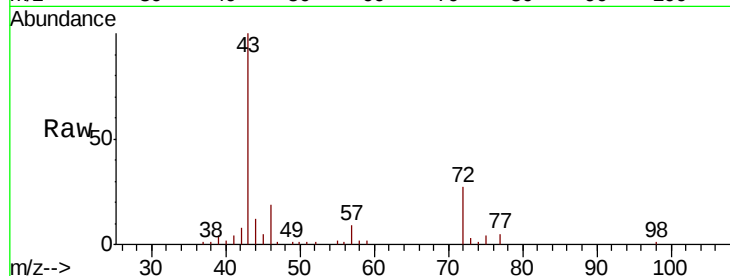
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 39769

Ion Ratio Lower Upper

43 100

72 26.7 13.5 40.4



#30

Cyclohexane

Concen: 0.395 ug/L

RT: 5.42 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VU038263.D

Acq: 21 May 2020 14:44

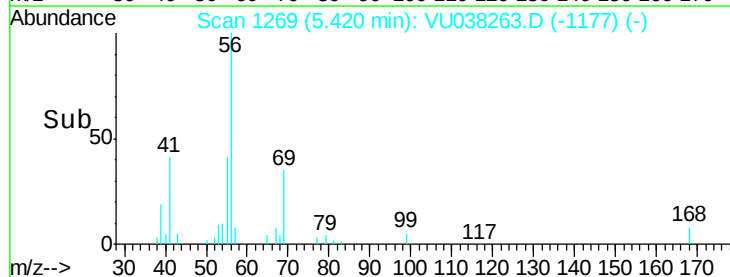
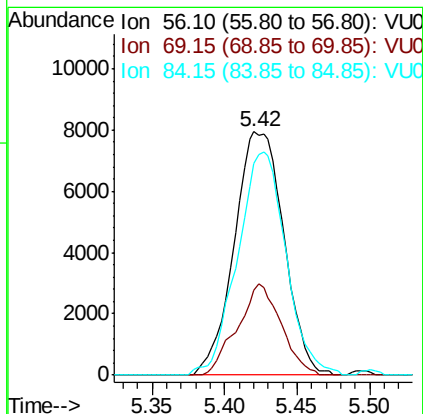
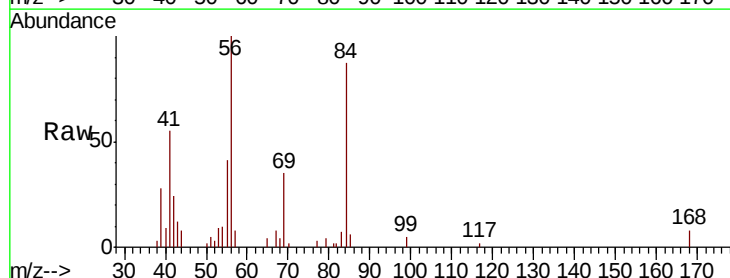
Tgt Ion: 56 Resp: 18840

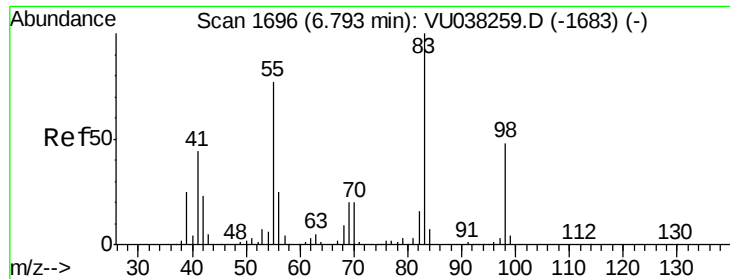
Ion Ratio Lower Upper

56 100

69 33.0 24.2 36.4

84 89.7 68.5 102.7

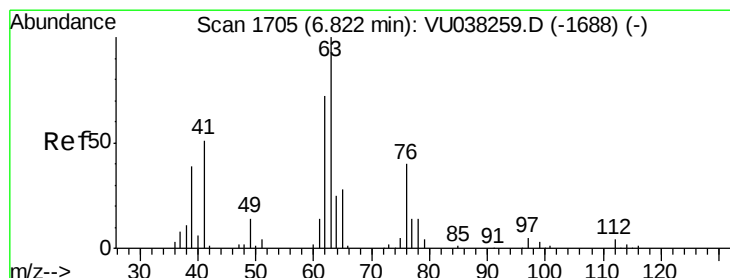
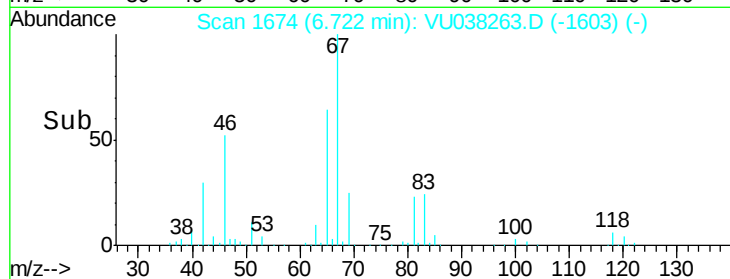
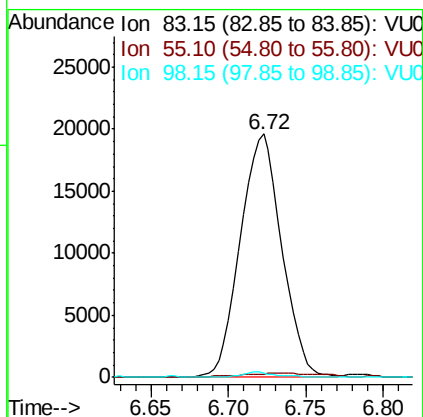
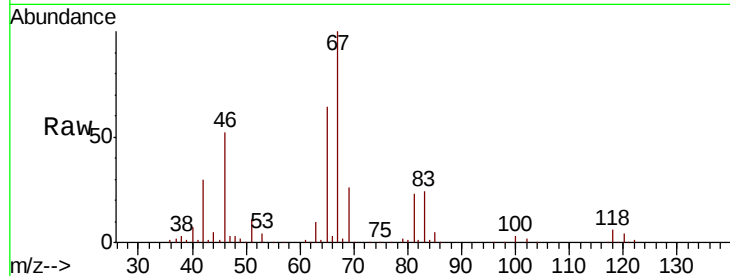




#35
Methvlcvclohexane
Concen: 0.799 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038263.D
Acq: 21 May 2020 14:44

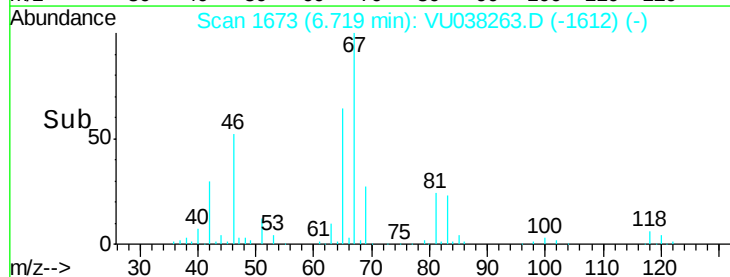
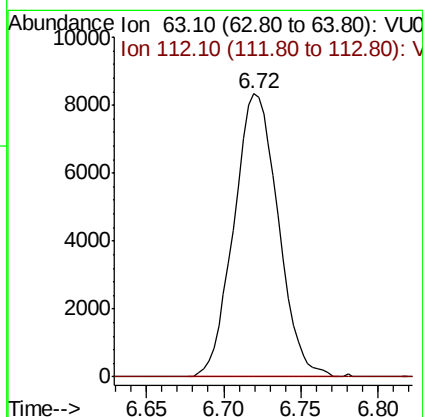
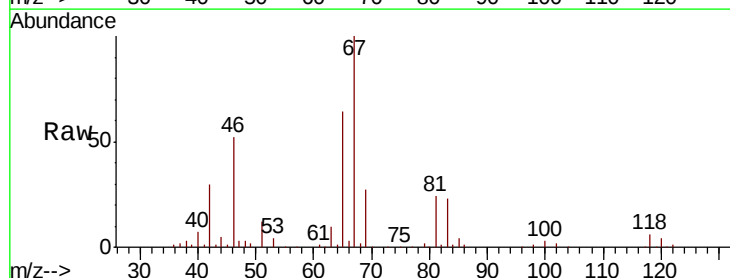
Instrument :
MSVOA_U
ClientSampled :

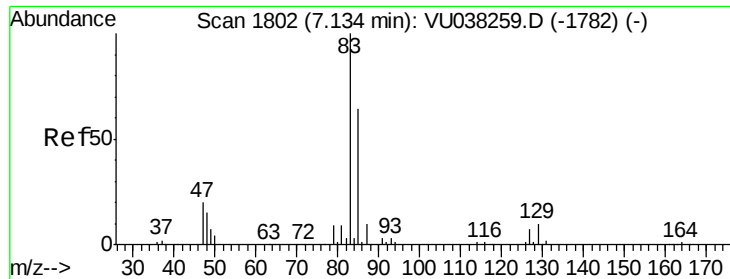
Tot Ion: 83 Resp: 36595
Ion Ratio Lower Upper
83 100
55 1.5 66.7 100.1#
98 1.4 39.4 59.2#



#37
1,2-Dichloropropane
Concen: 0.540 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038263.D
Acq: 21 May 2020 14:44

Tgt Ion: 63 Resp: 16579
Ion Ratio Lower Upper
63 100
112 0.1 3.1 4.7#





#38

Bromodichloromethane

Concen: 0.247 ug/L

RT: 7.16 min Scan# 1810

Delta R.T. 0.03 min

Lab File: VU038263.D

Acq: 21 May 2020 14:44

Instrument :

MSVOA_U

ClientSampleId :

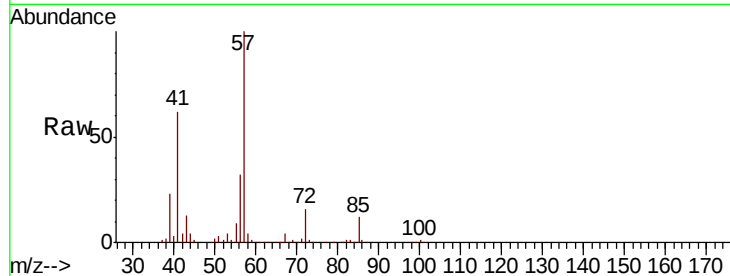
Tot Ion: 83 Resp: 8766

Ion Ratio Lower Upper

83 100

85 920.2 44.6 82.8#

127 0.0 6.4 9.6#

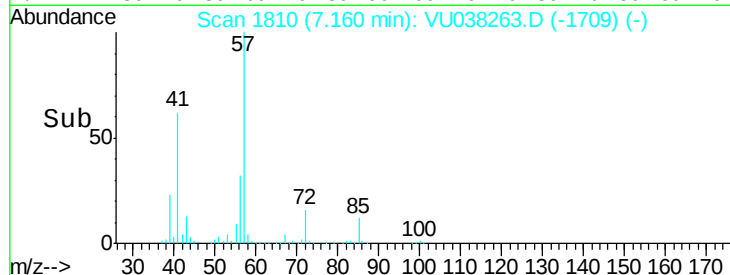


Abundance Ion 82.95 (82.65 to 83.65): VU038263.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU038263.D (-1709) (-)

Ion 126.90 (126.60 to 127.60): VU038263.D (-1709) (-)

Time-->



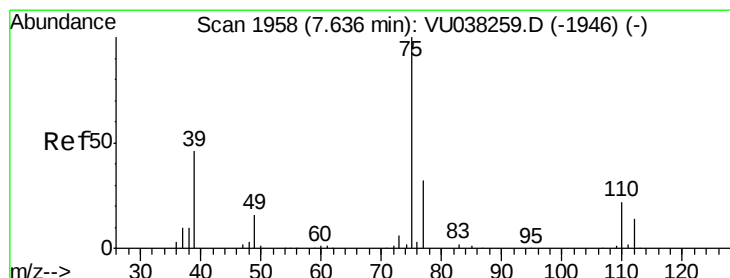
Abundance

Ion 82.95 (82.65 to 83.65): VU038263.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU038263.D (-1709) (-)

Ion 126.90 (126.60 to 127.60): VU038263.D (-1709) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.59 min Scan# 1943

Delta R.T. -0.05 min

Lab File: VU038263.D

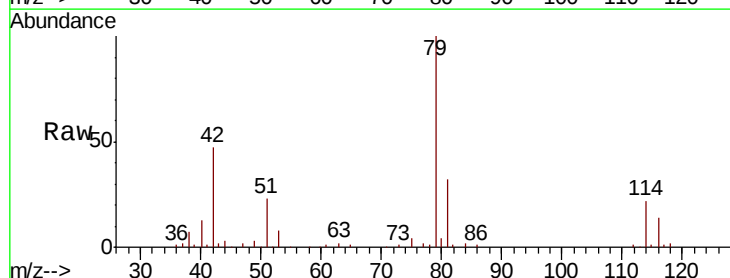
Acq: 21 May 2020 14:44

Tgt Ion: 75 Resp: 3601

Ion Ratio Lower Upper

75 100

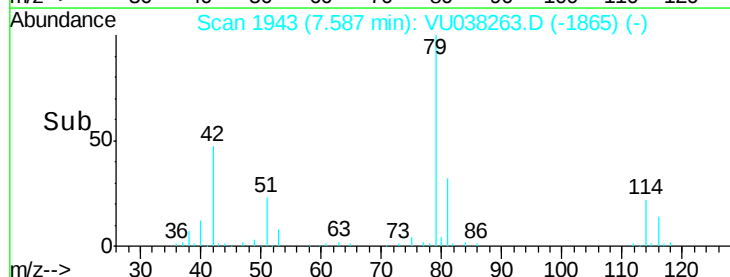
77 51.2 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VU038263.D (-1865) (-)

Ion 77.05 (76.75 to 77.75): VU038263.D (-1865) (-)

Time-->

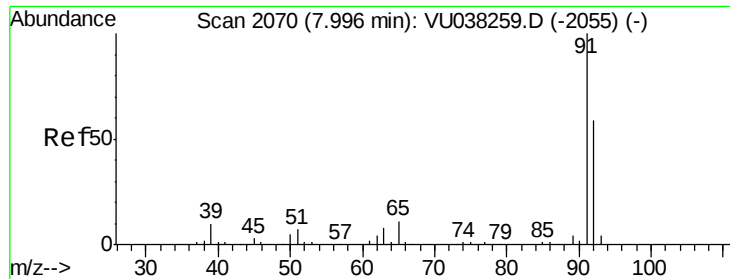


Abundance

Ion 75.05 (74.75 to 75.75): VU038263.D (-1865) (-)

Ion 77.05 (76.75 to 77.75): VU038263.D (-1865) (-)

Time-->



#42

Toluene

Concen: 0.251 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038263.D

Acq: 21 May 2020 14:44

Instrument :

MSVOA_U

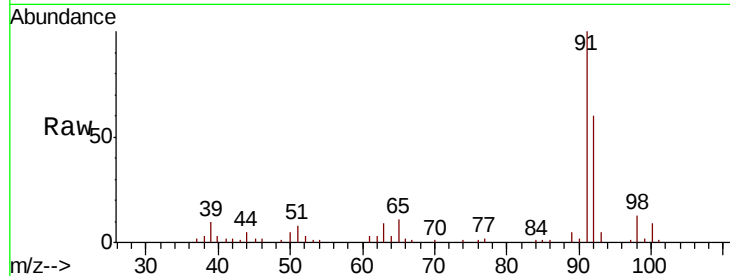
ClientSampleId :

Tot Ion: 91 Resp: 29986

Ion Ratio Lower Upper

91 100

92 60.5 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038259.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU038259.D (-2055) (-)

7.99

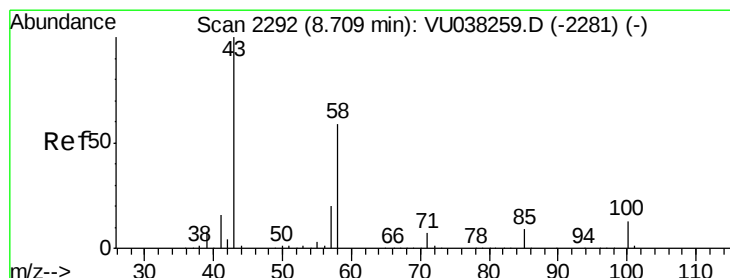
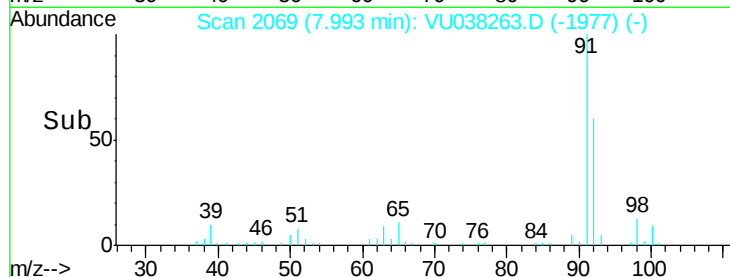
15000

10000

5000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#48

2-Hexanone

Concen: 2.955 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038263.D

Acq: 21 May 2020 14:44

Tgt Ion: 43 Resp: 46035

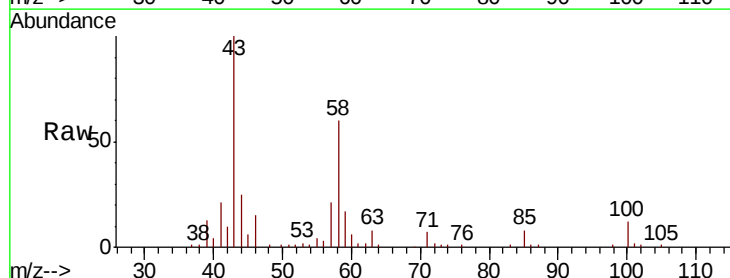
Ion Ratio Lower Upper

43 100

58 55.7 45.2 67.8

57 20.3 15.5 23.3

100 10.5 9.5 14.3



Abundance Ion 43.05 (42.75 to 43.75): VU038259.D (-2281) (-)

Ion 58.05 (57.75 to 58.75): VU038259.D (-2281) (-)

Ion 57.20 (56.90 to 57.90): VU038259.D (-2281) (-)

Ion 100.15 (99.85 to 100.85): VU038259.D (-2281) (-)

40000

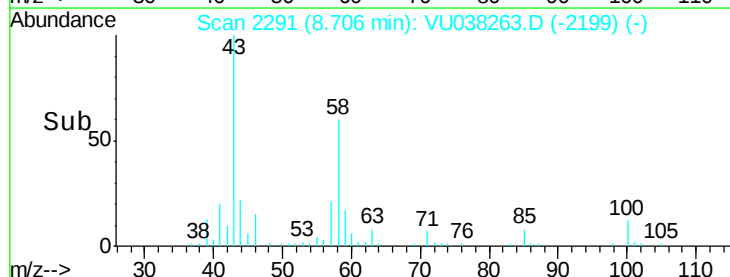
30000

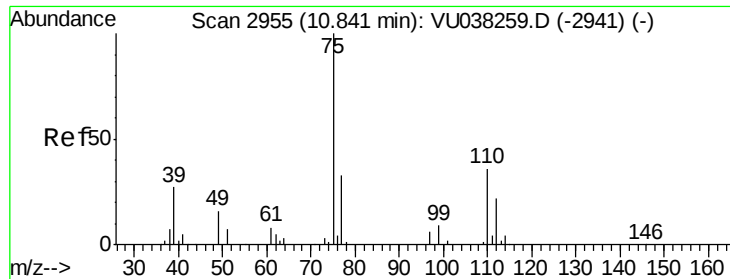
20000

10000

0

Time--> 8.65 8.70 8.75

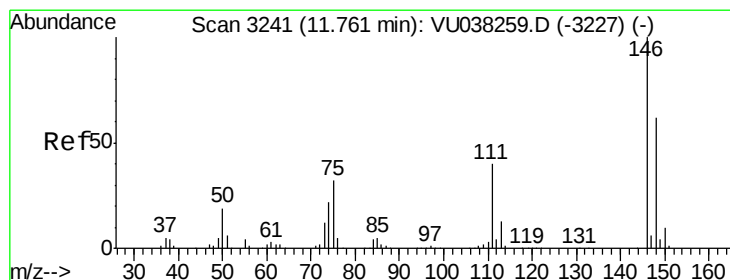
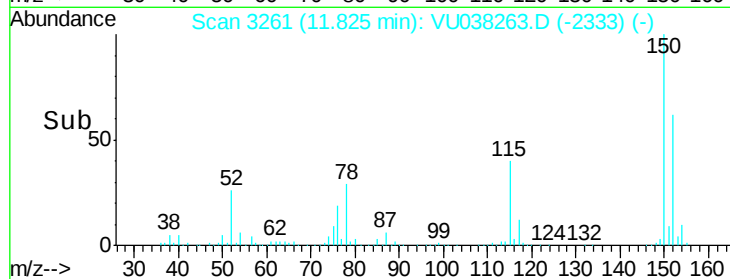
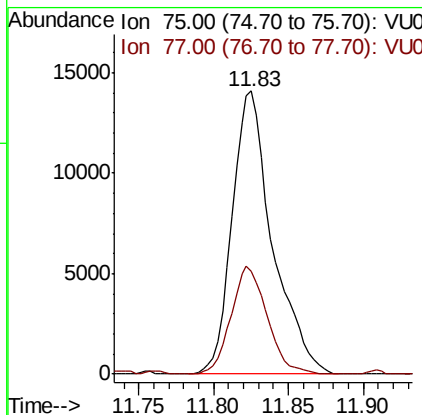
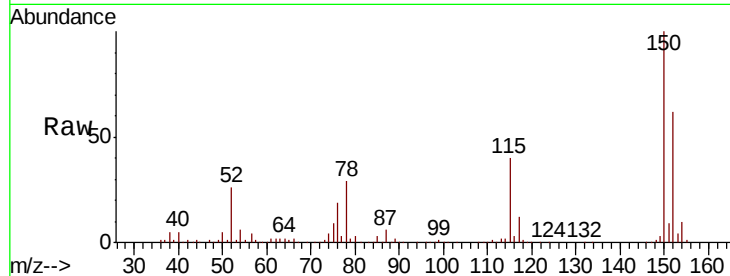




#59
 1,2,3-Trichloropropane
 Concen: 1.280 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.98 min
 Lab File: VU038263.D
 Acq: 21 May 2020 14:44

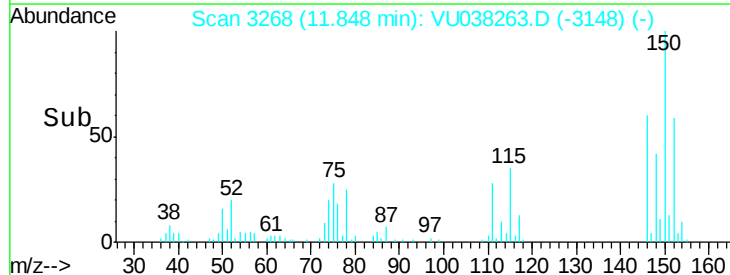
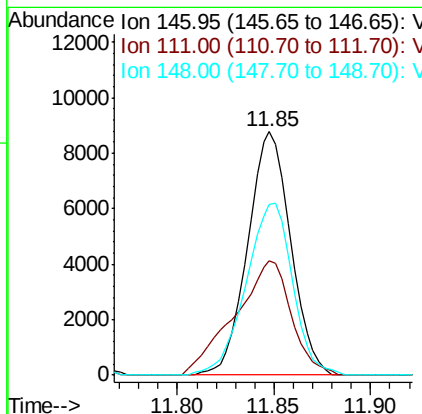
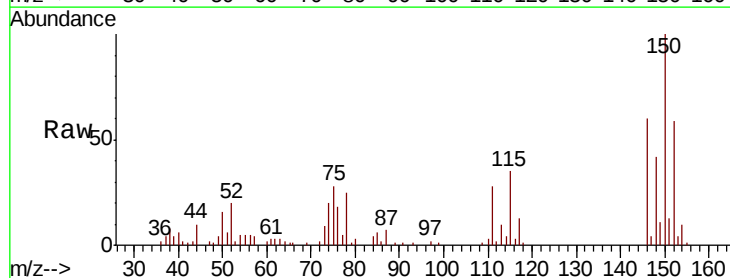
Instrument :
 MSVOA_U
 ClientSampleId :

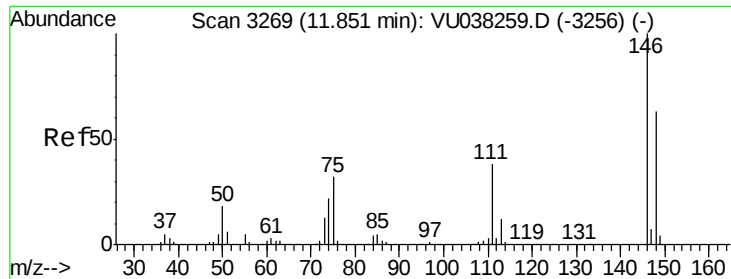
Tot Ion: 75 Resp: 26378
 Ion Ratio Lower Upper
 75 100
 77 34.2 25.4 38.0



#62
 1,3-Dichlorobenzene
 Concen: 0.250 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.09 min
 Lab File: VU038263.D
 Acq: 21 May 2020 14:44

Tgt Ion: 146 Resp: 13530
 Ion Ratio Lower Upper
 146 100
 111 46.9 28.6 53.2
 148 70.2 45.2 84.0





#63

1,4-Dichlorobenzene

Concen: 0.246 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038263.D

Acq: 21 May 2020 14:44

Instrument :

MSVOA_U

ClientSampleId :

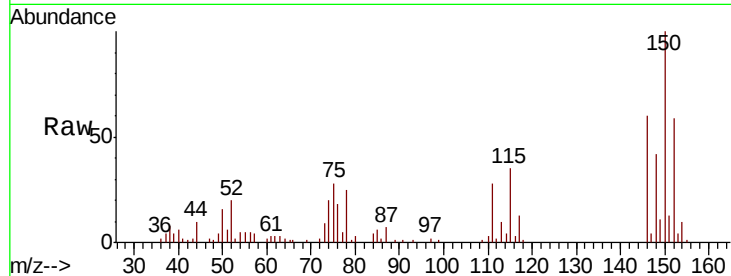
Tot Ion:146 Resp: 13530

Ion Ratio Lower Upper

146 100

111 46.9 27.2 50.6

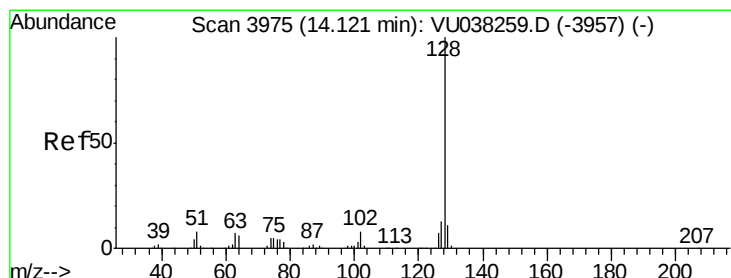
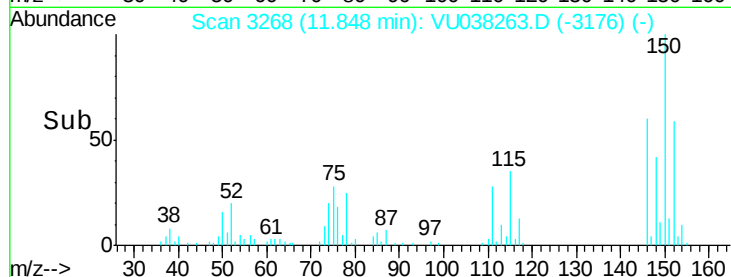
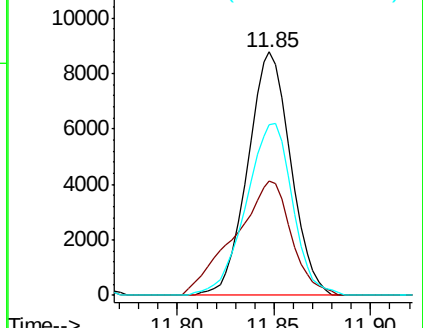
148 70.2 43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#69

Naphthalene

Concen: 0.980 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038263.D

Acq: 21 May 2020 14:44

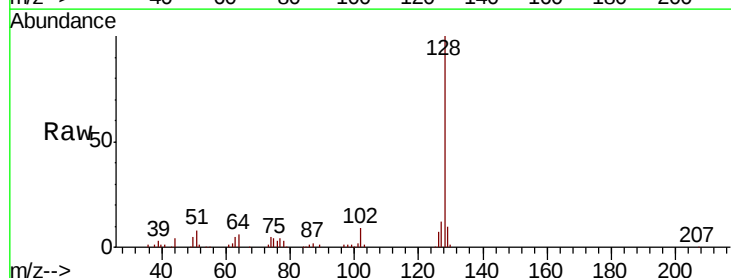
Tgt Ion:128 Resp: 73552

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 11.9 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

