

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053020\
 Data File : VU038394.D
 Acq On : 29 May 2020 22:20
 Operator : JC/MD
 Sample : L2766-13DL 100X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 30 00:06:57 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	300418	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	294780	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	145551	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	92388	3.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.20%
7) Chloroethane-d5	1.93	69	87038	3.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.20%
11) 1,1-Dichloroethene-d2	2.59	63	144934	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	4.67	46	349394	51.53	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.06%
24) Chloroform-d	5.10	84	202809	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.74	65	117624	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.76	84	416099	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.72	67	131155	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.92	98	359756	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	8.20	79	50246	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.65	63	278968	51.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.46%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	106696	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	146568	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	3.08	84	1907	0.078	ug/L	78
33) Benzene	5.81	78	315533	3.343	ug/L	100
35) Methylcyclohexane	6.72	83	30939	0.809	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	14150	0.552	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2952	0.080	ug/L #	48
42) Toluene	7.99	91	34470	0.346	ug/L	99
48) 2-Hexanone	8.71	43	14074	1.081	ug/L #	90
51) Chlorobenzene	9.46	112	62236	1.006	ug/L	96
52) Ethylbenzene	9.59	91	142394	1.319	ug/L	99
53) m,p-Xylene	9.71	106	169812	4.103	ug/L	100
54) o-Xylene	10.12	106	29444	0.736	ug/L	96
56) Isopropylbenzene	10.50	105	20573	0.200	ug/L	97
59) 1,2,3-Trichloropropane	11.83	75	20605	1.197	ug/L	94
63) 1,4-Dichlorobenzene	11.85	146	5227	0.109	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	11161	0.245	ug/L	97
69) Naphthalene	14.11	128	81440	1.241	ug/L	100

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

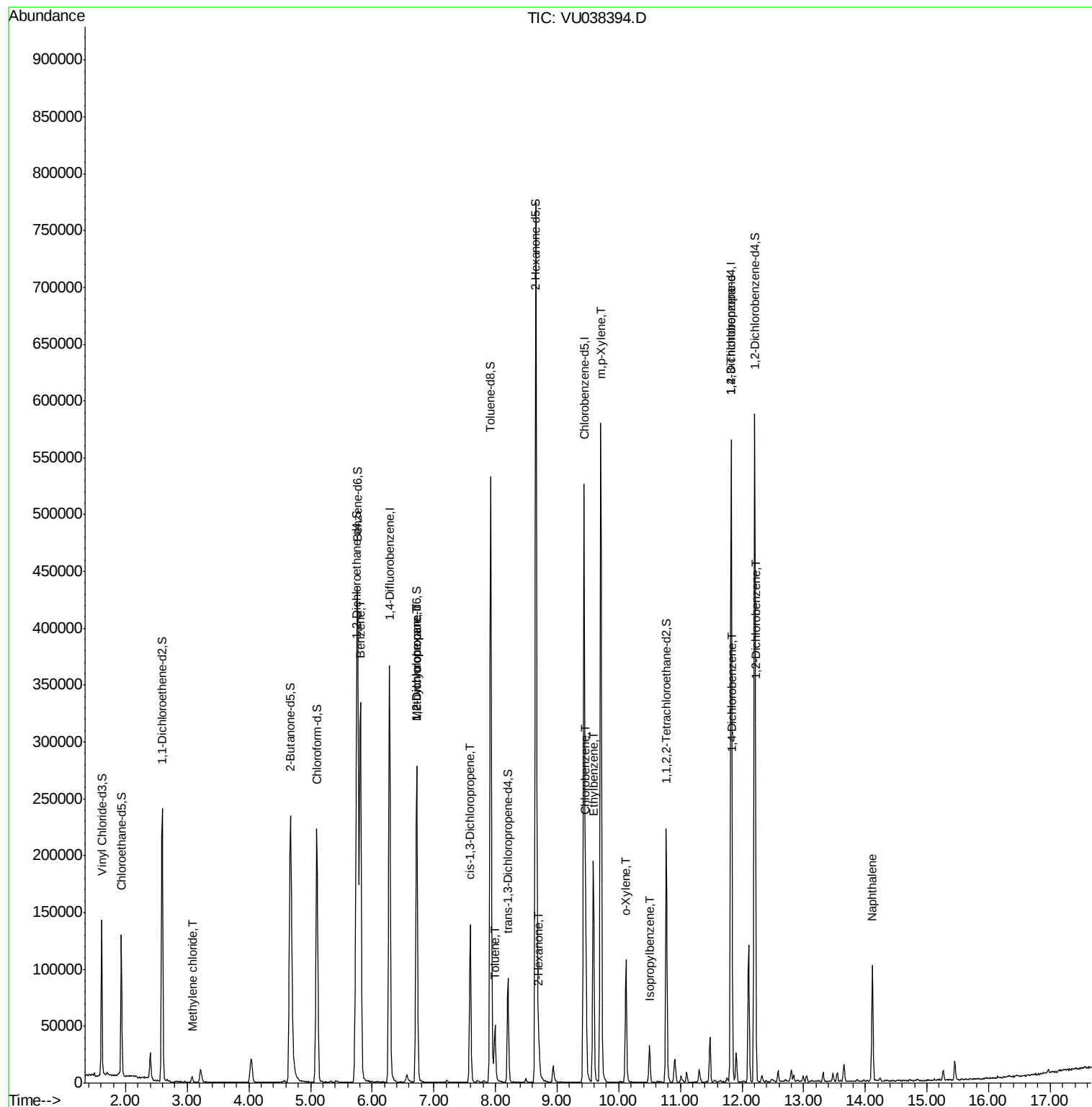
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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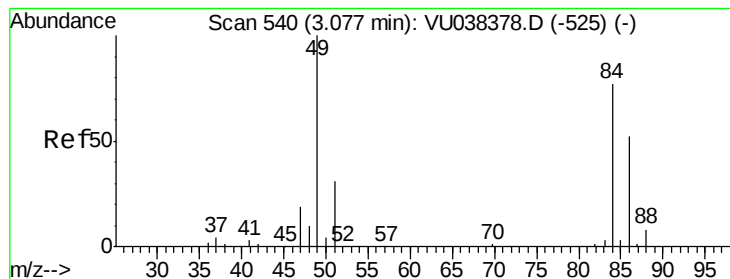
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#16

Methylene chloride

Concen: 0.078 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU038394.D

Acq: 29 May 2020 22:20

Instrument :

MSVOA_U

ClientSampled :

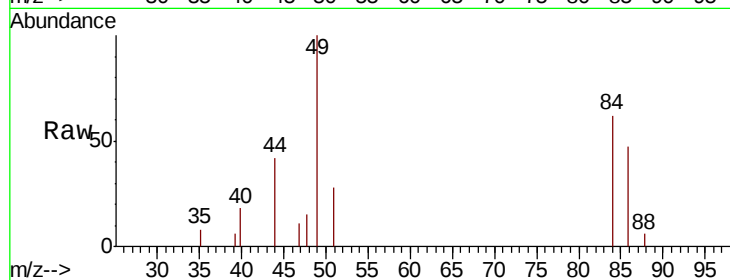
Tot Ion: 84 Resp: 1907

Ion Ratio Lower Upper

84 100

86 76.6 44.9 83.3

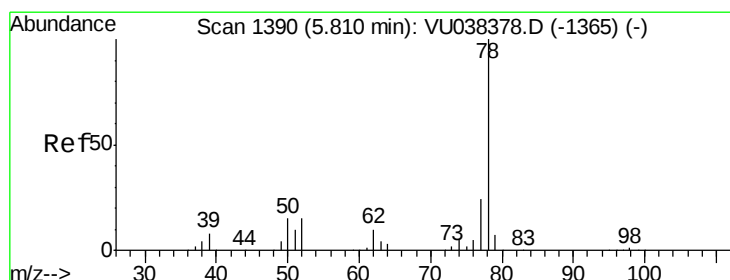
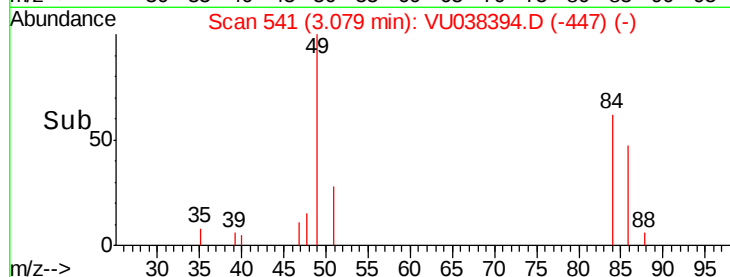
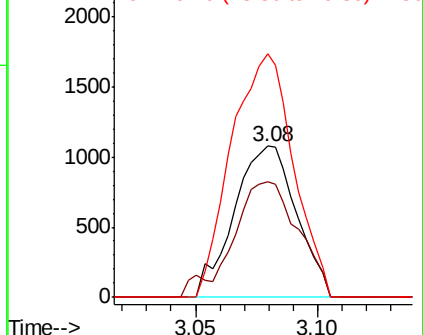
49 161.4 92.0 170.9



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



#33

Benzene

Concen: 3.343 ug/L

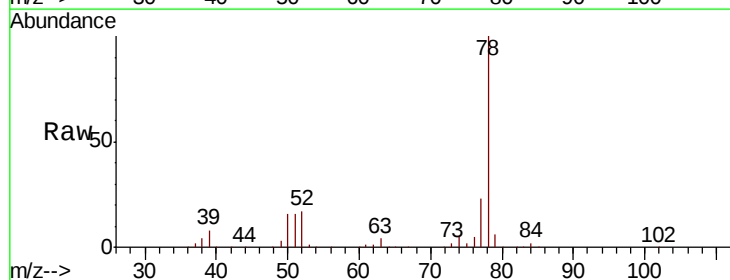
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

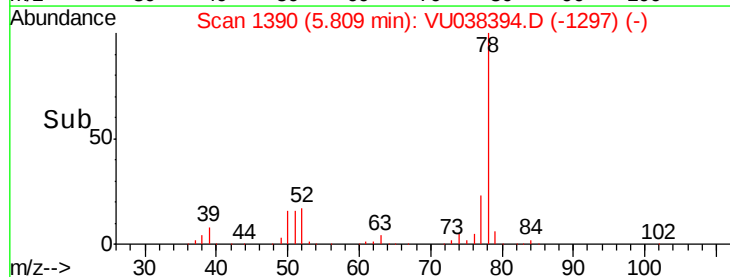
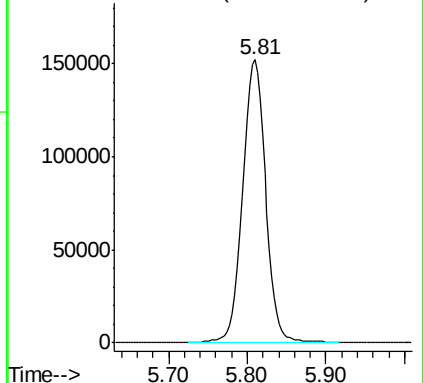
Lab File: VU038394.D

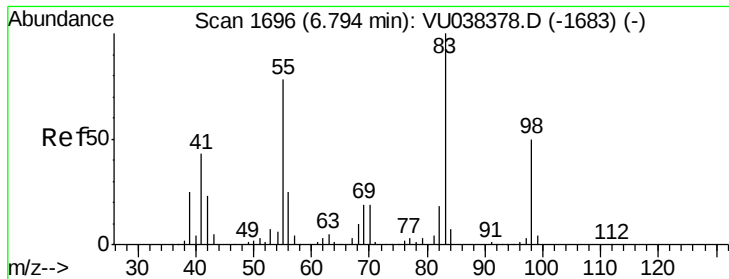
Acq: 29 May 2020 22:20

Tgt Ion: 78 Resp: 315533



Abundance Ion 78.10 (77.80 to 78.80): VU0





#35

Methylcyclohexane

Concen: 0.809 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU038394.D

Acq: 29 May 2020 22:20

Instrument :
MSVOA_U
ClientSampled :

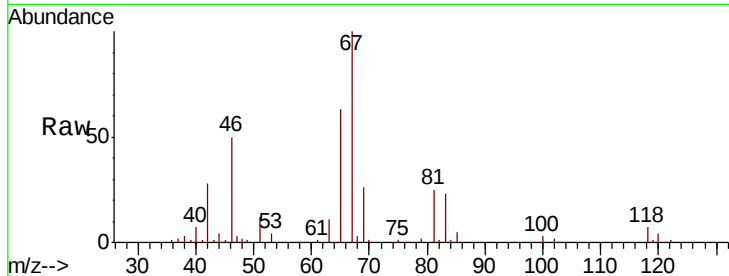
Tot Ion: 83 Resp: 30939

Ion Ratio Lower Upper

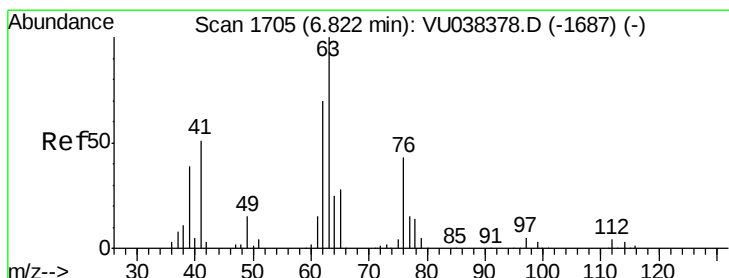
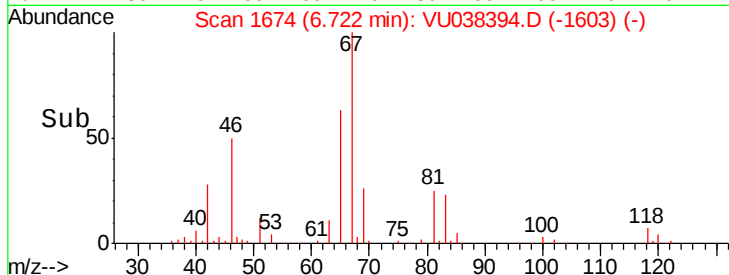
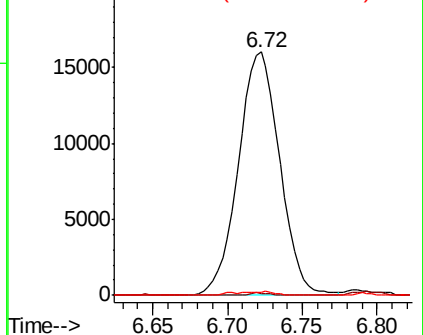
83 100

55 0.4 66.7 100.1#

98 1.5 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: 0.552 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU038394.D

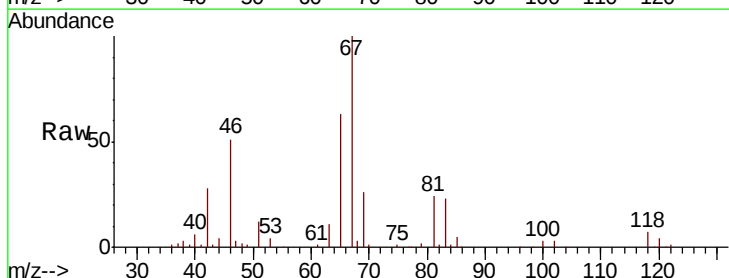
Acq: 29 May 2020 22:20

Tgt Ion: 63 Resp: 14150

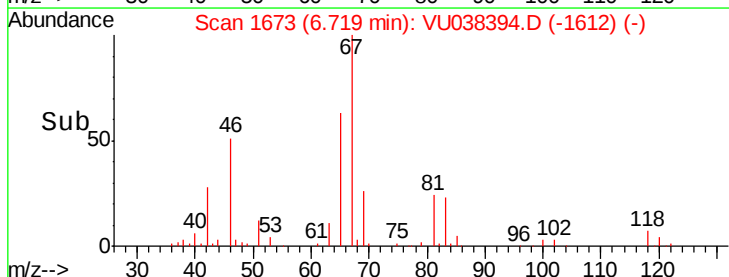
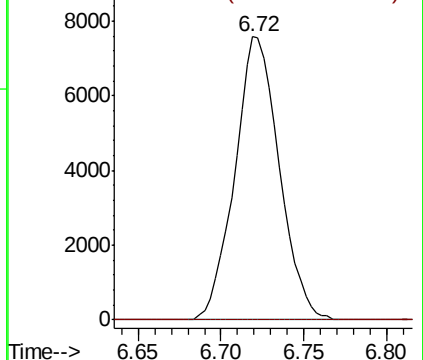
Ion Ratio Lower Upper

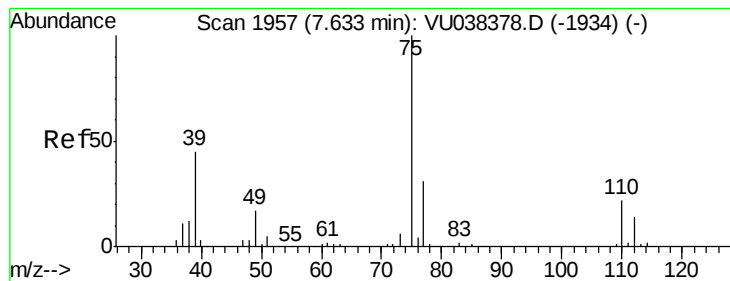
63 100

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



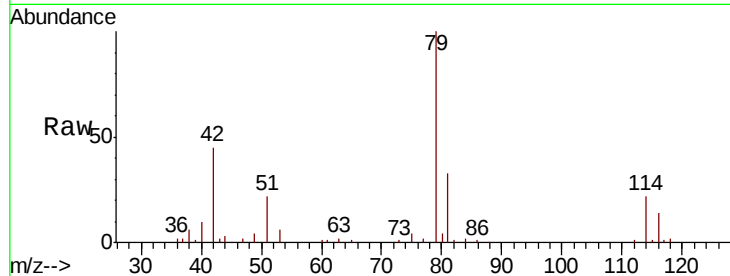


#39

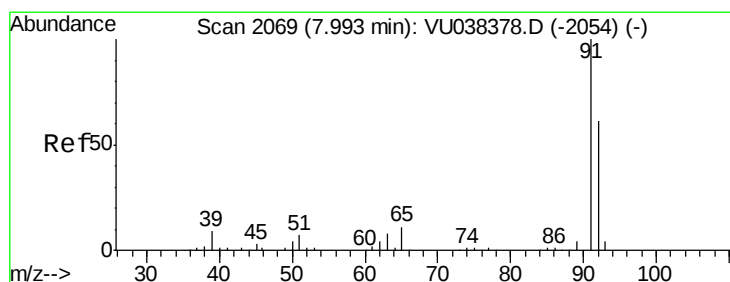
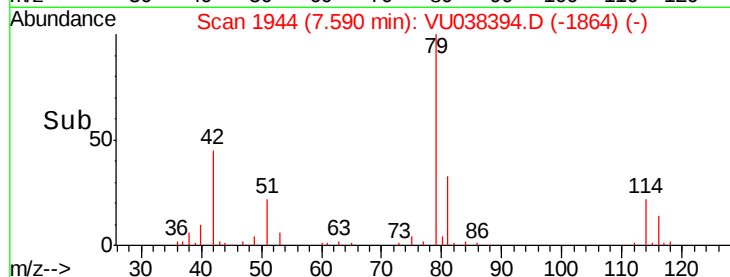
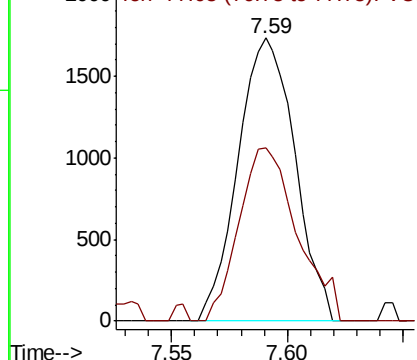
cis-1,3-Dichloropropene
 Concen: 0.080 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038394.D
 Acq: 29 May 2020 22:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 2952
 Ion Ratio Lower Upper
 75 100
 77 61.1 22.4 41.6#



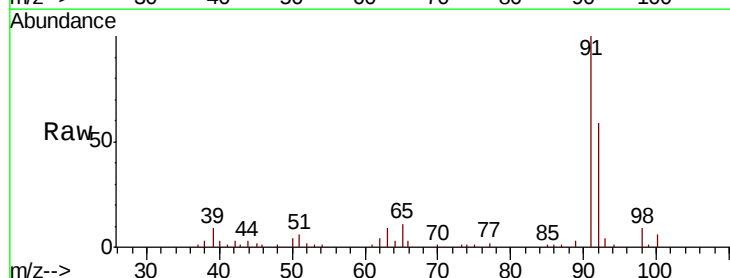
Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0



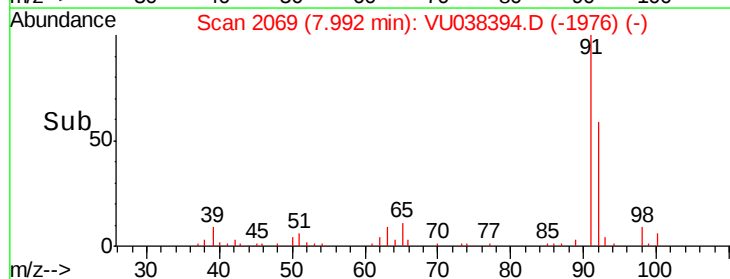
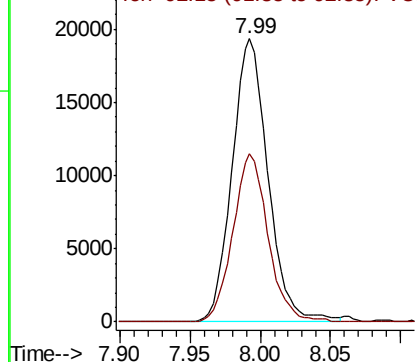
#42

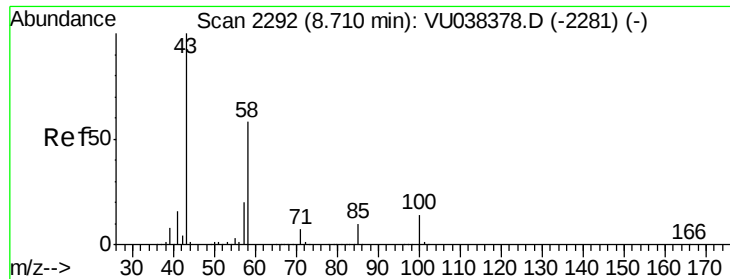
Toluene
 Concen: 0.346 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VU038394.D
 Acq: 29 May 2020 22:20

Tgt Ion: 91 Resp: 34470
 Ion Ratio Lower Upper
 91 100
 92 59.3 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 92.15 (91.85 to 92.85): VU0

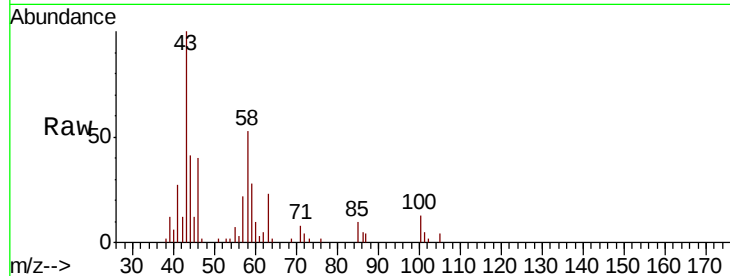




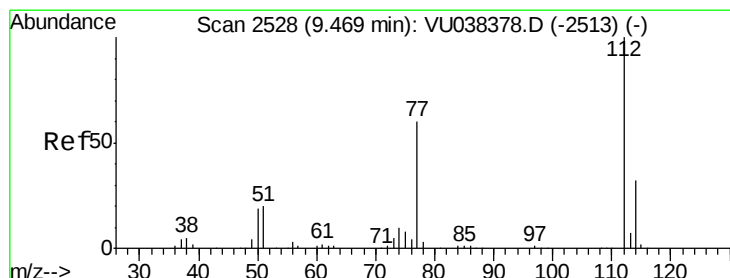
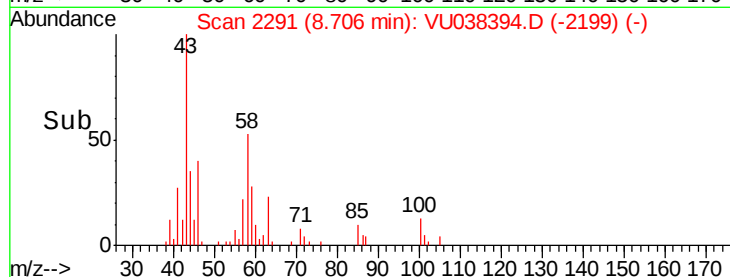
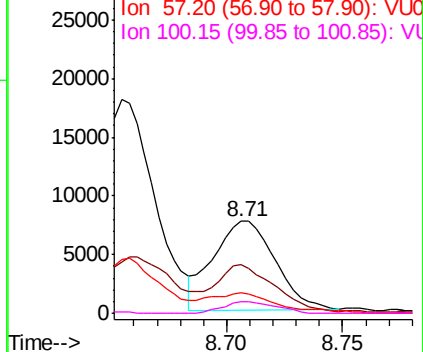
#48
2-Hexanone
Concen: 1.081 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038394.D
Acq: 29 May 2020 22:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 14074
Ion Ratio Lower Upper
43 100
58 49.7 45.2 67.8
57 26.5 15.5 23.3#
100 11.0 9.5 14.3

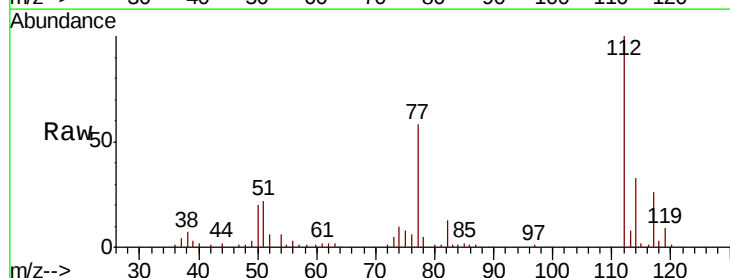


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

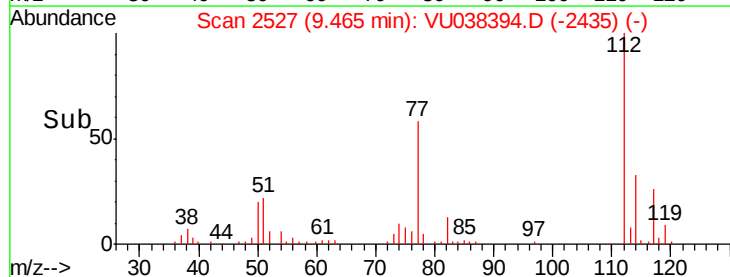
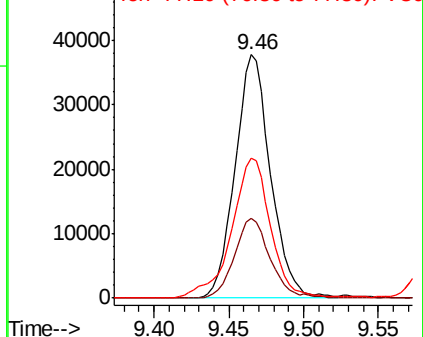


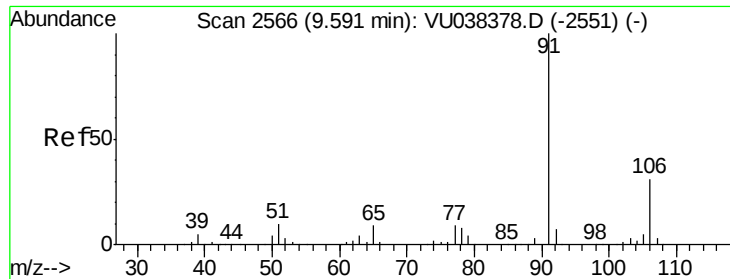
#51
Chlorobenzene
Concen: 1.006 ug/L
RT: 9.46 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038394.D
Acq: 29 May 2020 22:20

Tgt Ion: 112 Resp: 62236
Ion Ratio Lower Upper
112 100
114 32.6 22.5 41.7
77 57.7 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

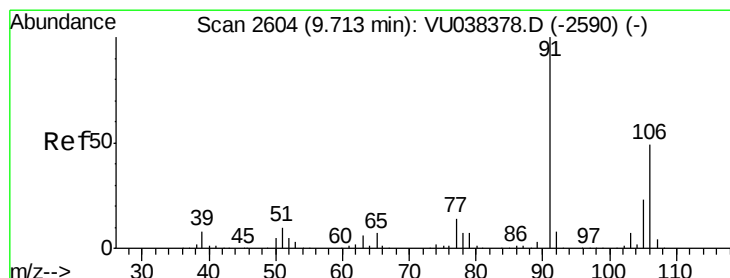
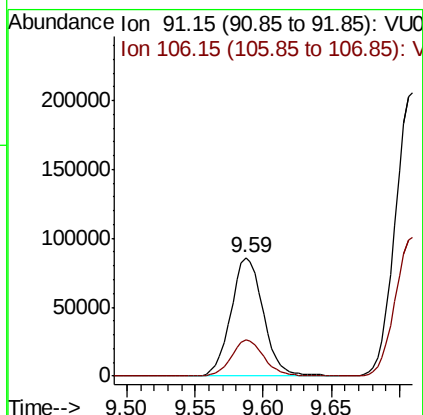
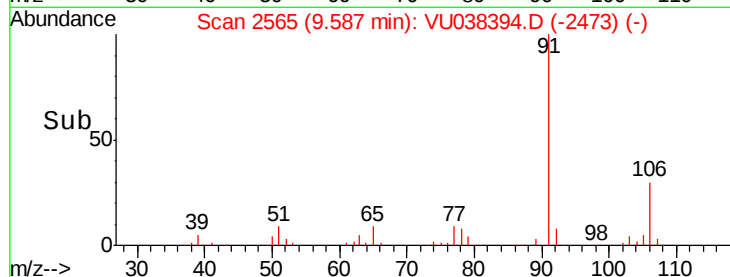
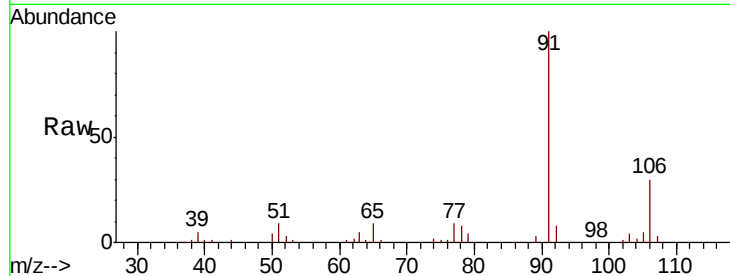




#52
Ethylbenzene
Concen: 1.319 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038394.D
Acq: 29 May 2020 22:20

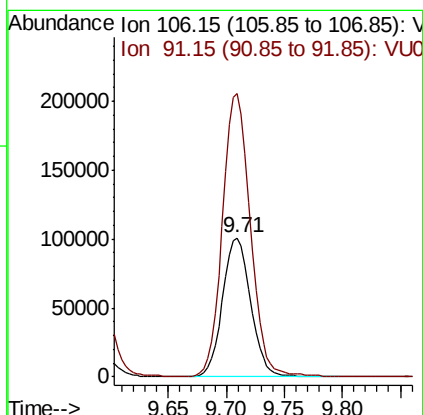
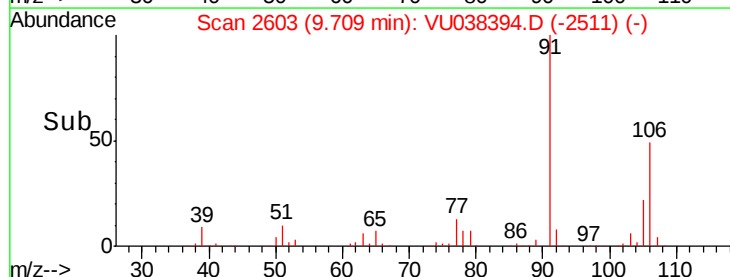
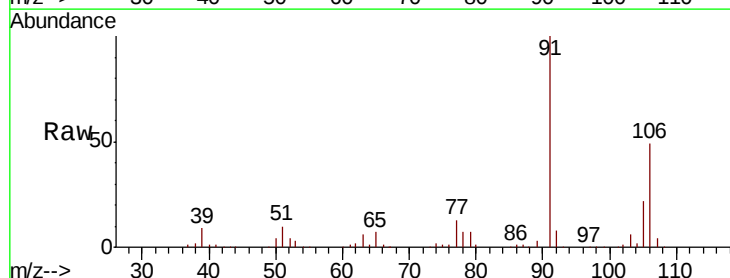
Instrument :
MSVOA_U
ClientSampled :

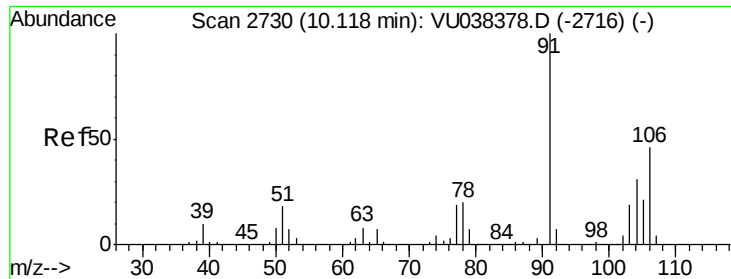
Tot Ion: 91 Resp: 142394
Ion Ratio Lower Upper
91 100
106 30.4 21.8 40.4



#53
m,p-Xylene
Concen: 4.103 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VU038394.D
Acq: 29 May 2020 22:20

Tgt Ion: 106 Resp: 169812
Ion Ratio Lower Upper
106 100
91 203.2 142.1 263.9

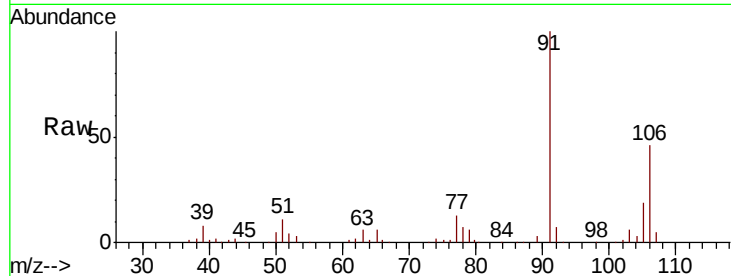




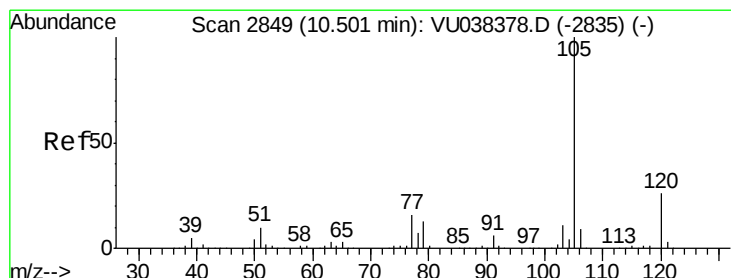
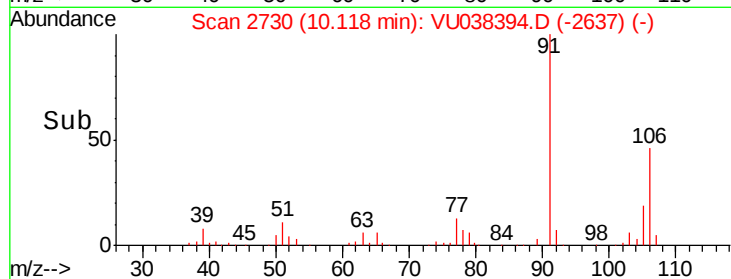
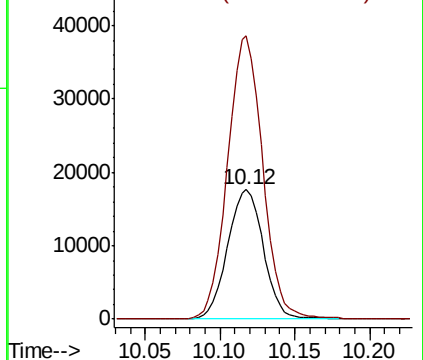
#54
o-Xylene
Concen: 0.736 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038394.D
Acq: 29 May 2020 22:20

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 29444
Ion Ratio Lower Upper
106 100
91 218.6 148.5 275.9

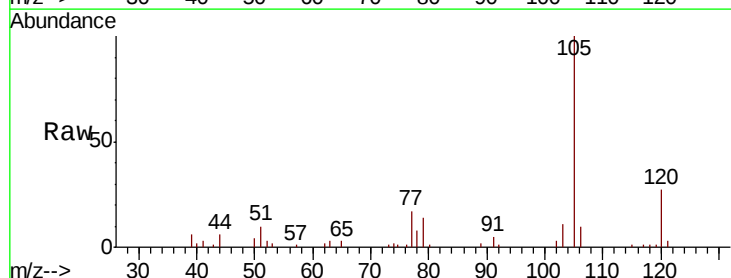


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

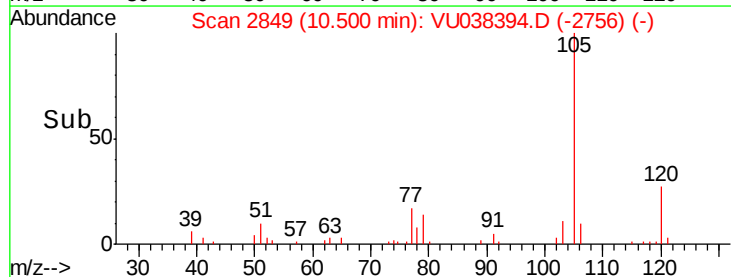
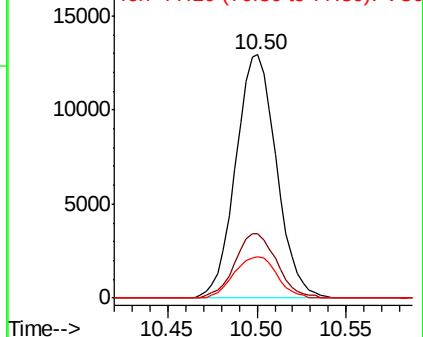


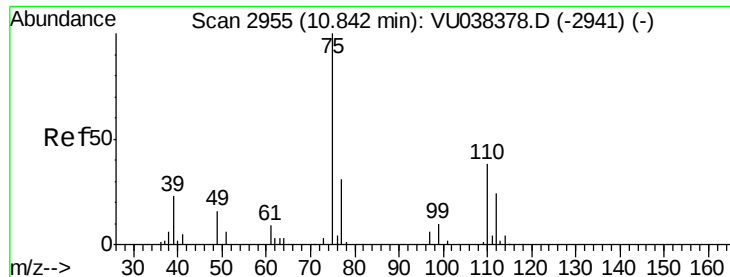
#56
Isopropylbenzene
Concen: 0.200 ug/L
RT: 10.50 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VU038394.D
Acq: 29 May 2020 22:20

Tgt Ion:105 Resp: 20573
Ion Ratio Lower Upper
105 100
120 27.3 21.0 31.6
77 17.7 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

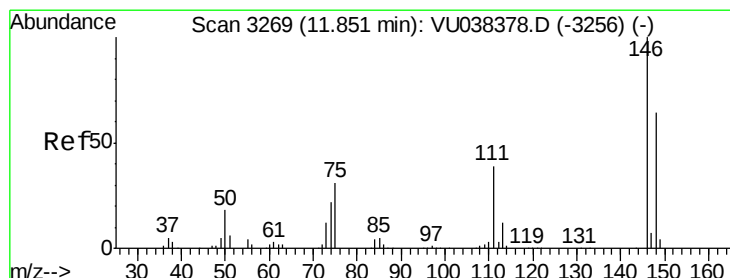
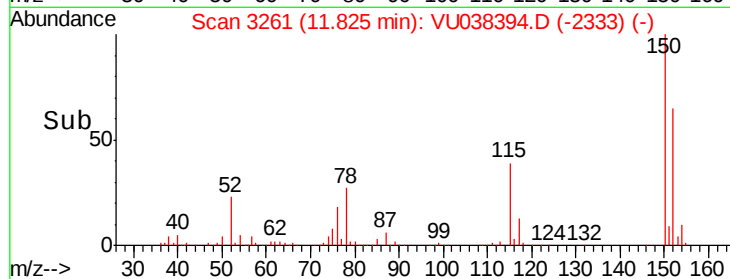
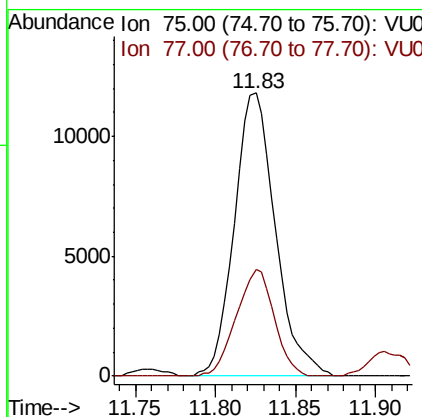
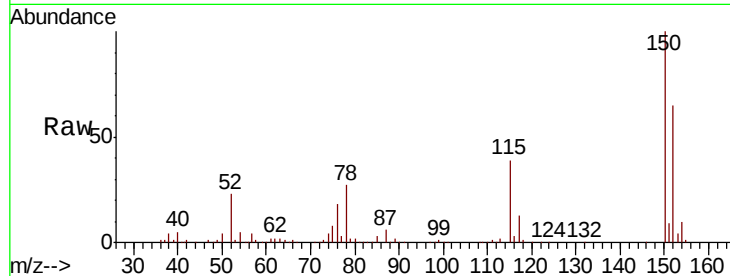




#59
 1,2,3-Trichloropropane
 Concen: 1.197 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.98 min
 Lab File: VU038394.D
 Acq: 29 May 2020 22:20

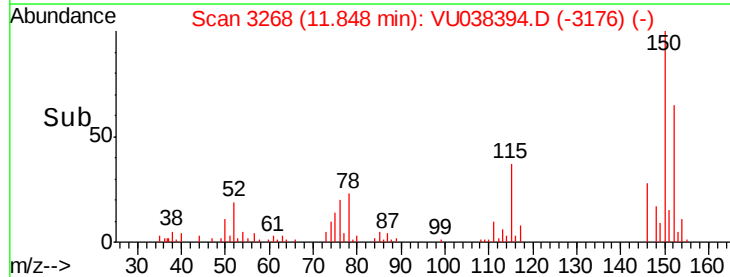
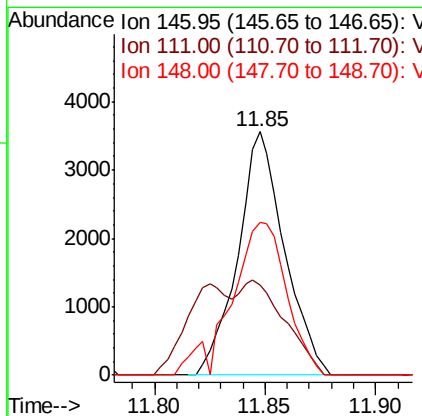
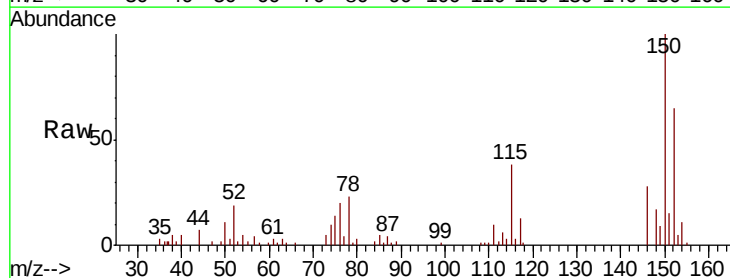
Instrument :
 MSVOA_U
 ClientSampled :

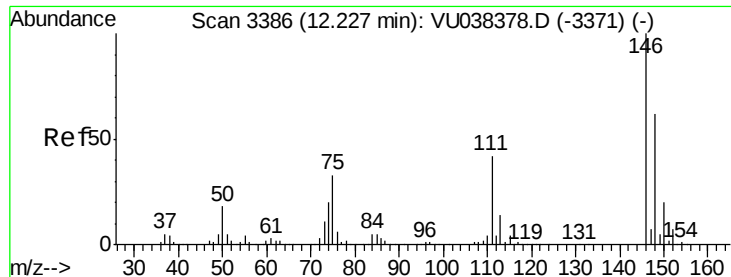
Tot Ion: 75 Resp: 20605
 Ion Ratio Lower Upper
 75 100
 77 34.8 25.4 38.0



#63
 1,4-Dichlorobenzene
 Concen: 0.109 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038394.D
 Acq: 29 May 2020 22:20

Tgt Ion: 146 Resp: 5227
 Ion Ratio Lower Upper
 146 100
 111 37.2 27.2 50.6
 148 62.6 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 0.245 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU038394.D

Acq: 29 May 2020 22:20

Instrument :

MSVOA_U

ClientSampleId :

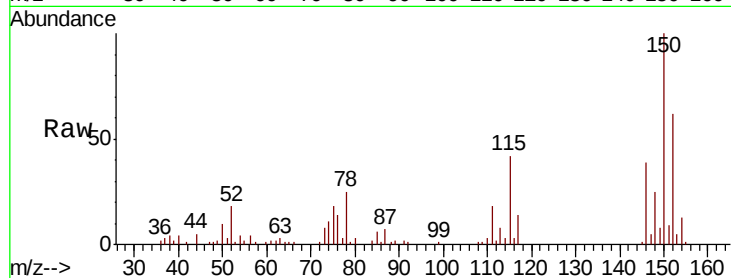
Tot Ion:146 Resp: 11161

Ion Ratio Lower Upper

146 100

111 46.7 35.3 52.9

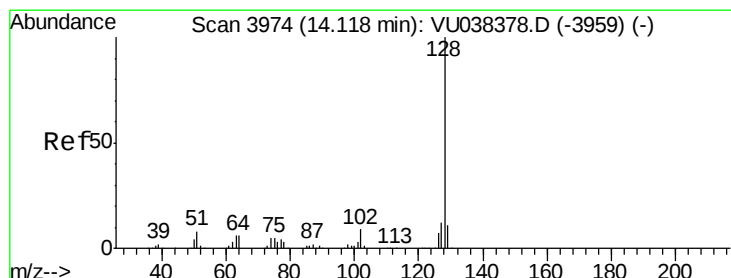
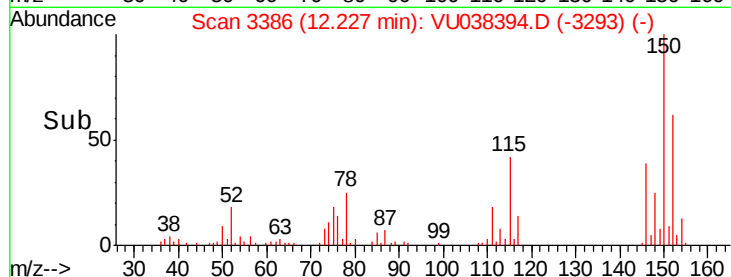
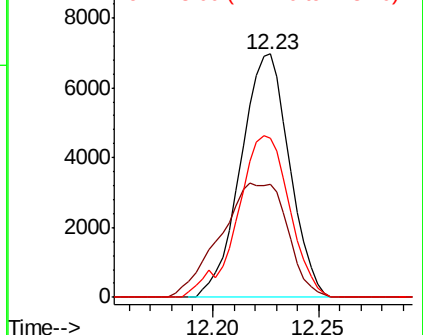
148 65.4 51.0 76.4



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: 1.241 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038394.D

Acq: 29 May 2020 22:20

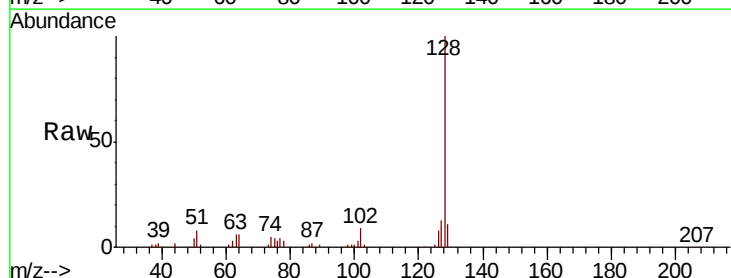
Tgt Ion:128 Resp: 81440

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

127 12.8 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

