

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053020\
 Data File : VU038400.D
 Acq On : 30 May 2020 00:38
 Operator : JC/MD
 Sample : L2766-05DL 200X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 30 02:22:09 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	302649	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	294781	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	144109	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	90259	3.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.20%
7) Chloroethane-d5	1.93	69	84507	3.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.60%
11) 1,1-Dichloroethene-d2	2.59	63	138954	3.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.00%
20) 2-Butanone-d5	4.67	46	352708	51.64	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.28%
24) Chloroform-d	5.10	84	197207	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.74	65	120874	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.76	84	410738	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.72	67	129217	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.92	98	348403	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	8.20	79	49977	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.65	63	299368	55.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.02%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	109141	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	141421	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

					Ovalue
8) Chloroethane	1.95	64	4825	0.240 ug/L #	75
16) Methylene chloride	3.08	84	2929	0.120 ug/L #	72
27) 1,2-Dichloroethane	5.81	62	5438	0.184 ug/L #	73
33) Benzene	5.81	78	542727	5.749 ug/L	100
35) Methylcyclohexane	6.72	83	30525	0.798 ug/L #	16
37) 1,2-Dichloropropane	6.72	63	14207	0.554 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3479	0.095 ug/L #	67
42) Toluene	7.99	91	893137	8.963 ug/L	98
51) Chlorobenzene	9.46	112	35603	0.576 ug/L	93
52) Ethylbenzene	9.59	91	116717	1.081 ug/L	99
53) m,p-Xylene	9.71	106	104770	2.531 ug/L	96
54) o-Xylene	10.11	106	35549	0.888 ug/L	87
59) 1,2,3-Trichloropropane	11.83	75	18730	1.088 ug/L	91
65) 1,2-Dichlorobenzene	12.22	146	3742	0.083 ug/L #	81
66) 1,2-Dibromo-3-chloropropan	12.80	75	594	0.161 ug/L #	8

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QLast Update : Sat May 30 00:03:10 2020
Response via : Initial Calibration

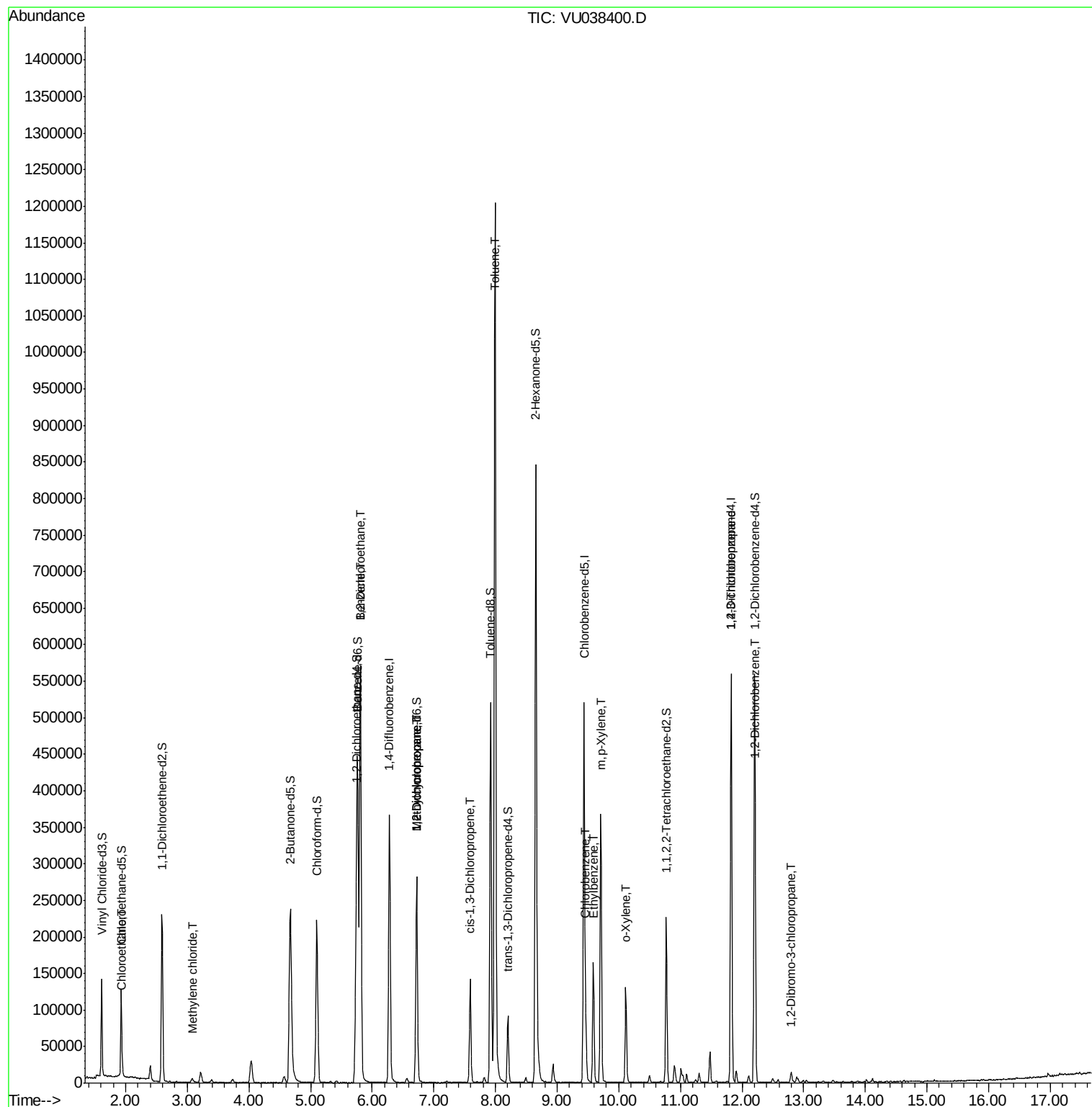
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

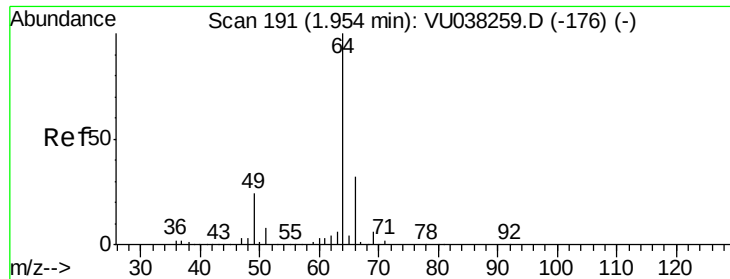
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 00:03:10 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.240 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038400.D

Acq: 30 May 2020 00:38

Instrument :

MSVOA_U

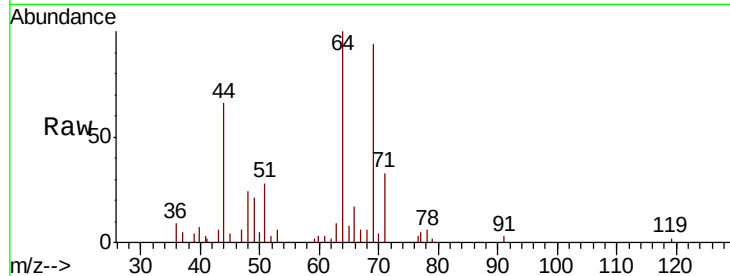
ClientSampleId :

Tot Ion: 64 Resp: 4825

Ion Ratio Lower Upper

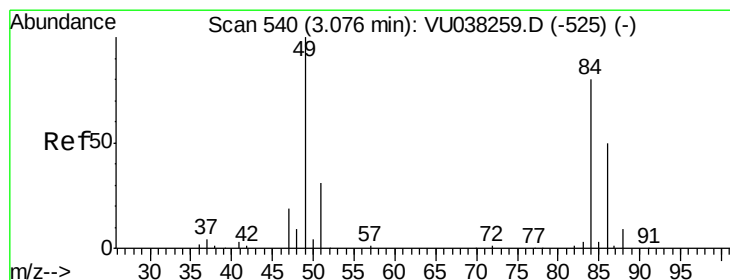
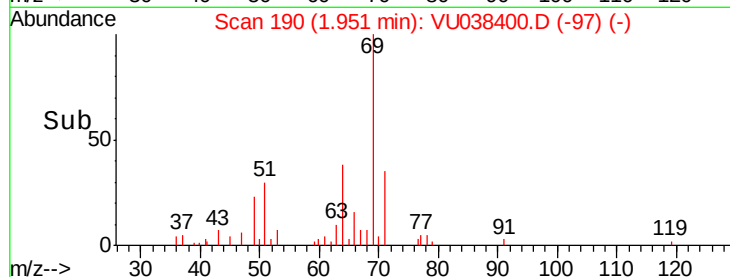
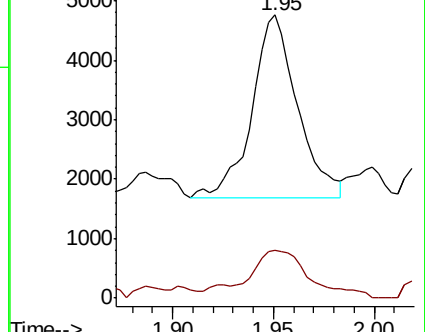
64 100

66 17.1 21.8 40.4#



Abundance Ion 64.10 (63.80 to 64.80): VU038259.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU038259.D (-176) (-)



#16

Methylene chloride

Concen: 0.120 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU038400.D

Acq: 30 May 2020 00:38

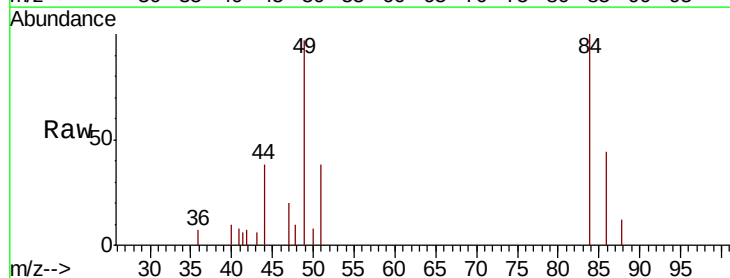
Tgt Ion: 84 Resp: 2929

Ion Ratio Lower Upper

84 100

86 43.9 44.9 83.3#

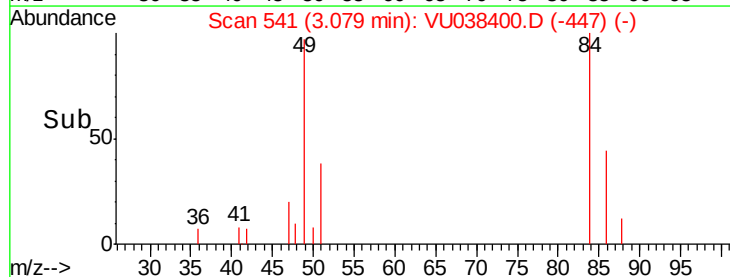
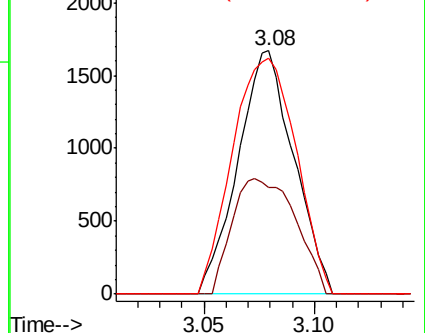
49 96.7 92.0 170.9

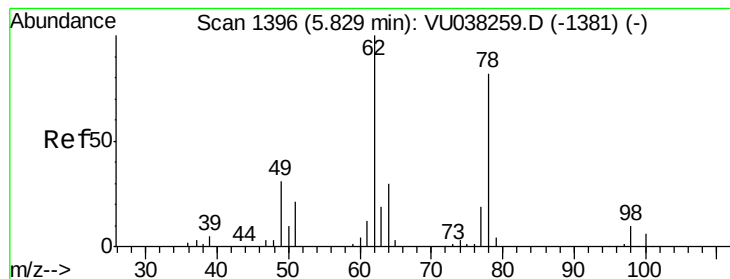


Abundance Ion 84.05 (83.75 to 84.75): VU038259.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038259.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038259.D (-525) (-)





#27

1,2-Dichloroethane

Concen: 0.184 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.02 min

Lab File: VU038400.D

Acq: 30 May 2020 00:38

Instrument :

MSVOA_U

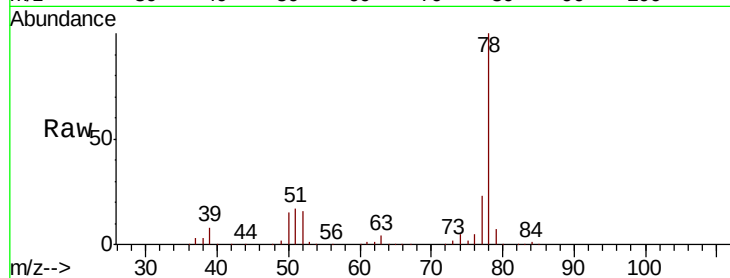
ClientSampled :

Tot Ion: 62 Resp: 5438

Ion Ratio Lower Upper

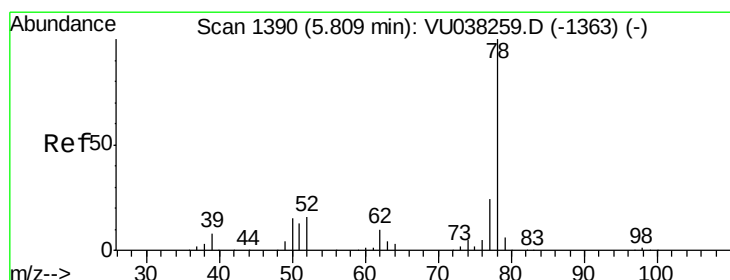
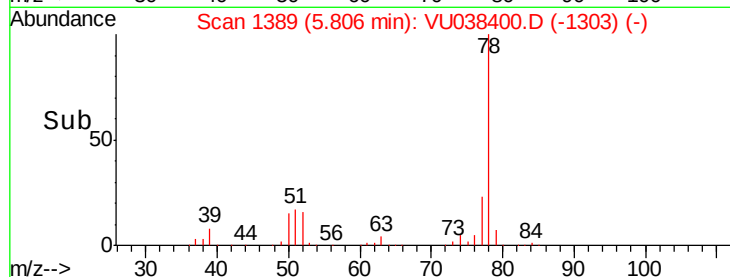
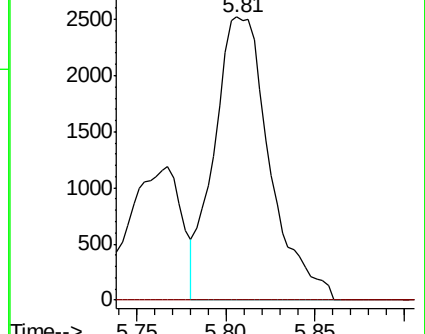
62 100

98 0.0 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#33

Benzene

Concen: 5.749 ug/L

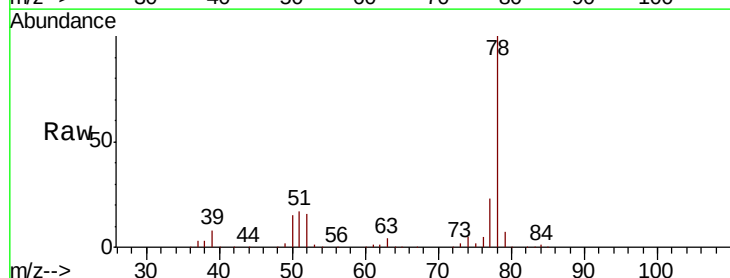
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

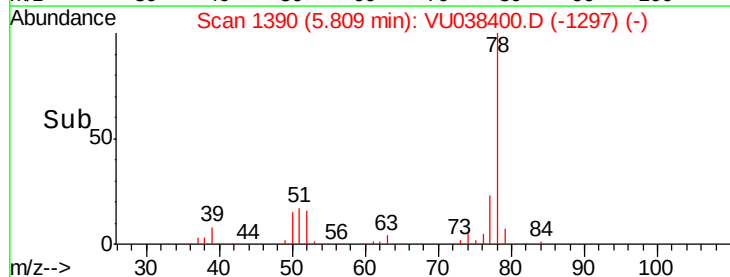
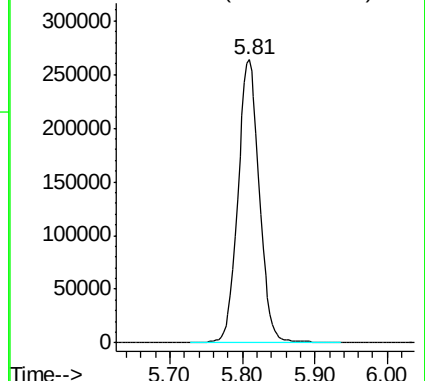
Lab File: VU038400.D

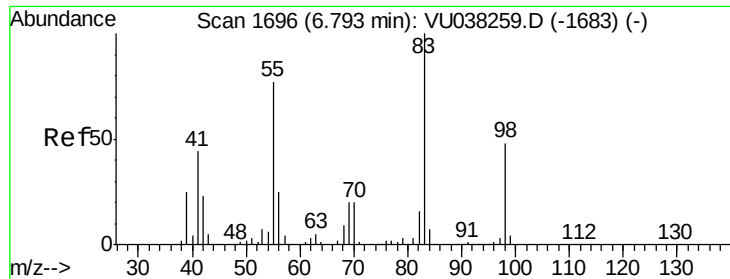
Acq: 30 May 2020 00:38

Tgt Ion: 78 Resp: 542727



Abundance Ion 78.10 (77.80 to 78.80): VU0

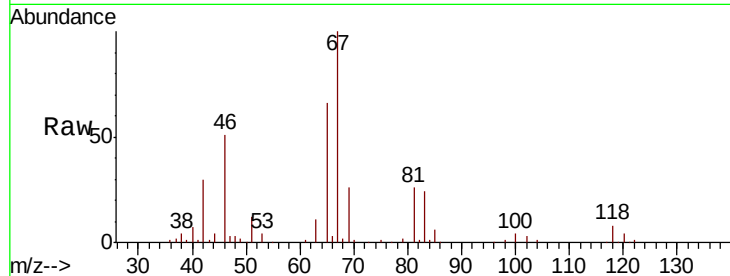




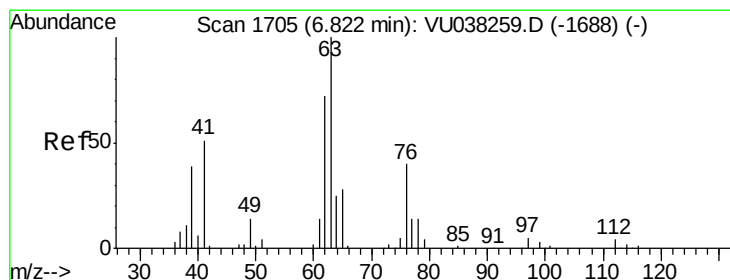
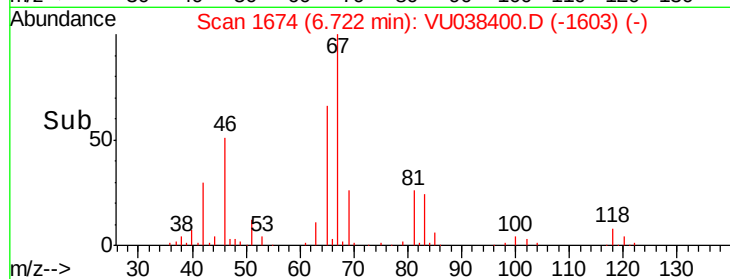
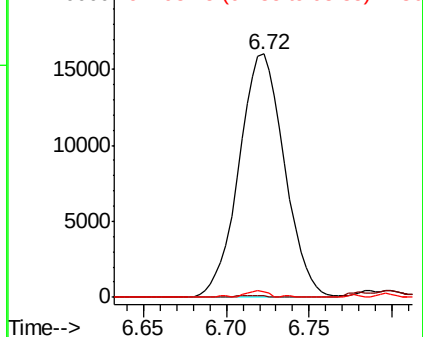
#35
Methylvlcyclohexane
Concen: 0.798 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038400.D
Acq: 30 May 2020 00:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 30525
Ion Ratio Lower Upper
83 100
55 0.5 66.7 100.1#
98 1.3 39.4 59.2#

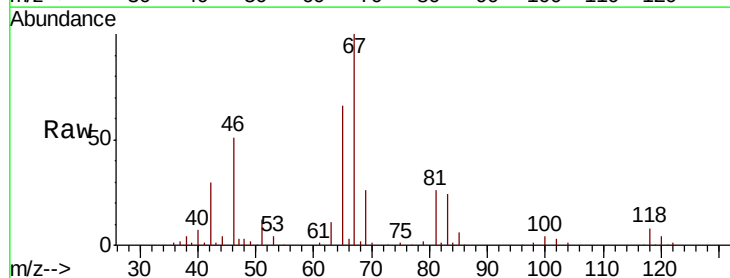


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

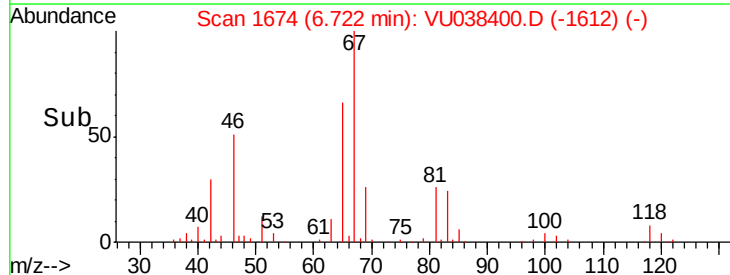
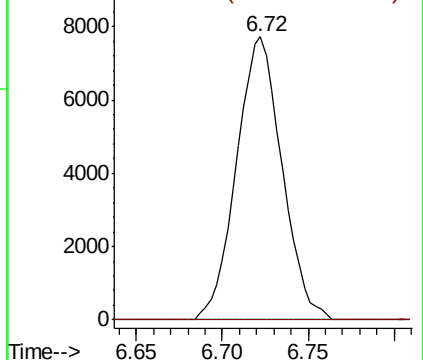


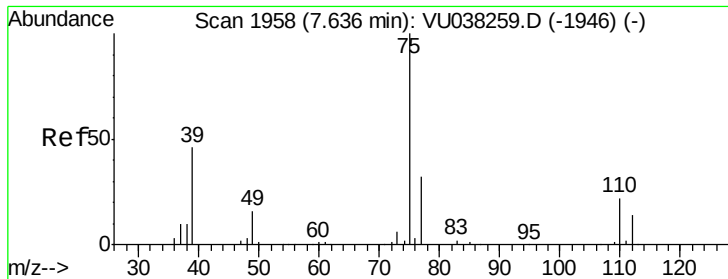
#37
1,2-Dichloropropane
Concen: 0.554 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038400.D
Acq: 30 May 2020 00:38

Tgt Ion: 63 Resp: 14207
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



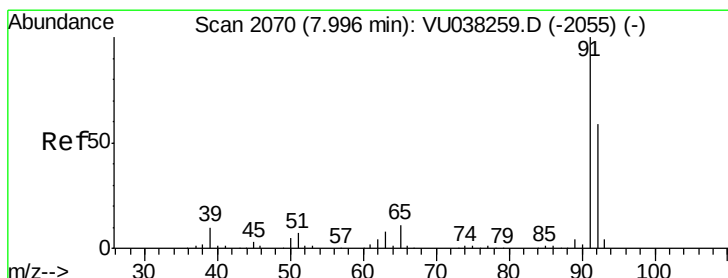
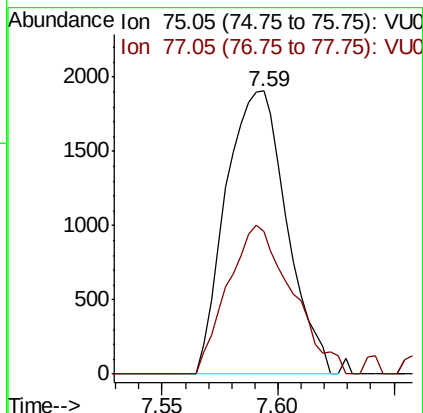
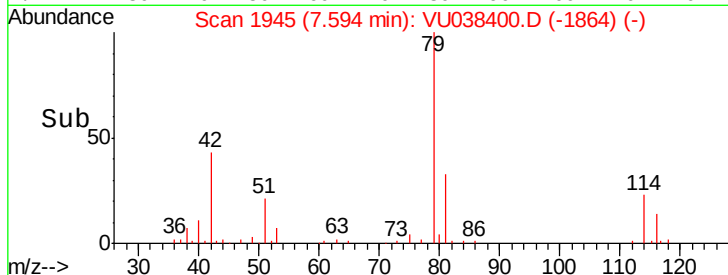
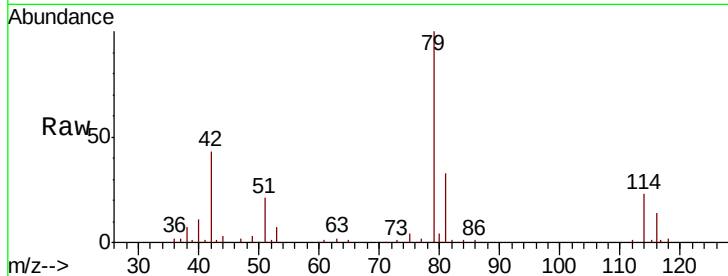


#39

cis-1,3-Dichloropropene
Concen: 0.095 ug/L
RT: 7.59 min Scan# 1945
Delta R.T. -0.04 min
Lab File: VU038400.D
Acq: 30 May 2020 00:38

Instrument :
MSVOA_U
ClientSampled :

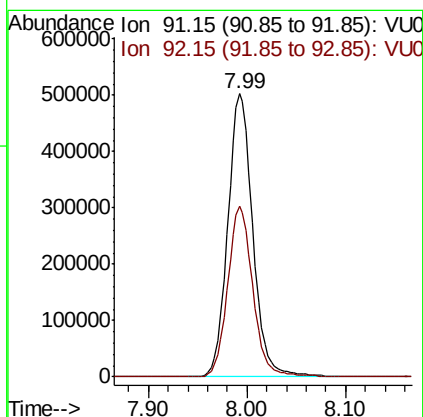
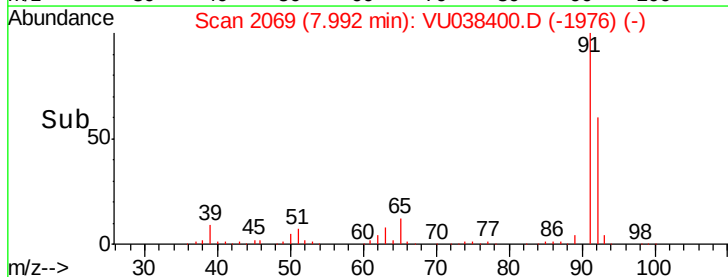
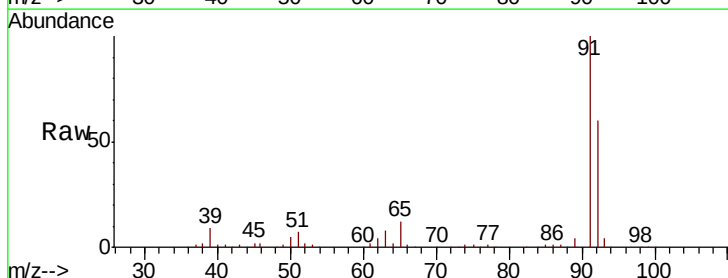
Tot Ion: 75 Resp: 3479
Ion Ratio Lower Upper
75 100
77 50.4 22.4 41.6#

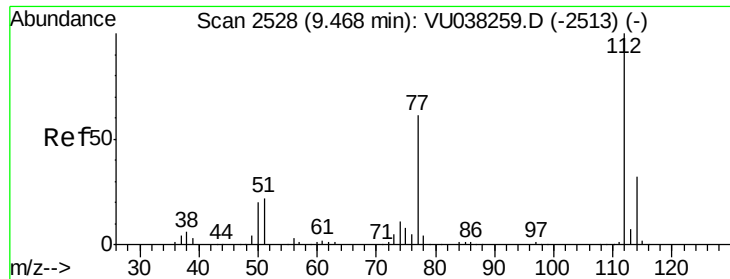


#42

Toluene
Concen: 8.963 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. -0.00 min
Lab File: VU038400.D
Acq: 30 May 2020 00:38

Tgt Ion: 91 Resp: 893137
Ion Ratio Lower Upper
91 100
92 60.2 40.9 75.9





#51

Chlorobenzene

Concen: 0.576 ug/L

RT: 9.46 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038400.D

Acq: 30 May 2020 00:38

Instrument :

MSVOA_U

ClientSampled :

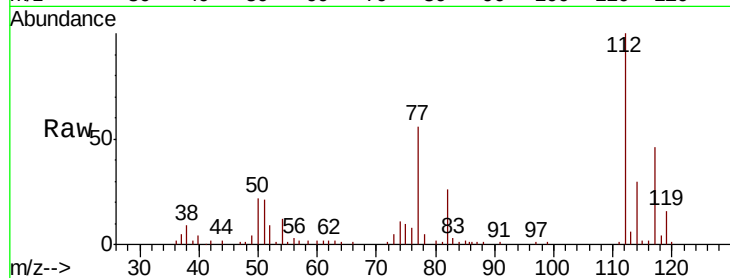
Tot Ion:112 Resp: 35603

Ion Ratio Lower Upper

112 100

114 30.1 22.5 41.7

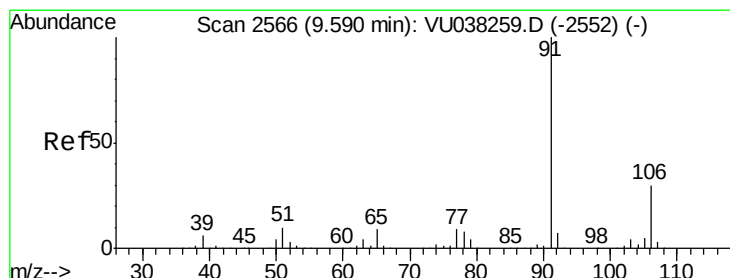
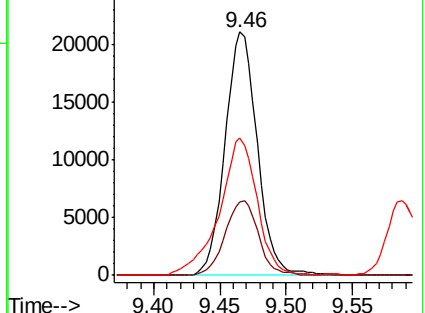
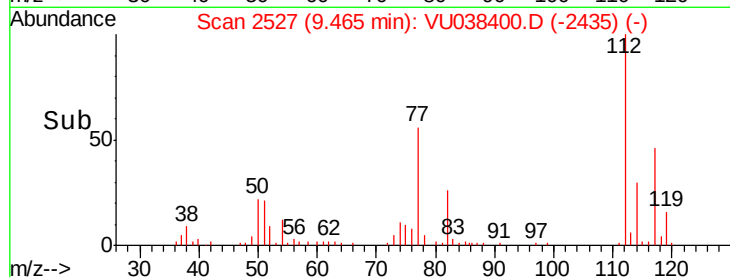
77 56.2 49.9 74.9



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): VU0



#52

Ethylbenzene

Concen: 1.081 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038400.D

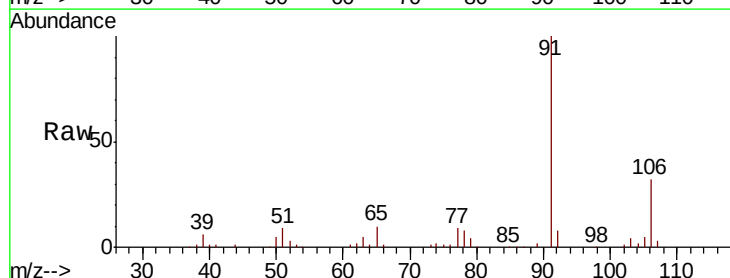
Acq: 30 May 2020 00:38

Tgt Ion: 91 Resp: 116717

Ion Ratio Lower Upper

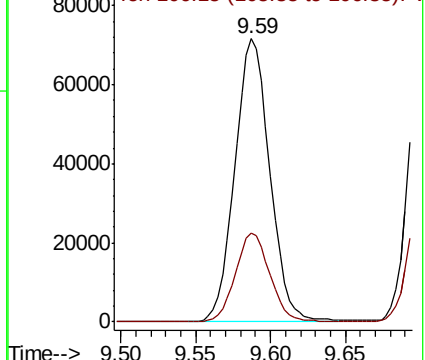
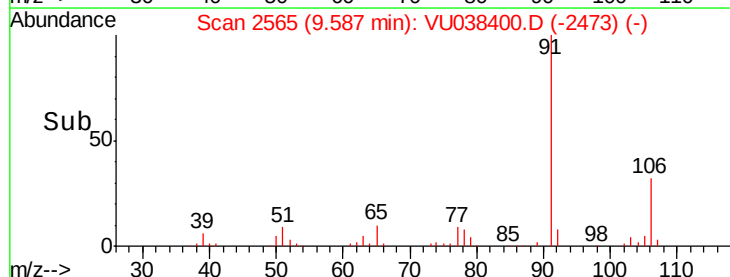
91 100

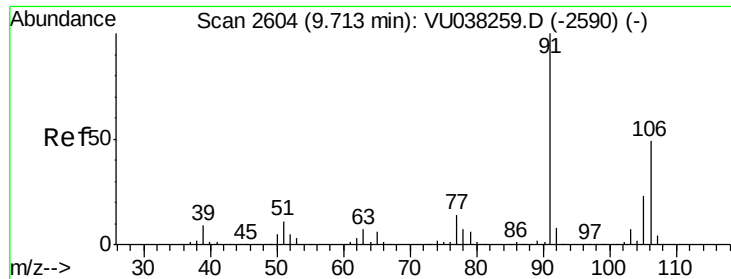
106 31.5 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 2.531 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038400.D

Acq: 30 May 2020 00:38

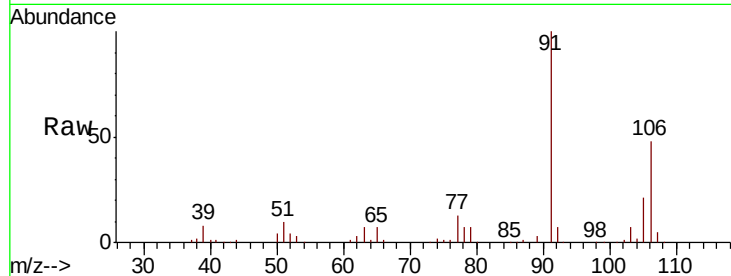
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 104770

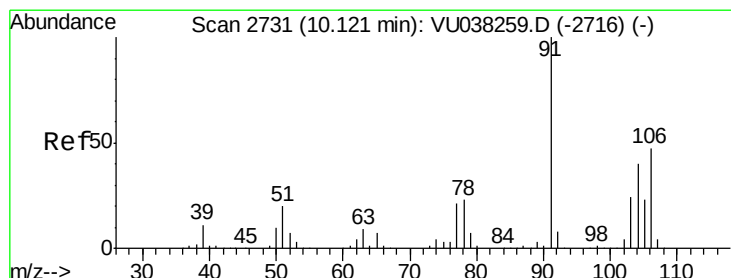
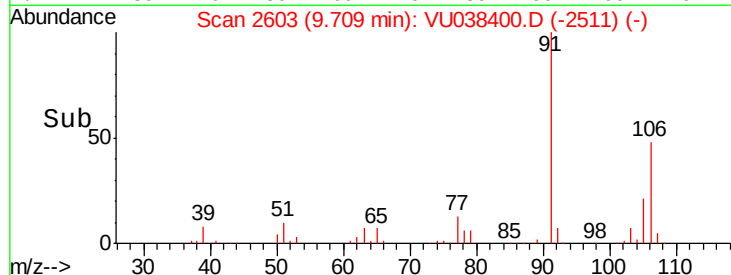
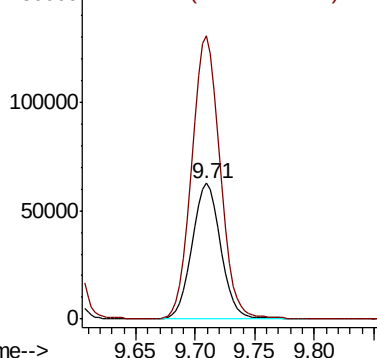
Ion Ratio Lower Upper

106 100

91 208.8 142.1 263.9



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



#54

o-Xylene

Concen: 0.888 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038400.D

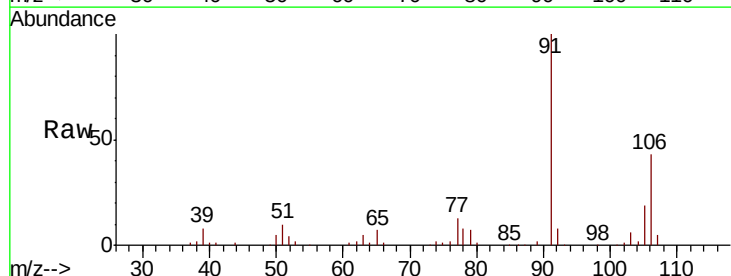
Acq: 30 May 2020 00:38

Tgt Ion:106 Resp: 35549

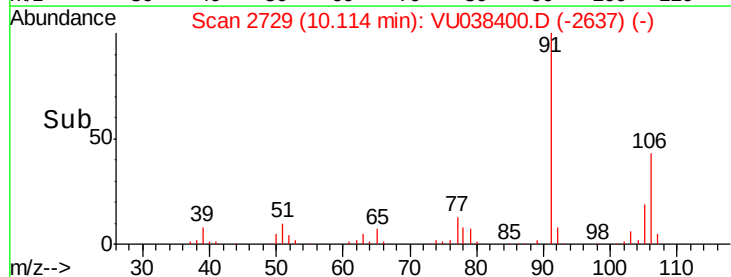
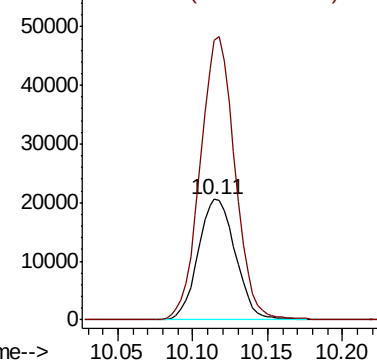
Ion Ratio Lower Upper

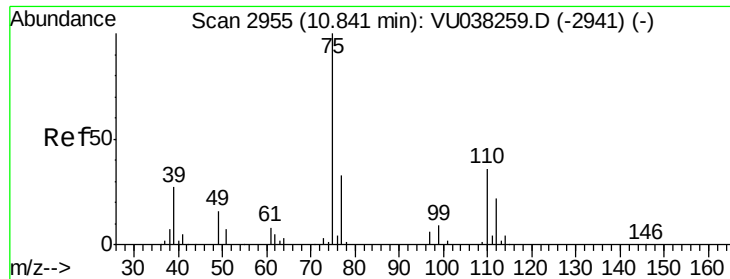
106 100

91 232.0 148.5 275.9



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





#59

1,2,3-Trichloropropane

Concen: 1.088 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038400.D

Acq: 30 May 2020 00:38

Instrument :

MSVOA_U

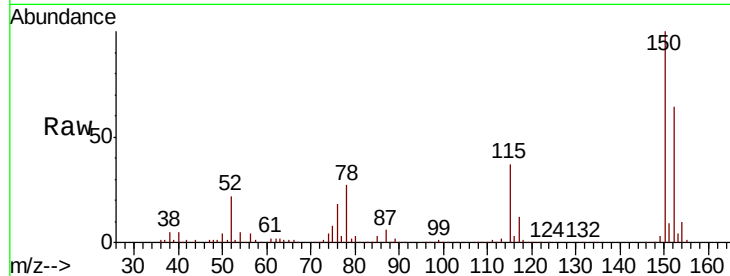
ClientSampled :

Tot Ion: 75 Resp: 18730

Ion Ratio Lower Upper

75 100

77 36.6 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU038259.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038259.D (-2941) (-)

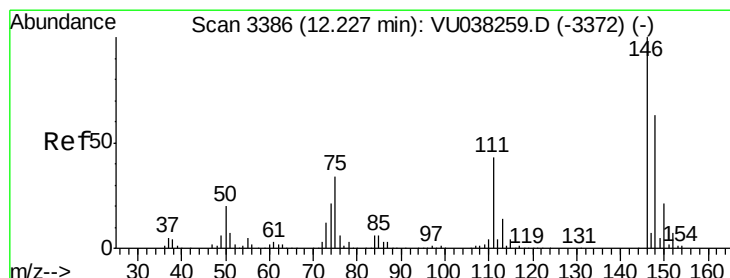
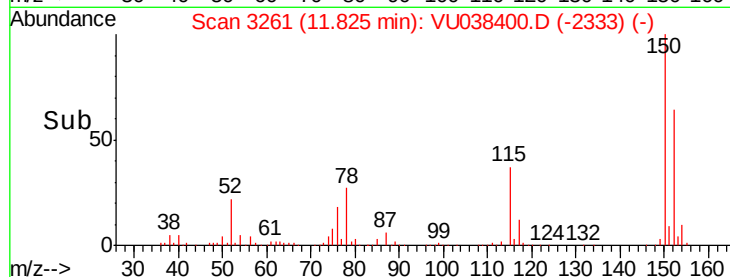
11.83

10000

5000

0

Time-->



#65

1,2-Dichlorobenzene

Concen: 0.083 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038400.D

Acq: 30 May 2020 00:38

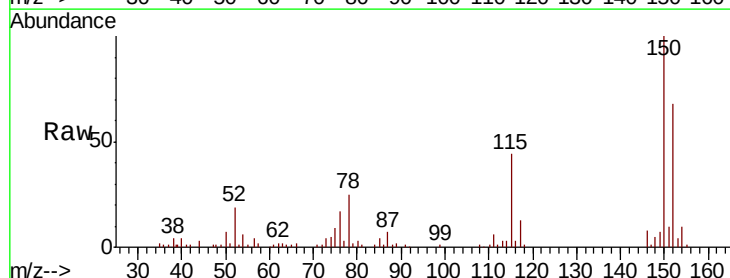
Tgt Ion: 146 Resp: 3742

Ion Ratio Lower Upper

146 100

111 70.3 35.3 52.9#

148 66.6 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): VU038259.D (-3372) (-)

Ion 111.00 (110.70 to 111.70): VU038259.D (-3372) (-)

Ion 148.00 (147.70 to 148.70): VU038259.D (-3372) (-)

12.22

3000

2500

2000

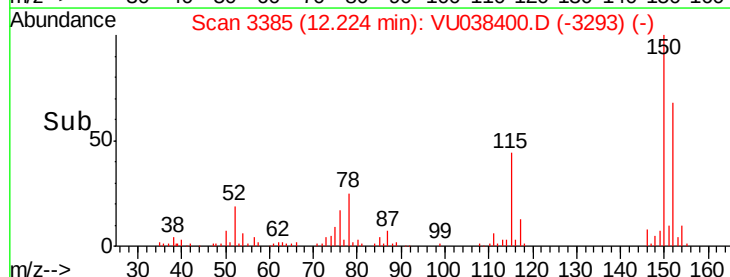
1500

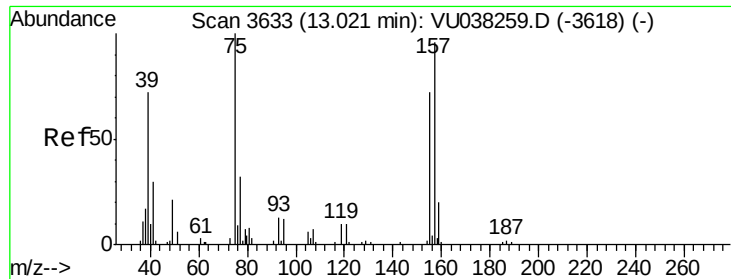
1000

500

0

Time-->





#66

1,2-Dibromo-3-chloropropane

Concen: 0.161 ug/L

RT: 12.80 min Scan# 3564

Delta R.T. -0.22 min

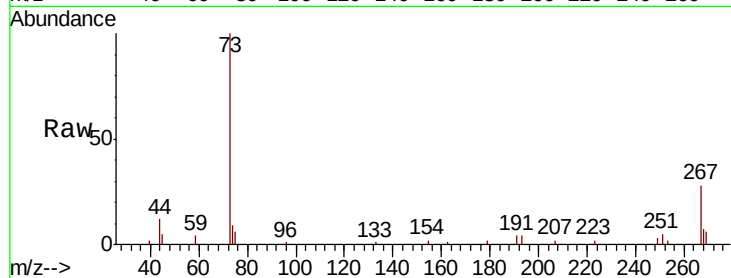
Lab File: VU038400.D

Acq: 30 May 2020 00:38

Instrument :

MSVOA_U

ClientSampleId :



Tot Ion:	75	Resp:	594
Ion	Ratio	Lower	Upper
75	100		
155	0.0	58.2	87.2#
157	0.0	72.9	109.3#

