

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053020\
 Data File : VU038399.D
 Acq On : 30 May 2020 00:15
 Operator : JC/MD
 Sample : L2766-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 30 02:21:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 00:03:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	304076	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	294061	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	149618	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	95683	3.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.80%
7) Chloroethane-d5	1.93	69	88118	3.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.20%
11) 1,1-Dichloroethene-d2	2.59	63	145216	3.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.40%
20) 2-Butanone-d5	4.67	46	363086	52.91	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.82%
24) Chloroform-d	5.10	84	204013	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.74	65	119908	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.76	84	419118	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.72	67	129735	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.92	98	366717	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	8.20	79	48918	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.65	63	287135	53.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.74%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108529	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	153155	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

					Ovalue
8) Chloroethane	1.95	64	52031	2.576	ug/L 92
13) Acetone	2.67	43	13138	3.051	ug/L 100
15) Methyl Acetate	3.11	43	85724	7.118	ug/L # 53
17) Methyl tert-butyl Ether	3.40	73	38436	0.656	ug/L # 1
25) Chloroform	5.13	83	22865	0.545	ug/L 92
27) 1,2-Dichloroethane	5.81	62	36748	1.240	ug/L # 73
30) Cyclohexane	5.42	56	24058	0.605	ug/L 97
33) Benzene	5.81	78	4233730	44.960	ug/L 100
35) Methylcyclohexane	6.79	83	18428	0.483	ug/L 97
37) 1,2-Dichloropropane	6.72	63	14153	0.553	ug/L # 93
42) Toluene	7.99	91	19804	0.199	ug/L 100
48) 2-Hexanone	8.71	43	15051	1.159	ug/L # 96
51) Chlorobenzene	9.47	112	512130	8.302	ug/L 98
52) Ethylbenzene	9.59	91	99506	0.924	ug/L 94
53) m,p-Xylene	9.71	106	296445	7.180	ug/L 99
54) o-Xylene	10.11	106	49275	1.234	ug/L 99
56) Isopropylbenzene	10.50	105	270903	2.642	ug/L 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053020\
Data File : VU038399.D
Acq On : 30 May 2020 00:15
Operator : JC/MD
Sample : L2766-08
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: May 30 02:21:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 00:03:10 2020
Response via : Initial Calibration

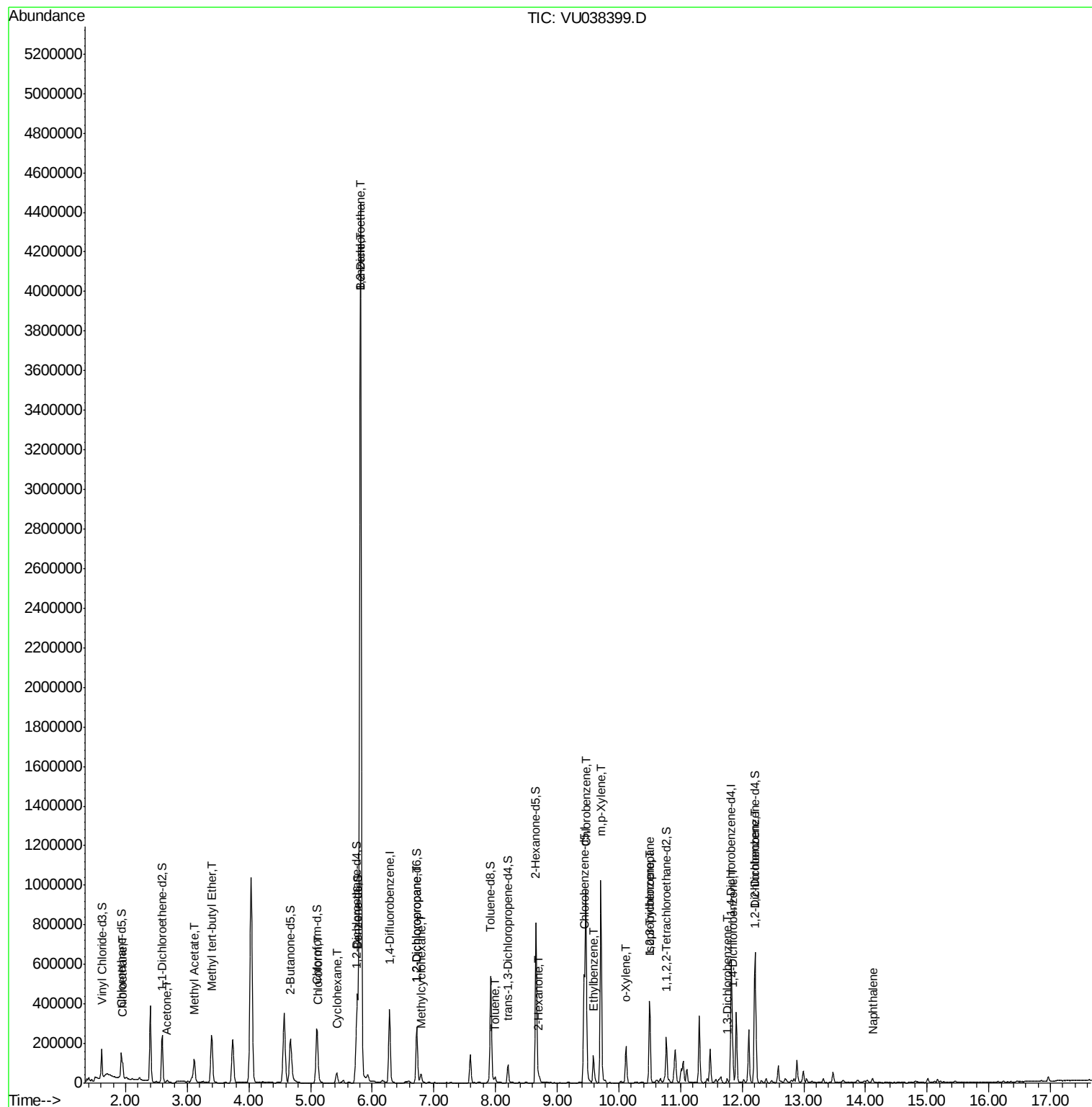
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	10.50	75	3045	0.177	ug/L #	1
62) 1,3-Dichlorobenzene	11.76	146	5416	0.111	ug/L	92
63) 1,4-Dichlorobenzene	11.85	146	49591	1.005	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	78849	1.684	ug/L	96
69) Naphthalene	14.11	128	15451	0.229	ug/L	98

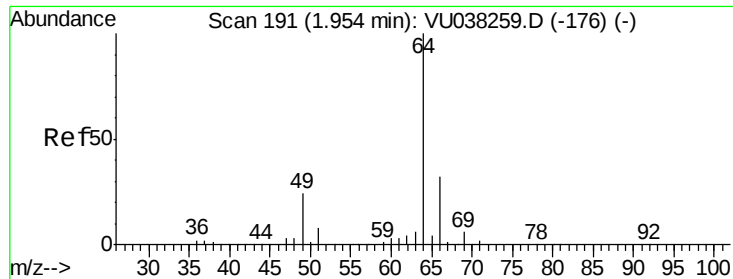
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU053020\
Data File : VU038399.D
Acq On : 30 May 2020 00:15
Operator : JC/MD
Sample : L2766-08
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: May 30 02:21:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 00:03:10 2020
Response via : Initial Calibration

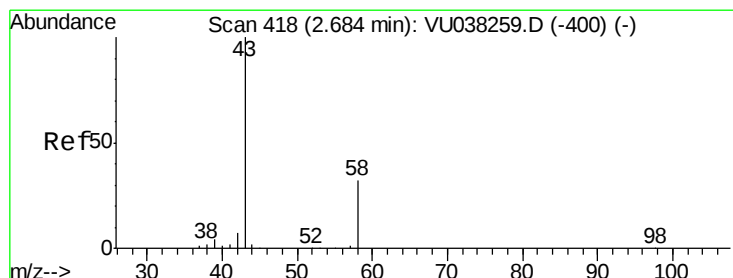
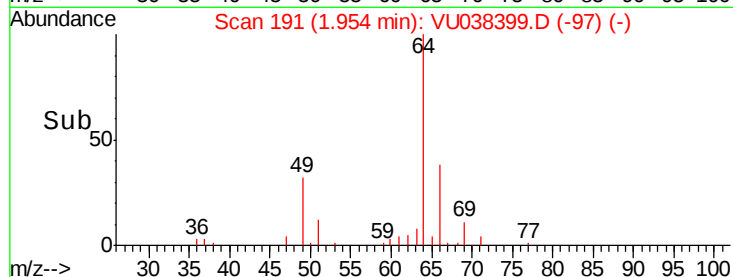
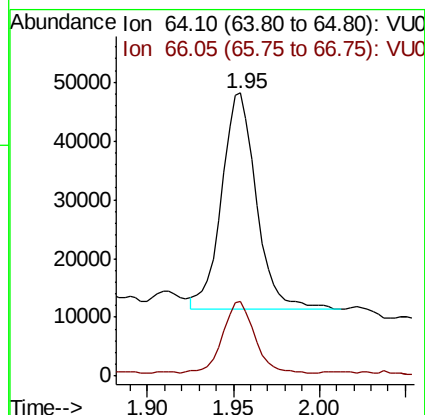
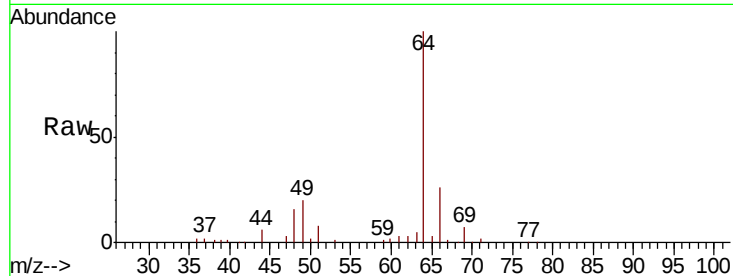




#8
Chloroethane
Concen: 2.576 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038399.D
Acq: 30 May 2020 00:15

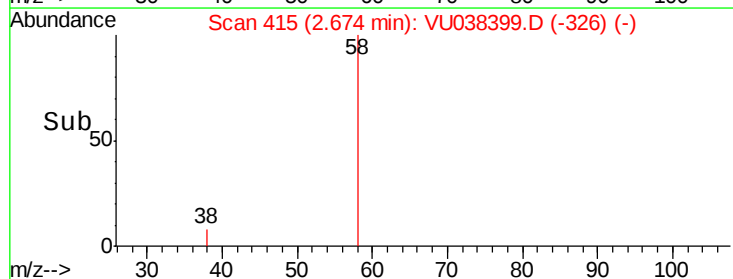
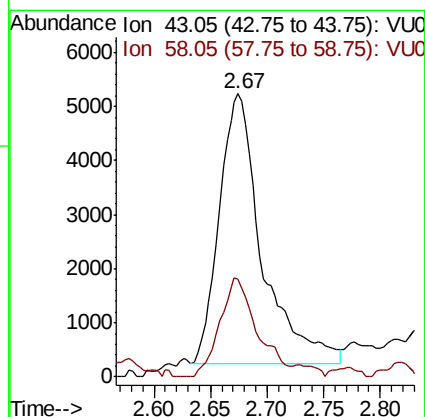
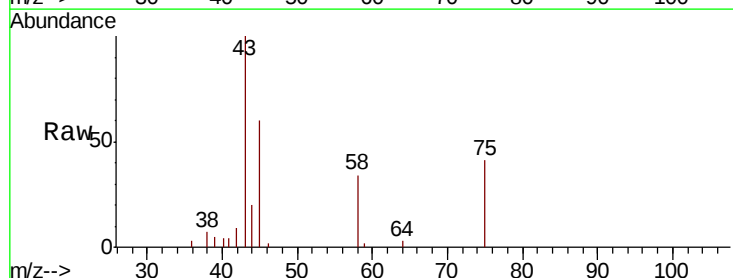
Instrument :
MSVOA_U
ClientSampled :

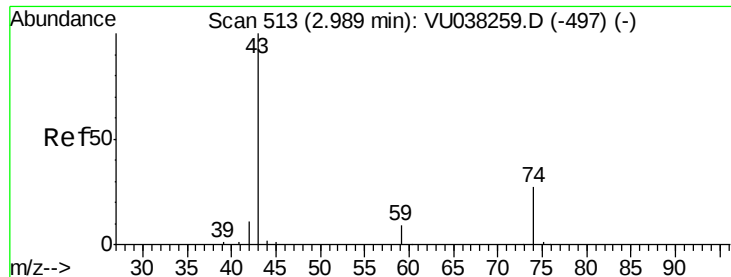
Tot Ion: 64 Resp: 52031
Ion Ratio Lower Upper
64 100
66 26.4 21.8 40.4



#13
Acetone
Concen: 3.051 ug/L
RT: 2.67 min Scan# 415
Delta R.T. -0.01 min
Lab File: VU038399.D
Acq: 30 May 2020 00:15

Tgt Ion: 43 Resp: 13138
Ion Ratio Lower Upper
43 100
58 31.8 0.0 63.6





#15

Methyl Acetate

Concen: 7.118 ug/L

RT: 3.11 min Scan# 552

Delta R.T. 0.13 min

Lab File: VU038399.D

Acq: 30 May 2020 00:15

Instrument :

MSVOA_U

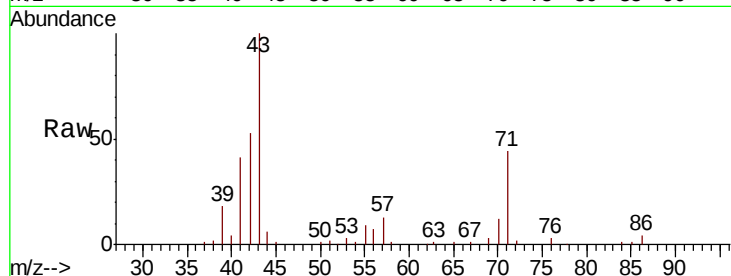
ClientSampleId :

Tot Ion: 43 Resp: 85724

Ion Ratio Lower Upper

43 100

74 0.0 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) (-)

3.11

40000

30000

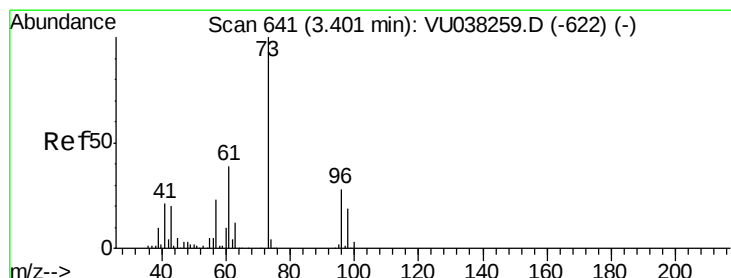
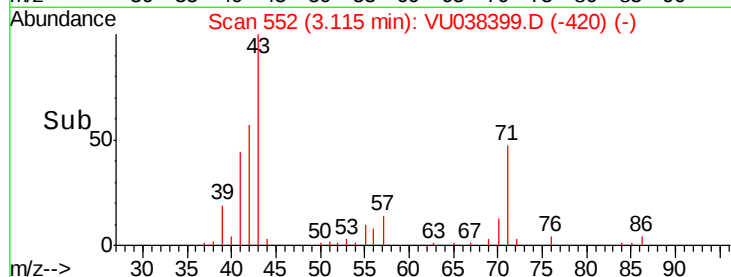
20000

10000

0

Time-->

3.00 3.10 3.20



#17

Methyl tert-butyl Ether

Concen: 0.656 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU038399.D

Acq: 30 May 2020 00:15

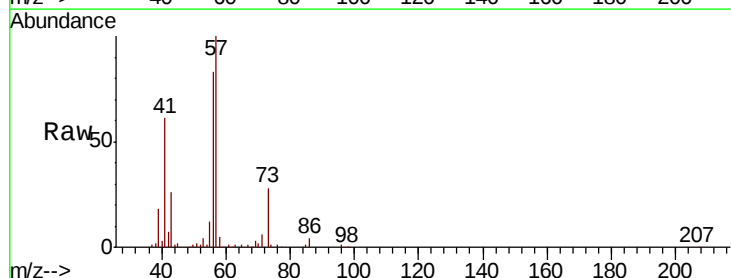
Tgt Ion: 73 Resp: 38436

Ion Ratio Lower Upper

73 100

43 102.6 16.9 25.3#

57 373.0 18.2 27.2#



Abundance Ion 73.10 (72.80 to 73.80): VU038259.D (-622) (-)

Ion 43.05 (42.75 to 43.75): VU038259.D (-622) (-)

Ion 57.10 (56.80 to 57.80): VU038259.D (-622) (-)

80000

60000

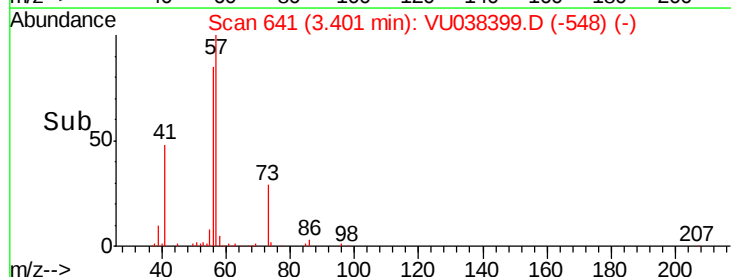
40000

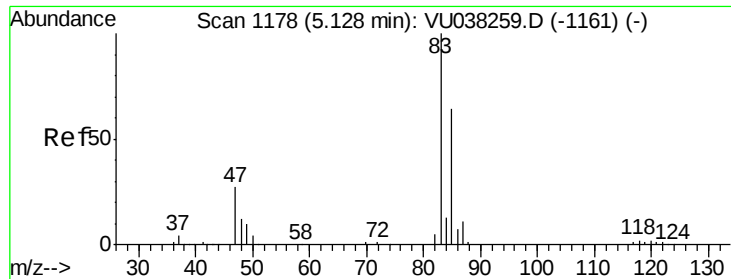
20000

0

Time-->

3.30 3.35 3.40 3.45 3.50

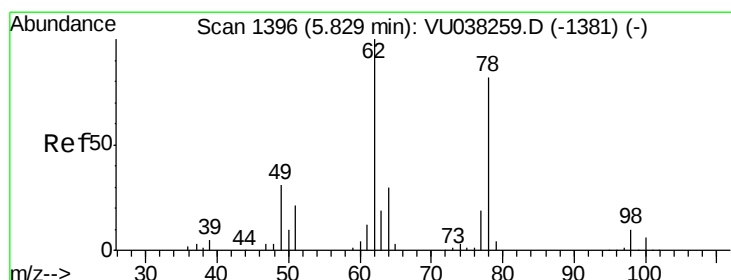
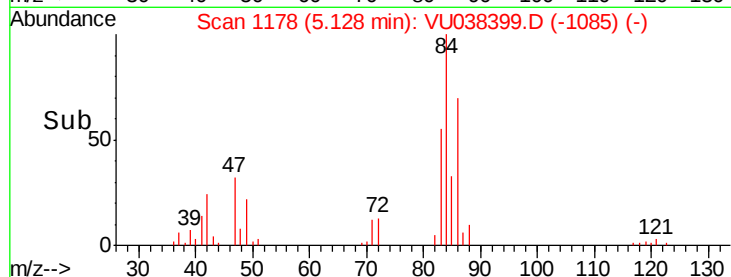
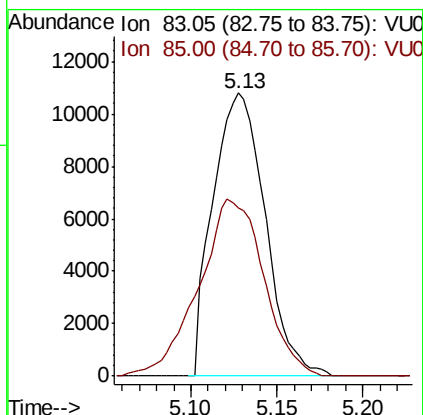
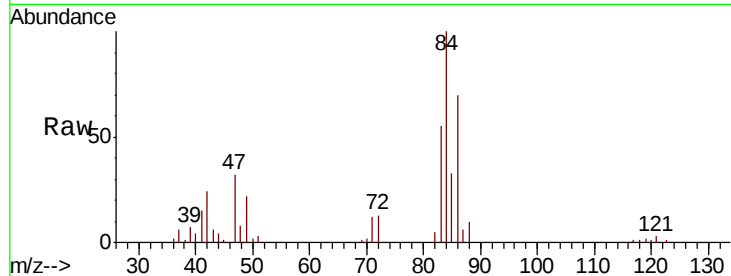




#25
Chloroform
Concen: 0.545 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038399.D
Acq: 30 May 2020 00:15

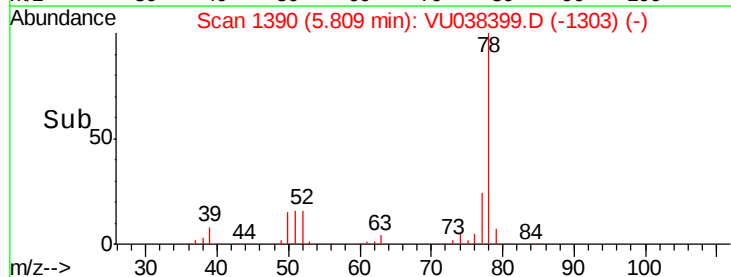
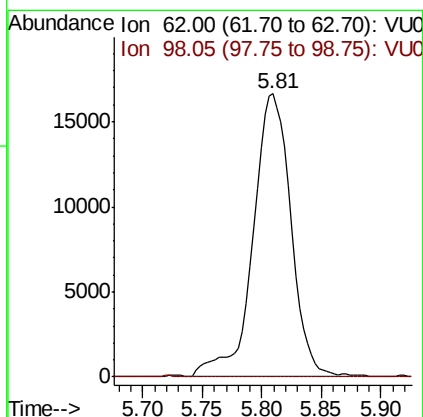
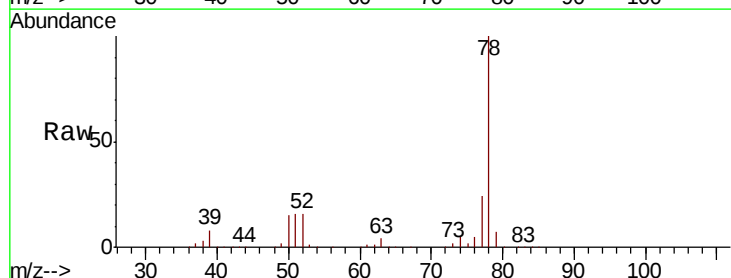
Instrument :
MSVOA_U
ClientSampleId :

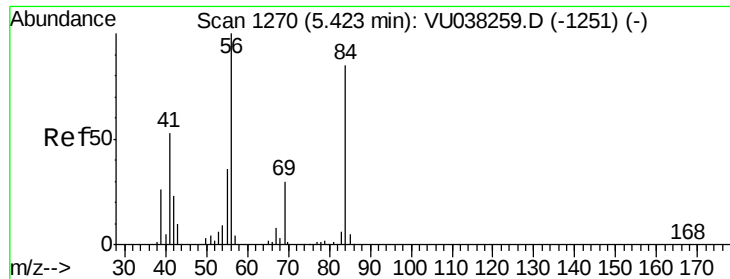
Tot Ion: 83 Resp: 22865
Ion Ratio Lower Upper
83 100
85 59.4 46.2 85.8



#27
1,2-Dichloroethane
Concen: 1.240 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.02 min
Lab File: VU038399.D
Acq: 30 May 2020 00:15

Tgt Ion: 62 Resp: 36748
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.8#

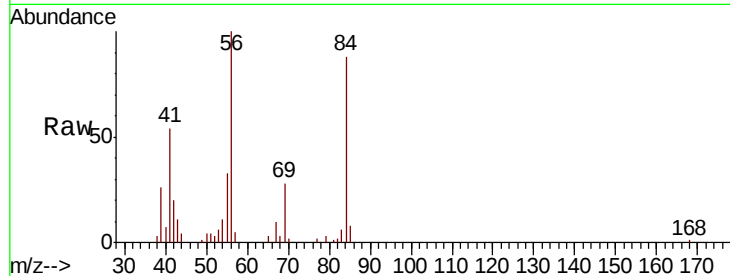




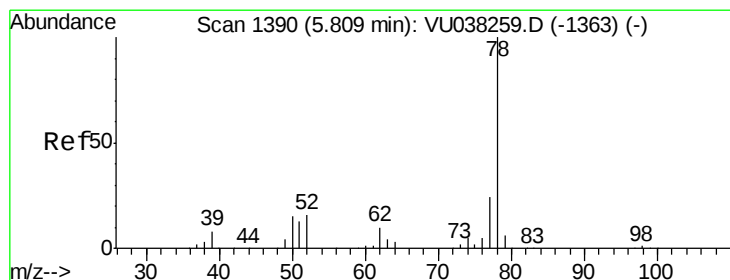
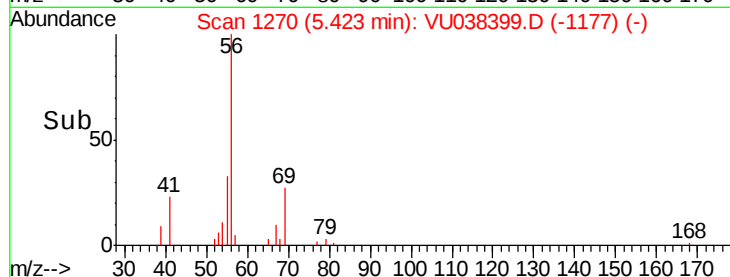
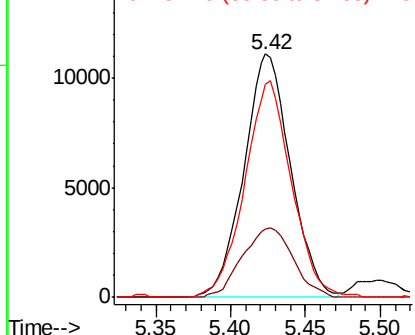
#30
Cyclohexane
Concen: 0.605 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038399.D
Acq: 30 May 2020 00:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 24058
Ion Ratio Lower Upper
56 100
69 30.9 24.2 36.4
84 89.2 68.5 102.7

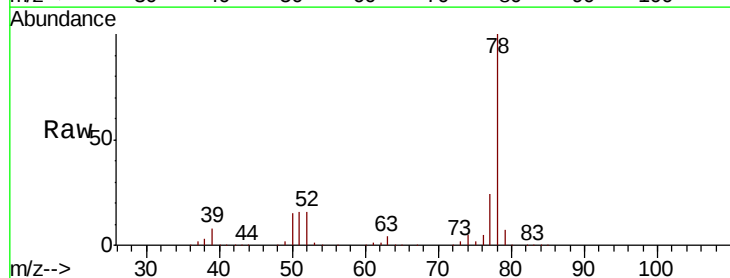


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

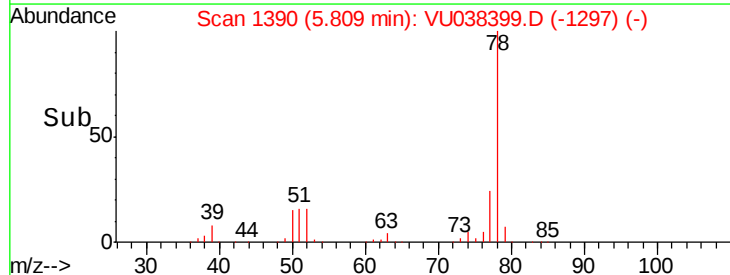
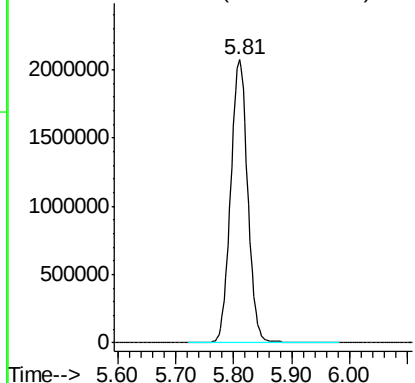


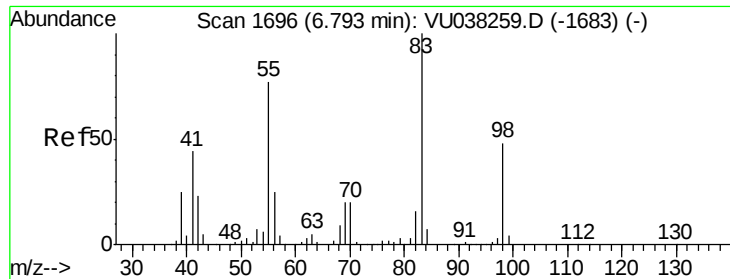
#33
Benzene
Concen: 44.960 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU038399.D
Acq: 30 May 2020 00:15

Tgt Ion: 78 Resp: 4233730



Abundance Ion 78.10 (77.80 to 78.80): VU0

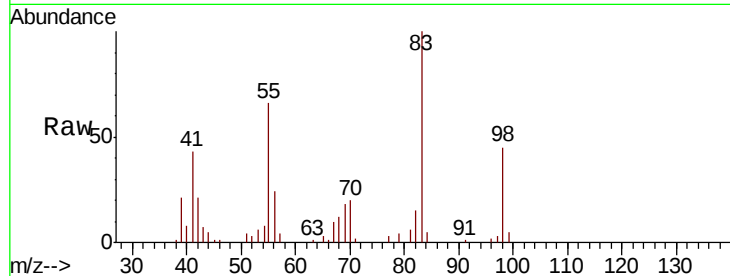




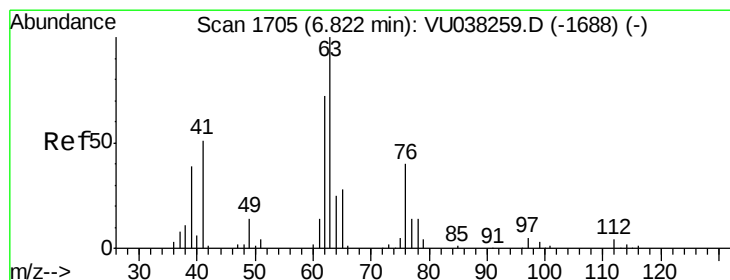
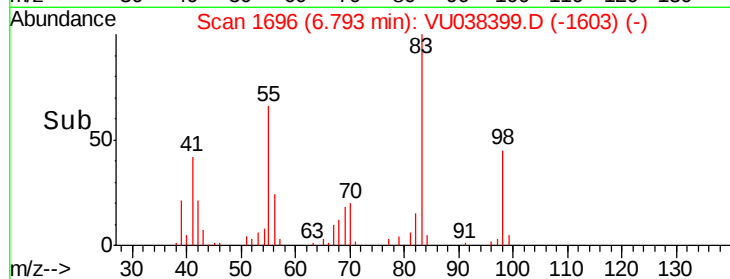
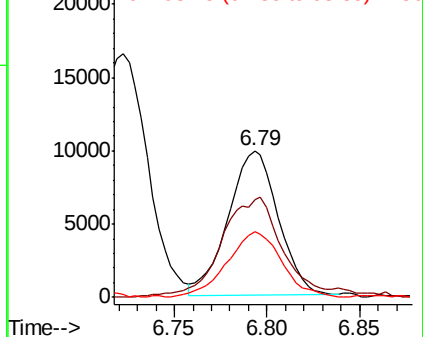
#35
Methvlcvclohexane
Concen: 0.483 ug/L
RT: 6.79 min Scan# 1696
Delta R.T. -0.00 min
Lab File: VU038399.D
Acq: 30 May 2020 00:15

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 18428
Ion Ratio Lower Upper
83 100
55 86.9 66.7 100.1
98 49.9 39.4 59.2

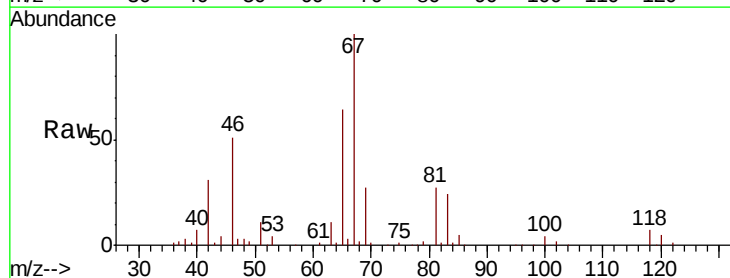


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

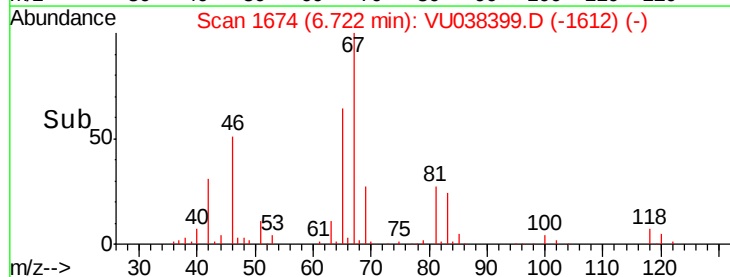
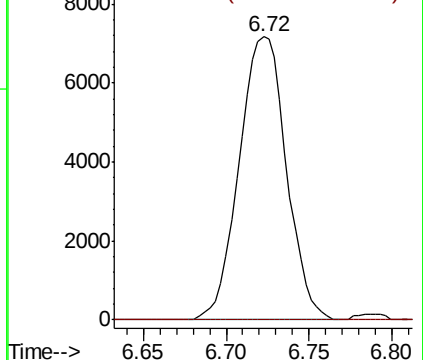


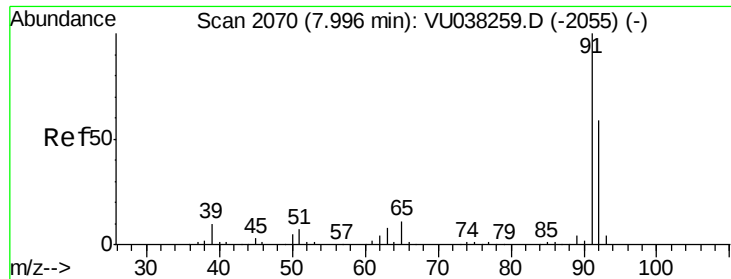
#37
1,2-Dichloropropane
Concen: 0.553 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038399.D
Acq: 30 May 2020 00:15

Tgt Ion: 63 Resp: 14153
Ion Ratio Lower Upper
63 100
112 1.6 3.1 4.7#



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





#42

Toluene

Concen: 0.199 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038399.D

Acq: 30 May 2020 00:15

Instrument :

MSVOA_U

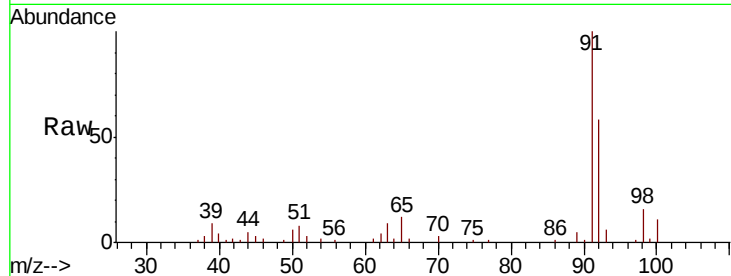
ClientSampled :

Tot Ion: 91 Resp: 19804

Ion Ratio Lower Upper

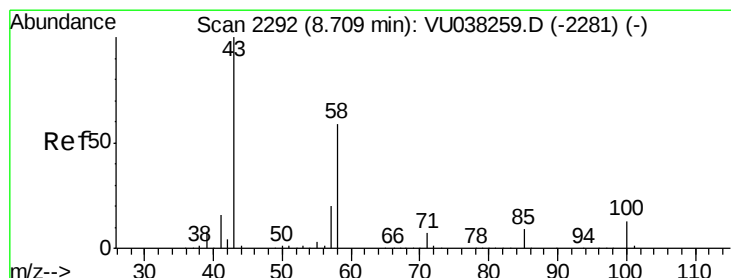
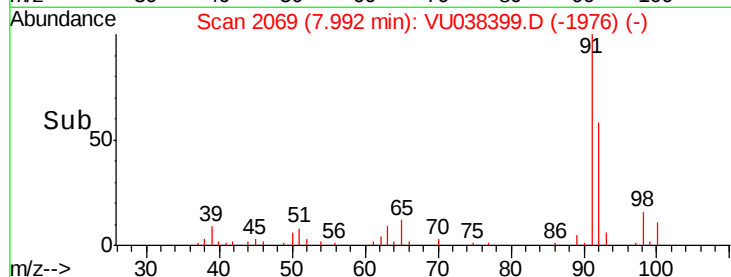
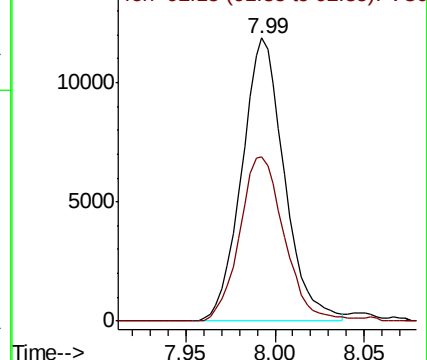
91 100

92 58.0 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) (-)



#48

2-Hexanone

Concen: 1.159 ug/L

RT: 8.71 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU038399.D

Acq: 30 May 2020 00:15

Tgt Ion: 43 Resp: 15051

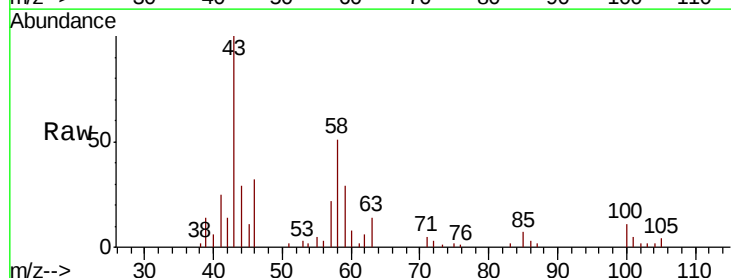
Ion Ratio Lower Upper

43 100

58 57.8 45.2 67.8

57 24.8 15.5 23.3#

100 12.3 9.5 14.3

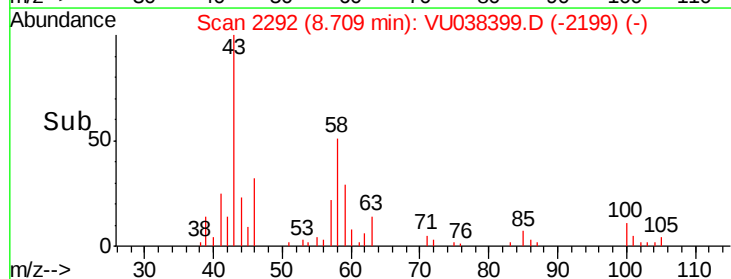
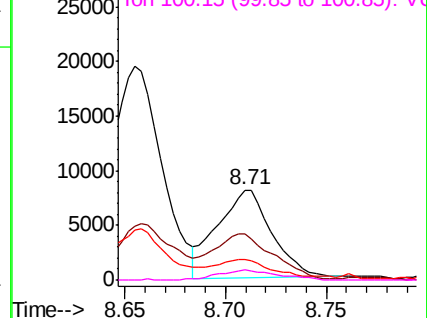


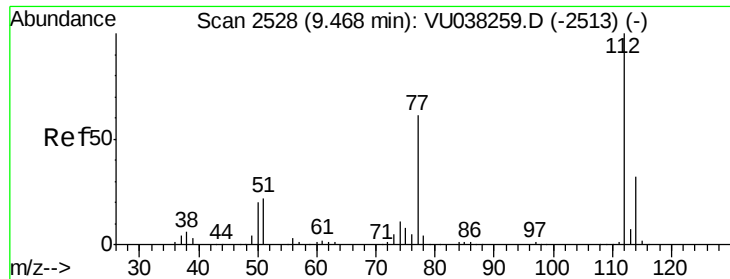
Abundance Ion 43.05 (42.75 to 43.75): VU038259.D (-2281) (-)

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) (-)





#51

Chlorobenzene

Concen: 8.302 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038399.D

Acq: 30 May 2020 00:15

Instrument :
MSVOA_U
ClientSampleId :

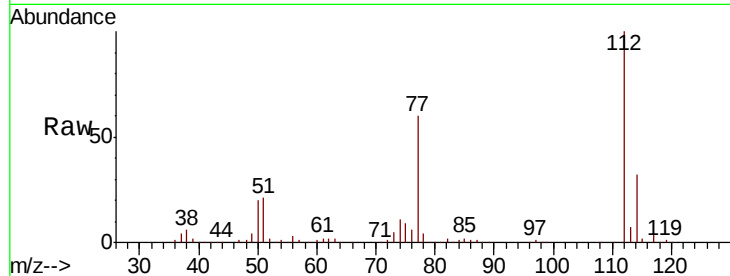
Tot Ion:112 Resp: 512130

Ion Ratio Lower Upper

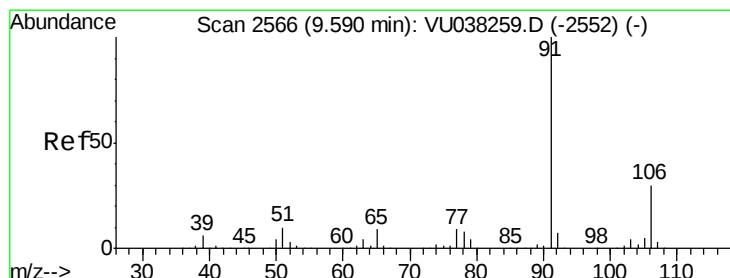
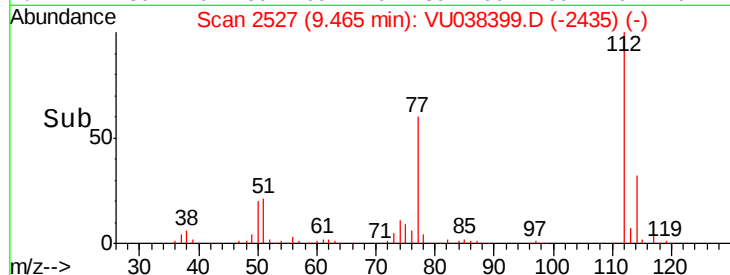
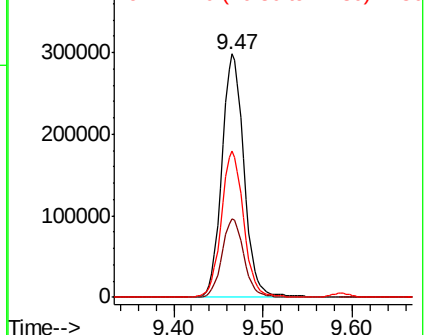
112 100

114 32.3 22.5 41.7

77 60.1 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#52

Ethylbenzene

Concen: 0.924 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038399.D

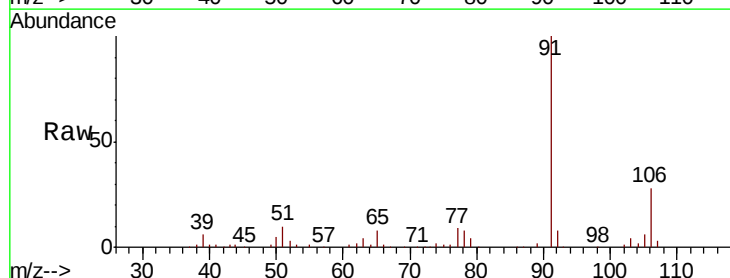
Acq: 30 May 2020 00:15

Tgt Ion: 91 Resp: 99506

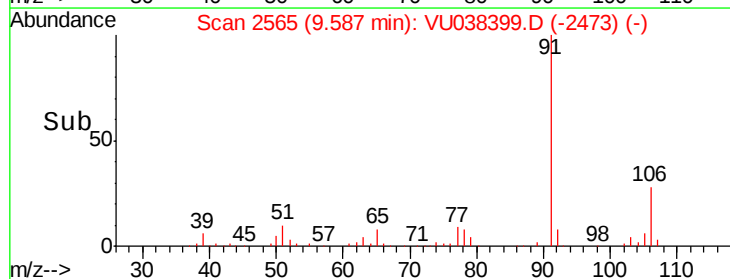
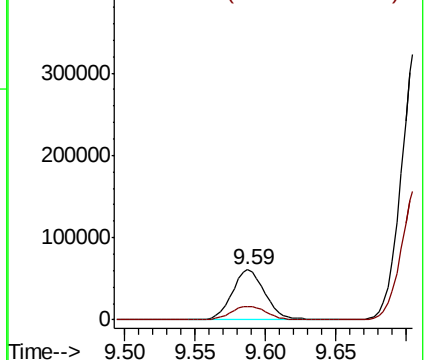
Ion Ratio Lower Upper

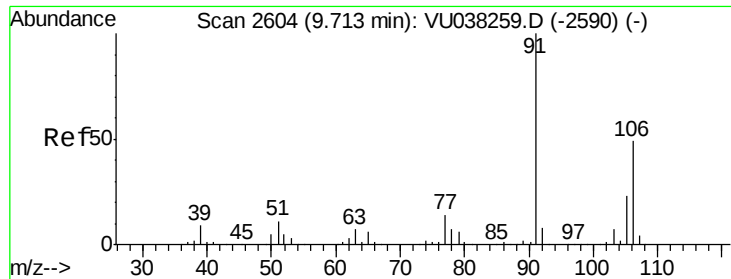
91 100

106 27.9 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): V
Ion 106.15 (105.85 to 106.85): V

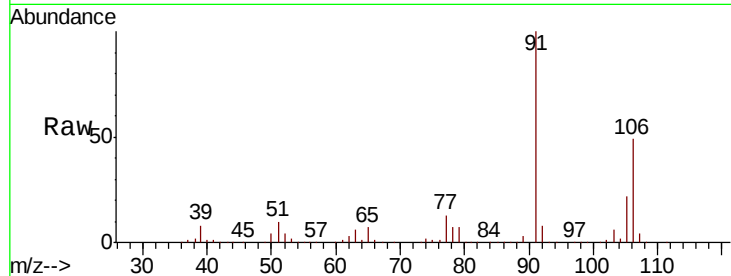




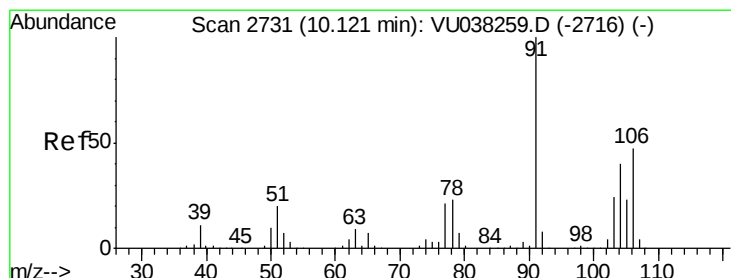
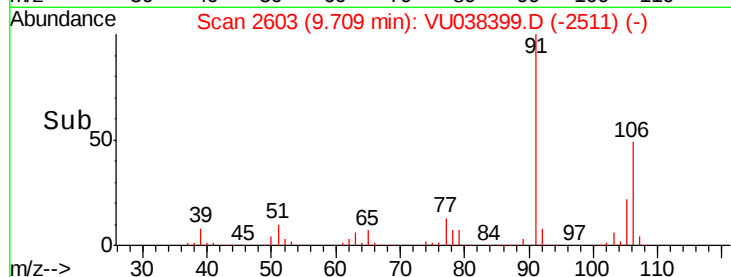
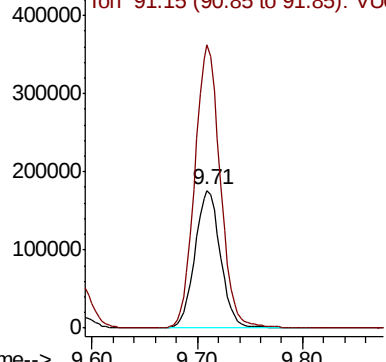
#53
m,p-Xylene
Concen: 7.180 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VU038399.D
Acq: 30 May 2020 00:15

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 296445
Ion Ratio Lower Upper
106 100
91 205.0 142.1 263.9

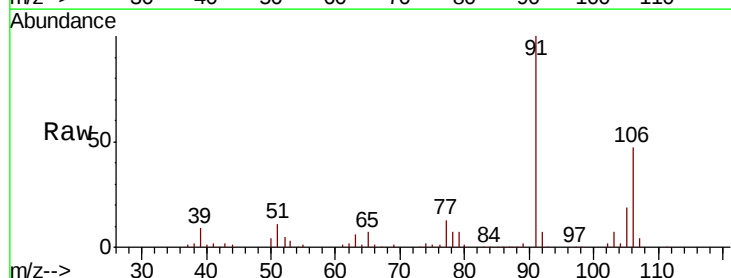


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

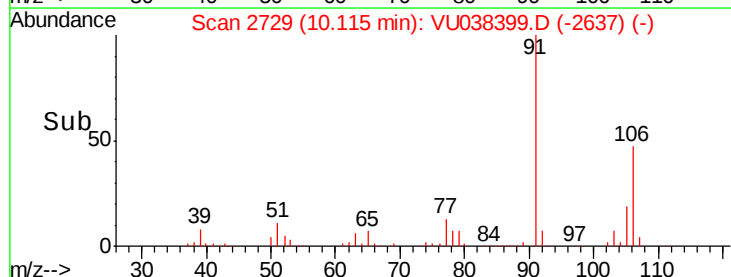
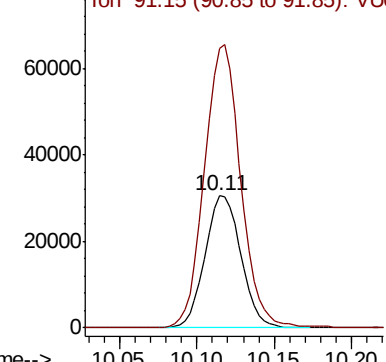


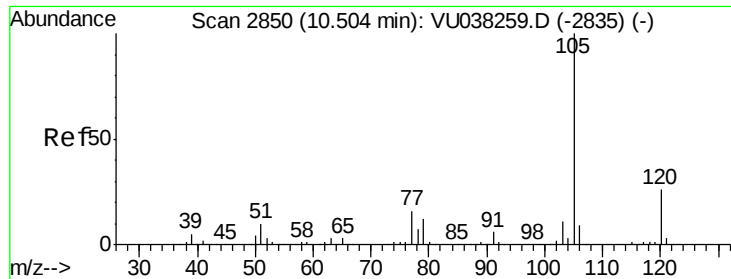
#54
o-Xylene
Concen: 1.234 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038399.D
Acq: 30 May 2020 00:15

Tgt Ion:106 Resp: 49275
Ion Ratio Lower Upper
106 100
91 211.3 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 2.642 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038399.D

Acq: 30 May 2020 00:15

Instrument :

MSVOA_U

ClientSampled :

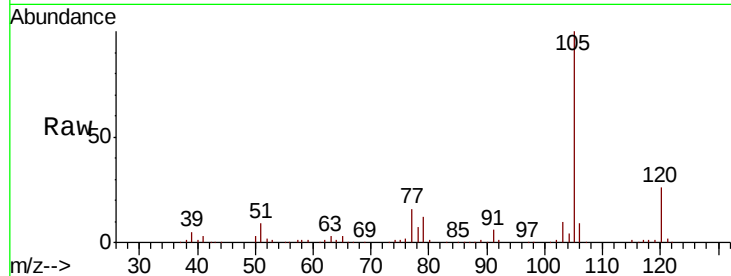
Tot Ion:105 Resp: 270903

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.6

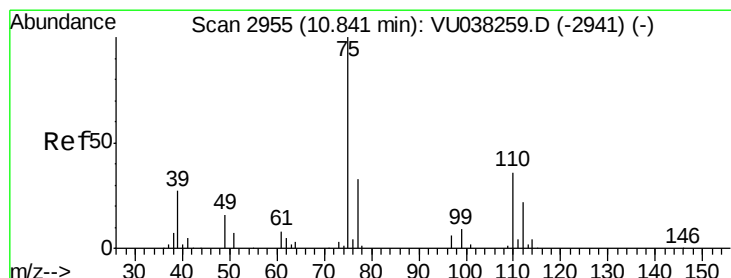
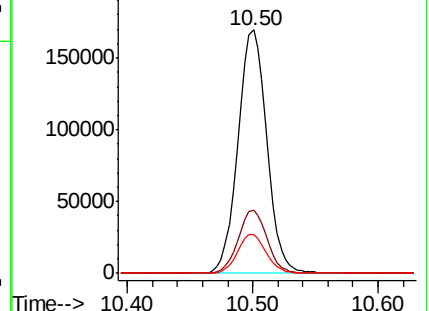
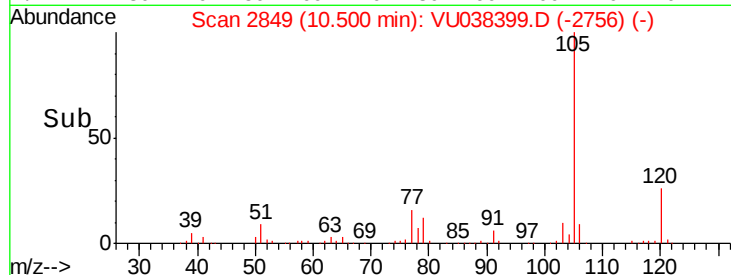
77 15.9 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU



#59

1,2,3-Trichloropropane

Concen: 0.177 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.34 min

Lab File: VU038399.D

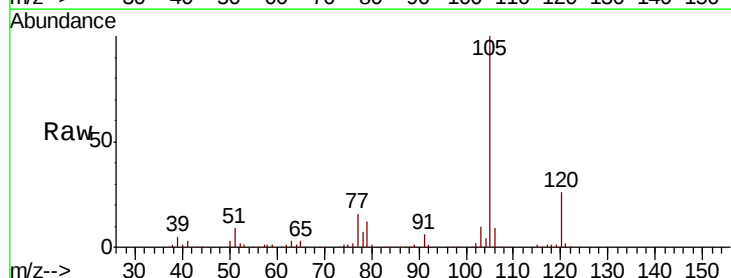
Acq: 30 May 2020 00:15

Tgt Ion: 75 Resp: 3045

Ion Ratio Lower Upper

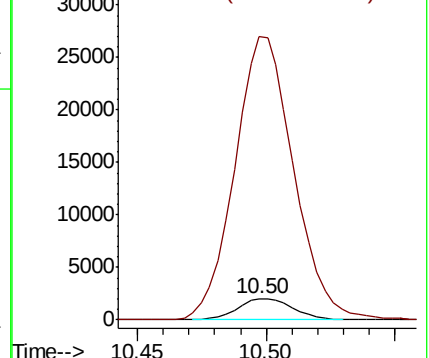
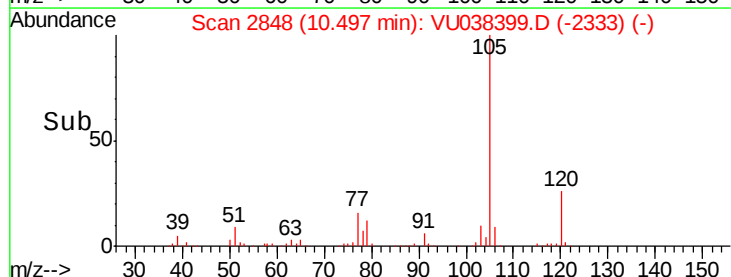
75 100

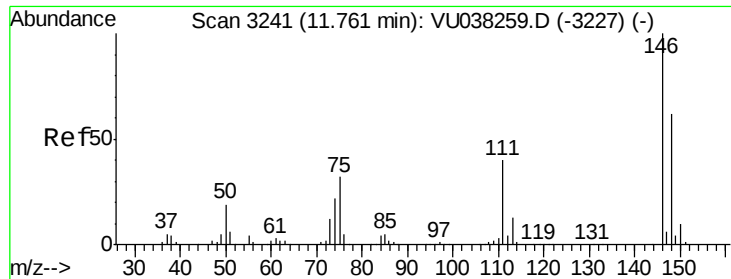
77 1415.0 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#62

1,3-Dichlorobenzene

Concen: 0.111 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038399.D

Acq: 30 May 2020 00:15

Instrument :

MSVOA_U

ClientSampleId :

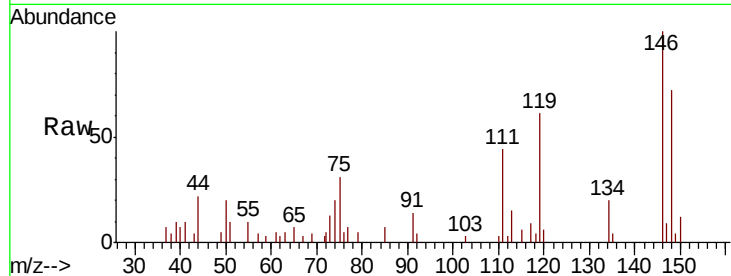
Tot Ion:146 Resp: 5416

Ion Ratio Lower Upper

146 100

111 43.6 28.6 53.2

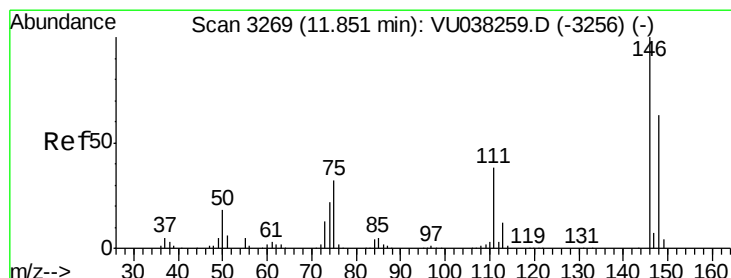
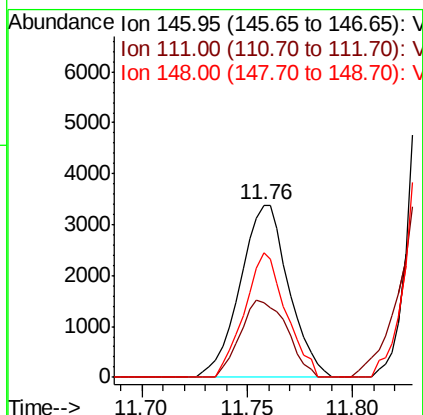
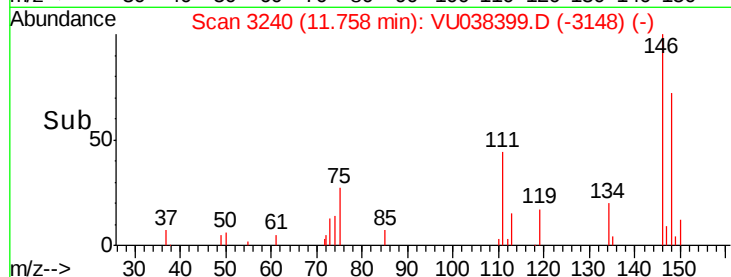
148 72.1 45.2 84.0



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



#63

1,4-Dichlorobenzene

Concen: 1.005 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU038399.D

Acq: 30 May 2020 00:15

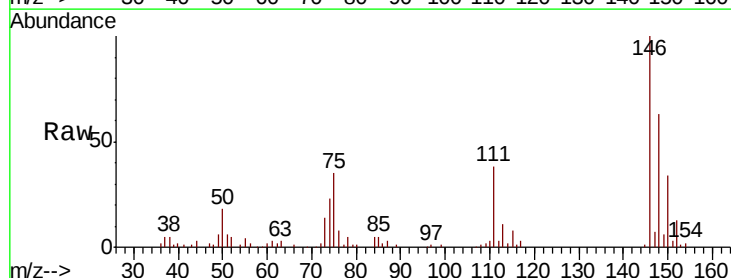
Tgt Ion:146 Resp: 49591

Ion Ratio Lower Upper

146 100

111 38.5 27.2 50.6

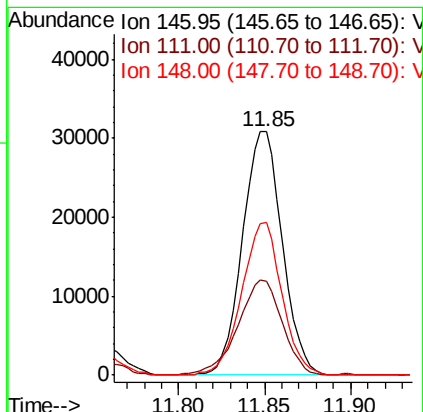
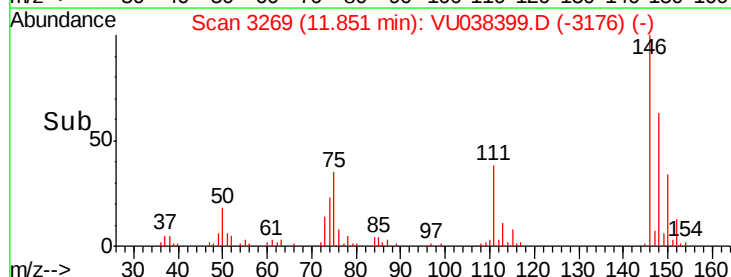
148 62.9 43.8 81.3

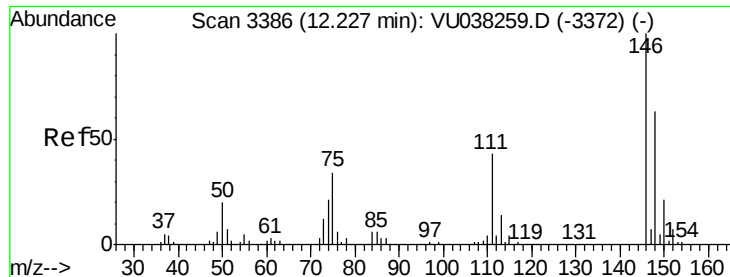


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.684 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038399.D

Acq: 30 May 2020 00:15

Instrument :

MSVOA_U

ClientSampleId :

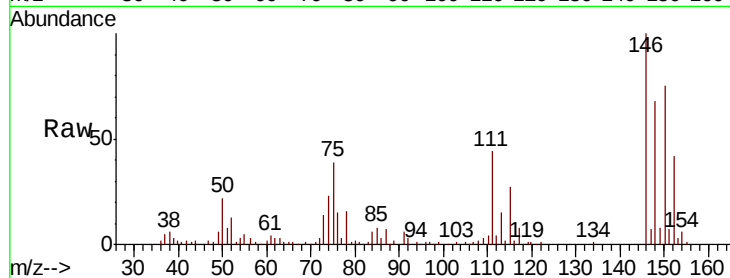
Tot Ion:146 Resp: 78849

Ion Ratio Lower Upper

146 100

111 44.2 35.3 52.9

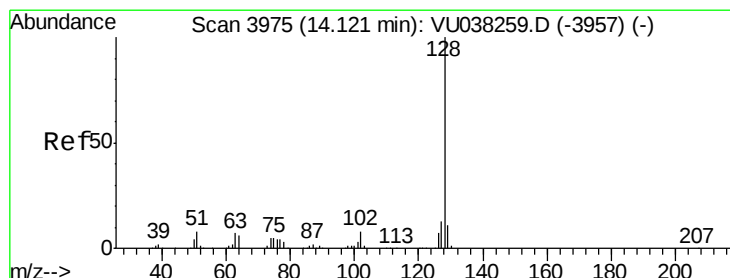
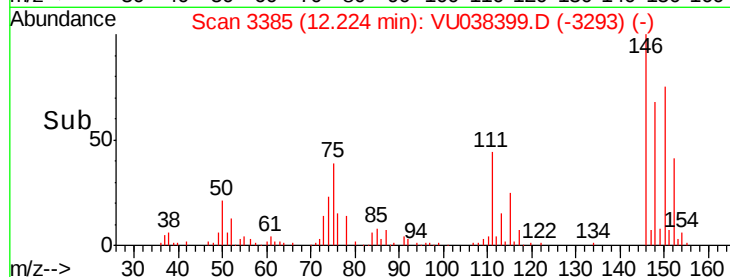
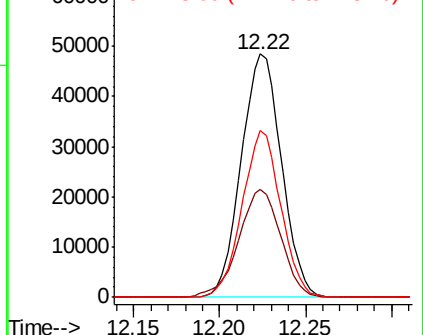
148 68.4 51.0 76.4



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: 0.229 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038399.D

Acq: 30 May 2020 00:15

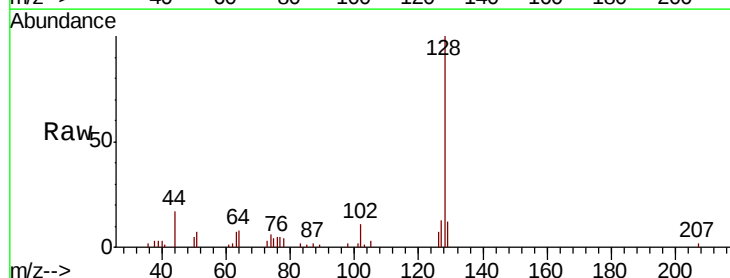
Tgt Ion:128 Resp: 15451

Ion Ratio Lower Upper

128 100

129 11.9 8.7 13.1

127 13.3 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

