

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052120\
 Data File : VU038273.D
 Acq On : 21 May 2020 18:58
 Operator : JC/MD
 Sample : L2724-11DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 22 01:06:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 01:03:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	469685	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	449291	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	221209	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	121078	2.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.40%
7) Chloroethane-d5	1.93	69	140550	3.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.60%
11) 1,1-Dichloroethene-d2	2.59	63	185630	2.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.60%#
20) 2-Butanone-d5	4.66	46	524820	49.51	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.02%
24) Chloroform-d	5.10	84	284842	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.74	65	167008	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	5.76	84	587004	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.72	67	192409	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	7.92	98	518844	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
43) trans-1,3-Dichloropropene-	8.20	79	67719	3.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.80%
46) 2-Hexanone-d5	8.65	63	468678	57.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.04%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	165296	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	202789	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	10217	0.327	ug/L #	65
16) Methylene chloride	3.08	84	4647	0.122	ug/L	91
27) 1,2-Dichloroethane	5.81	62	21970	0.480	ug/L #	73
33) Benzene	5.81	78	2516590	17.491	ug/L	100
37) 1,2-Dichloropropane	6.72	63	20402	0.522	ug/L #	89
42) Toluene	7.99	91	12308	0.081	ug/L	97
48) 2-Hexanone	8.71	43	25207	1.271	ug/L #	96
51) Chlorobenzene	9.47	112	766993	8.137	ug/L	98
52) Ethylbenzene	9.59	91	51522	0.313	ug/L	99
53) m,p-Xylene	9.71	106	123484	1.957	ug/L	99
54) o-Xylene	10.12	106	21952	0.360	ug/L	99
56) Isopropylbenzene	10.50	105	135232	0.863	ug/L	100
59) 1,2,3-Trichloropropane	11.82	75	33616	1.282	ug/L #	43
63) 1,4-Dichlorobenzene	11.85	146	14166	0.194	ug/L	91
65) 1,2-Dichlorobenzene	12.22	146	10056	0.145	ug/L	93
69) Naphthalene	14.11	128	46156	0.463	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052120\
Data File : VU038273.D
Acq On : 21 May 2020 18:58
Operator : JC/MD
Sample : L2724-11DL 40X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: May 22 01:06:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 22 01:03:14 2020
Response via : Initial Calibration

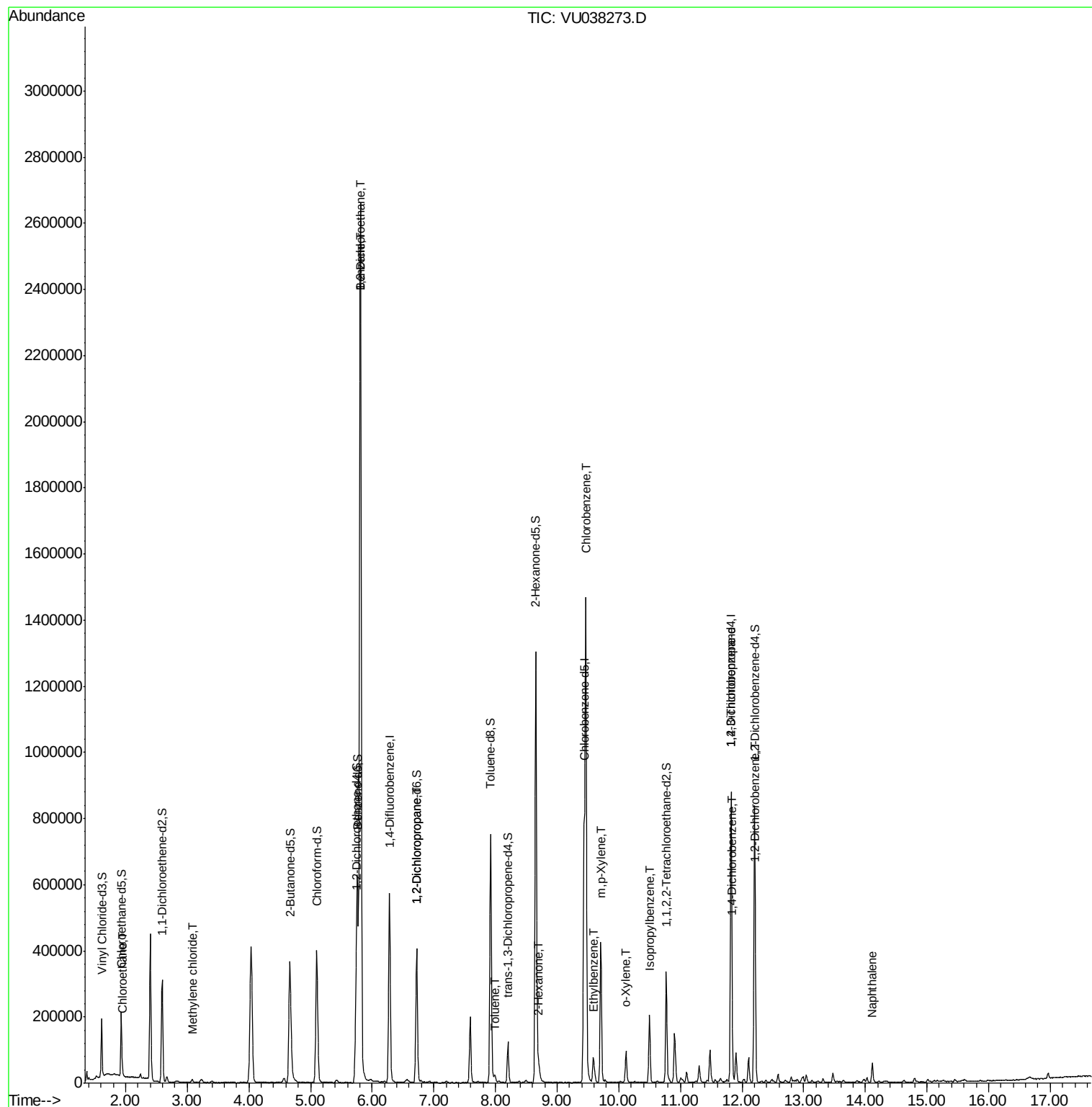
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

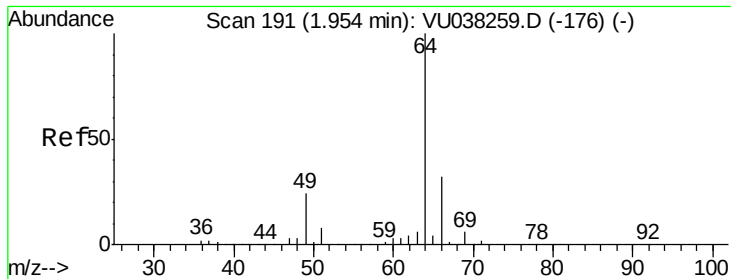
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU052120\
Data File : VU038273.D
Acq On : 21 May 2020 18:58
Operator : JC/MD
Sample : L2724-11DL 40X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: May 22 01:06:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 22 01:03:14 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.327 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU038273.D

Acq: 21 May 2020 18:58

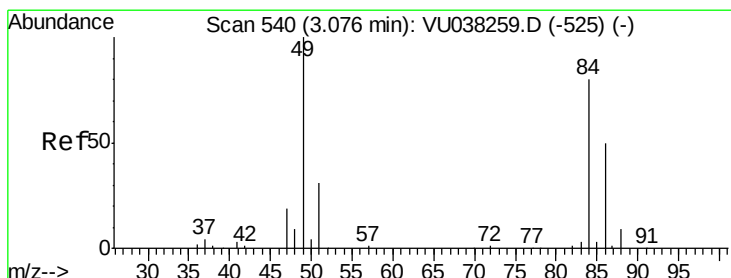
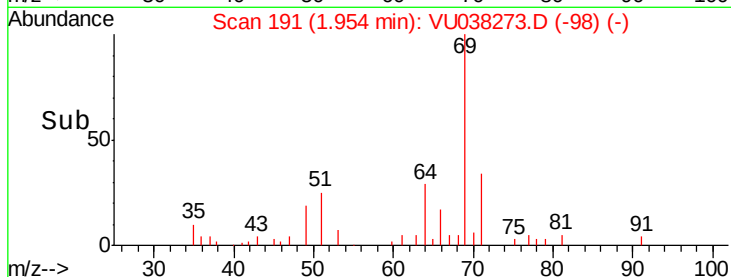
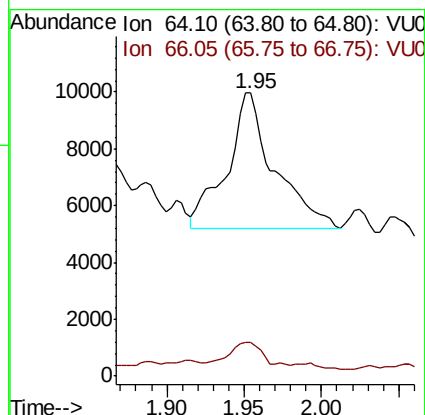
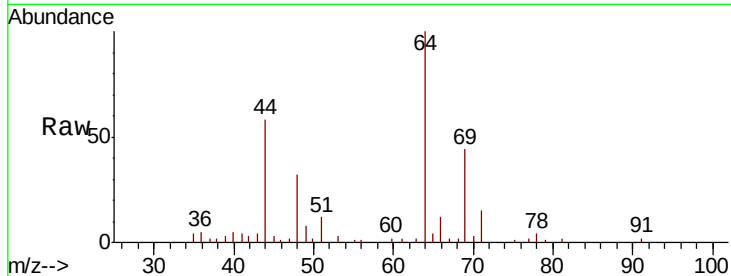
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 10217

Ion Ratio Lower Upper

64 100

66 11.9 21.8 40.4#



#16

Methylene chloride

Concen: 0.122 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU038273.D

Acq: 21 May 2020 18:58

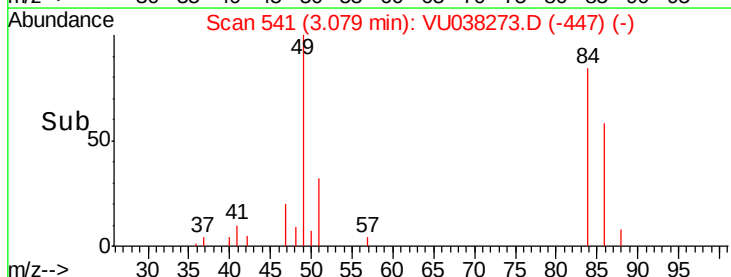
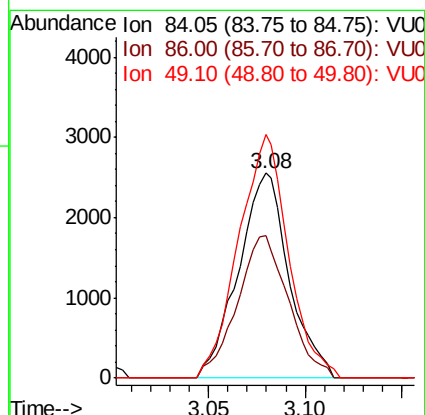
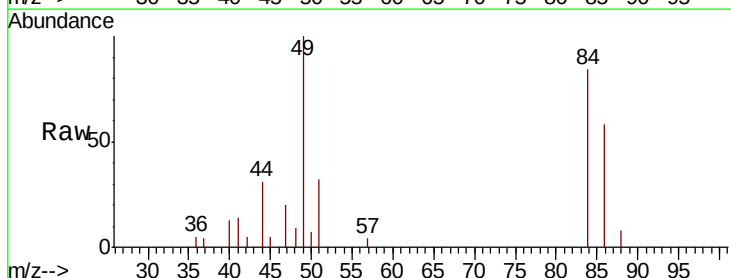
Tgt Ion: 84 Resp: 4647

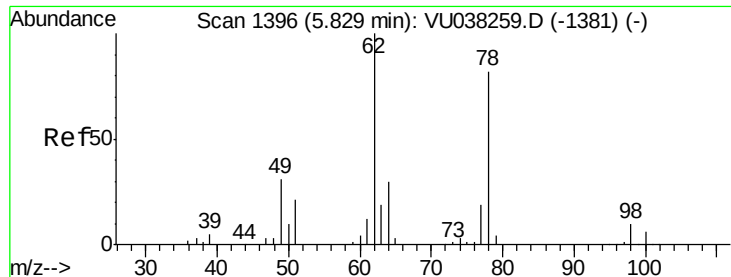
Ion Ratio Lower Upper

84 100

86 69.3 44.9 83.3

49 118.8 92.0 170.9

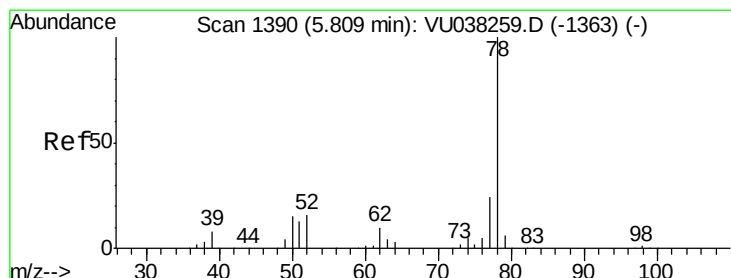
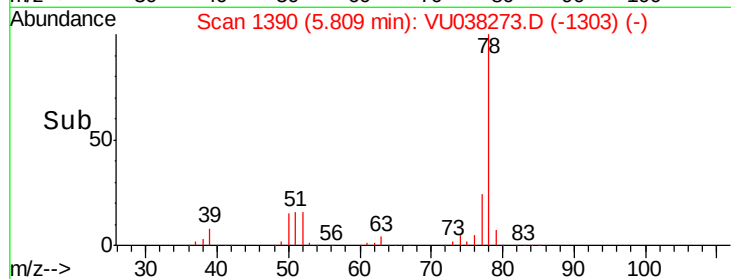
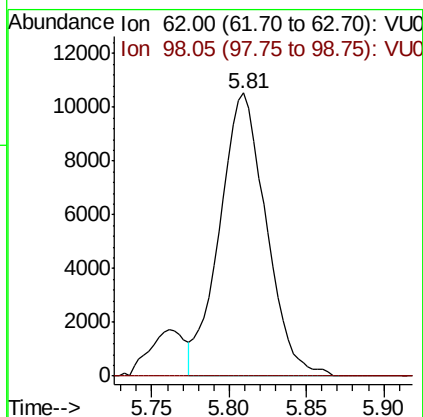
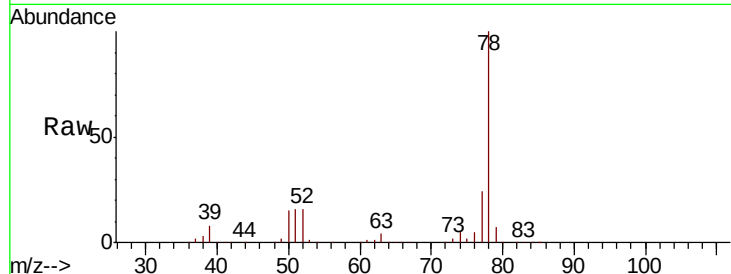




#27
 1,2-Dichloroethane
 Concen: 0.480 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VU038273.D
 Acq: 21 May 2020 18:58

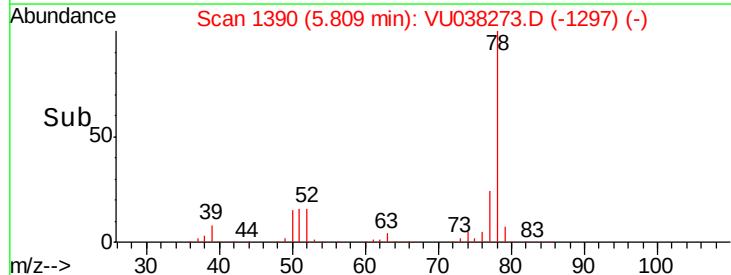
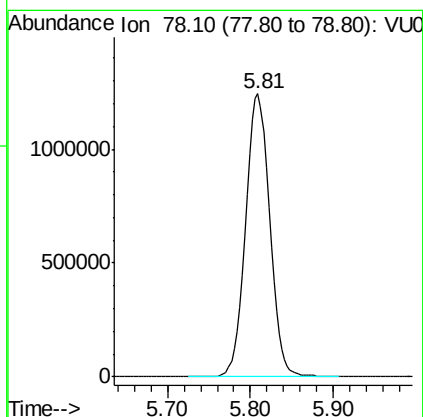
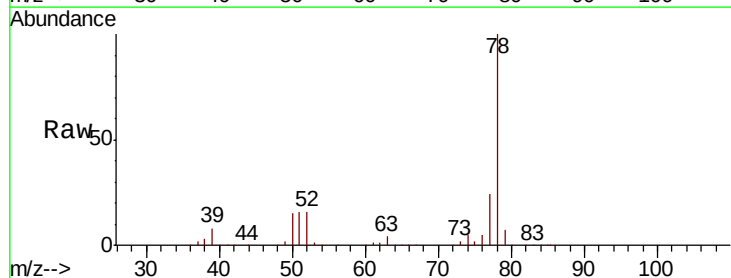
Instrument :
 MSVOA_U
 ClientSampled :

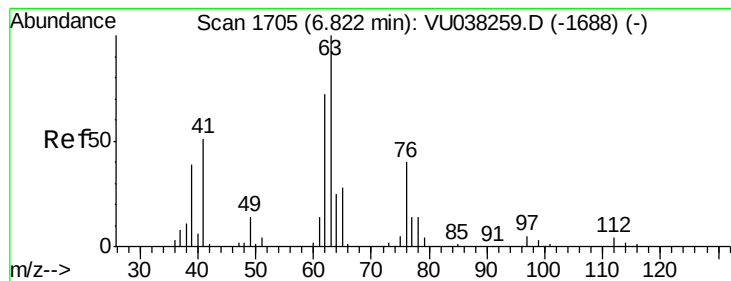
Tot Ion: 62 Resp: 21970
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.8 11.8#



#33
 Benzene
 Concen: 17.491 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VU038273.D
 Acq: 21 May 2020 18:58

Tgt Ion: 78 Resp: 2516590





#37

1,2-Dichloropropane

Concen: 0.522 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU038273.D

Acq: 21 May 2020 18:58

Instrument :

MSVOA_U

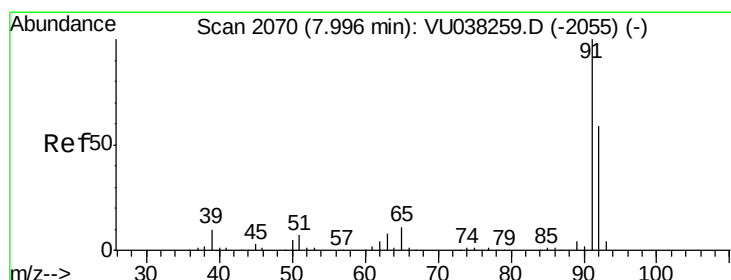
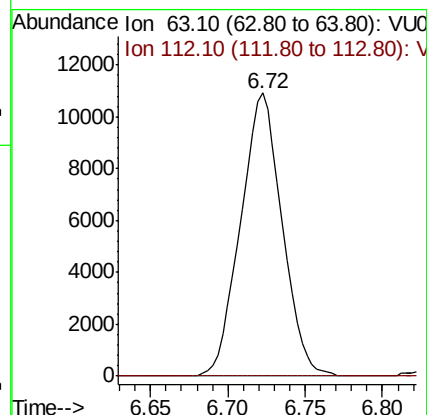
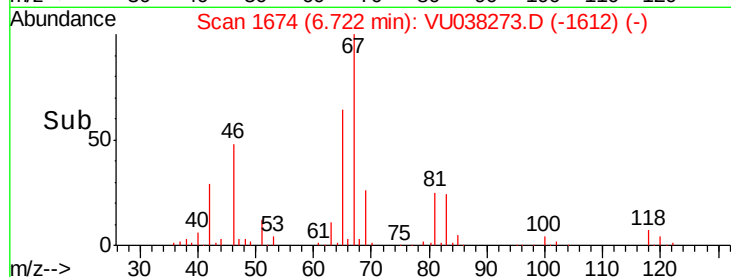
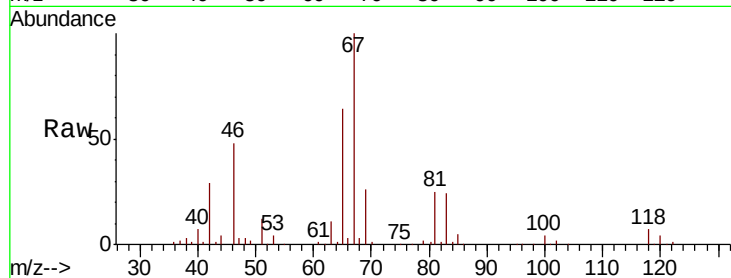
ClientSampleId :

Tot Ion: 63 Resp: 20402

Ion Ratio Lower Upper

63 100

112 0.3 3.1 4.7#



#42

Toluene

Concen: 0.081 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038273.D

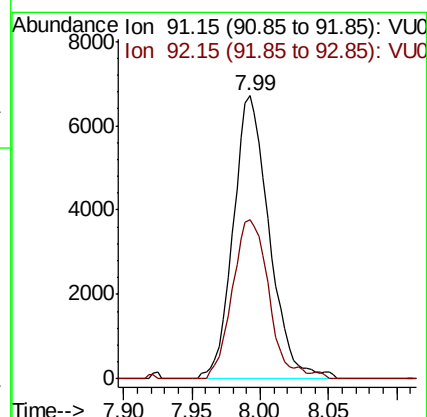
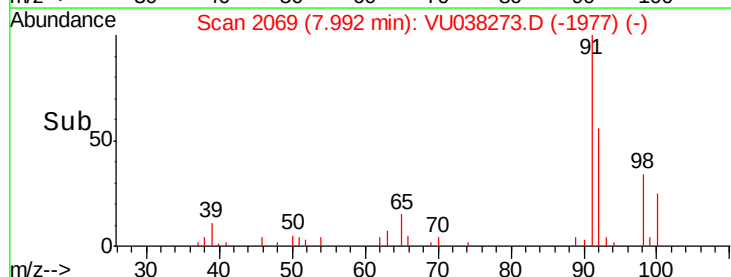
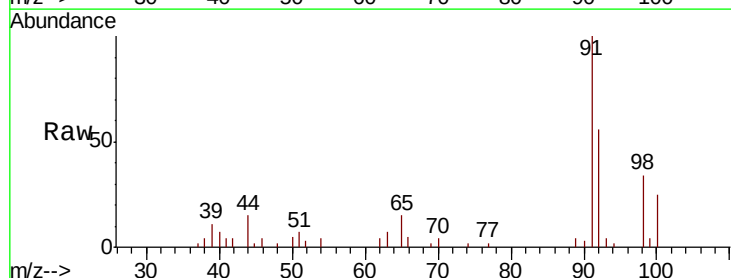
Acq: 21 May 2020 18:58

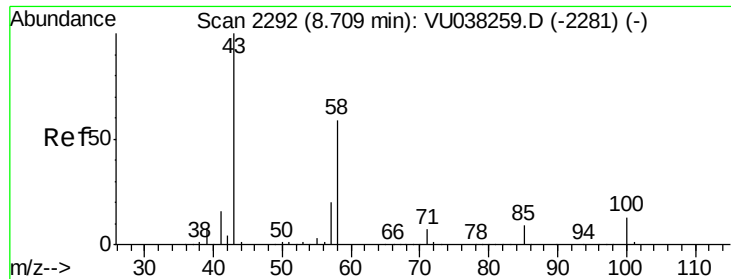
Tgt Ion: 91 Resp: 12308

Ion Ratio Lower Upper

91 100

92 56.5 40.9 75.9

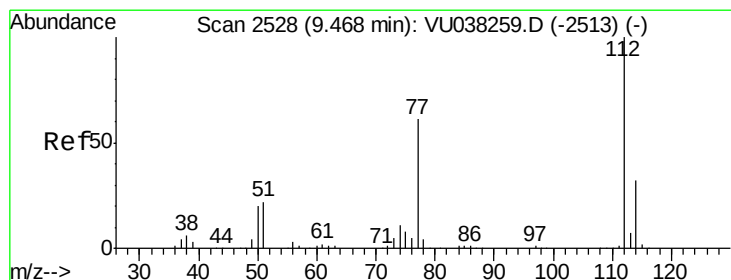
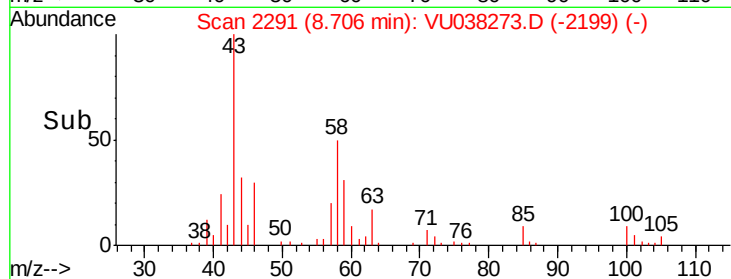
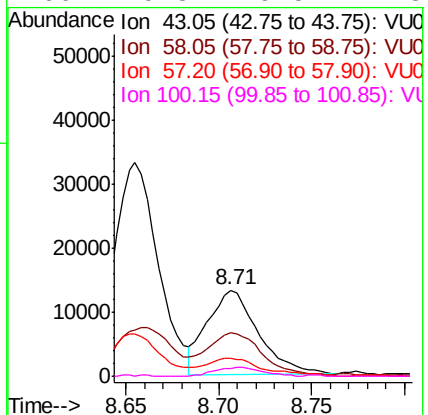
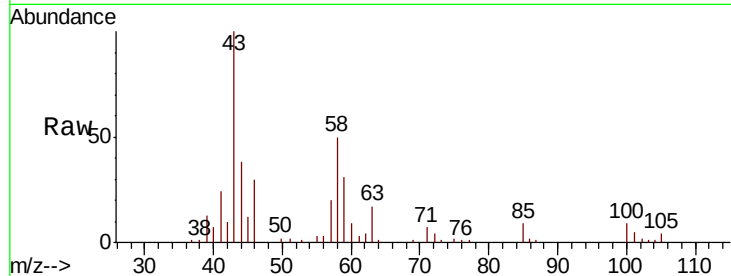




#48
2-Hexanone
Concen: 1.271 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038273.D
Acq: 21 May 2020 18:58

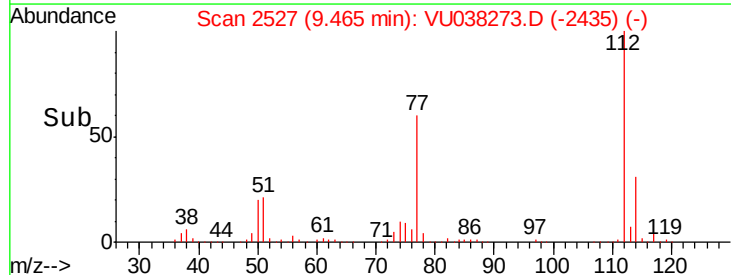
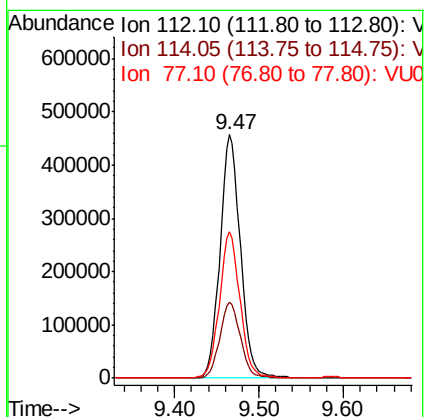
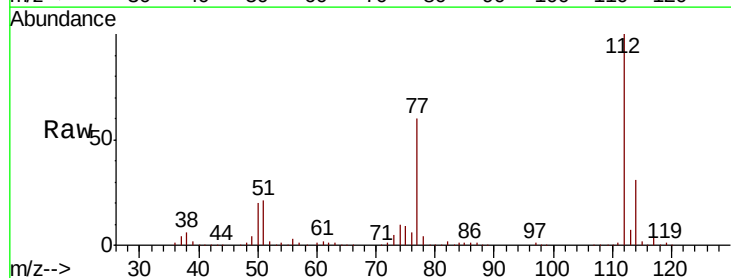
Instrument :
MSVOA_U
ClientSampled :

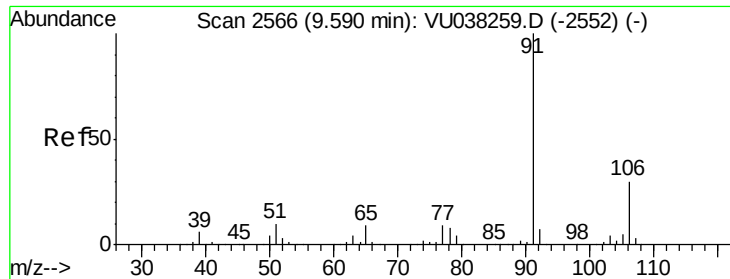
Tot Ion: 43 Resp: 25207
Ion Ratio Lower Upper
43 100
58 55.8 45.2 67.8
57 24.8 15.5 23.3#
100 9.8 9.5 14.3



#51
Chlorobenzene
Concen: 8.137 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038273.D
Acq: 21 May 2020 18:58

Tgt Ion: 112 Resp: 766993
Ion Ratio Lower Upper
112 100
114 31.3 22.5 41.7
77 60.3 49.9 74.9





#52

Ethylbenzene

Concen: 0.313 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038273.D

Acq: 21 May 2020 18:58

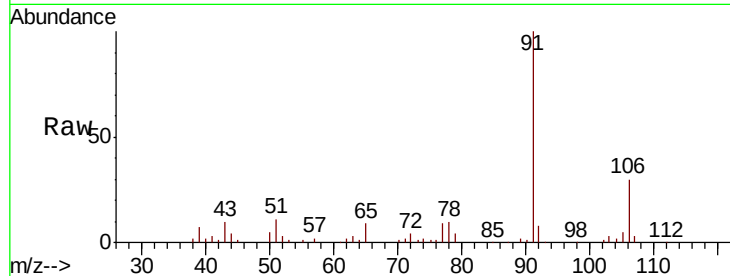
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 51522

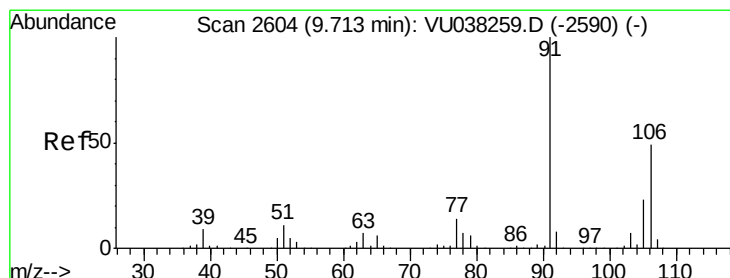
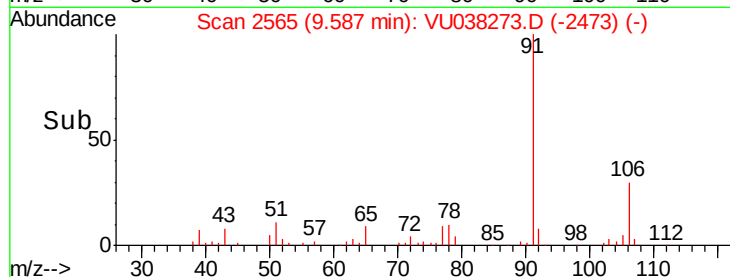
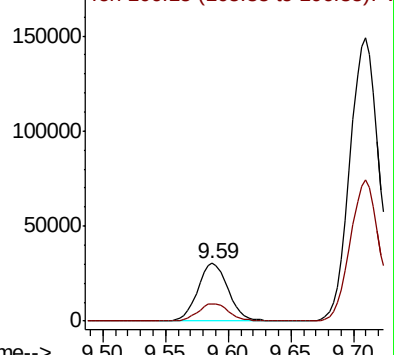
Ion Ratio Lower Upper

91 100

106 30.3 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038273.D (-2552) (-)



#53

m,p-Xylene

Concen: 1.957 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038273.D

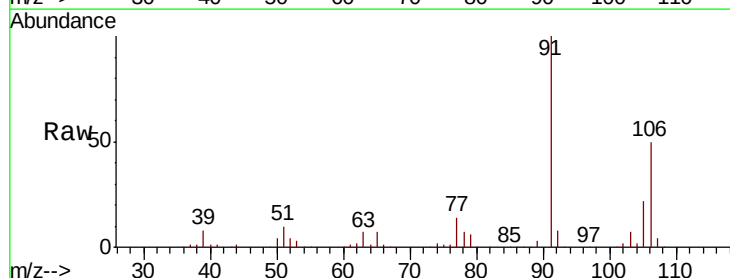
Acq: 21 May 2020 18:58

Tgt Ion: 106 Resp: 123484

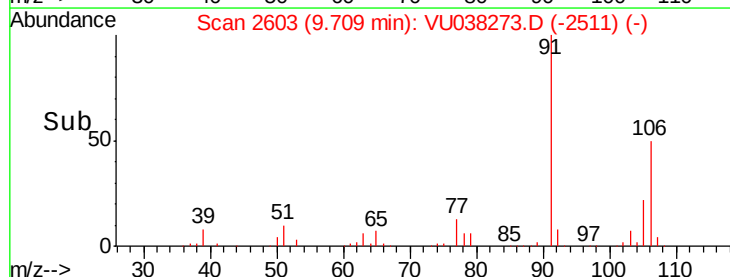
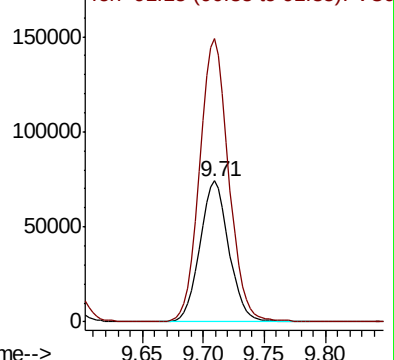
Ion Ratio Lower Upper

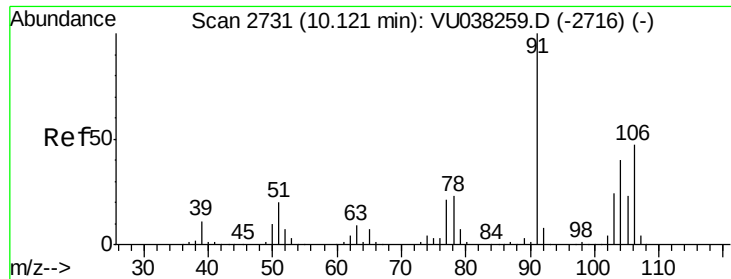
106 100

91 200.8 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038273.D (-2590) (-)





#54

o-Xylene

Concen: 0.360 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU038273.D

Acq: 21 May 2020 18:58

Instrument :

MSVOA_U

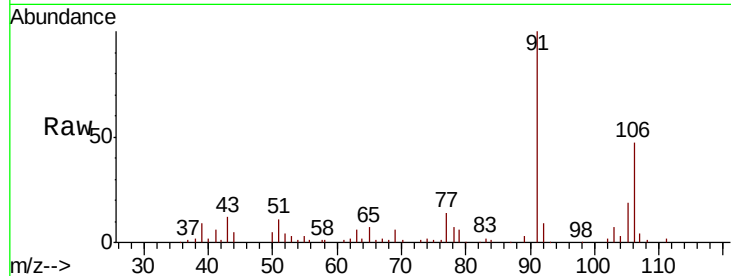
ClientSampleId :

Tot Ion:106 Resp: 21952

Ion Ratio Lower Upper

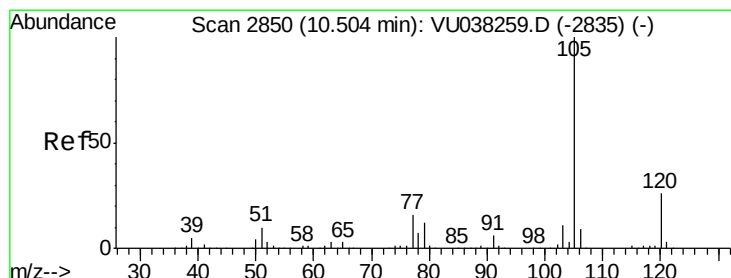
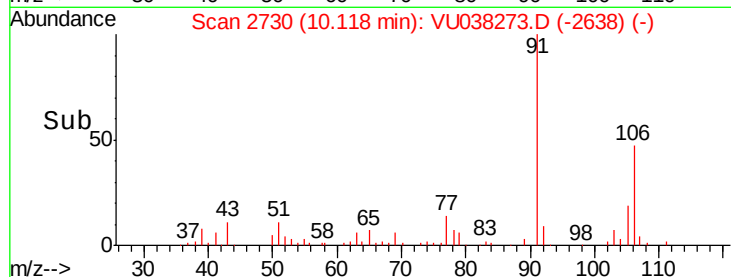
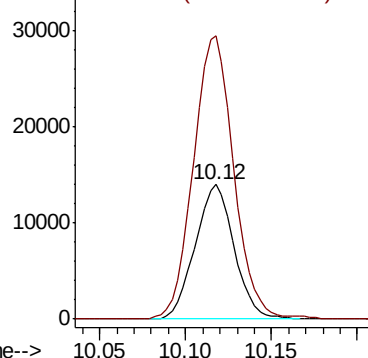
106 100

91 210.7 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#56

Isopropylbenzene

Concen: 0.863 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038273.D

Acq: 21 May 2020 18:58

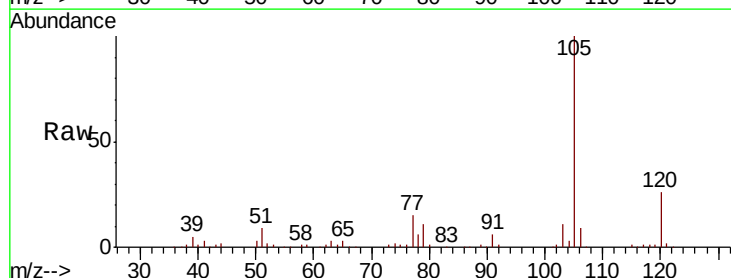
Tgt Ion:105 Resp: 135232

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

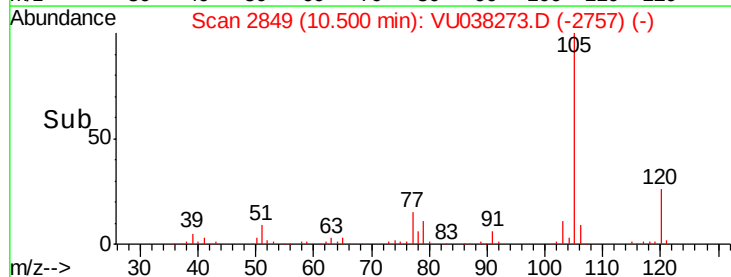
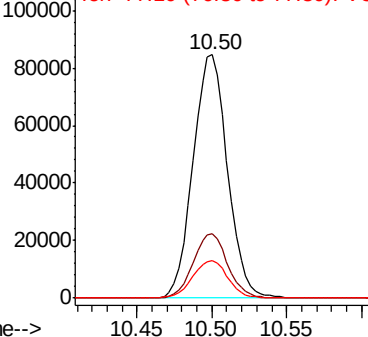
77 15.9 13.0 19.4

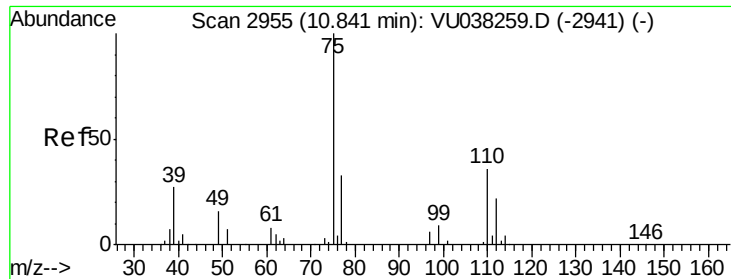


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0





#59

1,2,3-Trichloropropane

Concen: 1.282 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038273.D

Acq: 21 May 2020 18:58

Instrument :

MSVOA_U

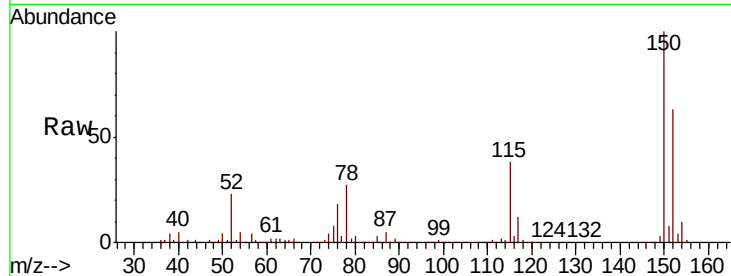
ClientSampleId :

Tot Ion: 75 Resp: 33616

Ion Ratio Lower Upper

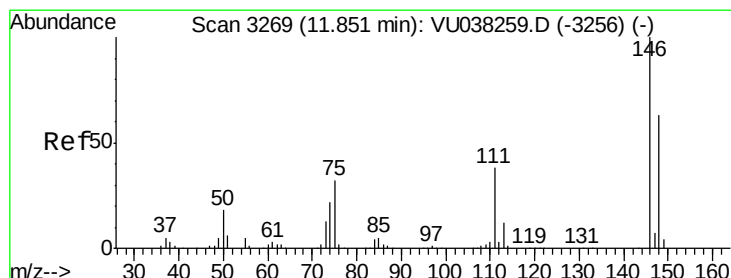
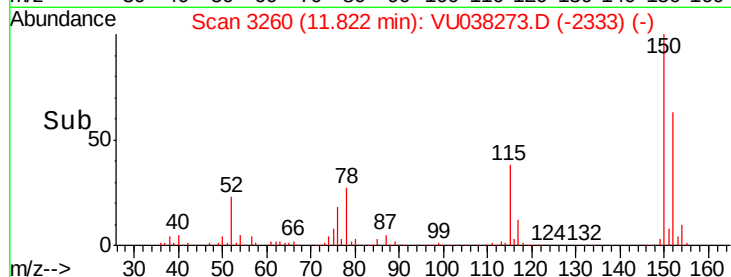
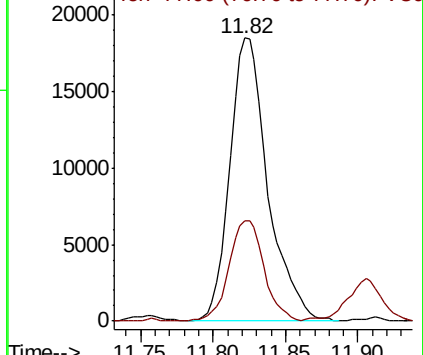
75 100

77 0.0 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#63

1,4-Dichlorobenzene

Concen: 0.194 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038273.D

Acq: 21 May 2020 18:58

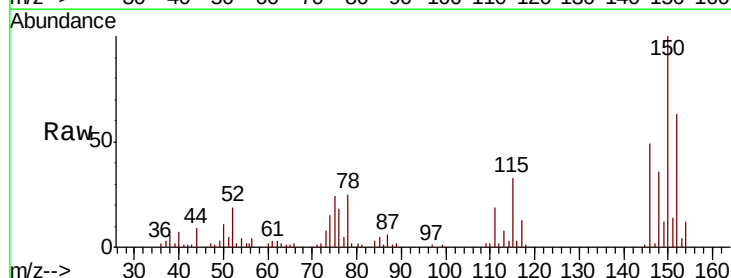
Tgt Ion: 146 Resp: 14166

Ion Ratio Lower Upper

146 100

111 39.1 27.2 50.6

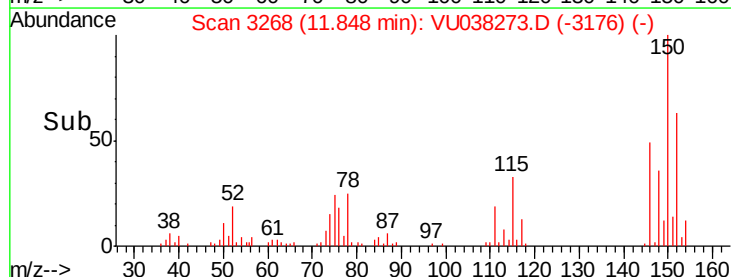
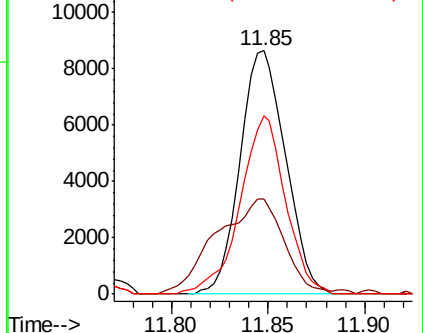
148 73.4 43.8 81.3

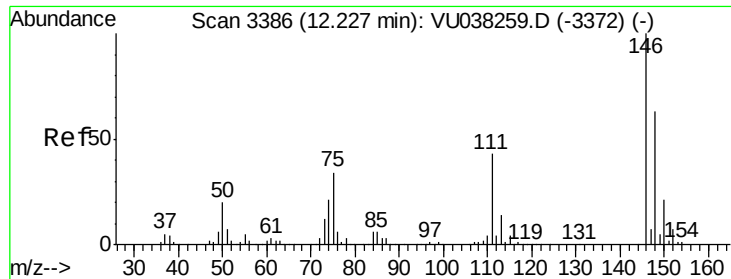


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.145 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038273.D

Acq: 21 May 2020 18:58

Instrument :

MSVOA_U

ClientSampled :

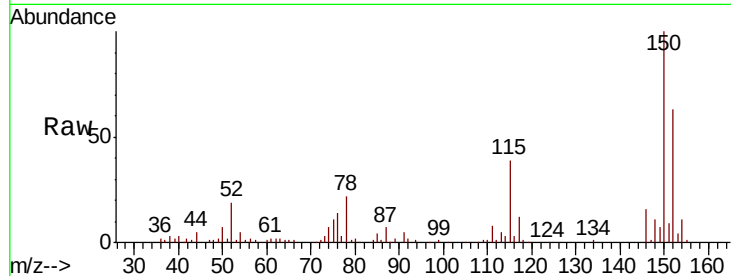
Tot Ion:146 Resp: 10056

Ion Ratio Lower Upper

146 100

111 48.8 35.3 52.9

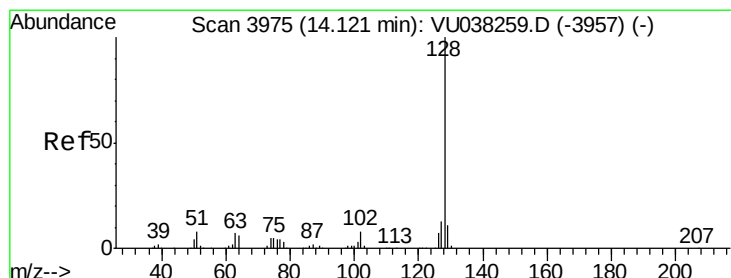
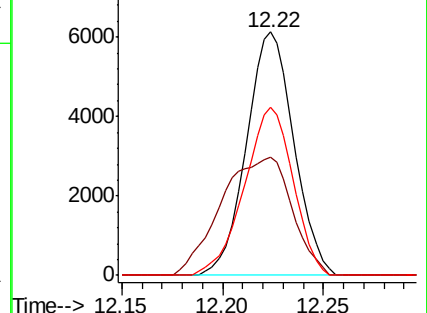
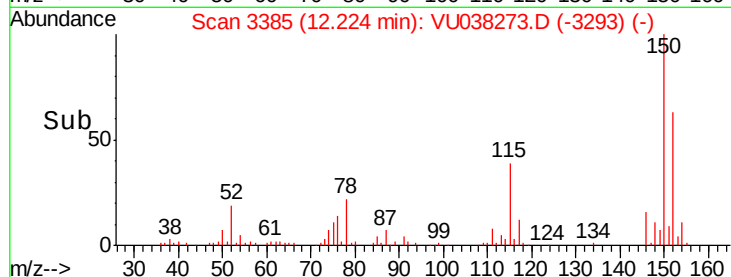
148 68.8 51.0 76.4



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: 0.463 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038273.D

Acq: 21 May 2020 18:58

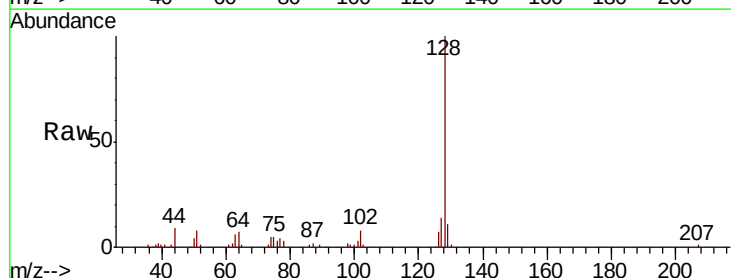
Tgt Ion:128 Resp: 46156

Ion Ratio Lower Upper

128 100

129 11.8 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

