

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
 Data File : VU038312.D
 Acq On : 27 May 2020 11:55
 Operator : JC/MD
 Sample : L2766-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 28 04:17:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 04:16:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	331954	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	322033	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	157380	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	90881	2.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.80%
7) Chloroethane-d5	1.93	69	85227	3.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.00%
11) 1,1-Dichloroethene-d2	2.59	63	142083	2.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.00%#
20) 2-Butanone-d5	4.66	46	358036	47.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.58%
24) Chloroform-d	5.10	84	197353	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	5.74	65	118544	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	5.76	84	416276	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.72	67	131364	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.40%
41) Toluene-d8	7.92	98	373118	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	8.20	79	52088	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.66	63	289655	49.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.34%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	111867	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	145853	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

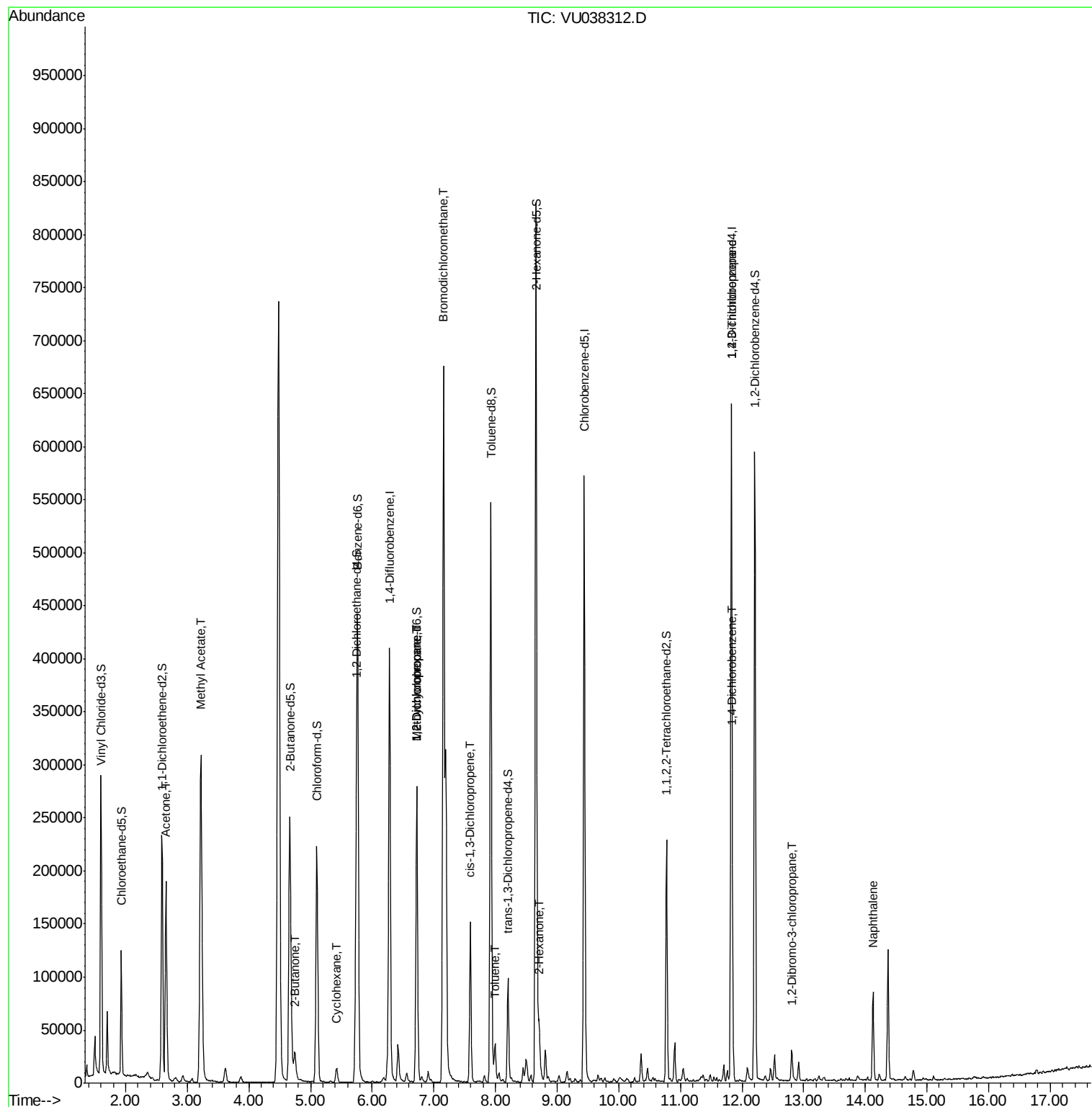
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	216304	46.021	ug/L	99
15) Methyl Acetate	3.22	43	59874	4.554	ug/L #	53
21) 2-Butanone	4.75	43	34270	4.131	ug/L	95
30) Cyclohexane	5.42	56	6923	0.159	ug/L	98
35) Methylcyclohexane	6.72	83	31159	0.746	ug/L #	16
37) 1,2-Dichloropropane	6.73	63	14269	0.509	ug/L #	88
38) Bromodichloromethane	7.15	83	6315	0.195	ug/L #	1
39) cis-1,3-Dichloropropene	7.59	75	3467	0.086	ug/L #	71
42) Toluene	8.00	91	22813	0.210	ug/L	100
48) 2-Hexanone	8.71	43	29856	2.100	ug/L #	95
59) 1,2,3-Trichloropropane	11.83	75	25525	1.358	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	13127	0.253	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.80	75	541	0.134	ug/L #	8
69) Naphthalene	14.12	128	65209	0.919	ug/L	99

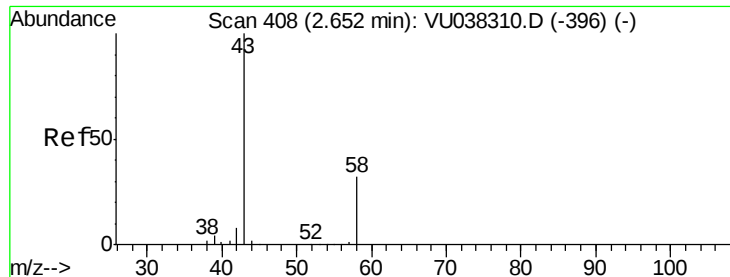
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 28 04:16:01 2020
Response via : Initial Calibration





#13

Acetone

Concen: 46.021 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU038312.D

Acq: 27 May 2020 11:55

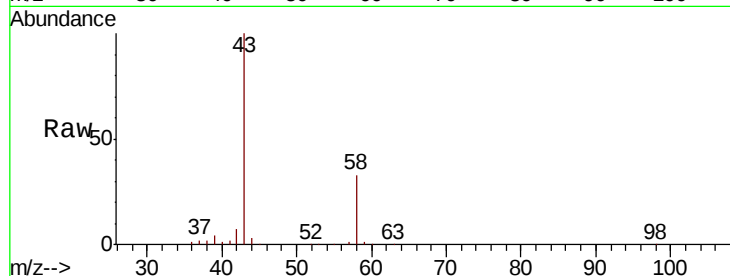
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 216304

Ion Ratio Lower Upper

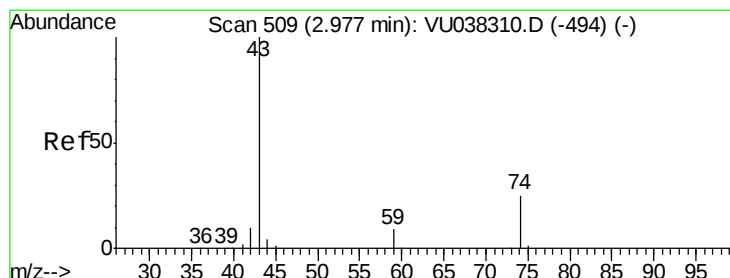
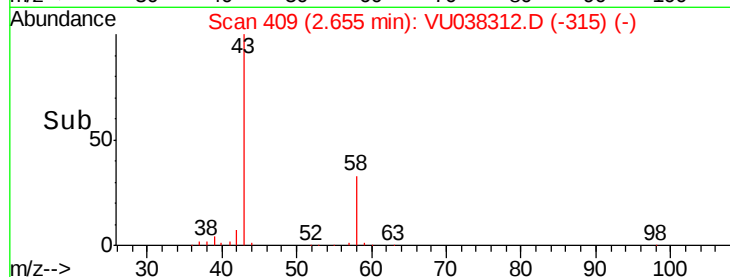
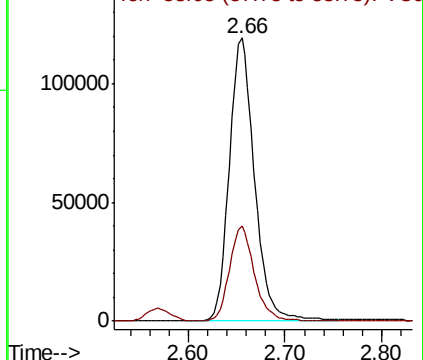
43 100

58 32.5 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038312.D (-408) (-)

Ion 58.05 (57.75 to 58.75): VU038312.D (-408) (-)



#15

Methyl Acetate

Concen: 4.554 ug/L

RT: 3.22 min Scan# 585

Delta R.T. 0.24 min

Lab File: VU038312.D

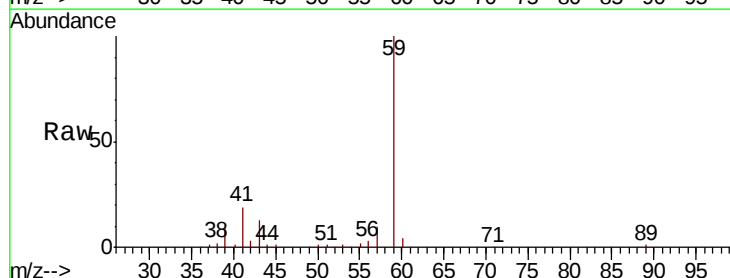
Acq: 27 May 2020 11:55

Tgt Ion: 43 Resp: 59874

Ion Ratio Lower Upper

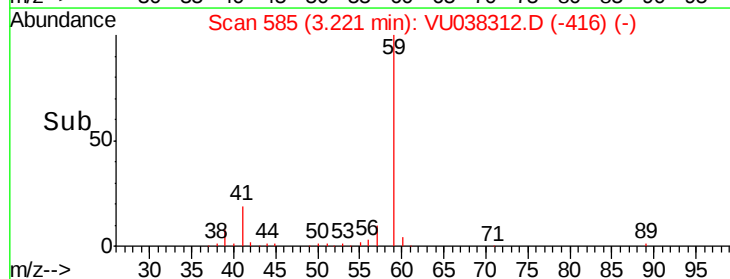
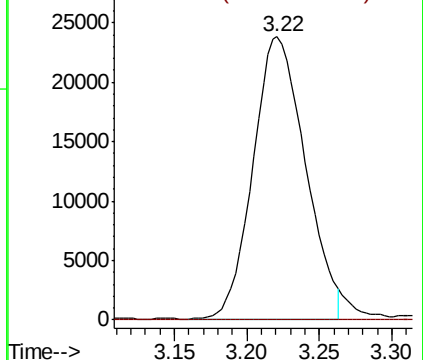
43 100

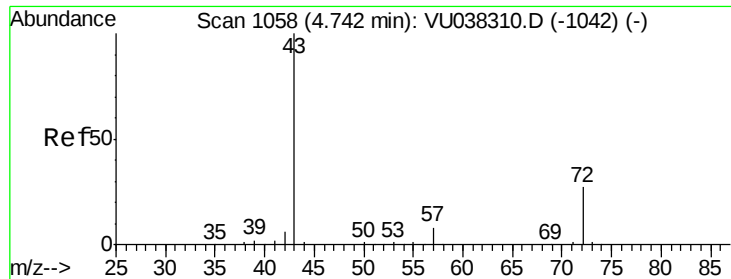
74 0.0 18.0 27.0#



Abundance Ion 43.05 (42.75 to 43.75): VU038312.D (-416) (-)

Ion 74.05 (73.75 to 74.75): VU038312.D (-416) (-)

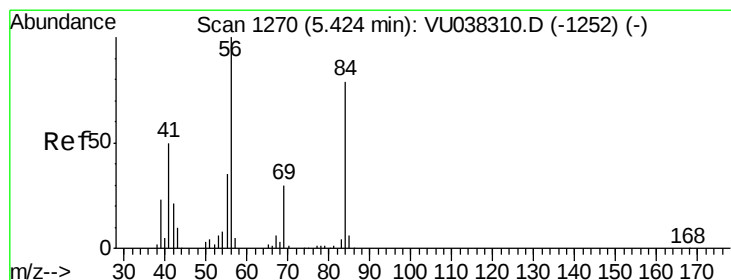
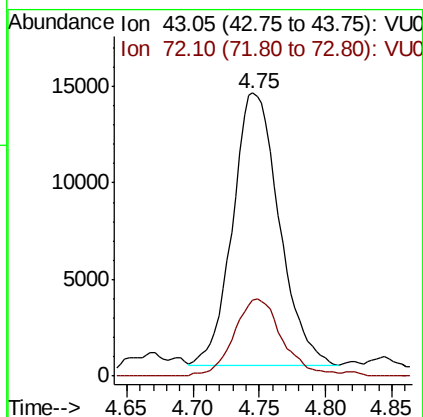
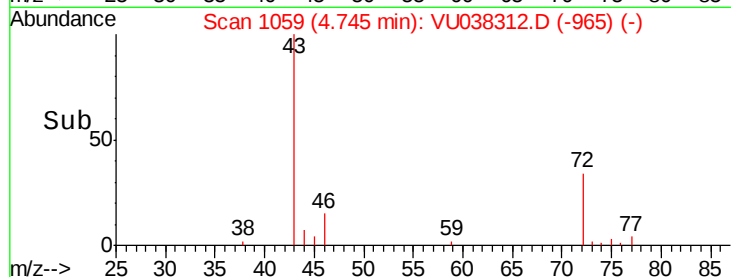
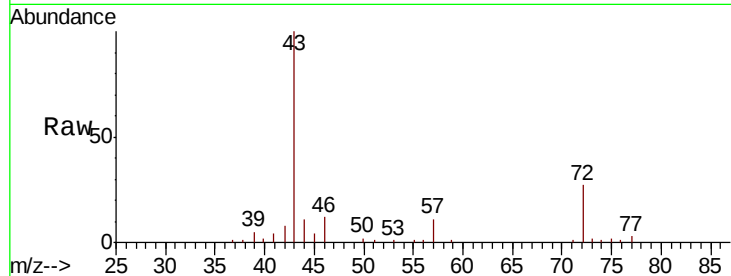




#21
2-Butanone
Concen: 4.131 ug/L
RT: 4.75 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VU038312.D
Acq: 27 May 2020 11:55

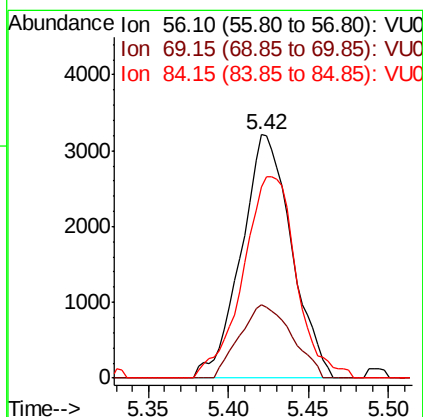
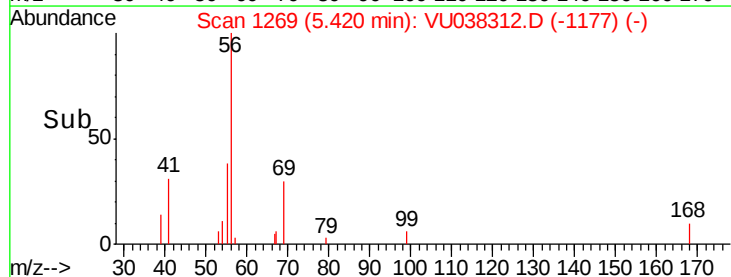
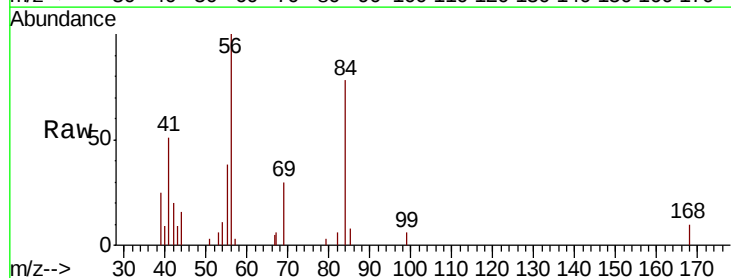
Instrument :
MSVOA_U
ClientSampleId :

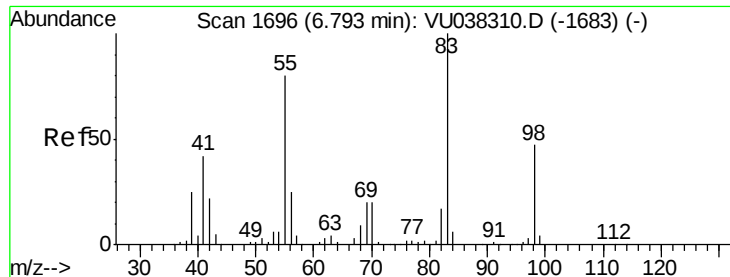
Tot Ion: 43 Resp: 34270
Ion Ratio Lower Upper
43 100
72 29.7 13.5 40.4



#30
Cyclohexane
Concen: 0.159 ug/L
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU038312.D
Acq: 27 May 2020 11:55

Tgt Ion: 56 Resp: 6923
Ion Ratio Lower Upper
56 100
69 31.2 24.2 36.4
84 87.8 68.5 102.7

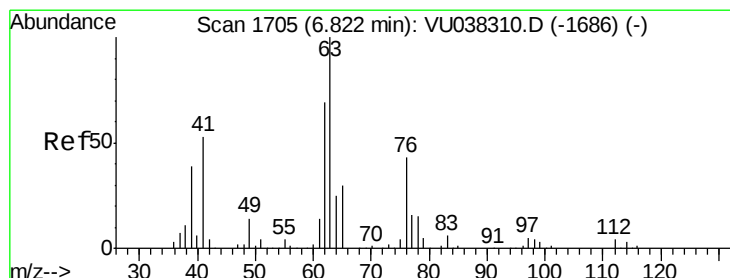
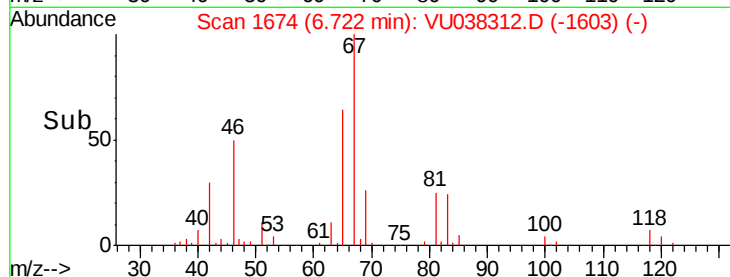
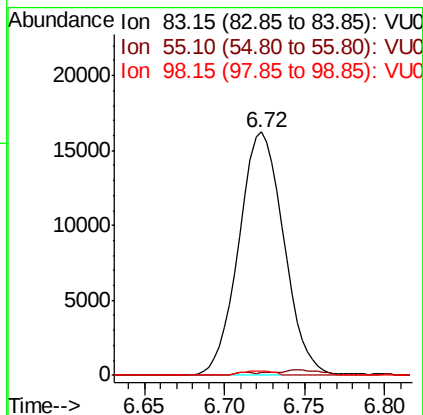
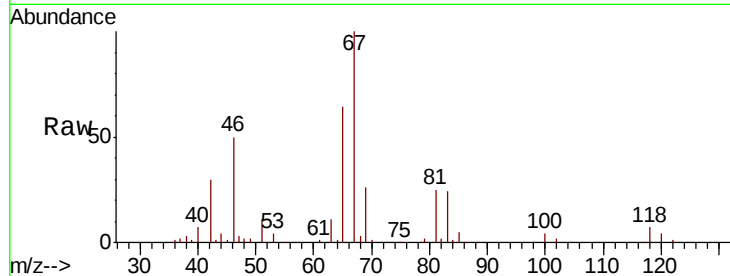




#35
Methvlcvclohexane
Concen: 0.746 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038312.D
Acq: 27 May 2020 11:55

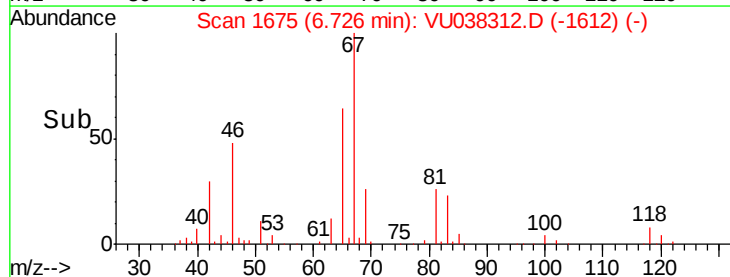
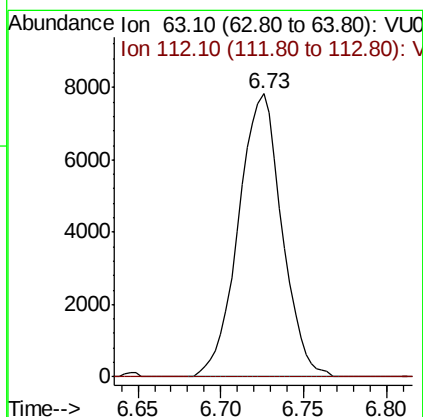
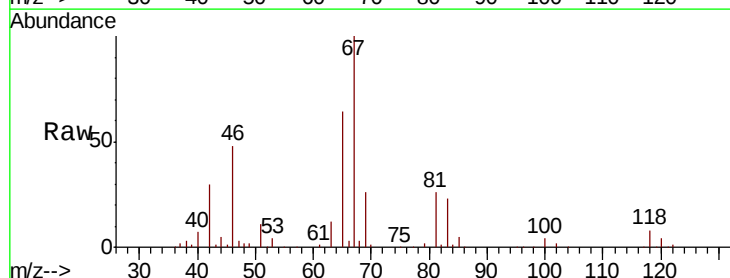
Instrument :
MSVOA_U
ClientSampleId :

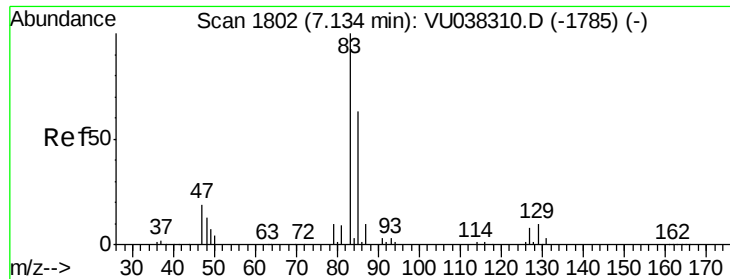
Tot Ion: 83 Resp: 31159
Ion Ratio Lower Upper
83 100
55 0.5 66.7 100.1#
98 1.3 39.4 59.2#



#37
1,2-Dichloropropane
Concen: 0.509 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.10 min
Lab File: VU038312.D
Acq: 27 May 2020 11:55

Tgt Ion: 63 Resp: 14269
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#





#38

Bromodichloromethane

Concen: 0.195 ug/L

RT: 7.15 min Scan# 1807

Delta R.T. 0.02 min

Lab File: VU038312.D

Acq: 27 May 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

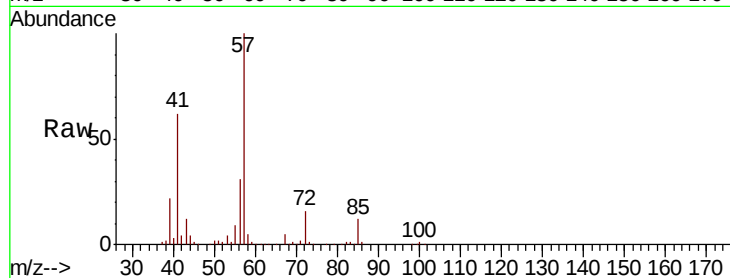
Tot Ion: 83 Resp: 6315

Ion Ratio Lower Upper

83 100

85 855.6 44.6 82.8#

127 0.0 6.4 9.6#

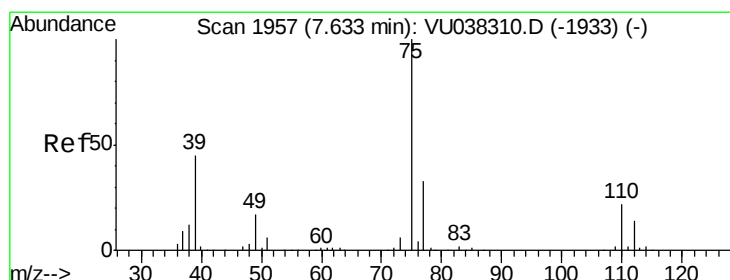
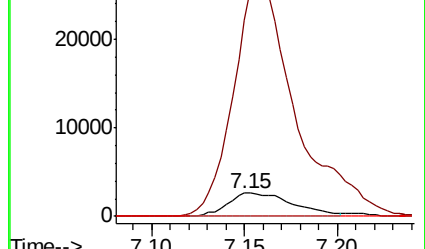
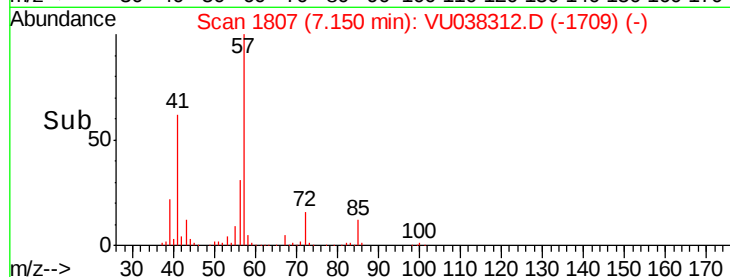


Abundance Ion 82.95 (82.65 to 83.65): VU038312.D (-1785) (-)

Ion 85.00 (84.70 to 85.70): VU038312.D (-1785) (-)

Ion 126.90 (126.60 to 127.60): VU038312.D (-1785) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU038312.D

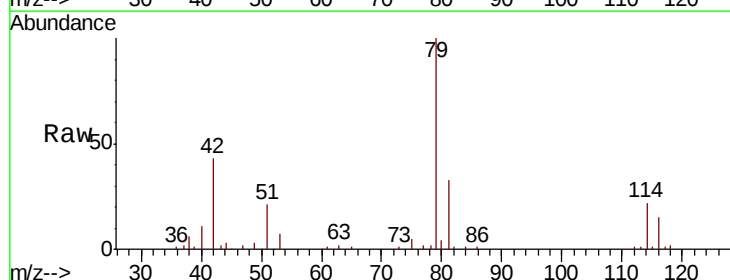
Acq: 27 May 2020 11:55

Tgt Ion: 75 Resp: 3467

Ion Ratio Lower Upper

75 100

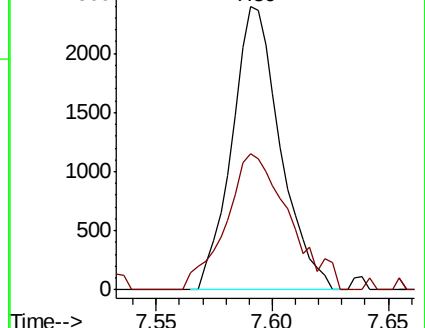
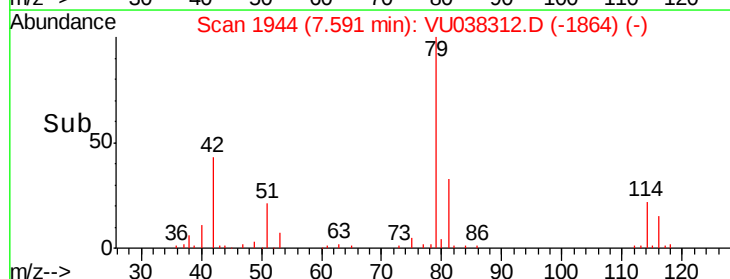
77 48.2 22.4 41.6#

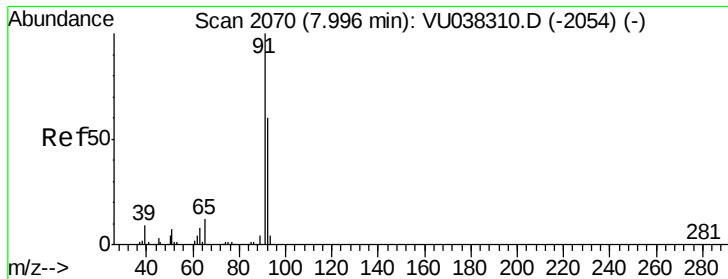


Abundance Ion 75.05 (74.75 to 75.75): VU038312.D (-1864) (-)

Ion 77.05 (76.75 to 77.75): VU038312.D (-1864) (-)

Time-->





#42

Toluene

Concen: 0.210 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU038312.D

Acq: 27 May 2020 11:55

Instrument :

MSVOA_U

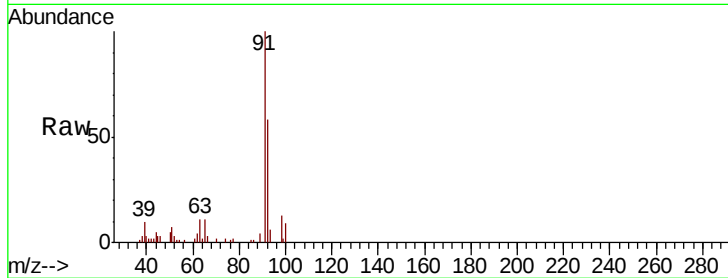
ClientSampled :

Tot Ion: 91 Resp: 22813

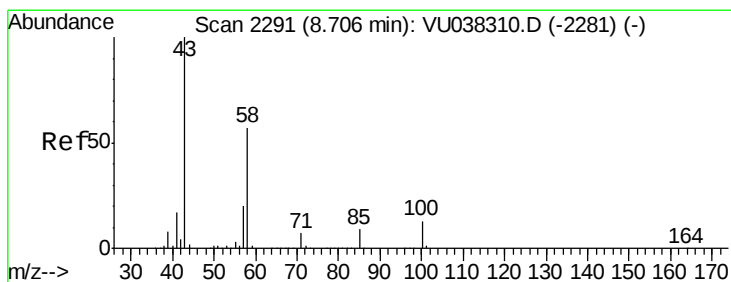
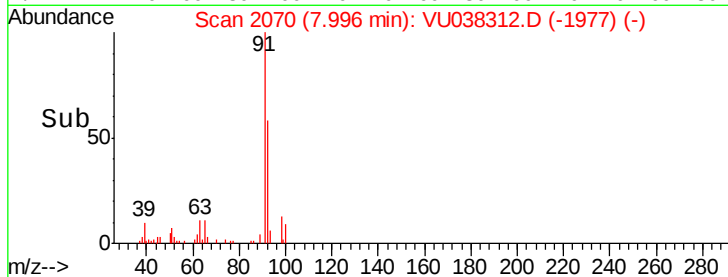
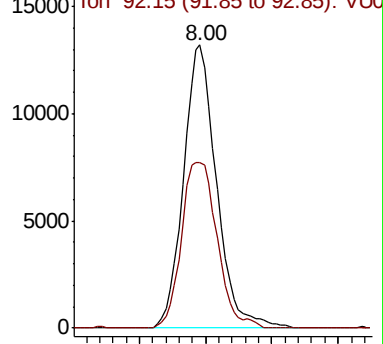
Ion Ratio Lower Upper

91 100

92 58.5 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038312.D (-1977) (-)



#48

2-Hexanone

Concen: 2.100 ug/L

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU038312.D

Acq: 27 May 2020 11:55

Tgt Ion: 43 Resp: 29856

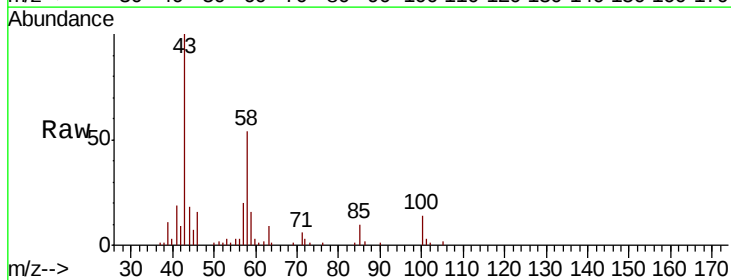
Ion Ratio Lower Upper

43 100

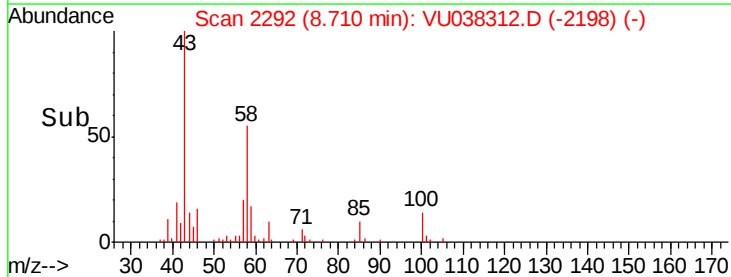
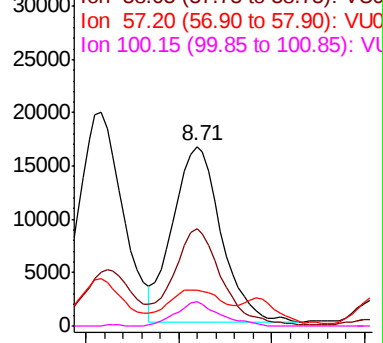
58 53.4 45.2 67.8

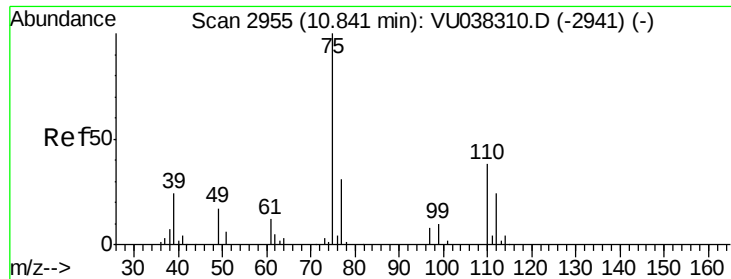
57 24.2 15.5 23.3#

100 12.5 9.5 14.3



Abundance Ion 43.05 (42.75 to 43.75): VU038312.D (-2198) (-)

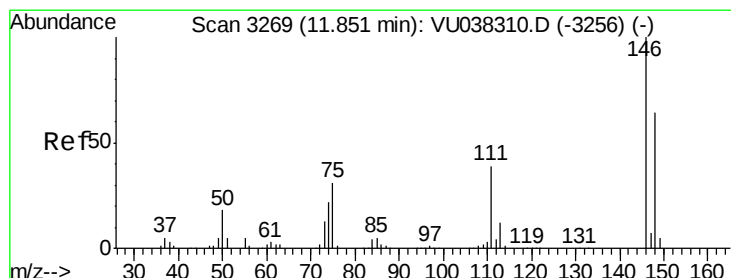
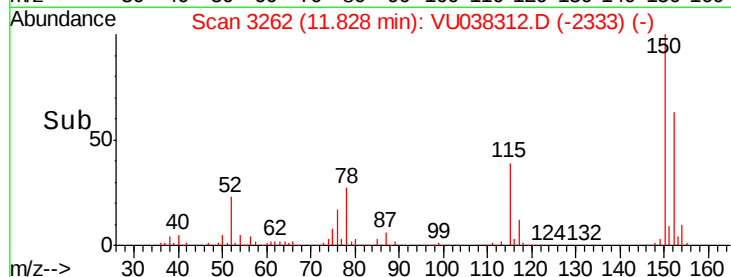
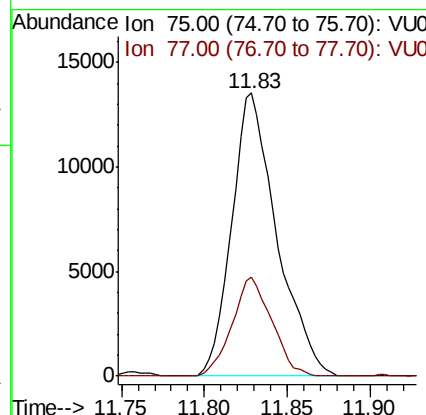
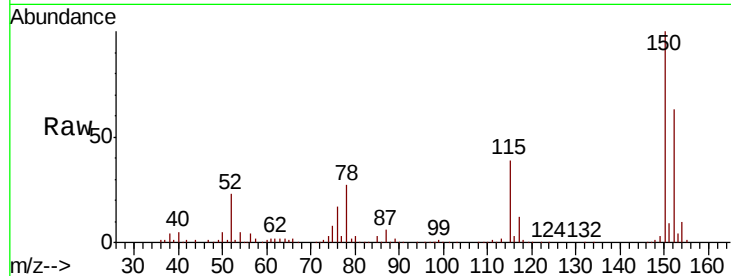




#59
 1,2,3-Trichloropropane
 Concen: 1.358 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.99 min
 Lab File: VU038312.D
 Acq: 27 May 2020 11:55

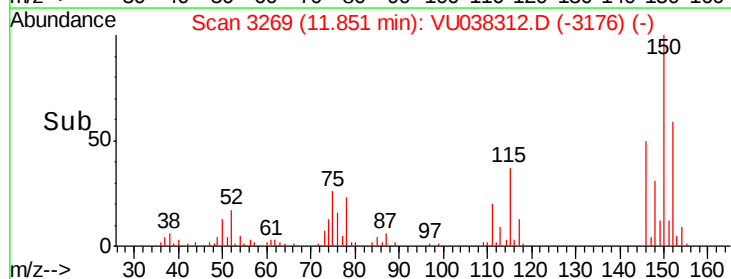
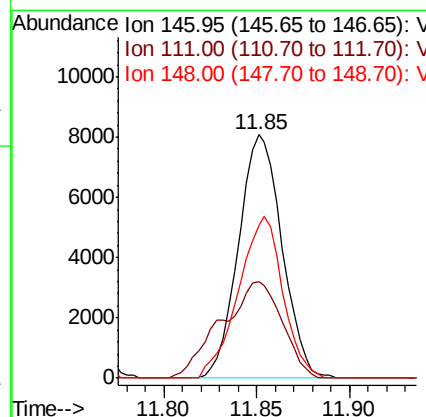
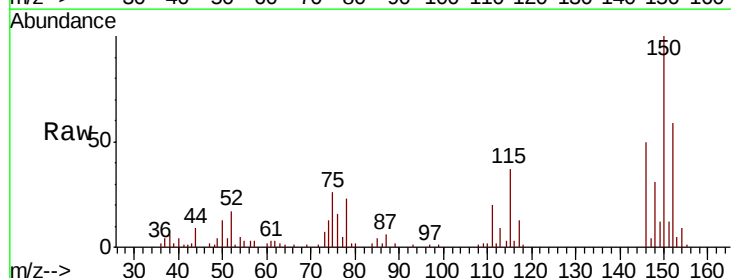
Instrument :
 MSVOA_U
 ClientSampled :

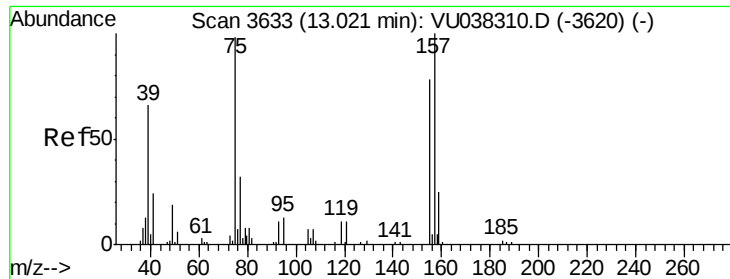
Tot Ion: 75 Resp: 25525
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.4 38.0



#63
 1,4-Dichlorobenzene
 Concen: 0.253 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU038312.D
 Acq: 27 May 2020 11:55

Tgt Ion: 146 Resp: 13127
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.2 50.6
 148 62.8 43.8 81.3





#66

1,2-Dibromo-3-chloropropane

Concen: 0.134 ug/L

RT: 12.80 min Scan# 3565

Delta R.T. -0.22 min

Lab File: VU038312.D

Acq: 27 May 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

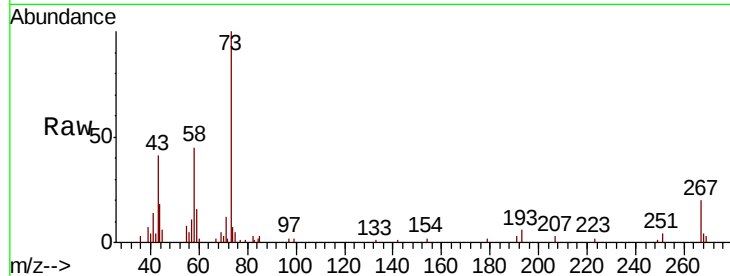
Tot Ion: 75 Resp: 541

Ion Ratio Lower Upper

75 100

155 0.0 58.2 87.2#

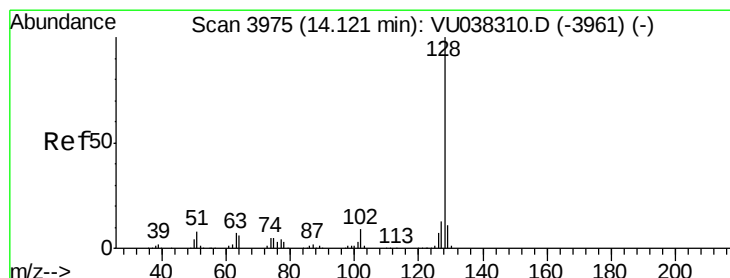
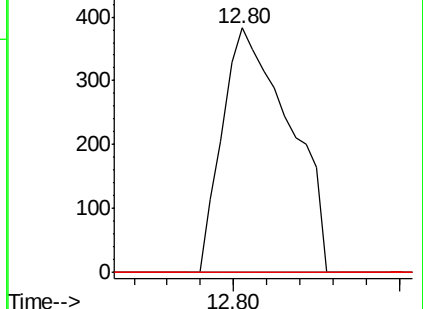
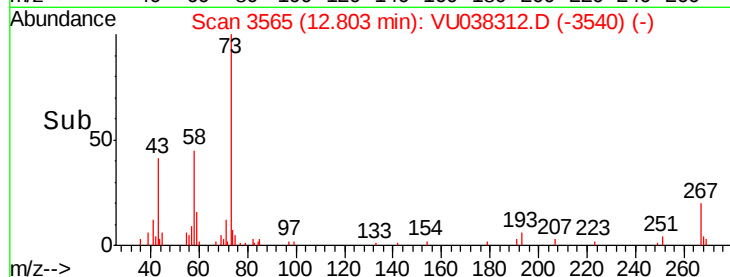
157 0.0 72.9 109.3#



Abundance Ion 75.05 (74.75 to 75.75): VU038312.D (-3540) (-)

Ion 154.95 (154.65 to 155.65): VU038312.D (-3540) (-)

Ion 156.90 (156.60 to 157.60): VU038312.D (-3540) (-)



#69

Naphthalene

Concen: 0.919 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VU038312.D

Acq: 27 May 2020 11:55

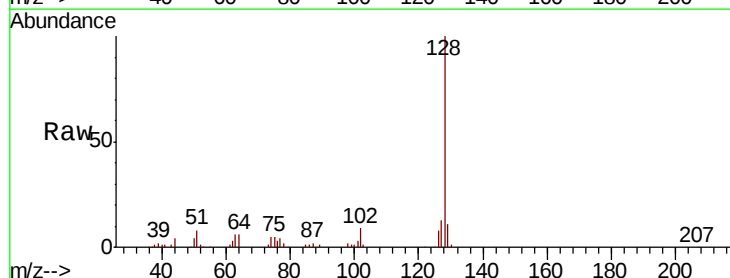
Tgt Ion: 128 Resp: 65209

Ion Ratio Lower Upper

128 100

129 11.5 8.7 13.1

127 12.9 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): VU038312.D (-3353) (-)

Ion 129.00 (128.70 to 129.70): VU038312.D (-3353) (-)

Ion 127.00 (126.70 to 127.70): VU038312.D (-3353) (-)

